LCD COLOUR TV USER'S MANUAL

English

Part No:

SAFETY CLASS

This is an IEC safety class I product and must be grounded for safety.

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Design and specifications are subject to change without notice.



- The symbol of the dustbin barred means that this apparatus cannot be put at the rebus with not sorted waste domestic running.
- It is interdict to throw with not sorted waste domestic running, of deposited on the public thoroughfare or at any other place not envisaged to this end. This apparatus contains substances being able to be harmful for the environment.
- The presence of certain substances can have harmful effects on the environment.
- This apparatus profits from a specific treatment of recycling for the re-use of the matters which make it up.
- This apparatus must be thrown only to the places envisaged. Inform near your authority to know the places of electronic collection of waste.
- Your sale point must collect this apparatus against the purchase of a new one for its recycling.
- The selective collection of waste electronics is to reduce the number of substance vermin not recycled and to thus contribute to the environment.

OSD language Settings

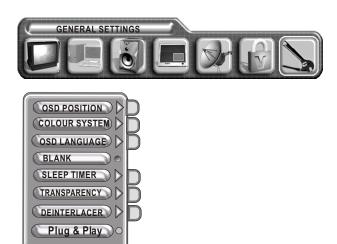
When you start using your set for the first time, this menu will be displayed on the screen as shown on the right.

- 1.Press the [CH+ or CH-] button to select the OSD language
- 2.Press the [VOL+ or VOL-] button to select the language that you want to use.

OSD Langueage	English
Teletex Language	West Europe
Colour System	PAL
Sound System	BG
Auto Search	

Notes: The menu is only displayed once when you turn on the TV. If you want to select this menu, please follow the instructions below:

- 1).Press the [Menu]_button to enter the main menu.
- 2). Press the [VOL+ or VOL-] button to slect the item General settings as shown on the right.
- 3). Press the [CH+ or CH-] button to select the Plug & play and press the [VOL+ or VOL-] button to select this function.
- 4). Turn on your TV again, the menu will be displayed on the screen.







CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER(OR BACK).NO USERSERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation pointwithin an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the set.

IMPORTANT SAFEGUARD

FIRE AND SHOCK PRECAUTIONS

- Adequate ventilation must be provided to prevent heat build up inside unit. Keep the inside of unit free
 from foreign objects, such as hairpins, nails, paper, etc. Do not build the set into a bookcase or other
 enclosures in which it would be poorly ventilated. Do not place it on carpet or a bed as low ventilation
 boles could become obstructed.
- Do not set liquids, including flower vases and vessels filled with chemicals or water etc., On top of the unit as liquid could get inside the unit. If a hazardous object falls inside the TV set, unplugit immediately and call a qualified technician for removal.
- When placing or moving the TV set, take care to insure that the power cord is fitted into the allocated slot. To avoid damage to the power cord, never allow heavy objects such as the TV set itself to be placed on the power cord. Keep cord away from radiating appliances. Do not allow cord to become knotted or tangled. Do not lengthen the cord. When removing the power plug from the socket, always hold onto the plug, never pull by the cord.
- This TV set shall be connected to a main socket outlet with a protective earthing contaction.
- The main plug and main switch should be remain readily operable after installation
- No nacked flame sources, such as lighted ca dles, should be placed on the apparatus
- Minimum distances around the apparatus for sufficient ventilation
- The use of apparatus in moderate climates

WARNING

- Do not remove the back cover of the TV set. Accidental contact with high voltage components could result in electric shock. When internal adjustment is necessary, please contact your distributor.
- If your set produces sound but no picture, or it emits smoke or produces a strange sound or smell, continue operation is dangerous. Immediately turn off power and remove the power plug from the socket and contact your distributor.
- During vacation or other occasions when you will not be using the set for an extended period, remove the power plug from the socket.
- This appliance should not be operated by children or infirm persons without adequate supervision.

Preparation for Using your new TV

Selecting a location for the TV

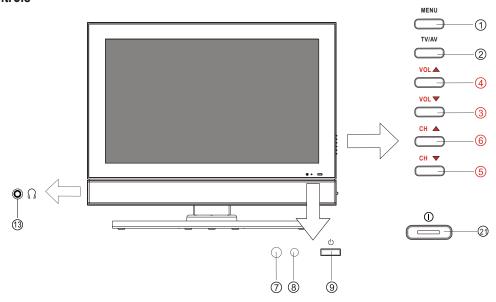
- 1)Place the TV on the floor or on a sturdy platform in a location where light does not directly hit the screen.
- 2)Place the TV far enough from the walls to allow proper ventilation. Inadequate ventilation may cause overheating, which may damage the TV.

