

LCD TV

OWNER' S MANUAL

MODEL: ELA15T-5SW1



DVB T
Digital Video
Broadcasting

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.

Warning



WARNING:

TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER 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 to persons.



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

REGULATORY INFORMATION

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 communication. 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:

- 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 experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CAUTION:

Do not attempt to modify this product in any way without written authorization from supplier. Unauthorized modification could void the user's authority to operate this product.

Safety instructions

WARNING :

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.

2. Keep these instructions.

3. Heed all warnings.

4. Follow all instructions.



5. Do not use this apparatus near water.



6. Clean only with a dry cloth.



7. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.



8. Do not install near any heat source such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.



9. Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. Protect the power cord from being walked on or pinched particularly at plugs.



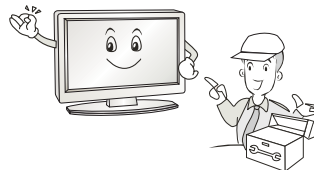
11. Only use the accessories specified by the manufacturer.

Safety instructions continued

12. Use only cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus.



14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way.



13. Unplug this apparatus during lightning storms or when unused for a long time.



Note

- If the TV is cold, there may be a small “flicker” when you turn it on.
- Avoid touching the LCD screen or holding your finger(s) against it.

CAUTION connecting the Power Cord

Do not overload wall outlets. Overloaded wall outlets could damage the TV and could result to electric shock or fire. Periodically examine the cord of your appliance; if its appearance indicates damage or deterioration, unplug it. Stop using it until you have it replaced with a cord authorized by your dealer. Protect the power cord from physical or mechanical abuse, such as being twisted, kinked or pinched.

On Disposal

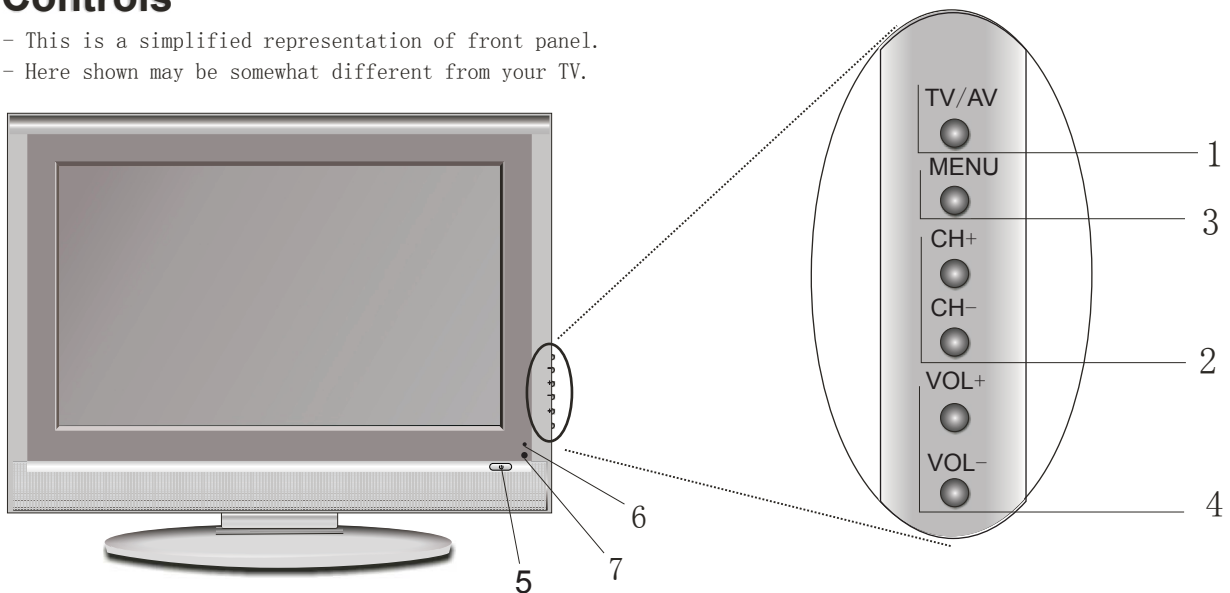
- The fluorescent lamp used in this product contains a small amount of mercury
- Disposal of this product must be carried out in accordance to the regulations of your local authority.

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Introduction Controls

- This is a simplified representation of front panel.
- Here shown may be somewhat different from your TV.



ITEM	BUTTON NAME	FUNCTION DESCRIPTION
1	TV/AV	Press to select the input source.
2	- CHANNEL +	Press to scan through channels. To scan quickly channels, press and hold down either +/-button.
3	MENU	Press to bring up the main menu to the screen.
4	- VOLUME +	Press to increase or decrease the sound level.
5	STANDBY	Switch ON the LCD TV when at standby mode or vice versa.
6	POWER INDICATOR	Show red in standby mode, show green when your TV is switched ON.
7	REMOTE SENSOR	Infrared sensor for the remote control.
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Accessories

Ensure that the following accessories are included with your TV. If any accessory is missing, please contact the dealer from where you purchased the product.



Battery



AV Cable



IB

Warranty Card



Remote Control

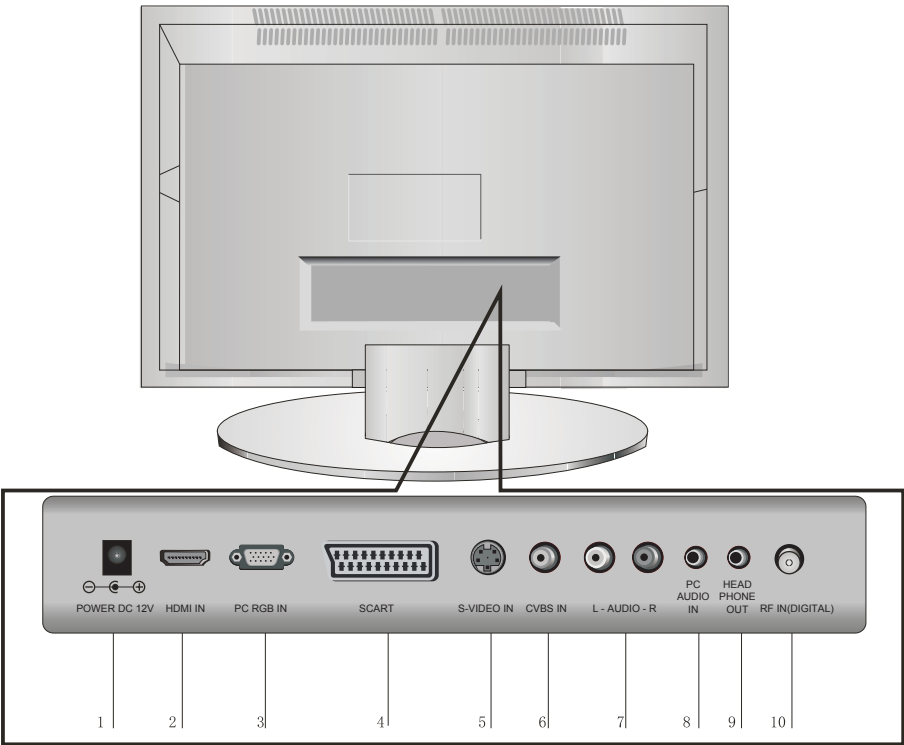


Power Cable



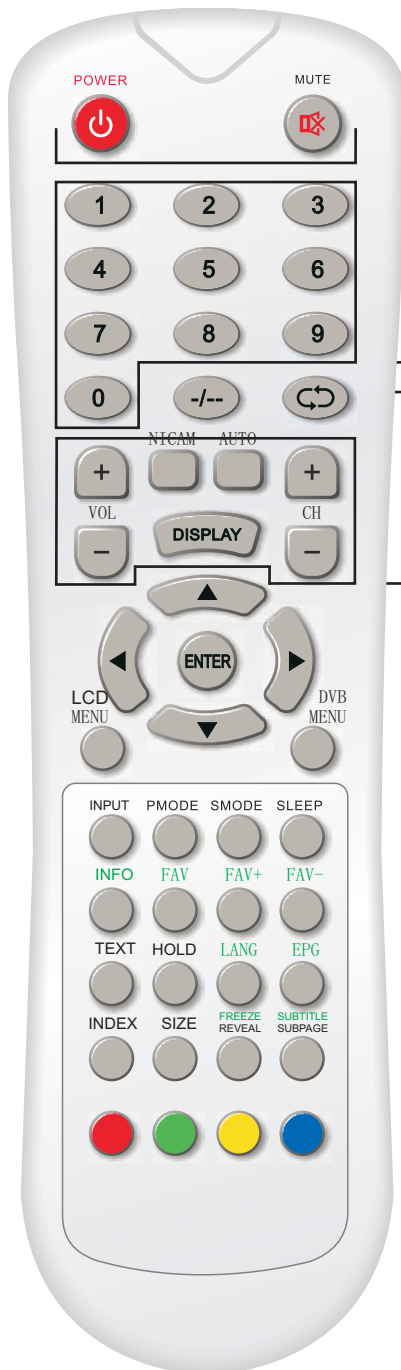
Adaptor

Connection Options



ITEM	JACK NAME	FUNCTION DESCRIPTION
1	DC 12V IN	DC input socket
2	HDMI INPUT	Connect the HDMI output jack of DVD
3	PC-RGB INPUT	Connect the PC-RGB output jack of PC
4	SCART	Connect the SCART input or output jack of DVD
5	S-VIDEO INPUT	Connect the S-VIDEO output jack of DVD or VCR
6	CVBS INPUT	Connect the Video output jack of DVD or VCR
7	AUDIO INPUT	Connect the right Audio output jack of DVD or VCR for CVBS/S-VIDEO and YPbPr
8	PC AUDIO INPUT	Connect the Audio output jack of PC
9	HEADPHONE OUT	Connect the headphone
10	TV SIGNAL IN	Connect the antenna

