PowerRep Co.,Ltd
LCD Owner's Manual

Please read this manual carefully before operating your set. Retain it for future reference.

See the label attached on the back cover and quote this information to your dealer when you require service.

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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

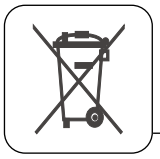
Never remove the back cover of the set as this can expose you to very high voltage and other hazards. If the set does not operate properly, unplug it and call your dealer.

Aerial

Connect the aerial cable to the socket marked ⊓75 Ω on the back cover. For the best reception an outdoor aerial should be used.

Location

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

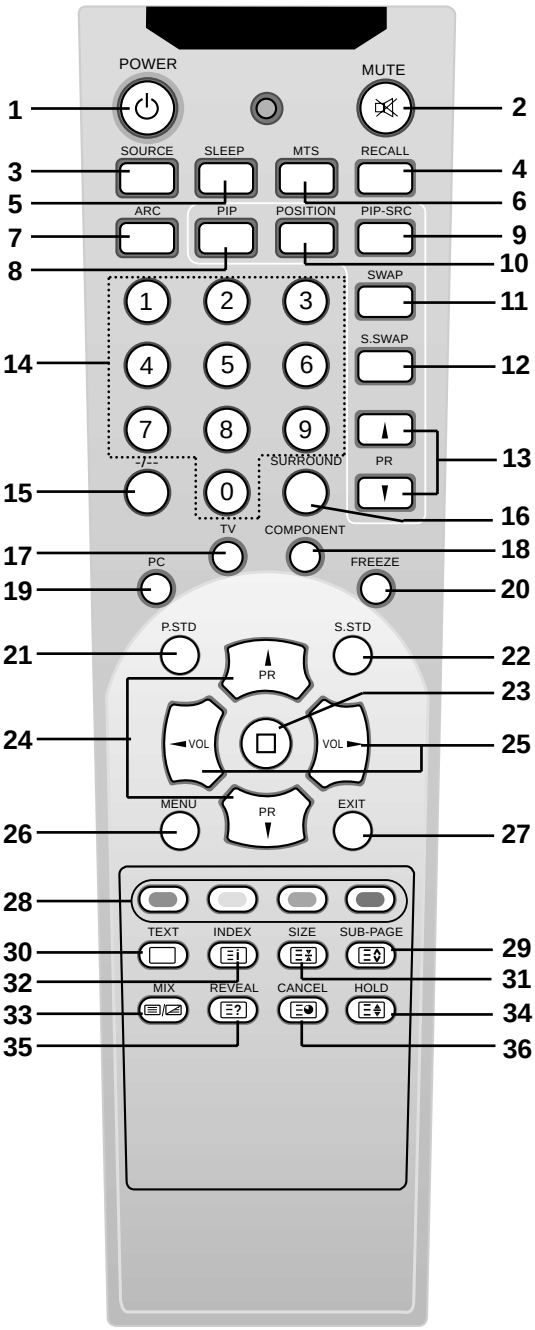


To preserve the Environment, do not rubbish.

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

Remote control handset



1. **POWER :** Press this button to turn the TV on or off.
2. **MUTE :** Press this button to mute the sound temporarily.
3. **SOURCE :** Press this button to view all available input sources (e.g. SCART, VIDEO, S-VIDEO, COMPONENT, RGB-PC, DVI and Aerial).
4. **RECALL :** Press this button to view the current channel as well as the audio/video settings.
5. **SLEEP** : Press this button to setup the Sleep timer to turn the TV off automatically when the set time has passed.
6. **MTS :** Press this button to set the TV audio to stereo or mono.
7. **ARC :** Press this button to select the screen aspect ratio (NORMAL/16:9/ZOOM1/ZOOM2).
8. **PIP :** Press this button to activate or cancel the PIP function or to adjust the sub size of the PIP screen.
9. **PIP-SRC** : Press this button to select the input source for the PIP screen.
10. **POSITION :** Press this button to select the position of the PIP screen.
11. **SWAP** : Press this button to interchange the main picture and the sub pictures of the PIP screen.
12. **S.SWAP** : Press this button to switch the audio input source between the main and the sub picture of the PIP screen.
13. **▲ ▼ PR** : Press this button to select a channel for the PIP screen.
14. **Numeric Buttons** : Use these buttons to directly select a channel.
15. **-/-- Button:** Press to directly move to a channel number saved in the channel list.
    -: channel 0~9
    --: channel 10~99
16. **SURROUND:** Press this button to select a surround mode.
17. **TV :** Press this button to select TV as the input source.
18. **COMPONENT :** Press this button to select DTV signals as an input source.

19. **PC :** Press this button to select a PC as the input source.

20. **FREEZE :** Press this button to freeze a moving picture on the screen.

21. **P.STD** : Press this button to set video settings (STANDARD/DYNAMIC/MOVIE/MILD/GAME/USER).

22. **S.STD** : Press this button to set audio settings (FLAT/MUSIC/MOVIE/SPEECH/USER).

23. **SELECT** : Press this button to select an OSD menu sub.

24. **▲ PR ▼** : Press this button to select a TV channel or a channel that provides Teletext service.
In addition, you can select a menu item or a configuration value using these buttons.

25. **◄ VOL ►** : Press these buttons to adjust the volume.
In addition, you can select a menu item or a configuration value using these buttons.

26. **MENU** : Press this button to view the OSD menu.

27. **EXIT** : Press this button to exit the current menu.

28. **Color Buttons** : Use these buttons to select a menu corresponding to the color.

29. **INDEX** : Press this button to view the Teletext index page.

30. **TEXT** : Press this button to activate or cancel the Teletext function.

31. **SIZE** : Press this button to adjust the Teletext screen size.

32. **INDEX** : Press this button to view the Teletext index page.

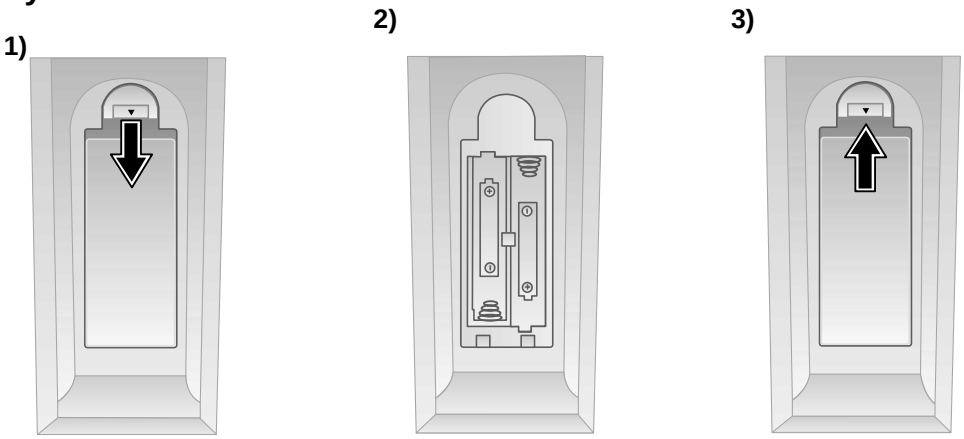
33. **MIX :** Press this button to view the TV program and the Teletext page at the same time.