NOTE: Please contact local dealer for wall mounting.

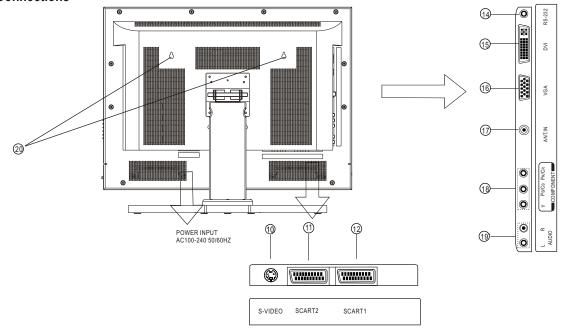
Learning about your TV

You can operate your TV by using the buttons on the front panel or the remote control. The terminals on the back panel provide all the connections you will need to connect other equipment to your TV.









Note: The above figures are for reference only, please refer to the actual units to determine their appearance.

Preparation for Using your new TV

- 1 MENU button
- 2 Source select
- ③ Volume down / cursor left
- 4 Volume up / cursor right
- (5) Channel down / cursor down
- 6 Channel up / cursor up
- Remote Sensing Window
- (8) Power indicator
- POWER button (standby)

- S-Video input
- (f) SCART2
- ② SCART1
- (13) Headphone output
- (4) RS232C DEBUG terminal
- (5) DVI input
- 6 PC VGAinput
- (7) CATV antenna input
- 18 YPBPR/YCBCR input

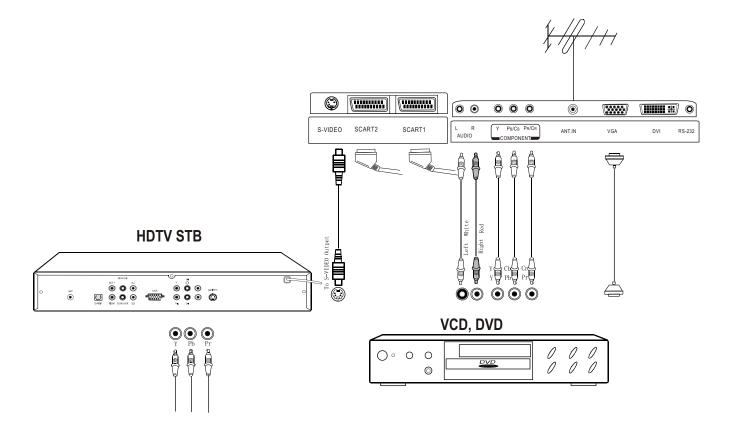
- (9) YPBPR/YCBCR/PC audio input
- 20 Wall mounting locating hole
- 21 AC Power switch

Connecting your TV

Caution: Do not plug the TV in until you have finished connecting all of your equipment.

Connecting to A/V equipments

To enjoy its multimedia features, you can connect your TV to A/V equipments such as VCR, DVD, STB, Satellite receiver, Camcorder, Audio amplifier etc., and select signal sources using your remote control. Connect the devices as shown below.

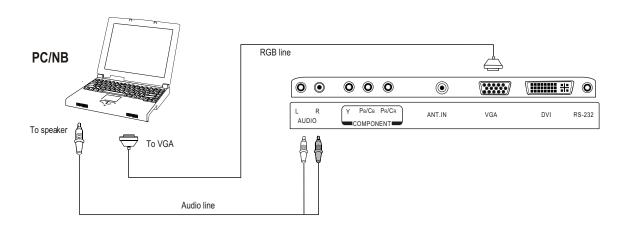


Note: The S-Video terminal and SCART2 terminal can not be used at the same time. Otherwise, they will interfere each other.