Remote Control Key Functions



POWER

Switch on LCD TV when at standby mode or vice versa.

MUTE

Press to mute the sound. Press again or press VOL+ to unmute.

NUMBER BUTTONS

Press 0-9 to select a TV channel directly when you are watching TV. The channel change after 2 seconds. To enter page number in teletext mode and so on

-/--

Press this button to enter a program number for multiple program channel such as 2-1, etc.



Returns to the previously viewed programme.

CH+/-

Press to scan through or to select a channel.

VOL+/-

Press to increase / decrease the sound level.

NICAM

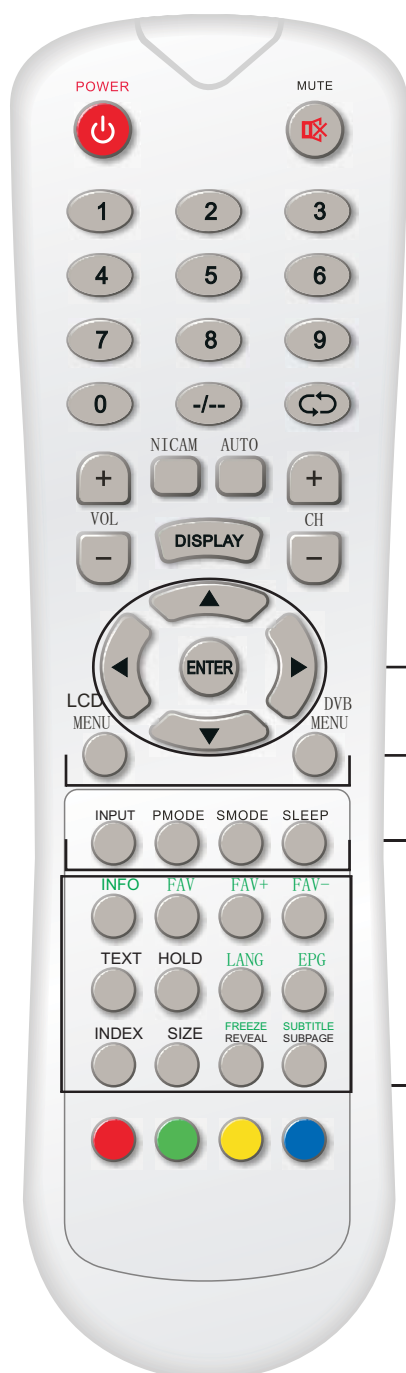
Press to select the NICAM modes.

AUTO

Press to do auto configuration directly for PC-RGB.

DISPLAY

Press to display the source and channel's information.



THUMBSTICK(▲/▼/◀/▶ / ENTER)

Allows you to navigate the on-screen menus and adjust the system settings to your preference.

LCD MENU

Brings up the ATV main menu to the screen in analogue TV mode.

DVB MENU

Brings up the DTV main menu to the screen in digital TV mode.

INPUT

Press to cycle through the input source in following:

TV → SCART → AV → S-VIDEO → PC-RGB → HDMI
 ↖ DTV ↗

PMODE

Press repeatedly to cycle through the available video picture modes: PERSONAL → STANDARD → MILD →

↖ FRESH ↗

SMODE

Press to cycle through the different sound settings:

PERSONAL → VOICE → MUSIC → THEATER.

SLEEP

Lets you select amount of time before your TV turn itself off automatically..

TEXT

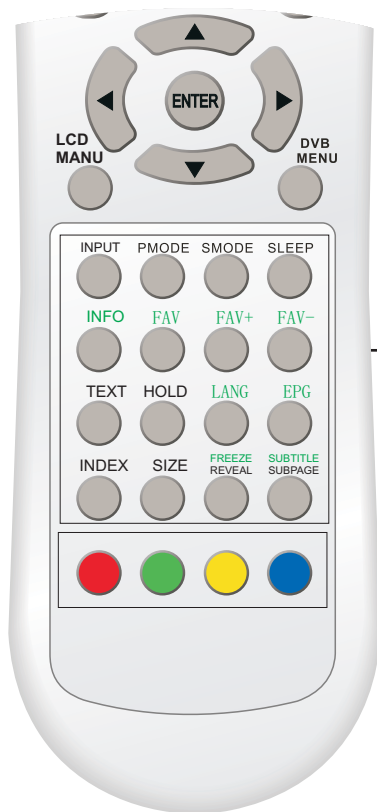
Switch On or Off the teletext mode.

HOLD

Hold On or Off for current page display.

INDEX

Request the index page.



FAV

Displays the selected favorite programers.

FAV+/FAV-

Press to select the favorite programS.

FREEZE

Press to freeze the picutre

SIZE

Change display sizse in teletext mode, and stretch display size for DTV

REVEAL

Reveal or hidden the hidden words.

SUBPAGE

Sub coded page access..

SUBTITLE

Recalls your preferred subtitle in digital mode.

EPG

Press to display the EPG menu on screen.

INFO

Displays the information of digital programers.

LANG

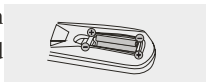
Press to select the language of the digital program.

Installing Batteries

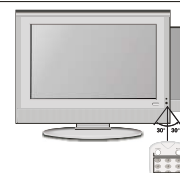
- 1 Open the battery compartment cover on the back side.



- 2 Insert two 1.5V AA size batteries in correct polarity. Dot mix old or used batteries with new ones.



- 3 Closed the cover.

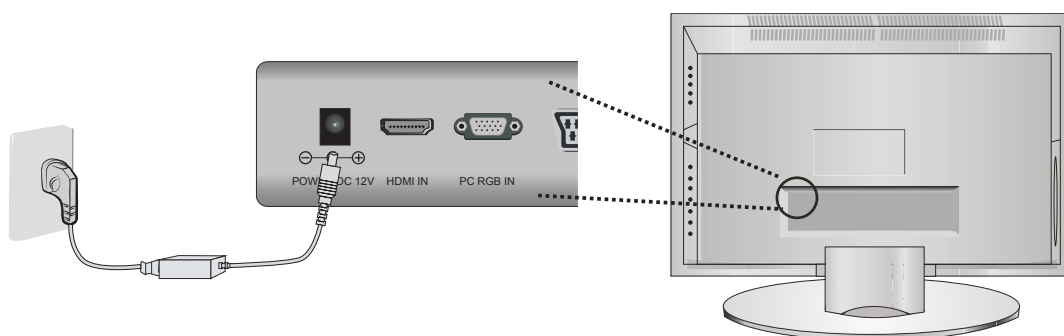


- ✦ Point the remote towards the remote control sensor of the wireless TV and use it within 7 meters.
- ✦ Put the used batteries into the recycling bin since it can negatively affect the environment.