34. **HOLD** : Press this button to pause the Teletext page.

35. **REVEAL :** Press this button to show the hidden text of the Teletext screen.

36. **CANCEL :** Press this button to cancel the Teletext related settings.

Battery installation



If the remote control malfunctions, replace the batteries referring to the following descriptions.

1. Remove the cover of the remote control.
2. Insert 2 batteries (AAA size), taking care to respect the polarities.
3. Close the cover.

Location and function of controls

- Shown is a simplified representation of the set.
- Here shown may be somewhat different from your set.
- This manual explains the features available on the LC-32IE11 series.

Front panel

1. **▲ / ▼ (Programme Up/Down)**
   selects a programme or a menu item.
   switches the set On from standby.

2. **◄ / ► (Volume Down/Up)**
   adjusts the volume.
   adjusts menu settings.

3. **MENU**
   selects a menu.

4. **INPUT SELECT**
   selects **TV**, **AV1**, **AV2**, **S-VIDEO**, **COMPONENT**, **PC-RGB**, **DVI** mode.

5. **POWER (⏻)**
   switches the set On from standby or On to standby.

6. **POWER/STANDBY INDICATOR (⏻)**
   illuminates red in standby mode.
   illuminates green when the set is switched On.

7. **REMOTE CONTROL SENSOR**

8. **OK**
   accepts your selection or displays the current mode.

Back panel

1. **DVI INPUT / RGB INPUT / AUDIO INPUT SOCKETS**
   Connect the set output socket of the PERSONAL COMPUTER to this socket.

2. **AUDIO INPUT / COMPONENT INPUT (480i / 480p / 720p / 1080i) SOCKETS**

3. **EURO SCART SOCKET**
   connect the euro scart socket of the VCR to these sockets.

4. **Digital Audio (OPTICAL)**
   Connect digital audio from various types of equipment.
   Note *: In standby mode, these ports will not work.*

5. **AERIAL SOCKET**

6. **S-VIDEO INPUT**
   connect video out from an S-VIDEO VCR to the S-VIDEO input.

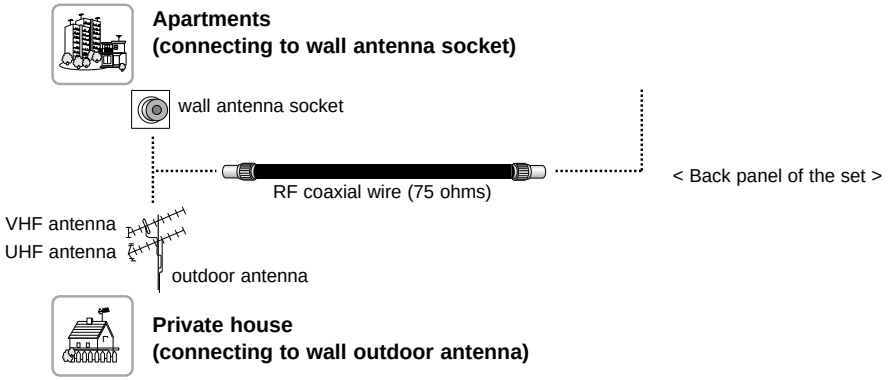
7. **POWER CORD SOCKET**
   This set operates on an AC power. The voltage is indicated on the Specifications page. Never attempt to operate the set on DC power.

Connection to External equipment

- You can connect additional equipment, such as VCRs, camcorders etc. to your set. However please check with your manufacturers instruction books for specific information. Make sure all connections are made with both your set and additional appliance unplugged from the mains to avoid damaging your equipment. Here shown may be somewhat different from your set.

Antenna Connection

- Be careful for the bronze wire not to be bended in connecting to antenna input port.



Watching VCR

- If you connect an S-VIDEO VCR to the S-VIDEO input, the picture quality is improved; compared to connecting a regular VCR to the Video input.
- To avoid picture noise (interference), leave an adequate distance between the VCR and set.

Use the **INPUT SELECT** button on the remote control to select **AV1** or **AV2**.
(If connected to S-VIDEO, select the **S-Video** external input source.)

Insert a video tape into the VCR and press the **PLAY** button on the VCR. (See VCR owner's manual)

Watching Cable TV

- After subscribing for a local cable TV station and installing a converter you can watch cable TV.
- For further information of cable TV, contact the local cable TV station.

Use the **INPUT SELECT** button on the remote control and select **AV1** or **AV2**.

Tune to cable service provided channels using the cable box.

Watching external AV source

- When connecting the set to an external source, match the colours of AUDIO/VIDEO input jacks on the set with the output jacks on the audio/video equipment : Video = yellow, Audio (Left) = white, Audio (Right) = red.

Use the **INPUT SELECT** button on the remote control to select **AV1** or **AV2**.

Operate the corresponding external equipment. See external equipment operating guide.

Connecting PC

- Connect the signal cable from the monitor output socket of the PERSONAL COMPUTER to the **RGB INPUT** socket of the set.

Connect the audio cable from the PC to the **AUDIO INPUT** sockets of the set.

Press the **INPUT SELECT** button to select **PC-RGB**.

Switch on the PC, and the PC screen appears on the set.

The set can be operated as the PC monitor.

Connection to External equipment

Watching DVD

- **Component Input ports**
  You can get better picture quality if you connect DVD player with component input ports as below.

Component ports of the set	Y	P_B	P_R
Video output ports of DVD player	Y Y Y Y	Pb B-Y Cb P_B	Pr R-Y Cr P_R

Connect DVD video inputs to Y, P_B, P_R of COMPONENT (DVD INPUT) and audio inputs to Audio sockets of AUDIO INPUT.

Turn on the DVD player, and insert a DVD.

Use **INPUT SELECT** button on the remote control to select **Component**. Refer to the DVD player's manual for operating instructions.