Preparation for Using your new TV

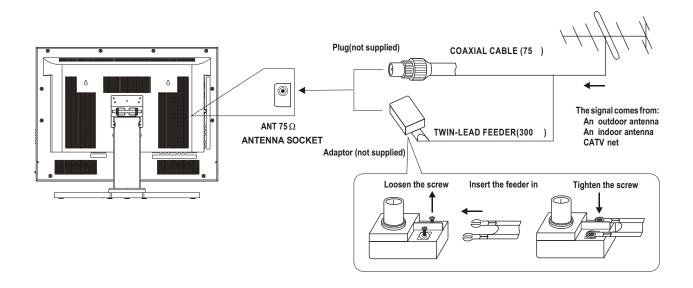
Connecting to A Computer

You can use your TV as a monitor/speakers for your computer by connecting through its 15pin standard RGB interface and PC audio interface. Connect the devices as shown below.



Connecting to an antenna

To enjoy the terrestrial signal transmitted by your local TV station, you need an indoor or outdoor antenna (not supplied). Perfect picture quality requires a good signal and generally means that an outdoor antenna must be used. The exact type and location of the antenna will depend on your particular area. Consult your local dealer or service personnel for best advice. If you are a subscriber of your local CATV net, the outdoor or indoor antenna is not needed. Connect the equipments as the following figure.



Using the remote control

Preparing the remote control for use

Installing the remote control batteries

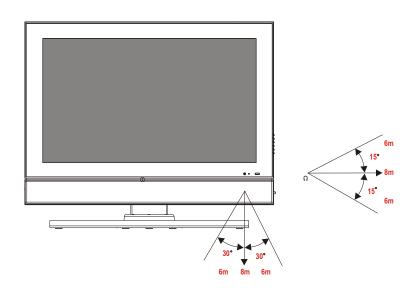
1. Open the battery cover on the back of the remote control.



- 2. Install two AAA size(1.5V) batteries. Match the + and signs on the batteries to the signs on the battery compartment.
- 3. Close the battery cover.

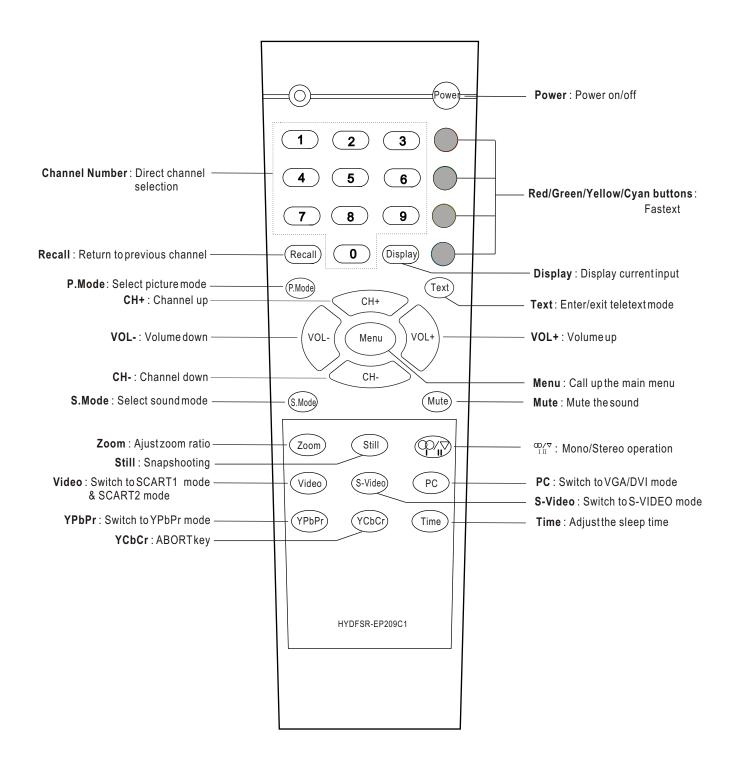
Note:

- 1.Dispose of your batteries in a designated disposal area. Do not throw batteries into fire.
- 2.Do not mix battery types or combine used batteries with new ones.
- 3. Remove dead batteries immediately to prevent battery acid from leaking into the battery compartment.
- 4.If you do not intend to use the remote control for a long time, remove the batteries.
- 5. The effective range of remote control is suggested in the figure.