External Equipment Connections

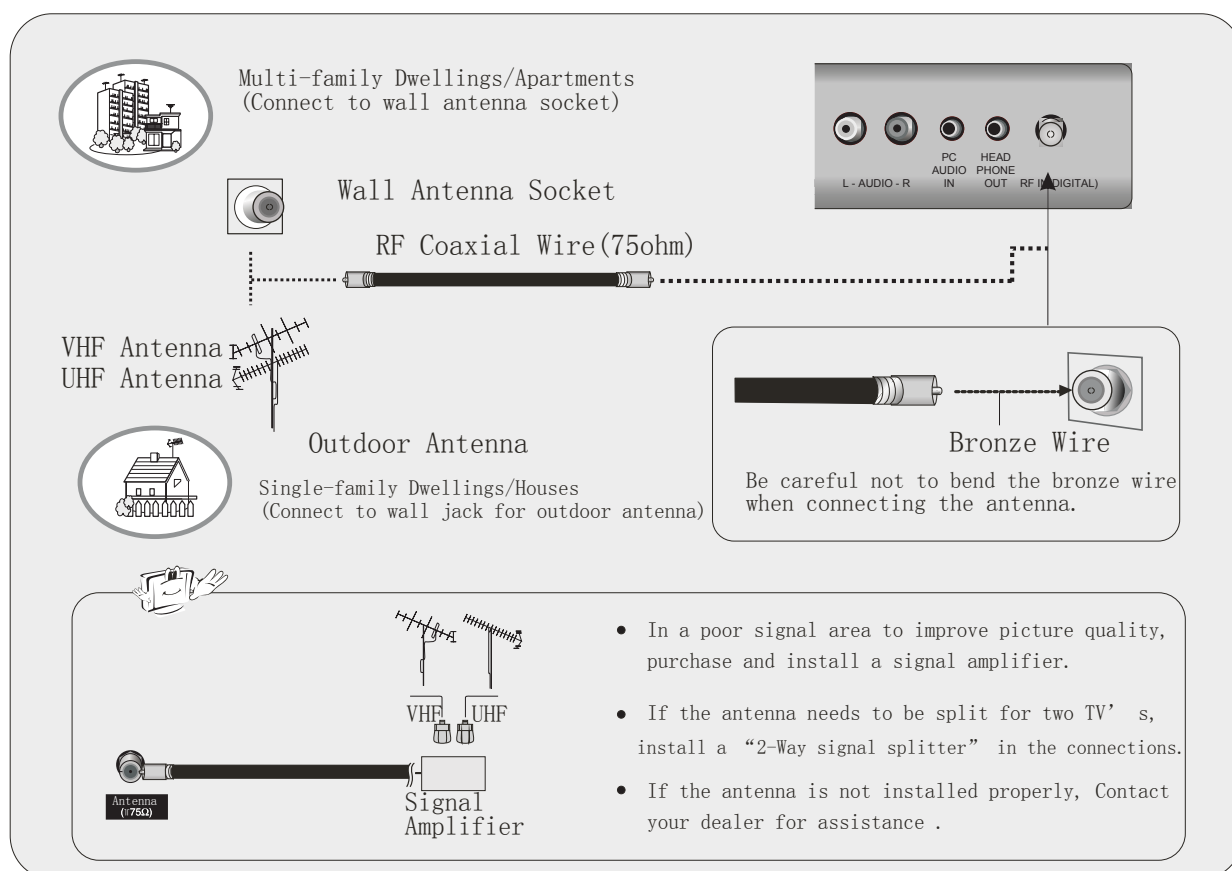
Power Cord Connection

- Connect the power cord correctly as shown.
- Press the POWER switch of your LCD to switch ON. The power indicator on the front panel lights up in green



Antenna Connection

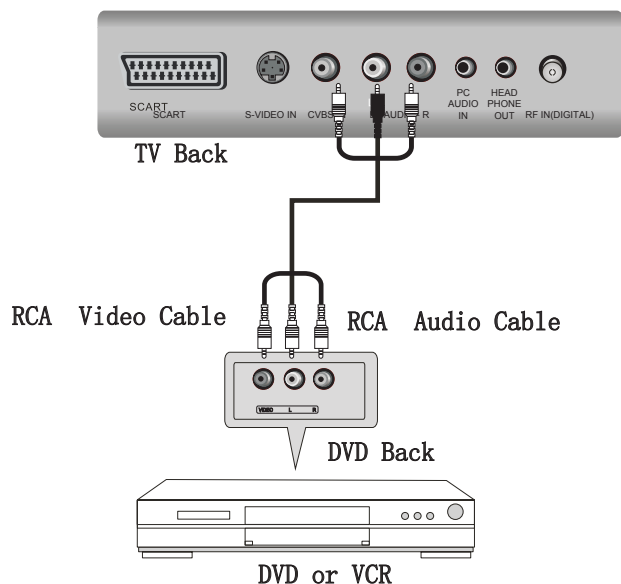
- Antenna or Cable Service without a Cable Box Connections
- For optimum picture quality, adjust antenna direction if needed.



NOTE: Before connecting any external equipment, turn OFF all main power for safety.

AV INPUT Connection

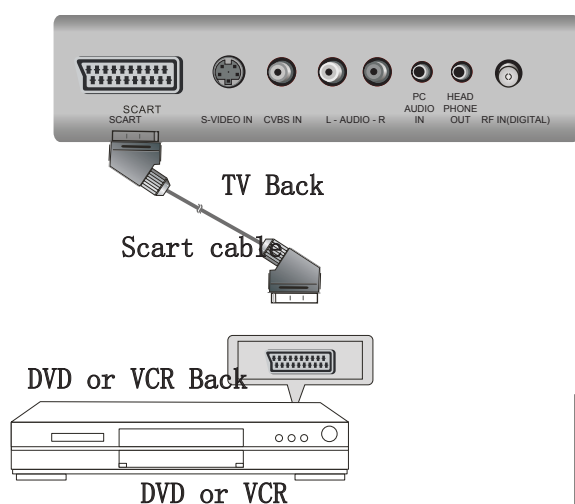
NOTE: All cables shown are not included with the TV.



- Connect the VIDEO and AUDIO output jack of the DVD or VCR to the AV IN jacks on the set with RCA cable.
- Match the jacks colors: Video=yellow, Audio left=white, and Audio right=red.
- Select the AV input source with TV/AV button.

Scart Connection

NOTE: All cables shown are not included with the TV.



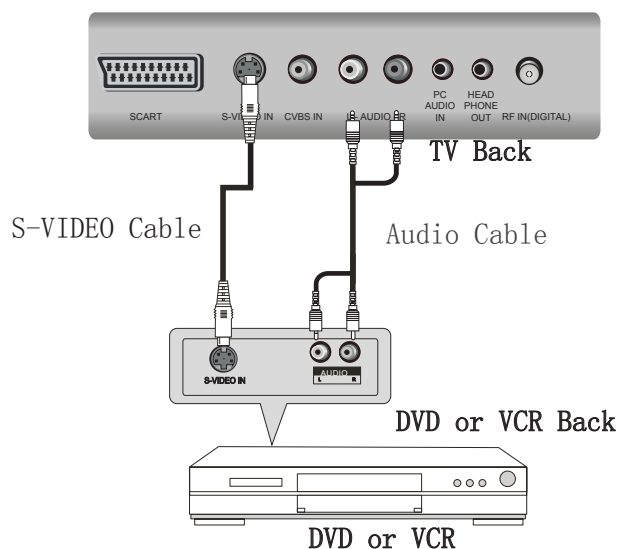
1. Connect the scart connector on the external video device to the scart connector 1 or 2 on the LCD TV using a scart cable.
 - SCART 1 connector supports full scart functions (CVBS, RGB input / output, TV out).
 - SCART 2 connector supports Y /C input and TV output.
2. Press AV / TV button on the remote control to select SCART 1 or SCART 2 which corresponds with your connection.

Input / Output specification

Connector	Input			Output		
	Y/C	RGB	AUDIO (L/R)	CVBS	TV	AUDIO (L/R)
SCART	✓	✓	✓	✓	✓	✓

S-VIDEO Connection

NOTE: All cables shown are not included with the TV.



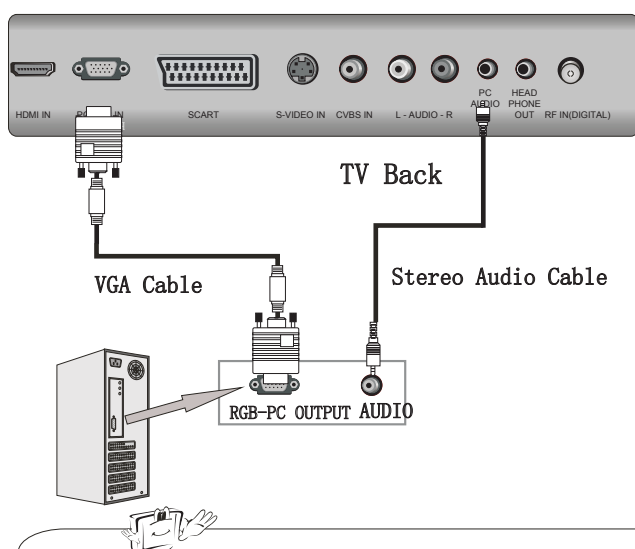
- Connect the an S-VIDEO output of the DVD or VCR to the S-VIDEO input on the set. The picture quality is improved compared to connecting a regular VCR to the video input.
- Connect the Audio output of the DVD or VCR to the Audio input jacks on the set using the RCA cable.
- Connect the Audio output of the DVD or VCR to the Audio input jacks on the set using the RCA cable.
- Insert a DVD or video tape into the DVD or VCR and press play. (Refer to the DVD or VCR owner' s manual.)
- Select S-VIDEO input source with TV/AV button..