Connecting HDMI/DVI

- This TV SET can receive the High-Definition Multimedia Interface(HDMI) or Input of Digital Visual Interface(DVI).

Connect the signal cable from the monitor output socket of the PERSONAL COMPUTER to the **DVI INPUT** socket of the set.

Connect the audio cable from the PC to the **AUDIO INPUT** sockets of the set.

Press the **INPUT SELECT** button to select **DVI**.

Switch on the DVI, and the DVI screen appears on the set.

Basic operation

On and Off

1. Connect power cord correctly.

2. If the set is in standby mode, press the **POWER**, ▲ / ▼ buttons on the remote control handset to switch it on fully.

3. Press the **POWER** button on the remote control handset.

4. The set reverts 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.

If you want to switch the sound off, press the **MUTE** button.
You can cancel it by pressing the **MUTE**, ◄ / ►, **S.STD** or **MTS** button.

On screen language selection

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

2. Press the ► button and then use ▲ / ▼ button to select **Language**.

3. Press the ► button and then use ▲ / ▼ button to select your desired language.
   All the on screen displays will appear in the selected language.

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

On screen menus Menu selection

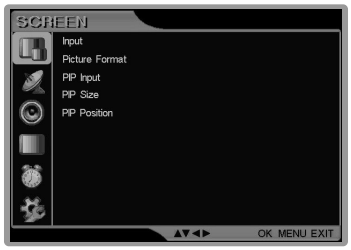
- The dialogue between you and your set takes place on screen with an operator menu. The buttons required for the operating steps are also displayed.

1. Press the **MENU** button and then use ▲ / ▼ button to display each menu.

2. Press the ▶ button and then use ▲ / ▼ button to select a menu item.

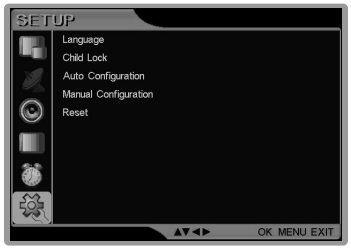
3. Press the ▶ button to display the sub menu or the pull-down menu.
   Change the setting of an item in the sub or pull-down menu with ◀ / ▶ or ▲ / ▼.

4. You can move to the higher level menu with ◀ button and to move to the lower level menu press the ▶ button.

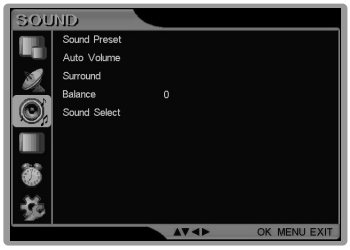


SCREEN menu

PROGRAMME menu

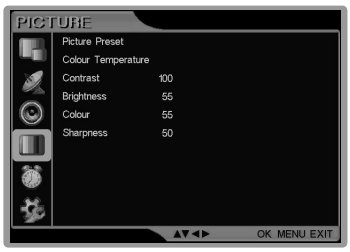


SETUP menu



SOUND menu

TIME menu

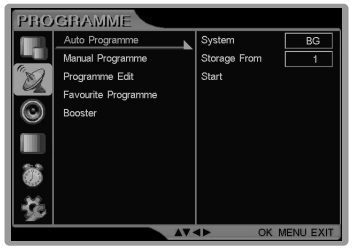


PICTURE menu

Programme Menu

Auto Programme Tuning

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



1. Press the **MENU** button and then use ▲ / ▼ button to select the PROGRAMME menu.
2. Press the ▶ button and then ▲ / ▼ button to select **Auto programme**.
3. Press the ▶ button to select **System**. Select a TV system with the ◀ / ▶ button;
   L : SECAM L/L' (option)
   BG : PAL B/G, SECAM B/G (Europe / East Europe / Asia / New Zealand / M.East / Africa / Australia)
   I : PAL I/II (U.K. / Ireland / Hong Kong / South Africa)
   DK : PAL D/K, SECAM D/K (East Europe / China / Africa / CIS)
   M : (USA / Korea / Philippines) (option)
4. Press the ▼ button to select **Storage from**. Select the beginning programme number with the ◀ / ▶ button or NUMBER buttons on the **Storage from** menu.
5. Press the ▼ button to select **Start**.
6. Press the ▶ button to begin auto programming.
   All receivable stations are stored.
7. Repeatedly press the **MENU** button to return to normal TV viewing.

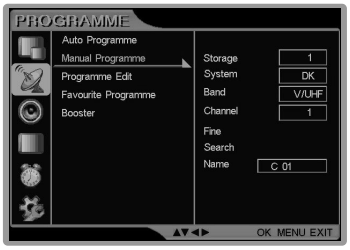
Note : *In some models, the station name is stored for stations which broadcast VPS (Video Programme Service), PDC (Programme Delivery Control) or TELETEXT data. If no station name can be assigned to a station, the channel number is assigned and stored as* ***C*** *(V/UHF 01-69) or* ***S*** *(Cable 01-47), followed by a number.*

To stop auto programming, press the **MENU** button.
When auto programming is completed, the **Programme Edit** menu appears on the screen. See the 'Programme edit' section to edit the stored programme.

Programme Menu

Manual Programme Tuning

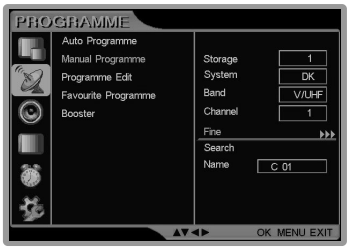
- Manual programme lets you manually tune and arrange the stations in whatever order you desire. Also you can assign a station name with five characters to each programme number.



1. Press the **MENU** button and then use ▲ / ▼ button to select the PROGRAMME menu.
2. Press the ▶ button and then ▲ / ▼ button to select **Manual Programme**.
3. Press the ▶ button to select **Storage**. Select the desired programme number with the ◀ / ▶ button or NUMBER buttons on the **Storage** menu.
4. Press the ▼ button to select **System**. Select a TV system with the ◀ / ▶ button;
   L : SECAM L/L' (option)
   BG : PAL B/G, SECAM B/G (Europe / East Europe / Asia / New Zealand / M.East / Africa / Australia)
   I : PAL I/II (U.K. / Ireland / Hong Kong / South Africa)
   DK : PAL D/K, SECAM D/K (East Europe / China / Africa / CIS)
   M : (USA / Korea / Philippines) (option)
5. Press the ▼ button to select **Band**. Press the ◀ / ▶ button to select **V/UHF** or **Cable** as required.
6. Press the ▼ button to select **Channel**. You can select the desired channel number with the ◀ / ▶ button or NUMBER buttons. If possible, select the channel number directly with the number buttons.
7. Press the ▼ button to select **Search**. Press the ◀ / ▶ button to commence searching. If a station is found the search will stop.
8. Press the **SELECT** button to store it.
9. To store another station, repeat steps 3 to 8.
10. Repeatedly press the **MENU** button to return to normal TV viewing.