Using the remote control

Learning about the remote control



Understanding the TV features

- Multimedia TV receiver, Video monitor and PC display, all in one
- Wider viewing angle, 16:9 display over 160° viewing angle, 16:9 ergonomical display panel
- Digital display device truthfully reproducing the images, without distortion or blurring, irrespective
 of magnetic or geomagnetic effect
- 200 channels storage
- Sleep timer
- Teletext with 252 pages memory
- NICAM/A2
- Dual SCART interface
- Multi-language OSD

Basic Operations

Power ON/OFF

- 1) Connect the TV to power outlet and switch on the AC power switch. If the power indicator is red, it means that the TV is off. You need to press the Power button on the front control or on the remote control to turn on the TV, and the power indicator will turn blue. Several seconds later, TV picture will display on the screen.
- POWER POWER BUTTON INDICATOR (STANDBY)
- Press the Power button on the front control or on the remote control to turn off the TV temporarily.
- 3) Always release the AC power switch or remove the AC power plug from the outlet when not using for a long period of time.

Signal source selection

Press the [CH+/CH-] button to select TV input; press the [VIDEO] button to select SCART1 input or SCART2 input(from SCART2); press the [S-VIDEO] button to select S-VIDEO input; press the [YPbPr] button to select YPBPR/YCBCR input; press the [PC] button to select PC input(When you press the PC button first, you can enter the VGA mode, when you press the PC button again, you can enter the DVI mode).

NOTE: When you press the [YCbCr] button, the **ABORT KEY** will be displayed on the screen, and this button has no use in this TV.

Select channels by [CH+/CH-]

You can also use[CH+ / CH-] to select channels. [CH+] indicates channel number increase; [CH-] indicates channel number decrease.

Select channels by numbers

To select a channel: Press the channel numbers in series to select channel directly.

For example, to seclect channel 120, Press the button 1, and 1_{-} will display on the top right corner of the screen, then press the button 2, 12_{-} will display, press the button zero, you can enjoy the program of channel 120.

NOTE:

- 1) When you changing the channel, the sound state colour system state & sound system state graphics can be displayed below the channel number. There are 3 sound states in this TV. If the sound is mono, the graphics is I But the sound is stereo, the graphics is II. But the colour system state & sound system state is you preset the state.
- 2) When changing the channel, the sound of current channel will be firstly changed to stereo, NICAM dual I or DUAL I according to the sound state of current channel. You can press the I/II button on the remote control to change current sound type.

Adjust Volume

When menu is not displayed on the screen, press [VOL-] or [VOL+] to adjust the volume.

Use [Recall] button

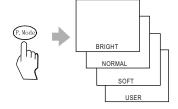
Press the [Recall] button repeatedly to alternate between the present channel and the previous channel.

Display channel number

Press [Display] button to display the present channel number, but it will also disappear 3 seconds after your pressing.

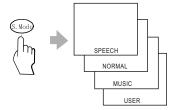
Select picture modes

You can select the picture mode from among three preset modes and one user-set mode. Press the [P.mode] button repeatedly to select the desired picture mode.



Select sound modes

You can select the sound mode from among three preset modes and one user-set mode. Press the [S.mode] button repeatedly to select the desired sound mode.



Use [Still] button

Press the [Still] button to snapshot the present picture, and press again to return to normal watching.

Use [Zoom] button

Press the [Zoom] button to adjust the screen aspect ratio and zoom ratio.

Mute function

Press [Mute] button repeatedly to switch between mute and unmute mode.

Using the CHANNEL menu

PROGRAM

- 1) Press the [MENU] button to enter the main menu.
- 2) Press the [VOL+ or VOL-] button to select the item CHANNEL.
- 3) Press the [CH+ or CH-] button to select PROGRAM.
- 4) Press the [VOL+ or VOL-] button to select the present channel.

Sound system

You can set sound syetem.

- 1) Press the [MENU] button to enter the main menu.
- 2) Press the [VOL+ or VOL-] button to select the item CHANNEL.
- 3) Press the [CH+ or CH-] button to select sound system.and press the [VOL+] button to enter sound system.
- 4) Press the [VOL+] button to switch among AUTO, D/K, B/G, I, L, L'.

AUTO SEARCH

- 1) Press the MENU button to enter the main menu.
- 2) Press the [VOL+ or VOL-] button to select the item CHANNEL.
- 3) Press the [CH+ or CH-] button to select AUTO SEARCH.
- 4) Press the [VOL+] button to start auto searching.

MANUAL SEARCH

- 1) Press the MENU button to enter the main menu.
- 2) Press the [VOL+ or VOL-] button to select the item CHANNEL.
- 3) Press the [CH+ or CH-] button to select MANUAL SEARCH.
- 4) Press the [VOL+ or VOL-] button to start MANUAL searching.