Do not connect both VIDEO and S-VIDEO at the same time.

PC Connection

This TV has got Plug and Play capability. The TV sends configuration information (EDID) to the PC using the Video Electronics Standard Association (VESA) Display Data Channel (DDC) protocol.



- Connect the RGB output of the PC to the VGA IN jack on the set.
- Connect the PC AUDIO output of the PC to the PC AUDIO IN jack on the set.
- Turn on the PC and set.
- Select the VGA input source with TV/AV button.

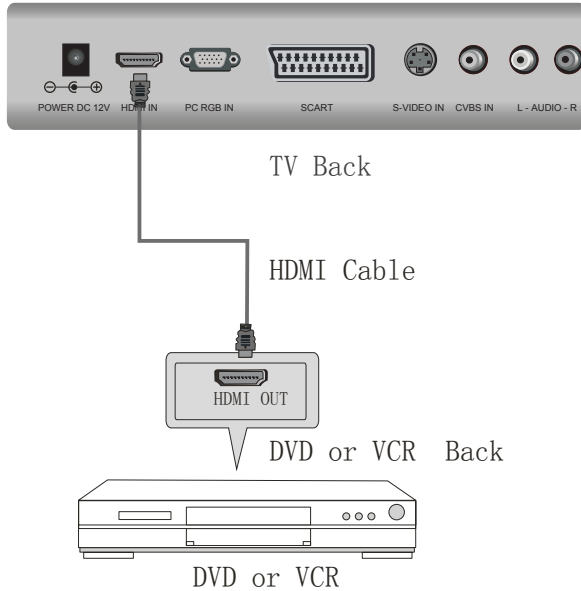
1. To get the best picture quality, adjust the PC graphics card to 1024 x 768@60Hz.
2. If using a sound card, adjust the PC sound as required.
3. Check the image on your TV, there may be noise because of the resolution, vertical pattern, contrast or brightness in PC mode. If noise is present, change the PC mode to another resolution, change the refresh rate to another rate or adjust the brightness and contrast on the menu until the picture is clear. If the refresh rate of the PC graphic card can not be changed, change the PC graphic card or consult the manufacturer of The PC.

Introduction

HDMI Connection

- HDMI (High Definition Multimedia Interface) is the first all digital consumer electronics A/V interface that supports uncompressed standard. One jack supports both video and audio information.

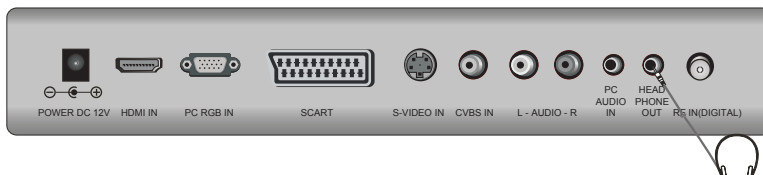
NOTE: All cables shown are not included with the TV.



- Connect HDMI output of the DVD to the HDMI input jack on the set.
- Select the HDMI input source with TV/AV button.

Headphone Connection

- You can connect a headphone to your TV if you wish to watch a TV program without disturbing people around you.
- Insert a headphone into the 3.5mm mini-jack on the set.



- NOTE:
1. Prolonged used of headphones at a high volume may damage your hearing.
 2. You will not receive the sound from speaker when you connect headphones to the system.

TV Operation


Basic operation

Turning on and off the TV

TURN ON LCD TV

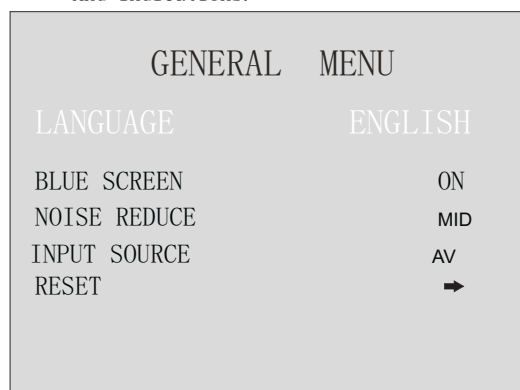
1. Connect the AC input cable to TV, then press the main power switch to switch ON LCD TV. At this time the TV will enter into standby mode and indicator shows red.
2. Using buttons can turn ON LCD TV from standby mode as follows:
 - POWER key.

TURN OFF LCD TV

1. Press POWER button or  button on the remote control to enter standby mode. The indicator is red.
2. Using main power switch turns OFF LCD TV completely.

Select on screen language

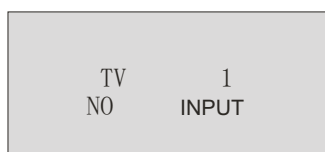
NOTE: If you use your LCD TV for the first time, you should select the language which will be used for displaying menus And indications.

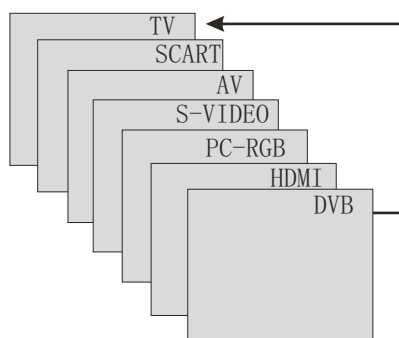


- Press MENU to display the main menu.
- Press MENU repeatedly to select the GENERAL MENU.
- Use ▲/▼ to select LANGUAGE.
- Press ◀ and ▶ button to select your language.
- When you are satisfied with your choice, press MENU or EXIT to exit.

No signal

- There is No Signal menu on screen when there is no input signal.






Volume adjustment

1. Press VOL+/- to adjust the volume.



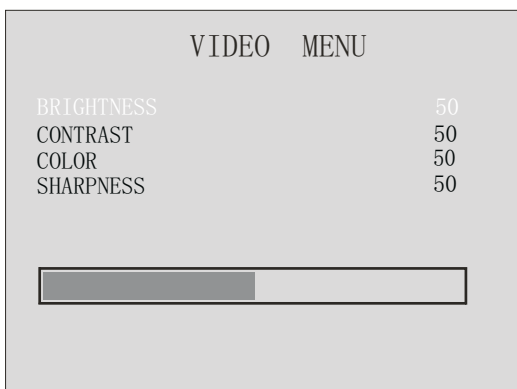
2. If you want to switch the sound OFF, press  MUTE.
3. You can cancel this function by pressing MUTE or VOL+.





VIDEO menu options





In this manual, the OSD (On Screen Display) may be different from your TV's because it is just example to help the user with the TV operation.

Press the **MENU** on the front panel or on the remote control to display the **VIDEO** menu.







1. Use  /  to select what you want to adjust in the VIDEO menu.
2. Press  and  button to adjust.
3. When you are satisfied with your adjustment, press **MENU** or **EXIT** to exit the main menu.

BRIGHTNESS

Press  /  button and then use  /  to adjust the brightness of the picture.





CONTRAST

Press  /  button and then use  /  to adjust the contrast of the picture.