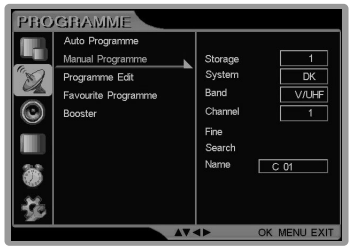
Fine Tuning

- Normally fine tuning is only necessary if reception is poor.



1. Press the **MENU** button and then use ▲ / ▼ button to select the PROGRAMME menu.
2. Press the ▶ button and then ▲ / ▼ button to select **Manual Programme**.
3. Press the ▶ button and then ▲ / ▼ button to select **Fine**.
4. Press the ◀ / ▶ button to fine tune for the best picture and sound.
5. Press the **SELECT** button.
6. Repeatedly press the **MENU** button to return to normal TV viewing.
   The finely tuned programme will be indicated by yellow number during programme selection.

Assigning a Programme Name



1. Press the **MENU** button and then use ▲ / ▼ button to select the PROGRAMME menu.
2. Press the ▶ button and then ▲ / ▼ button to select **Manual Programme**.
3. Press the ▶ button and then ▲ / ▼ button to select **Name**.
4. Press the ▶ button to display the **Name** menu.
5. Press the ▲ button. You can use a blank, +, -, the alphabet **A** to **Z** and the numeric **0** to **9**.
   With the ▼ button you can select in the opposite direction.
6. Select the next position by pressing the ▶ button and then take your choice of the second character, and so on.
7. Press the ▲ button.
8. Press the **SELECT** button to store it.
9. Repeatedly press the **MENU** button to return to normal TV viewing.

Programme Edit

- This function enables you to delete or skip the stored programmes. Also you can move some stations to other programme numbers or copy a blank station data into the selected programme number.

1. Press the **MENU** button and then use ▲ / ▼ button to select the PROGRAMME menu.
2. Press the ▶ button and then ▲ / ▼ button to select **Programme Edit**.
3. Press the ▶ button to display the **Programme Edit** menu.

Deleting a programme

1. Select a programme to be deleted with the ▲ / ▼ or ◀ / ▶ button.
2. Press the **RED** button twice.
   The selected programme is deleted, all the following programmes are shifted up one position.

Copying a programme

1. Select a programme to be copied with the ▲ / ▼ or ◀ / ▶ button.
2. Press the **GREEN** button.
   All the following programmes are shifted down one position.

Moving a programme

1. Select a programme to be moved with the ▲ / ▼ or ◀ / ▶ button.
2. Press the **YELLOW** button.
3. Move the programme to the desired programme number with the ▲ / ▼ or ◀ / ▶ button.
4. Press the **YELLOW** button again to release this function.

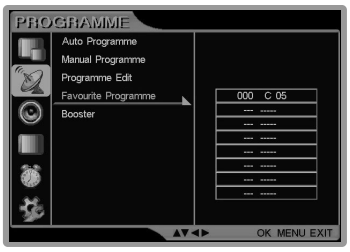
Programme Menu

Skipping a programme number

1. Select a programme number to be skipped with the ▲ / ▼ or ◀ / ▶ button.
2. Press the **BLUE** button. The skipped programme turns to blue.
3. Press the **BLUE** button again to release the skipped programme.
   When a programme number is skipped it means that you will be unable to select it using the ▲ / ▼ button during normal TV viewing. If you want to select the skipped programme, directly enter the programme number with the NUMBER buttons or select it in the programme edit or table menu.

Favourite Programme

- This function lets you select your favourite programmes directly.



1. Press the **MENU** button and then use ▲ / ▼ button to select the PROGRAMME menu.
2. Press the ▶ button and then ▲ / ▼ button to select **Favourite programme**.
3. Press the ▶ button to display the **Favourite programme** menu.
4. Press the ▲ / ▼ button to select **--- -----**.
5. Select a desired programme with the ◀ / ▶ button or NUMBER buttons. Any number under 10 is entered with a numeric **'0'** (or **'00'**) in front of it, i.e. **'05'** (or **'005'**) for 5.
6. To store another programme, repeat steps 4 to 5.
   You can store up to 8 programmes.
7. Press the **SELECT** button.
8. Repeatedly press the **MENU** button to return to normal TV viewing.

Calling the Programme Table

- You can check the programmes stored in the memory by displaying the programme table.

Displaying programme table
Press the **-/--** button to display the Programme table menu.
The programme table appears on the screen.

- You may find some blue highlighted programmes shown. They have been set up in the programme edit mode.
- Some programmes with the channel number shown in the programme table indicate there is no station name assigned.

Selecting a programme in the programme table
Select a programme with the ▲ / ▼ or ◄ / ► button.
Then press the **SELECT** button.
The Plasma Display switches to the chosen programme number.

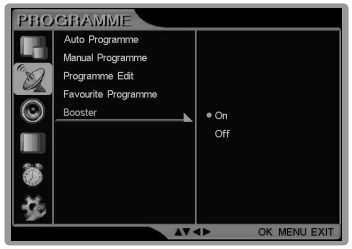
Paging through a programme table
There are 10 programme table pages in which contain 100 programmes.
Pressing the ▲ / ▼ or ◄ / ► button repeatedly turns the pages.

Press the **-/--** button to return to normal TV viewing.

Booster

In some models, **Booster** is an optional function. Only a set with **Booster** can perform this function.
If the reception is poor at the fringe area of TV signal, select **Booster** to **On**.

1. Press the **MENU** button and then use ▲ / ▼ button to select the PROGRAMME menu.
2. Press the ► button and then ▲ / ▼ button to select **Booster**.
3. Press the ▲ / ▼ button to select **On** or **Off**.
4. Press the **SELECT** button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.



Sound Menu

Sound Preset

- This function lets you enjoy the best sound without any special adjustment because the set automatically selects the appropriate sound option based on the program content.
- When adjusting sound options (treble and bass) manually, S.STD is automatically changed to **User**.

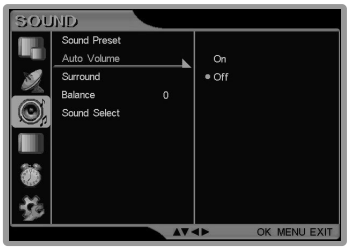
1. Press the **S.STD** button.
2. Press the **S.STD** button to select your desired sound.