FINE TUNE

- 1) Press the MENU button to enter the main menu.
- 2) Press the [VOL+ or VOL-] button to select the item CHANNEL.
- 3) Press the [CH+ or CH-] button to select FINE TUNE.
- 4) Press the [VOL+ or VOL-] button to fine tune current channel.

SKIP

- 1) Press the [MENU] button to enter the main menu.
- 2) Press the [VOL+ or VOL-] button to select the item CHANNEL.
- 3) Press the [CH+ or CH-] button to select SKIP.
- 4) Press the [VOL+] button to skip or unskip the present channel.

NOTE: The 'skipped' channels cannot be accessed by [CH+ or CH-], but you can access them by digit (direct select) button.

CHANNEL EDIT

- 1) Press the MENU button to enter the main menu.
- 2) Press the [VOL+ or VOL-] button to select the item CHANNEL.
- 3) Press the [CH+ or CH-] button to select CHANNEL EDIT.
- 4) Press the [VOL+] button to start CHANNEL EDIT.



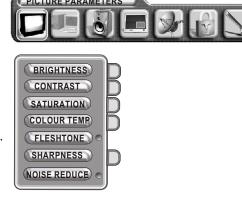


Using the PICTURE menu

Adjust picture settings

- 1) Press the [MENU] button to enter the main menu.
- 2) Press the [VOL+ or VOL-] button to select the item PICTURE PARAMETERS.
- 3) Press the [CH+ or CH-] button to select the item you want to adjust.
- 4) Press the [VOL+ or VOL-] button to adjust the level.
- 5) The adjusted data is stored automatically in the user mode of picture.

NOTE: The COLOUR TEMP only can be adjusted in the PC mode.



Using the AUDIO SETTINGS menu

Adjust audio settings

- 1) Press the [MENU] button to enter the main menu.
- Press the [VOL+ or VOL-] button to select the item AUDIO SETTINGS.
- 3) Press the [CH+ or CH-] button to select the item you want to adjust.
- 4) Press the [VOL+ or VOL-] button to adjust the level.
- 5) The adjusted data is stored automatically in the user mode of sound.



Using the PIP menu

- 1) Press the MENU button to enter the main menu, press the [VOL+ or VOL-] to select the PICTURE-IN-PICTURE.
- 2) Press the [CH+ or CH-] button to select the PIP SIZE, and press the [VOL+] button to enter the PIP SIZE, press the [CH+ or CH-] button to select the OFF/PIP/PBP.
- 3) Press the [CH+ or CH-] button to select the PIP SOURCE, and press the VOL+ button to enter the PIP SOURCE, press the [CH+ or CH-] button to select the pip source.
- 4) Press the [CH+ or CH-] button to select the PIP POSITION or PIP BRIGHTNESS or PIP CONTRAST, press the [VOL+ or VOL-] button to adjust the value.



2) When main picture is YPbPr/VGA/DVI, pip picture is TV/SCART1/SCART2/S-VIDEO.



PICTURE-IN-PICTUR

PIP POSITION

PIPBRIGHTNESS

PIP CONTRAST

PIP SOURCE

PIP SIZE

Using the MENU LOCK SETTING menu

LOCK MENU

- 1) Press the [MENU] button to enter the main menu.
- 2) Press the [VOL+ or VOL-] button to select the item MENU LOCK SETTING.
- 3) Press the [CH+ or CH-] button to select the LOCK MENU.
- 4) Press the [VOL+] button to enable the LOCK MENU.



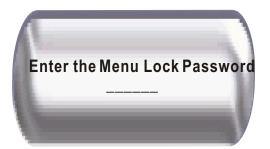
SET PASSWORD

SET PASSWORD

Password is a four-digit number. The preset password is 1111.

If you want to change the password, you must enter the preset password.

1) Press the [CH+ or CH-] button to select SET PASSWORD, and enter the preset password.



CHANGE PASSWORD

- 1) Press the [CH+ or CH-] button to select SET PASSWORD, and press the [VOL+] to enter SET PASSWORD.
- 2) Input the new password, So you succeed in changing the password.



Using the GENERAL SETTINGS menu

OSD POSITION

- 1) Press the [MENU] button to enter the main menu.
- 2) Press the [VOL+ or VOL-] button to select the item GENERAL SETTINGS.
- 3) Press the [CH+ or CH-] button to select OSD POSITION.
- 4) Press the [VOL+ or VOL- or CH+ or CH-] button to adjust the OSD POSITION.