COLOR

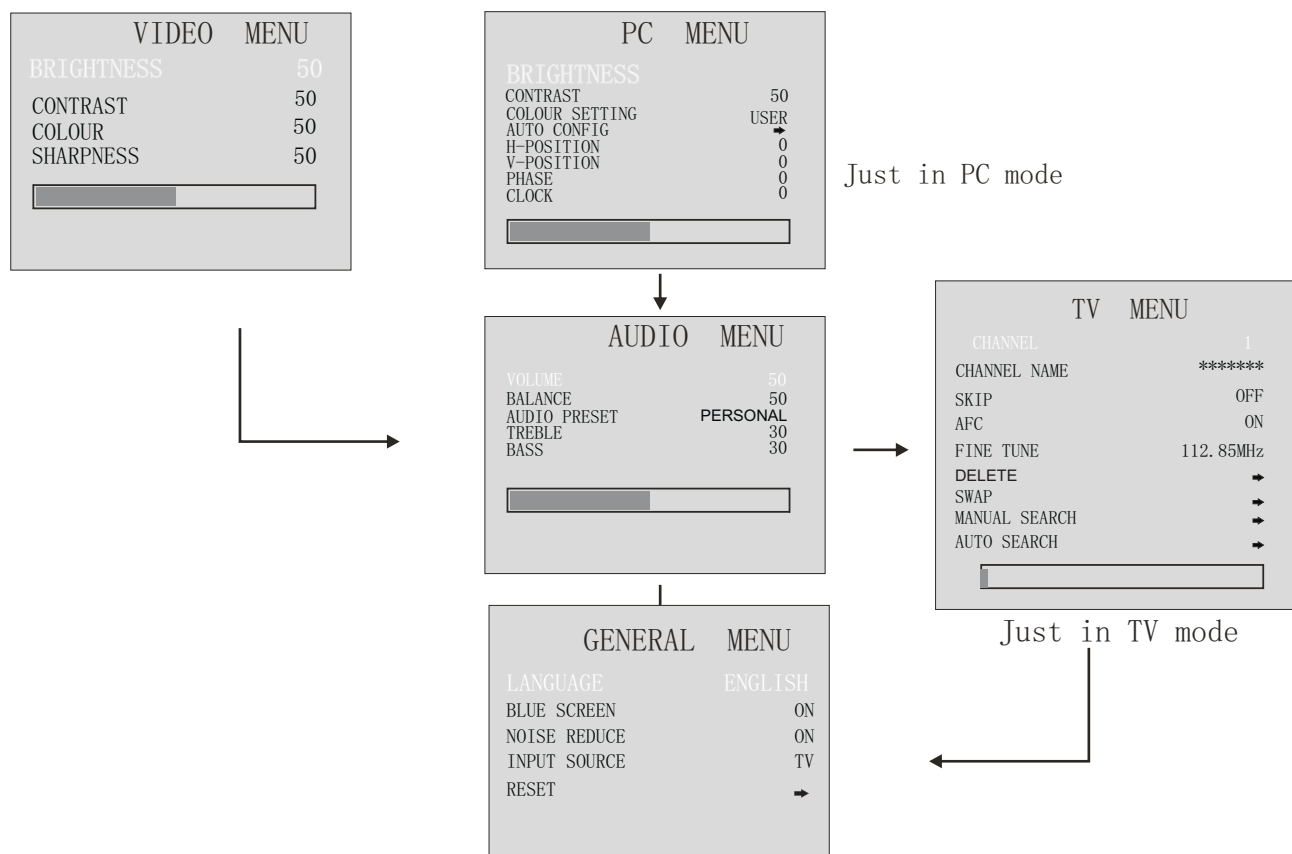
Press  /  button and then use  /  to adjust the color saturation.

SHARPNESS

Press  /  button and then use  /  to adjust the sharpness level of picture.

How to adjust the OSD screen

- Press MENU repeatedly to select each menu.
- Use▲/▼/◀/▶ buttons to display and adjust the available menus.



The OSD (On Screen Display) function enables you to adjust the screen status conveniently since it provides graphical presentation.

Choosing a TV channel

- CH+/CH- on the front panel or on the remote control.**
 - Press CH+ to increase channel number.
 - Press CH - to decrease channel number.
- 0-9 digital buttons and -/--button**

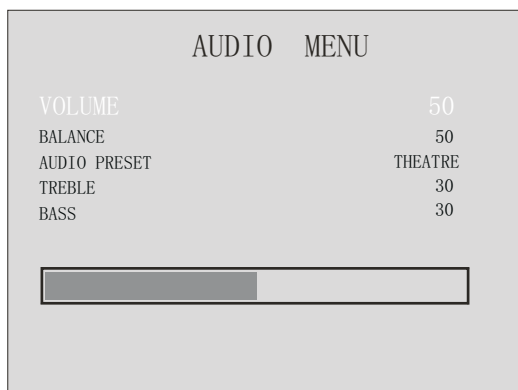
You can select the channel number by pressing 0 to 9 or -/--.
- Example:**
 - To select 1-digit channel (e.g. Channel 5): Press 5.
 - To select 2-digit channel (e.g. Channel 20): Press -/--to display -- then press 2 and 0.

Selecting input source

You can select the input source by pressing AV/TV on the remote control or on the front panel.

AUDIO menu options

Press **MENU** repeatedly on the front panel or on the remote control to display the **AUDIO** menu.



1. Use **▲/▼** to select what you want to adjust in the **AUDIO** menu.
2. Press **◀** and **▶** button to adjust.
3. When you are satisfied with your adjustment, press **MENU** or **EXIT** to exit the main menu.

VOLUME

Press **▼/▲** button and then use **◀/▶** to adjust the sound level.

BALANCE

Press **▼/▲** button and then use **◀/▶** to adjust the audio output between left and right speakers.

AUDIO PRESET

You can select the type of sounds by selecting **AUDIO PRESET** in **AUDIO** menu. The following sound effects are available: **THEATRE/ PERSONAL/ VOICE/ MUSIC**.

TREBLE

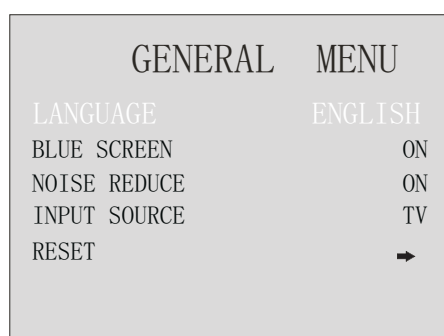
Press **▼/▲** button and then use **◀/▶** to increase or decrease the level of the higher-pitched sounds.

BASS

Press **▼/▲** button and then use **◀/▶** to increase or decrease the level of the lower-pitched sounds

GENERAL menu options

Press **MENU** repeatedly on the front panel or on the remote control to display the **GENERAL** menu.



1. Use **▲/▼** to select what you want to adjust in the **GENERAL** menu.
2. Press **◀** and **▶** button to adjust.
3. When you are satisfied with your adjustment, press **MENU** or **EXIT** to exit the main menu.

LANGUAGE

Press **▲/▼** button and then use **◀/▶** to select the language of OSD (On Screen Display).

BLUE SCREEN

Press ▲/▼ button and then use ◀/▶ to select ON or OFF to display the blue screen when no signal.

NOISE REDUCE

Press ▲/▼ button and then use ◀/▶ to select ON or OFF to reduce the noise of the picture and provide clearer picture.

INPUT SOURCE

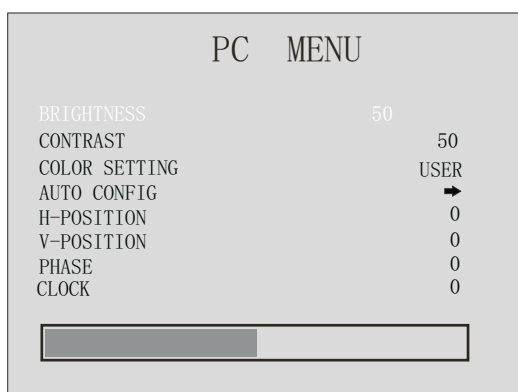
Press ▲/▼ button and then use ◀/▶ to select the input source.

RESET

Press ▲/▼ button and then use ▶ to reset settings to the factory default.

PC menu options

Press MENU on the front panel or on the remote control to display the PC menu.



1. Use ▲/▼ to select what you want to adjust in the PC menu.
2. Press ◀ and ▶ button to adjust.
3. When you are satisfied with your adjustment, press MENU or EXIT to exit the main menu.

BRIGHTNESS

Press ▼/▲ button and then use ◀/▶ to adjust the brightness of the picture.

CONTRAST

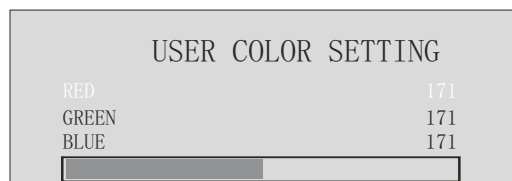
Press ▼/▲ button and then use ◀/▶ to adjust the contrast of the picture.

COLOR SETTING

- Choose one of three automatic color adjustments. Set to 6500K to enhance hotter colors such as red, or set to 9300K to see less intense colors with more blue.

- Press ▼/▲ button and then use ◀/▶ to select one of USER/9300K/6500K.

- When you select USER, a sub-menu will display, then you can use ▲ ▼ ◀ ▶ to select and adjust each item.



AUTO CONFIG

Press ▼/▲ button and then use ▶ to do auto config that automatically adjusts the available options for the best viewing configuration.

TV Operation

H-POSITION

Press ▼/▲ button and then use ◀/▶ to adjust the horizontal position of the picture.

V-POSITION

Press ▼/▲ button and then use ◀/▶ to adjust the vertical position of the picture.

PHASE

Press ▼/▲ button and then use ◀/▶ to adjust the phase of the picture.