→ **Music** → **Sports** → **Cinema** → **Speech** → **User** →

- You can also select **Music**, **Sports**, **Cinema**, **Speech** or **User** in the SOUND menu.
- The sound **Music**, **Sports**, **Cinema** and **Speech** are programmed for good sound reproduction at the factory and cannot be changed.

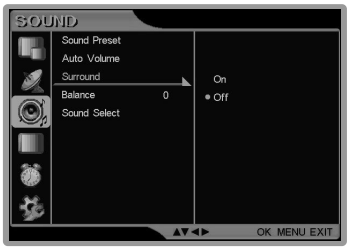
Auto Volume

- This feature maintains an equal volume level; even if you change channels.



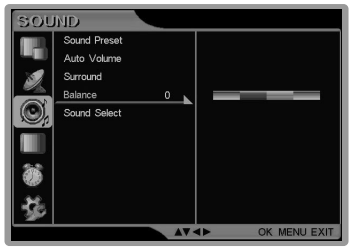
1. Press the **MENU** button and then use ▲ / ▼ button to select the SOUND menu.
2. Press the ► button and then use ▲ / ▼ button to select **Auto Volume**.
3. Press the ► button and then use ▲ / ▼ button to select **On** or **Off**.
4. Repeatedly press the **MENU** button to return to normal TV viewing.

Surround



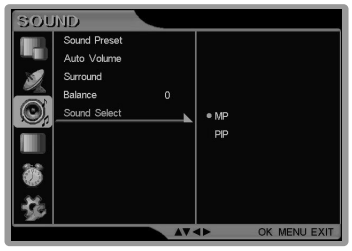
1. Press the **MENU** button and then use ▲ / ▼ button to select the SOUND menu.
2. Press the ► button and then use ▲ / ▼ button to select **Surround**.
3. Press the ► button and then use ▲ / ▼ button to select **On** or **Off**.
4. Repeatedly press the **MENU** button to return to normal TV viewing.

Adjusting Sound Control



1. Press the **MENU** button and then use ▲ / ▼ button to select the SOUND menu.
2. Press the ▶ button and then use ▲ / ▼ button to select the desired sound item.
3. Press the ▶ button and then use ◀ / ▶ button to make appropriate adjustments.
4. Repeatedly press the **MENU** button to return to normal TV viewing.

Sound Select (PIP mode only)



1. Press the **MENU** button and then use ▲ / ▼ button to select the SOUND menu.
2. Press the ▶ button and then use ▲ / ▼ button to select **Sound Select**.
3. Press the ▶ button and then use ▲ / ▼ button to select **MP** or **PIP**.
4. Repeatedly press the **MENU** button to return to normal TV viewing.

Stereo / Dual Reception

- When a programme is selected, the sound information for the station appears after the programme number and station name disappear.

On Screen Display
Press the **MTS** button to received broadcast state.

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 **MTS** button twice. In mono reception the depth of sound is improved. To switch back to stereo, press the **MTS** button twice 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 **MTS** 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 Menu

NICAM Reception (option)

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

- When NICAM mono is received, you can select **NICAM MONO** or FM MONO.
- When NICAM stereo is received, you can select **NICAM STEREO** or FM MONO. If the stereo signal is weak, switch to FM mono.
- When NICAM dual is received, you can select **NICAM DUAL I**, **NICAM DUAL II**, **NICAM DUAL I + II**, or **MONO**. When FM mono is selected the display **MONO** appears on the screen.

Sound output selection
In AV, Component, RGB or DVI mode, you can select output sound for the left and right loud-speakers.
Repeatedly press the **MTS** button to select the sound output.

- **L+R** : Audio signal from audio L input is sent to left loud-speaker and audio signal from audio R input is sent to right loud-speaker.
- **L+L**: Audio signal from audio L input is sent to left and right loud-speakers.
- **R+R** : Audio signal from audio R input is sent to left and right loud-speakers.

Picture Menu

Picture Preset

- This function adjusts the set to the best picture appearance.
- When adjusting picture options (contrast, brightness, colour, sharpness and tint (NTSC input only)) manually, P.STD is automatically changed to **User**.

1. Press the **P.STD** button

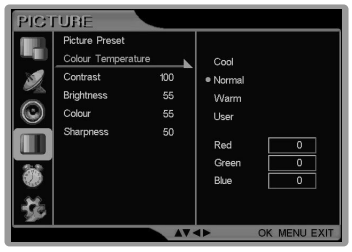
• Each press of the **P.STD** button changes the screen display as shown below.

→ **Dynamic** → **Standard** → **Cinema** → **Mild** → **User** →

• You can also select **Dynamic**, **Standard**, **Cinema**, **Mild** or **User** in the PICTURE menu.
• Picture options **Dynamic**, **Standard**, **Cinema** and **Mild** are preset and programmed for good picture quality at the factory and cannot be changed.

Colour Temperature

- To initialize values (reset to default settings), select the **Normal** option.



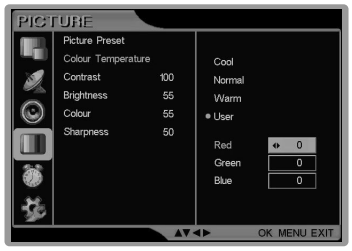
1. Press the **MENU** button and then use ▲ / ▼ button to select the PICTURE menu.
2. Press the ► button and then use ▲ / ▼ button to select **Colour Temperature**.
3. Press the ► button and then use ▲ / ▼ button to select the desired colour temperature.
4. Repeatedly press the **MENU** button to return to normal TV viewing.

• Each press of ▲ / ▼ button changes the screen display as shown below.

→ **Cool** ↔ **Normal** ↔ **Warm** ↔ **User** ←

Manual Colour Temperature Control

- You can adjust red, green, or blue to any colour temperature you prefer.

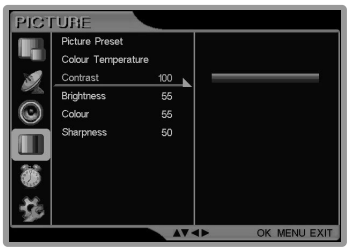


1. Press the **MENU** button and then use ▲ / ▼ button to select the PICTURE menu.
2. Press the ► button and then use ▲ / ▼ button to select **Colour Temperature**.
3. Press the ► button and then use ▲ / ▼ button to select **User**.
4. Press the ► button and then use ▲ / ▼ / ◄ / ► button to make appropriate adjustments.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

Programme Menu

Manual Picture Control

- You can adjust picture contrast, brightness, colour, sharpness and tint (NTSC input only) to the levels you prefer.
- In the broadcasting system PAL/SECAM, the picture item Tint doesn't work.