You can set colour system.

- 1) Press the [MENU] button to enter the main menu.
- 2) Press the [VOL+ or VOL-] button to select the item GENERAL SETTINGS.
- 3) Press the [CH+ or CH-] button to select colour system, and press the [VOL+] button to enter colour system.
- 4) Press the [VOL+] button to switch among AUTO, PAL and SECAM.

OSD LANGUAGE

- 1) Press the MENU button to enter the main menu.
- 2) Press the [VOL+ or VOL-] button to select the item GENERAL SETTINGS.
- 3) Press the [CH+ or CH-] button to select OSD LANGUAGE, and press the [VOL+] button to enter the OSD LANGUAGE.
- 4) Press the [VOL+] button to select the language of OSD (on screen display).

BLANK

- 1) Press the MENU button to enter the main menu.
- 2) Press the [VOL+ or VOL-] button to select the item GENERAL SETTINGS.
- 3) Press the [CH+ or CH-] button to select BLANK.
- 4) Press the [VOL+] button to enable the BLANK.

NOTE: When you enable the blank, the screen will turn into blank screen saver mode in case of valid input signal, The screen will turn into auto screen saver mode several seconds later, and into stand-by mode 15 minutes later.

SLEEP TIMER

- 1) Press the MENU button to enter the main menu.
- 2) Press the [VOL+ or VOL-] button to select the item GENERAL SETTINGS.
- 3) Press the [CH+ or CH-] button to select SLEEP TIMER.
- 4) Press the [VOL+] button to adjust the SLEEP TIMER.

TRANSPARENCY

- 1) Press the MENU button to enter the main menu.
- 2) Press the [VOL+ or VOL-] button to select the item GENERAL SETTINGS.
- 3) Press the [CH+ or CH-] button to select TRANSPARENCY.
- 4) Press the [VOL+ or VOL-] button to adjust the value.





Using the GENERAL SETTINGS menu

DEINTERLACER

- 1) Press the MENU button to enter the main menu.
- 2) Press the [VOL+ or VOL-] button to select the item GENERAL SETTINGS.
- 3) Press the [CH+ or CH-] button to select DEINTERLACER.
- 4) Press the [VOL+] button to enter the DEINTERLACER.
- 5) Press the [CH+ or CH-] button to select the different feature.

Teletext Operations

SELECTING TELETEXT MODE

Select the channel that is broadcasting the desired Teletext program.

Press [TEXT] button and alternate between Teletext mode and normal mode.

Note: All the operations below should be executed in the Teletext mode only.

PAGE SELECTION

You can directly input your desired page number by pressing [0~9] buttons.

You can sequentially read pages by pressing [\land or \lor] button.

HOLD

Some Teletext information is contained on more than one page, the pages automatically changing after a given reading time.

Press [S-Video] button to stop the page changing.

Press [S-Video] button again to allow the page to change.

REVEAL

Some Teletext pages contain guiz or questions with hidden answers.

Press the $\begin{bmatrix} \infty/7 \\ III \end{bmatrix}$ button to see the answers.

Press the $\begin{bmatrix} \infty/\nabla \\ 1 & 1 \end{bmatrix}$ button again to hide the answers.

CANCEL

When a page is selected in Teletext mode it may take some time before it becomes available.

Press the [YPbPr] button to switch to the TV mode.

When the required page is found, the page number will appear at the top of the TV picture,

press the [YPbPr] button to return to the selected Teletext page.

Note: You can change TV program while in this mode.

SUB CODE

Some Teletext pages contain sub page that require you to input the sub code.

Press [P.mode] button until S**** is displayed, and enter four-digit sub code for the sub page you need.

MIX

You can mix Teletext with TV pictures, which means transparent teletext.

Press [Video] to mix, and press [Video] again to cancel the mixed effect...

Teletext Operations

ZOOM (Top/Bottom/Full)

Using SIZE to enable easier reading (larger display).

Press the [PC] button to display the TOP HALF of the page.

Press again to display the BOTTOM HALF of the page.

Press again to return to a FULL PAGE display.

Note: Changing pages will return to a full page display.

TIME

Time information is contained in the teletext broadcast. In Teletext mode, press [Time] to display the time.

FASTTEXT

The RED, GREEN, YELLOW & CYAN buttons are used for quick access to colour coded pages transmitted by FAST TEXT broadcast.