CLOCK

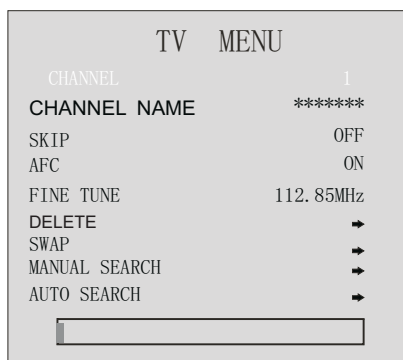
Press ▼/▲ button and then use ◀/▶ to adjust the clock of the picture.



- Phase This function allows you to remove any horizontal Noise and clear or sharpen the characters.
- Clock This function is to minimize any vertical bars or stripes Visible on the screen background. And the horizontal Screen size also will change.
- Position This function is to adjust the picture to Left/Right and Up/Down.

TV menu options

Press MENU repeatedly on the front panel or on the remote control to display the TV menu when in TV mode.



1. Use ▲/▼ to select what you want to adjust in the TV menu.
2. Press ◀ and ▶ button to adjust.
3. When you are satisfied with your adjustment, press MENU or EXIT to exit the main menu.

CHANNEL

The current program number. Press ◀ / ▶ button to select the upper or lower program.

CHANNEL NAME

Choose to reset the channel name

SKIP

Skip option allows you to skip the current channel. When set On, the program number will be skipped when you select the skipped channel with the CH+/CH- button. But you can select the skipped channel by pressing the numeric buttons directly.

AFC

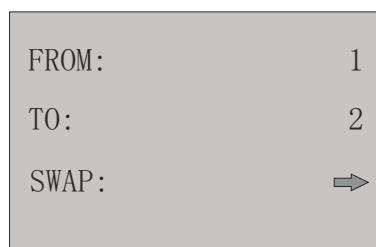
Due to weak signals or a wrong antenna configuration, some of the channels may not be turned to the best reception condition. AFC function allows you to fine tune the selected channel.

FINE TUNE

If the image received is not very good, you can press S ▲/ ▼ to select Fine Tuning item in menu. Then, press ◀ ▶ button to adjust and improve the image quality.

SWAP

- Press **▼/▲** button and then use **▶** to display SWAP menu on screen.
- Swap option allows you to swap the current channel. When set On, the program number will be swapped when you select the swapped channel with **◀/▶** button.

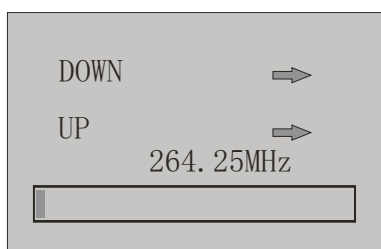


- Press **◀/▶** to select the current channel.
- Press **◀/▶** to select the swap channel.
- Press **▶** to swap the channel.

Manual Search

Manual search option allows you to preset channels one by one, in the program order of your choice.

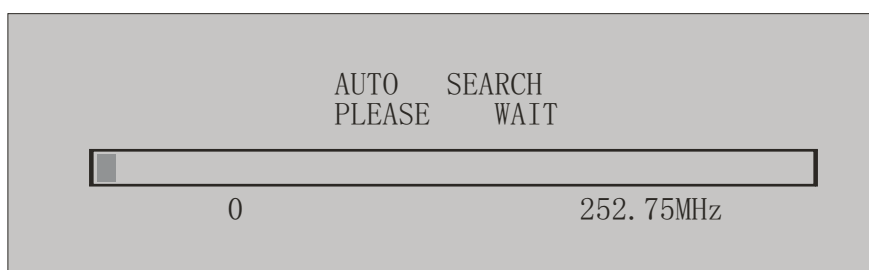
- Press **▲/▼** button to select up and down.
- Press the **◀/▶** to increase or decrease the frequency.



AUTO SEARCH

Press **▼/▲** button and then use **▶** to search stations that can be received automatically. It's recommended that you use Auto tuning during installation of this unit.

- Press **MENU** to Analogue auto search.



- During searching, you can press **MENU** or **EXIT** to stop searching at any moment, and return to the previous menu.

DVB Operation

Key Mappings and UI Dialog

Text Key

When user presses “Text” key the DVB starts MHEG-5 application. A user may still use the dialogs provided by the DVB when an MHEG service is running, in such instances the MHEG will be suspended and not visible whilst the dialog is displayed. When a user has selected DVB subtitles and attempts to start MHEG. The Reference UI will display a dialog informing then that subtitles will be switched off if they wish to start MHEG. MHEG-5 is currently broadcast in the UK only, although the functionality to support MHEG-5 is present in all versions of the DVB Solution.

Subtitle Key

The DVB provides support for DVB subtitles. Subtitles can be enabled/disabled using the “subtitle” key on the remote Control, or through dialogs provided in the configuration option of the “Main Menu”.

EPG Key

User may start the EPG application with this key. The detail on this function refers to the description of Now/Next EPG.

Recall Key

User may return the previous program or service when failing to recall the last program.

SIZE Key

In DTV mode, the TV can identify and display TV programs with size 4:3 or 16:9. It will be full-screen when receiving 4:3 program and wide-screen when receiving 16:9 program. User can change wide-screen to full-screen by pressing SIZE key, but this function only work in 16:9 program. The function to stretch the size of screen is shown by the dialog of AUTO and STRETCH.

Info Key

By pressing this key user may start the “Current Service Banner” application that provides information about the current service: When triggered an opaque dialog is overlaid on the selected service containing the following information:

- Current service name and LCN
- Current time
- Service selected type as an icon, either TV, Radio, or Information
- Channel signal strength
- Now and next programme names and start/end times
- Whether the current service can be decrypted
- Whether the current service is locked
- Multiple audio/subtitle indicator

The current service banner will be displayed until the banner was triggered by a “Info” key press, when it will remain on screen. Synopsis information for the now and next program can also be displayed using the yellow and blue remote control keys.

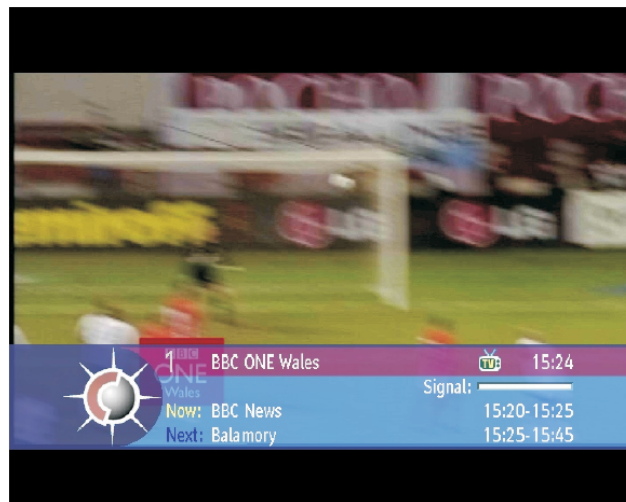


Figure 1 - Current Service Banner

The “Current Service Banner” application is also displayed as a result of various events beside on “Info” key press in Normal Viewing operation:

- After “First Time Installation”
- On power on
- Service selected has changed, and video is full screen.

After user enters “Current Service Banner” mode and press “Right” key. The dialogue should be showed like the following:

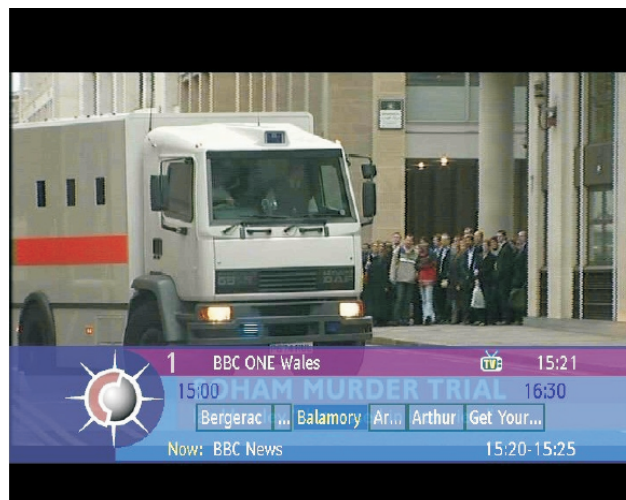


Figure 2- Banner with schedule time line

A banner with schedule time line displays the same information as a current service banner with the exception of next programmer information. Instead of next information a scrolling time line representation of schedule information is presented to the user. Users may change the time of the schedule information displayed and highlight a programmer within the time line schedule. Whilst this banner is displayed a user may change the current service, the banner will reflect this and update the information displayed for the new service. In the case when there is no schedule information available, the time line appears blank. The user may view more detail for the programmer playing now or the programmer highlighted in the schedule. The programmer detail shown includes start/end time and a description of the programmer.