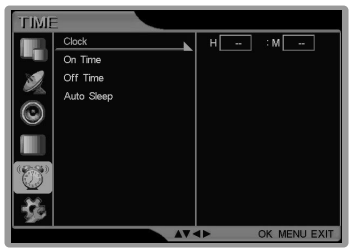


1. Press the **MENU** button and then use ▲ / ▼ button to select the PICTURE menu.
2. Press the ► button and then use ▲ / ▼ button to select the desired picture option.
3. Press the ► button and then use ◄ / ► button to make appropriate adjustments.
4. Repeatedly press the **MENU** button to return to normal TV viewing.

Time Menu

Setting the Clock

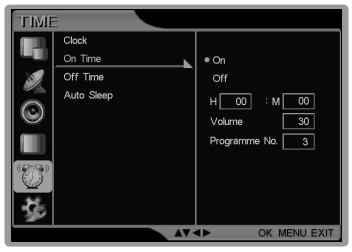
- If current time setting is erased by a power failure, if TV is unplugged or if the set is turned off with the **ON/OFF** button on the set, reset the clock.



1. Press the **MENU** button and then use ▲ / ▼ button to select the TIME menu.
2. Press the ► button and then use ▲ / ▼ button to select **Clock**.
3. Press the ► button and then use ▲ / ▼ button to adjust the hour.
4. Press the ► button and then use ▲ / ▼ button to adjust the minute.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

Setting the On/Off Timer

- Timer function operates only if current time has been already set.
- Off Timer function overrides on Timer function if they are set to the same time.
- The set must be in standby mode for the On Timer to work.



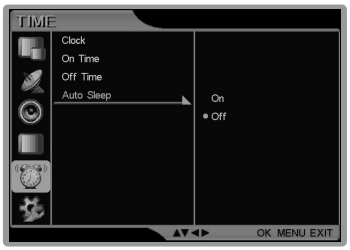
1. Press the **MENU** button and then use ▲ / ▼ button to select the TIME menu.
2. Press the ► button and then use ▲ / ▼ button to select **Off time** or **On time**.
3. Press the ► button and then use ▲ / ▼ button to select **On**.
4. Press the ► button and then use ▲ / ▼ button to adjust the hour.
5. Press the ► button and then use ▲ / ▼ button to adjust the minute.
6. **Only On time function** ; Press the ► button and then use ▲ / ▼ button to adjust programme number or volume level.
7. Repeatedly press the **MENU** button to return to normal TV viewing.

- To cancel **Off/On time** function
  Press the ▲ / ▼ button to select **Off** in step 3.
- 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.

Time Menu

Auto Sleep

- If there is no input signal, the monitor turn off automatically after 10 minutes.



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

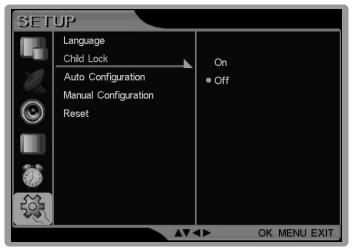
Sleep Timer

- Sleep timer turns the set off at the preset time.
- Press the **SLEEP** button to select the number of minutes. The display --- Min will appear on the screen, followed by **10**, **20**, **30**, **60**, **90**, **120**, **180** and **240** minutes. The timer begins to count down from the number of minutes selected.
- To check the remaining sleep time, press the **SELECT** button once.
- To cancel the sleep time, repeatedly press the **SLEEP** button until the display --- Min appears.
- If you turn the set off after setting the sleep timer, the setting will be erased.

Setup Menu

Child Lock

- The set can be set up so that it can only be used with the remote control.

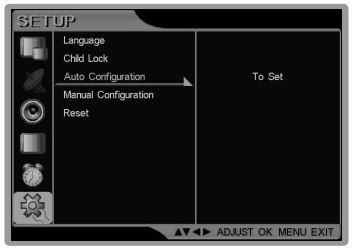


1. Press the **MENU** button and then use ▲ / ▼ button to select the SETUP menu.
2. Press the ► button and then use ▲ / ▼ button to select **Child Lock**.
3. Press the ► button and then use ▲ / ▼ button to select **On** or **Off**.
4. Repeatedly press the **MENU** button to return to normal TV viewing.

- With the lock on, the display **Child lock On** appears on the screen if any button on the front panel is pressed while viewing the TV.
- The display **Child lock On** will not appear on the screen if any button on the front panel is pressed while displaying the menus.

Auto Configuration (RGB [PC] mode only)

- Automatically adjusts picture position and minimizes image shaking.

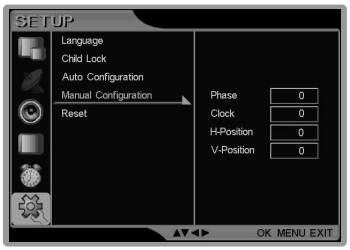


1. Press the **MENU** button and then use ▲ / ▼ button to select the SETUP menu.
2. Press the ► button and then use ▲ / ▼ button to select **Auto Configuration**.
3. Press the ► button to start **Auto Configuration**.
4. If picture needs to be adjusted more after Auto adjustment in RGB (PC), you can adjust the **Manual Configuration**.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

Setup Menu

Manual Configuration (RGB [PC], Component mode only)

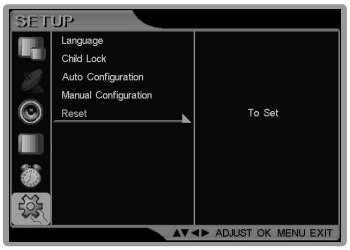
- If the picture isn't clear after auto adjustment and especially that characters are still trembling, adjust the picture phase manually.
- To correct the screen size, adjust **Clock**.



1. Press the **MENU** button and then use ▲ / ▼ button to select the SETUP menu.
2. Press the ► button and then use ▲ / ▼ button to select **Manual Configuration**.
3. Press the ► button and then ▲ / ▼ button to select **Phase**, **Clock**, **H-Position**, **V-Position**.
4. Press the ◄ / ► button to make appropriate adjustments.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

Reset (Reset to original factory value)

- This function operates in current mode.
- To initialize the adjusted value

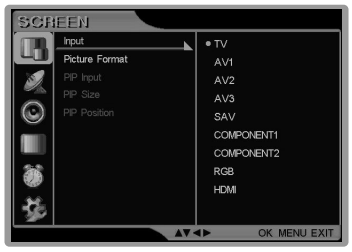


1. Press the **MENU** button and then use ▲ / ▼ button to select the SETUP menu.
2. Press the ► button and then use ▲ / ▼ button to select **Reset**.
3. Press the ► button.