INDEX

Teletext index page guides you quickly to your desired page. Press [S.mode] button to enter index page.

Appendix

Cleaning and care

WARNING: Do not try to remove the cabinet back. Refer servicing to qualified service technicians.

To clean the TV screen:

- 1) Unplug the TV to avoid possible shock hazard.
- 2) Use a clean cellulose sponge or chamois cloth dampened with a solution of mild detergent and warm water to clean the TV screen and trim. Do not use too much water as water spilled into the cabinet can cause damage to the TV.
- 3) Wipe off any excess moisture with a clean dry cloth.
- 4) Polish the cabinet with a quality furniture polish to maintain the finish and appearance of the cabinet.

Caution: Never use strong solvents such as thinner, benzene, or other chemicals on or near the cabinet.

These chemicals can damage the finish of the cabinet.

Customer important notice

When the TV cannot be operated in some special situation, please unplug the power and restart.

Appendix

Troubleshooting

Before calling a service technician, please check the following table for a possible cause of the problem and some solutions.

Symptoms	Possible Solutions
TV will not turn on	Make sure the power cord is plugged in, then press [Power]. The remote control batteries may be dead. Replace the batteries.
No picture, no sound	Check if you have set the off timer. Check the antenna/cable connections. Press [Display] to see if you have select the right signal source.
No sound, picture OK	The sound may be muted. Press [VOL+] on the remote control or. The station may have broadcast difficulties. Try another channel. Check the speakers cable connections.
Poor sound, picture OK	The station may have broadcast difficulties. Try another channel Check the speakers cable connections.
Poor picture, sound OK	Check the antenna connections. The station may have broadcast difficulties. Try another channel. Adjust the picture from the menu.
Unable to select a certain channel	The channel may be skipped. See SKIP on page 9.
Poor colour or no colour	The station may have broadcast difficulties. Try another channel. Adjust the SATURATION in the menu.
The remote control does not operate	There may be an obstruction between the remote control and the remote control sensor. The batteries may be installed with a wrong polarity. The remote control batteries may be dead. Replace the batteries. Check if you have entered Teletext mode. Press [Text] to quit.
Disorder display at power on	This may be caused by too short interval between power off and on. Unplug the power and restart.

Specifications

Screen Size: 26-inch(66cm)TFT LCD TV

Native Resolution: 1280×768 Pixels(corresponding to WXGA)

Brightness: 500 cd/m2
Contrast Ratio: 600:1
Colour System: PAL/SECAM
Sound System: B/G, D/K, I, L/L'

Tuner: VHF/UHF:48.25~863.25MHz

Antenna: $75 \Omega VHF/UHF input$

Stereo: NICAM/A2

VIDEO INPUT:

SCART-1 (Video and RGB) Video: 1 Vp-p, negative sync, 75 Ω input

RGB:0.7 Vp-p, 75 Ω input

SCART-2 (Video) Video:1 Vp-p, negative sync, 75Ω input S-VIDEO Y/C separate video signal :

Y...1 Vp-p/negative sync/75 Ω input C...0.283 Vp-p/75 Ω input (NTSC) 0.3 Vp-p/75 Ω input (PAL)

Audio in Stereo audio input for SCART1 and SCART2

COMPONENT RCA, $0.7 \text{ Vp-p/}75 \Omega$ input

(480I/60Hz, 480P/60Hz, 576I/50Hz, 576P/50Hz, 720P/50Hz,

1080I/50,1080I/60Hz)

Audio in RCA Stereo audio input

PC PC

VGA 15 Pin, Analog RGB signal, $0.7Vp-p, 75 \Omega$ input

(VGA, SVGA, XGA, SXGA computer signal compatibility)

DVI 30 Pin, Digital RGB signal

(VGA, SVGA, XGA, SXGA computer signal compatibility)

provides a direct digital to digital

Audio in RCA Stereo audio input

MONITOR OUT

Audio/Video Output SCART1:CANAL+

Speaker Output 5W+5W

Power Requirement AC 100 to 240V, 50/60Hz

Power Consumption 145W

Dimensions(mm) 690(W)X570(H)X330(D)

Weight 14kg

Allowable temperature of operation environment

......0°C to 40°C

ACCESSORIES

Operating Instructions 1
Remote Control Unit 1
Power Lead 1
Dry Cell Battery 2

NOTE: Specifications and design are subject to possible modifications without notice due to improvements