Red/Green/Yellow/Blue Key

These keys are effective only combining with EPG and Extended Schedule EPG applications.

- 1.Red key **is** for selecting FAV LIST item .
- 2.Red/Green/Yellow/Blue key are for TEXT, these keys are effective only in the TEXT signal.

FAV Key

User may switch another “Favorite List” by pressing the key. The detail on “Favorite List” refers to the Favorite List mode.

FAV+/- Key

These keys are to select the favorite programs.

0-9 Key

Input the LCN to switch other program in “Normal Viewing” mode or edit the service name in “Channel List” mode. These keys are effective only combining with other applications.

Menu Key

A “Main Menu” is provided to enable the user to configure elements of the DVB-T Application. In “normal viewing” operation a user can access the “Main Menu” by pressing the “Menu” key. The “Main Menu” is hierarchically organized into Categories in order to fit on the screen.

Configurable elements of the DVB into the following categories: Channel List/ Favorites/ Now/Next EPG /Timers/ Settings

– Channel List:

A user may configure the DVB to use exclusively TV, Radio or Data services, this feature is known as Channel List Mode. A user can select a Channel List Mode using the configuration dialog; it is not permitted to select a Channel List Mode that contains no services. When the channel list mode is enabled the program up and down buttons on the remote control will only select those services in the current Channel List Mode, and all EPG’s will only show those services in the current Channel List Mode. It is still possible to select a service using the service’s RSN even if it is not a member of the currently selected Channel List Mode. Note that if the user has selected a favorites list then the Channel List Mode acts as a filter on top of the selected favorites list.

Service list configuration

The Channel List dialog in the “Main Menu” allows a user to edit the services displayed.



Figure 3 – Channel List Dialog

The Channel List dialog displays all services known to the application and provides the following features:

- Deleting of services
- Editing the name of services
- Lock services for parental control

Selecting the channel list dialog will turn off any channel list mode or favorites mode previously selected by the user.

The Channel List dialog cannot be accessed if there are no services available.

- Favourite

A favourites list enables the user to select a subset of services they consider favourite. The DVB allows the user to have up to five different favourites lists. Favourites lists are defined in the favourites dialog, which can be accessed by selecting the favourites button on the Channel List dialog and via the Main Menu. The favourites dialog contains a scrolling list of all services and a set of buttons to enable the user to toggle a service's inclusion in a favourites list. Icons indicate the services that are members of a favourites list. The currently selected service is displayed in the background of the favourites dialog.

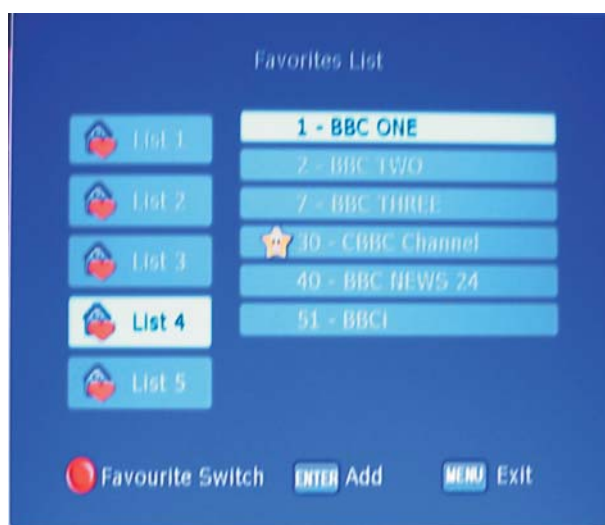


Figure 6- Now/Next Electronic Programme Guide

In this dialog the service currently selected is minimized to approximately 1/3 of the screen and displayed in the top right. A list of channels and the corresponding current and next programmes is displayed. The user can navigate up and down the list of channels and highlight either the now or next programme. Information for the highlighted programme is displayed in the box to the left of the video. This information includes the start/end time of the programme, the programme genre in brackets, and a synopsis of the programme content. A user may select a service by highlighting a program in the “now” list and pressing the “Select” key. Reminder timers can be set for the next programme on each service, a user highlights the “next” programme that they wish be reminded of and presses select. A clock icon is displayed next to those “next” programmes that have reminders set. The Now/Next Electronic Program Guide cannot be accessed if there are no services available.

Extended Schedule EPG (8 Day Electronic Programme Guide) with Timeline

Extended Schedule EPG information is presented using a timeline format either, on a banner for the current service, or as a full screen dialog showing multiple services. The timeline format uses buttons to represent a programme, each button is scaled to the length of a program and displayed in relation to a timescale that is usually shown as a title. Programmes that end at the same time as the end of a displayed timeline's range are indicated by displaying the end of that programme a few pixels before the right edge of the timeline. Whereas programmes that end some time after the range displayed by the timeline are indicated by displaying the end of the program at the very right hand edge of a timeline.



Figure 4- Full screen dialog with schedule timeline

A full screen dialog with schedule timeline presents the user with two lists and an information panel. The rightmost list displays all available services. The leftmost list displays schedule information for each service shown in the rightmost list. The schedule information is shown as timeline, each programme is represented as a button that is scaled to indicate the programme length related to the time shown on the title bar. The user may navigate around the rightmost list to highlight an individual programme. Programme information for the highlighted programme on the schedule is displayed in the information panel. The user may change the start time of the schedule information displayed for a channel by either 30 minutes or an entire day. In addition, the user may also change the total time shown by a schedule in 30 minute steps between 30 minutes and 3 hours, the default total time is 90 minutes. The feature to change the total time shown on a schedule is called zoom. In the case when there is no schedule information available for a service, a blank timeline will be shown, and the label “No Information Available” will be displayed when the service is selected. Please note that in this dialog a service must be deselected to enable Eclipse [1] to scan each channel for schedule data. The Extended Schedule Electronic Program Guide cannot be accessed if there are no services available. Timers or reminders cannot currently be set within this EPG.

Programme Reminders

A program reminder provides functionality to remind the user a programme has begun. When a programme reminder begins a dialog is displayed offering the user the option to automatically select the service that the reminder was set. Within the Now and Next Electronic Programme Guide a user may set a programme reminder for any “Next” programme displayed. Up to five programme reminders may be set at any one time. Unlike timers, programme reminders do not persist when the DVB is reset.

- Settings

There are three items in this menu: Configuration, Language and Installation.

Configuration

In this item user may set TV type, TV output, Receiver Upgrade and Parent Control options. The TV type and TV output items refer to the above.

Receiver Upgrade

The DVB will search for an OAD software update at 0300 GMT each day whilst in standby mode. A dialog will be displayed if an OAD has been detected informing the user that an OAD is taking place. The user may search for an OAD software update using an option on the menu: Settings/Configuration/ Receiver Upgrade.

Parental Control

Parental control allows individual services, the “Main Menu”, and the Installation menu to be protected by a password. Parental control is setup using the configuration dialog in the “Main Menu”.

DVB Operation

Individual services can be selected to be password protected using the channel list dialog. When a service has been password protecting it is not possible to select that channel anywhere within the DVB without entering the parental control password. The default password for parental control is “0000”. The current functionality of the DVB does not provide a factory reset “back door” for the parental control password. The user may search for a parent control using an option on the menu: Settings /Configuration/Parent Control.

Language

A languages dialog is provided as an option in which the user may set System, Audio and Subtitle Language, here the user can set the preferred and the current language of both the audio and subtitles. By setting the current language the user can choose from the languages available for a particular selected service. Here, only the languages available for the current service will be offered as an option. The preferred audio and subtitle language can be set to “English”, “Welsh”, “Gaelic”. “English” is the default-preferred language in the UK version. It is not possible to determine exactly which audio language is currently selected as an audio source may indicate that provides support for more than one language. The languages dialog also displays the current system language. The system language refers to the language used for all UI text throughout the STB-T Application. The default system language is set to “English”. The current language can also be set from the Current Service Banner when you press the left key. When multiple language options are available for either subtitles or audio on the current event the icon “I/II” will be displayed on the Current Service Banner. The user can then press the left key to display a dialog and set the current audio or subtitle language for that service. The dialog will not be displayed if there are no current language options available.

Installation

Automatic Search

Automatic search is the ability for the DVB to scan each channel for services. Automatic search can be triggered on “First Time Installation” and using an option on the “Main Menu”. Whilst performing an automatic search no service will be selected. A dialog is displayed during Automatic search that shows the progress of the scan through the channels. The user, in such cases the previous list of services is used, may cancel Automatic search. When an automatic search is complete the application will attempt to select the previously selected service and return to “normal viewing” operation. In cases where there was not a previously selected service the application will attempt to select the service with the lowest RSN. The channels scanned during Automatic search can support up to 100 Services at any one time.