Screen Menu

Main Picture Source Selection

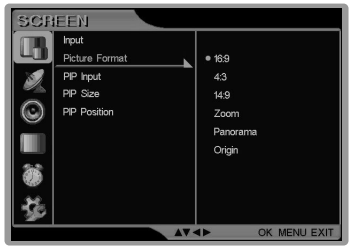
- Inputs can be set for TV, AV, SAV, Component or RGB, HDMI mode.
- AV mode is used when a video cassette recorder (VCR), or other equipment is connected to the set.



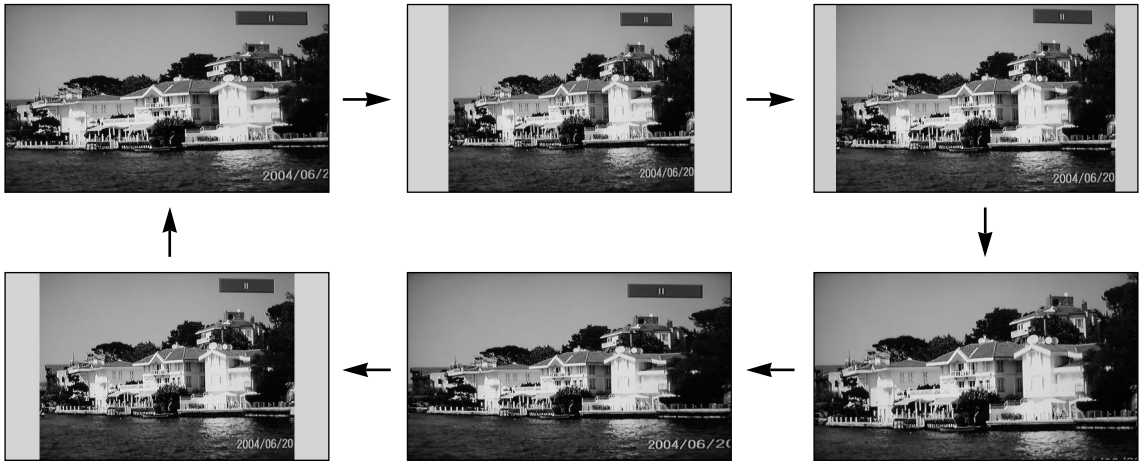
1. Press the **MENU** button and then use ▲ / ▼ button to select the SCREEN menu.
2. Press the ► button and then use ▲ / ▼ button to select **Input**.
3. Press the ► button and then ▲ / ▼ button to select **TV**, **AV1**, **AV2**, **AV3**, **SAV**, **COMPONENT1**, **COMPONENT2**, **RGB**, **HDMI**.
4. Press the **SELECT** button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

Setting Picture Format

- You can watch the screen in various picture formats : **16:9**, **4:3**, **14:9**, **Zoom**, **Panorama**, and **Origin**.



1. Press the **MENU** button and then use ▲ / ▼ button to select the SCREEN menu.
2. Press the ► button and then use ▲ / ▼ button to select **ARC**.
3. Press the ► button and then use ▲ / ▼ button to select **16:9**, **4:3**, **14:9**, **Zoom**, **Panorama**, and **Origin**.
4. Repeatedly press the **MENU** button to return to normal TV viewing.



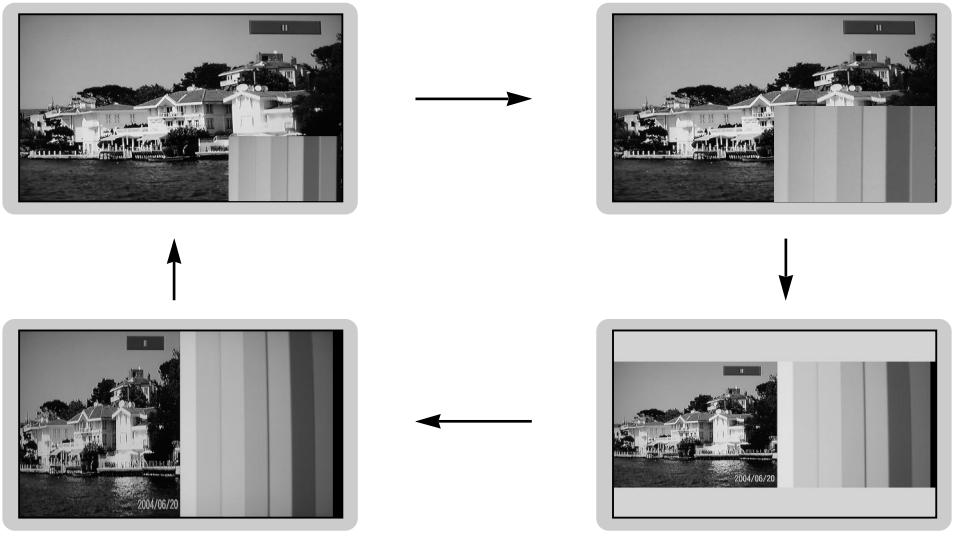
PIP (Picture-in-Picture) Feature

- PIP lets you view 2 different inputs (sources) on your set screen at the same time.
- It's not available to use this function in TELETEXT mode.

Watching PIP

Press the **PIP** button to show the sub picture.

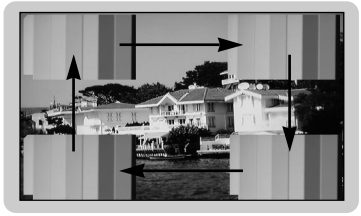
• Each press of **PIP** button changes the screen display as shown below.



Moving the PIP

Press the **POSITION** button.

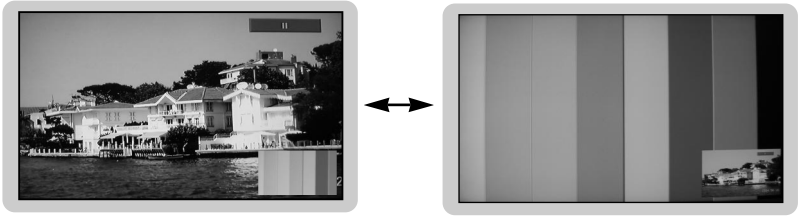
Press the **POSITION** button repeatedly until desired position is achieved. The sub pictures move clockwise.