Manual Search

Manual search allows the user to scan an individual channel for services. The user can perform a manual search by selecting an option on the “Main Menu”. Whilst performing a manual search no service will be selected. The user enters the channel number to be scanned; only those channels supported by the tuner may be entered. The Manual Search dialog displays a bar indicating the strength of the signal of the currently selected channel. The user can then choose to scan the selected channel for services; a separate dialog is displayed showing the services found whilst scanning are taking place. Newly discovered services are merged with the current list of services. The user, in such cases, may cancel manual Search any newly discovered services are disregarded. When a manual search is complete the application will attempt to select the previously selected service and return to “normal viewing” operation. In cases where there was not a previously selected service the application will attempt to select the service with the lowest RSN. The DVB-1000TC can support up to 100 Services at any one time.

Teletext operation

Display teletext

1. Select a TV station with a teletext signal.
2. Press the TEXT to enter teletext signal.
3. Press the TEXT, the TEXT will appear with the text page.
4. Press the TEXT again to return or exit to TV mode.

Page selection

1. Enter the page number(3 digit) using the number buttons. If you press a wrong number during input, you must complete the three digit number and then re-enter the correct page number.
2. The PGUP/PGDN can be used to select the preceding or following page.

Hold

You can press the Hold to hold a page, and press it again to release the page.

Index

Press INDEX to enter the main index page directly.

Enlarging Text

When a page is displayed, you can double the size of the text to make it easier to read.

1. Press SIZE to enlarge the top half of the page.
2. Press SIZE to again to enlarge the bottom half of the page.
3. Press SIZE once more to return to the normal display.

Reveal mode

You can display concealed teletext information (e.g. Answer to puzzles or riddles etc.) by pressing REVEAL . Press this button again to hide the information.

Subpage

Some teletext may contain several sub-pages which are automatically paged in a certain cycle by the TV station.

Supported operating modes

PC-RGB input

MODE	RESOLUTION	HORIZONTAL FREQUENCY (KHz)	VERTICAL FREQUENCY (Hz)
DOS	720X400	31.50	70.00
VGA	640X 480	31.50/37.90/37.50	60.00/72.00/75.00
SVGA	800X 600	37.90/47.20/46.90	60.00/72.00/75.00
XGA	1024X 760	48.40/56.50/60.00	60.00/70.00/75.00
SXGA	1280X 1024	64.00	60.00

HDMI input

MODE	RESOLUTION	HORIZONTAL FREQUENCY (KHz)	VERTICAL FREQUENCY (Hz)
480i	720X480	15.73	59.94/60.00
480p	720X480	31.47	59.94/60.00
576i	720X576	15.63	50.00
576p	720X576	31.26	50.00
720p	1280X720	44.96	59.94/60.00
1080i	1920X1080	28.13	50.00/60.00
1080p	1920X1080	33.75	50.00/60.00

Trouble shooting

Before contrast the service technician, perform the following simple checks. If any program still persists, unplug the LCD TV and calling for serving.

PROBLEM	POSSIBLE SOLUTION
No sound and picture	<ul style="list-style-type: none">- Check that the main plug has been connected to a wall let.- Check that you have pressed the POWER button on the front of TV set.- Check the picture contrast and brightness settings.
Normal picture but no sound	<ul style="list-style-type: none">- Check the volume.- Sound muted? Press the MUTE button.- Try another channel the problem may be with the broadcast.- Are the audio cables installed properly.
The remote control does not work	<ul style="list-style-type: none">- Check to see if there any object between the product and remote control Causing obstruction.- Are batteries installed with correct polarity(+ to +,- to -).- Correct remote operating mode set: TV, VCR etc.?- Install new batteries
Power is suddenly turned off	<ul style="list-style-type: none">- Is the sleep timer set.- Check the power control settings. Power interrupted.- No broadcast on station tuned with auto activated.
Picture appears slowly after switching on	<ul style="list-style-type: none">- This is normal, the image is muted during the product startup process. Please contact your service center, if the picture has not appeared after five minutes.
No or poor color or poor picture	<ul style="list-style-type: none">- Adjust the color in menu option.- Keep a sufficient distance between the product and the VCR.- Try another channel, the problem may be with the broadcast.- Are the VIDEO cables installed properly?- Activate the any function to restore the brightness of the picture.
Horizontal/vertical bars or picture shaking	<ul style="list-style-type: none">- Check for local interference such as an electrical appliance or power tool.
Poor reception on some channels	<ul style="list-style-type: none">- Station or cable product experiencing problems. Tune to another station.- Station signal is weak, reorient antenna to receive weaker station.- Check for sources of possible interference.
Lines or streaks in pictures	<ul style="list-style-type: none">- Check the antenna (Change the direction of the antenna).
No output from one of the speakes	<ul style="list-style-type: none">- Adjust balance in menu option.

FEATURES

Below you will find the detailed features.

Input Signal	TV	DTV System	DVB-T
		TV System	PAL-I/BG/DK、SECAM-BG/DK/L
	AV	CVBS	1.0Vp-p +/-5%
		S-VIDEO	S-Y: 1.0Vp-p +/-5%; S-C: 0.3Vp-p +/-5%
		SCART	Full SCART
		DVD YPbPr	YPbPr Video And Audio
	PC-RGB	Format	VGA, SVGA, XGA, WXGA, SXGA, WXGA+
		Color	24BIT
		H-Frequency	30—80KHz
		V-Frequency	56—75Hz
Interface	HDMI	720p,1080i	
	Audio Input	CVBS and S-VIDOE go through the same audio input channel and PC have own audio input channel.	
	Input	TV	1 IEC
		CVBS	1 RCA Jack yellow color
		PC-RGB	1 D-SUB Jack
		S-VIDEO	1 S-DIN jack black color
		SCART	1 SCART jack black color
		HDMI	1 HDMI jack
		AV audio	1 Left: RCA jack white color 1 Right: RCA jack red color
		PC audio	1 Earphone jack
	Output	Earphone out	1 Earphone jack
Power	Input	DC 12V (+/-0.6V) 40W	
	Power Manage	Low power consumable mode, Standby<2W	
Other	Amplifier	2 X 2W	
	Key definition	VOL-、VOL+、CH-、CH+、MENU、TV/AV、POWER	
	OSD language	English, French, German, Spanish, Italian, Portuguese	
	Comb Filter	2D	
	Weak Signal Enhancement、Noise Reduction		Yes
	NICAM/A2, TELETEXT, EPG, MHEG5, SUBTITLE		Yes
Dimension		Packing size: 450x220x430mm Net weight: about 3kg	
Included accessories		-Remote control with batteries (AAA x 2) -Audio/Video cable -User's manual -Guarantee card -Power cable -Adaptor	

Trouble shooting

NOTE: There is a problem in VGA mode. (Only VGA mode applied)

PROBLEM	POSSIBLE SOLUTION
The signal is out of range.	<ul style="list-style-type: none">- Adjust resolution, horizontal frequency, or vertical frequency.- Check it whether the signal cable is connected or loose.- Check the input source.
Vertical bar or stripe on back ground&Horizontal Noise&Incorrect position.	<ul style="list-style-type: none">- Work the auto configure or adjust clock, phase, or H/V position.
Screen color is unstable or single color.	<ul style="list-style-type: none">- Check the signal cable.- Reinstall the PC video card.

Maintenance

Early malfunctions can be prevented. Careful and regular cleaning can extend the amount of time you will have your new TV. Be sure to turn the power off and unplug the power cord before you begin any cleaning.

Cleaning the screen

1. Here' s a great way to keep the dust off your screen for a while. Wet a soft cloth in a mixture of lukewarm water and A little fabric softener or dish washing detergent. Wring the cloth until it' s almost dry, and then used it to wipe the screen.
2. Make sure the excess water is off the screen, and then let it air-dry before you turn on your TV.

Cleaning the cabinet

To remove dirt or dust, wipe the cabinet with a soft, dry, lint-free cloth. Please be sure not to use a wet cloth.

Extended Absence



If you expect to leave your TV dormant for a long time(such as a vacation), it's a good idea to unplug the power cord to protect against possible damage from lightning or power surges.



Instructions on environment protection

Do not dispose of this product in the usual household garbage at the end of its life cycle; hand it over at a collection point for the recycling of electrical and electronic appliances. The symbol on the product, the instructions for use or the packing will inform about the methods for disposal.

The materials are recyclable as mentioned in its marking. By recycling, material recycling or other forms of reutilization of old appliances, you are making an important contribution to protect our environment.

Please inquire at the community administration for the authorized disposal location.