Swapping the PIP

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

This function works in the following mode : Main picture - TV, AV1, AV2 , AV3, SAV.



Programme selection for sub picture

Press the ▲▼ **PR** button. The selected programme number is displayed just below the programme number of main picture.

Programme scan

This function enables you to search all the stored stations on 4 or 16 sub pictures and see your favourite station by exchanging the main and sub pictures.

Press the **Multi PIP** button repeatedly to select POP4.
The selected sub or main pictures search all the stored stations.
Press the **EXIT** button to switch off sub or main pictures.
This function works in the following mode : Main picture - AV1, AV2 , AV3, SAV, COMPONENT1, COMPONENT2, RGB, HDMI.

Selecting a Input Signal Source for the PIP

Use the **PIP-SRC** button to select the input source for the sub picture.

Teletext (option)

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

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

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

Switch on/off

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

SIMPLE text

Page selection

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

Programming a colour button in LIST mode

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

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. Press a coloured button.
2. Using the NUMBER buttons, select the page you wish to programme.
3. Press the **SELECT** button. The selected page is stored as the selected page number, blinking once to confirm this. From now on, you can select this page with the same coloured button.
4. The three other coloured buttons are programmed in this way.

TOP text (option)

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

Block / group / page selection

1. With the blue button you can progress from block to block.
2. Use the yellow button to proceed to the next group with automatic overflow to the next block.
3. With the green button you can proceed to the next existing page with automatic overflow to the next group.
   Alternatively the ▲ button can be used.
4. The red button permits to return to previous selection. Alternatively the ▼ button can be used.

Direct page selection

Corresponding to the SIMPLE teletext mode, you can select a page by entering it as a three digit number using the NUMBER buttons in TOP mode.

FASTEXT

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

Page selection

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

Teletext (option)

Special teletext functions

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

SIZE
Selects double height text.
Press this button to enlarge the top half of the page.
Press this button again to enlarge the bottom half of the page.
Press this button again to return to the normal display.

UPDATE
Displays the TV picture on the screen while waiting for the new teletext page. 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
Stops the automatic page change which will occur if a teletext page consists of 2 or more sub pages. The number of sub pages and the sub page displayed is, usually, shown on the screen below the time. When this button is pressed the stop symbol is displayed at the top left-hand corner of the screen and the automatic page change is inhibited.
To continue press this button again.

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

TIME
When viewing a TV programme, press this button to display the time at the top right hand corner of the screen. Press this button again to remove the display. In the teletext mode, press this button to select a sub page number. The sub page number is displayed at the bottom of the screen. To hold or change the sub page, press the RED / GREEN, ▲ / ▼ or NUMBER buttons.
Press this button again to exit this function.

Displayable Monitor Specification

PC-RGB Mode

Resolution	H - Freq	V - Freq
720X400	31.469KHz	70.08Hz
	37.927KHz	85.03Hz
640X480	35KHz	66.66Hz
	37.861KHz	72.8Hz
	37.5KHz	75Hz
	43.269KHz	85Hz
800X600	35.156KHz	56.25Hz
	37.879KHz	60.31Hz
	48.077KHz	72.18Hz
	46.875KHz	75Hz
	53.476KHz	85.06Hz
832X624	49.725KHz	74.55Hz
1024X768	48.363KHz	60Hz
	56.476KHz	70.06Hz
	60.023KHz	75.02Hz
	68.677KHz	85Hz
1152X864	54.348KHz	60.05Hz
	67.5KHz	75Hz
1280X960	60KHz	60Hz
1280X1024	63.981KHz	60.02Hz
1360X768	49.02KHz	60Hz
576P	31.2KHz	50Hz
480P	31.469KHz	59.941Hz
720P	37.5KHz	50Hz
	45KHz	60Hz
1080I	28.125KHz	50Hz
	33.75KHz	60Hz

Component Mode

Resolution	H - Freq	V - Freq
480I	15.734KHz	60Hz
576I	15.625KHz	50Hz
480P	31.469KHz	60Hz
576P	31.250KHz	50Hz
720P	37.5KHz	50Hz
	44.955KHz	60Hz
1080I	28.125KHz	50Hz
	33.716KHz	60Hz

HDMI Mode

Resolution	H - Freq	V - Freq
576P	31.2KHz	50Hz
480P	31.469KHz	59.941Hz
720P	37.5KHz	50Hz
	45KHz	60Hz
1080I	28.125KHz	50Hz
	33.75KHz	60Hz

Note

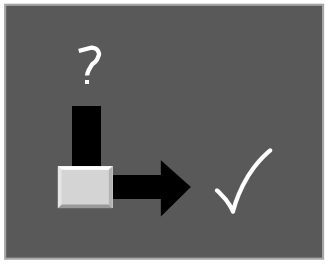
FCC NOTE

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

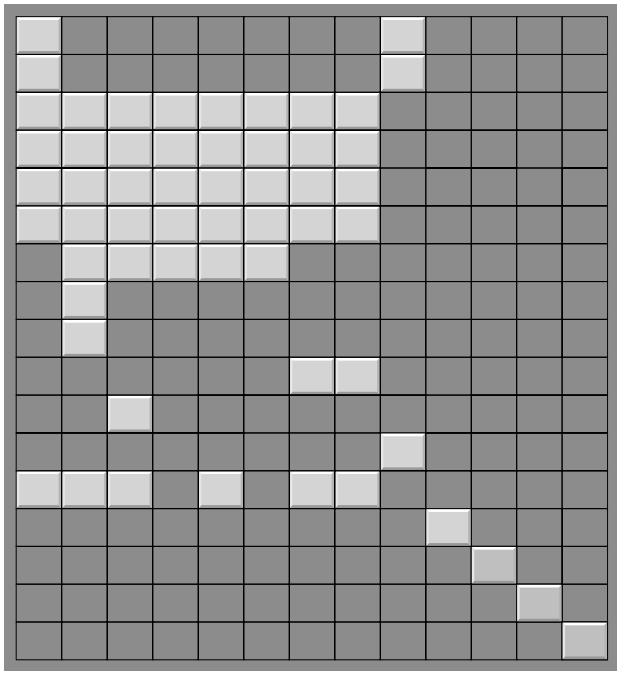
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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
Incorrect position
Vertical bars or stripes on background
Horizontal noise
Signal Cable message appears



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)
- Auto-configure or adjust the H/V position
- Auto-configure or adjust Clock
- Auto-configure or adjust Clock Phase
- Is the Signal Cable connected or loose