The default password is 0000.

Das voreingestellte Passwort ist 0000.

La contraseña predeterminada es 0000.

La password preimpostata è 0000.

# LGB-19DZT/LGB-19DWT LGB-19DXT/LGB-19DPT/LGB-19DTT

User's manual/Benutzerhandbuch Manual del usuario/Manuale dell'utente







# **Notice**

Read this manual carefully and make sure you understand the instructions provided. For your safety, check what the result of each action will be.



**To reduce the risk of electric shock**, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel. Indicates a situation which, if not avoided, could damage the equipment or other apparatus.



**This symbol** indicates dangerous voltage inside the TV that presents a risk of electric shock or personal injury. Indicates a hazardous situation which, if not avoided, could result in serious injury.



This symbol indicates important instructions accompanying the TV.



#### Instruction about the 'WEEE' Symbol

This product should not be disposed with other household wastes at the end of its working life. Please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. This will prevent possible harm to the environment or human health from uncontrolled waste disposal.

Domestic users: Please contact either the retailer where you purchased this product or their local government office for details of where and how they can take this item for environmentally safe recycling.

Business users: Contact your supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

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## Warranty

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TruSurround XT technology is incorporated under license from SRS Labs, Inc.

Thank you for purchasing a HUMAX TV. Please read this user manual carefully in order to safely install, use and maintain the TV at maximum performance. Keep this user manual next to your TV to ensure the best performance possible.

This user manual covers the LGB-19DZT, LGB-19DWT, LGB-19DXT, LGB-19DPT and LGB-19DTT models.

The illustrations and on-screen displays in this user manual are for explanation purpose and may vary slightly from the actual operations.

# **General Safety Precautions**

#### **Power**

- Plug the power cord into the correct power outlet. An unstable connection may cause fire.
- Do not use damaged power cords or plugs, or use a loose wall outlet. This may cause electrical shock or fire.
- Do never touch the power cord with wet hands. This may cause electrical shock.
- Do not use multiple devices with one outlet. Overheating the outlet may cause fire.
- Do not bend or pull out the power cord using force, nor place heavy objects over it. This may cause electrical shock or fire.
- Make sure you pull out the power cord holding the plug itself. An internal disconnection may cause fire.
- When removing the product, turn off the power and pull out the plug from the power outlet. Also make sure other devices including the antenna or the connectors are removed from the outlets before relocating the product. Otherwise you may suffer electrical shock or fire due to a damaged power cord.
- The mains plug shall remain readily operable.
- Plug as disconnection device shall remain to be readily approached by user.

#### Installation

- Keep the product away from any heating devices. Placing it close to a heating device may cause fire.
- Keep the power cord away from any heating devices. A melted coating may cause fire or electrical shock.
- Place the antenna as far away as possible from any high-voltage cables.
   Touching the high voltage wiring may cause fire or electrical shock.
- Do not install the product in oily, smoky or humid (or exposed to rain/water) places or automobiles.
   This may cause fire.
- The connection between the external antenna and the internal wiring should be turned inside to avoid any inflow of rain. Exposing the LCD to water (rain) will cause electrical shock or fire.
- Do not use the product in humid places. Humidity will shorten the life of the product and may cause an electrical shortage or fire.
- Do not use the product in places with low temperatures (below 5°C).
- Avoid installing the product in poorly ventilated places. Internal overheating may cause an electrical shortage and fire.
- Be sure not to cover the ventilator (with a table-cloth or curtain, etc.). Internal overheating may cause an electrical shortage and fire.
- Do not install the product in an unstable place or on a small stand. The product may cause serious injury, if it falls on somebody (especially children). Install it on an even, stable place as it is front-heavy.
- Do not install the product on the floor. Someone (especially children) may trip over it.

## **General Safety Precautions**

## **Usage**

- Unplug the product from the wall outlet and do not touch the antenna during a thunderstorm. This will prevent damage to the unit due to lightning and power-surges.
- Keep dust or water away from the pins or touching points of the power plug. This will prevent electrical shock or fire.
- Keep children from climbing over the product. The device may cause serious injury or death if it falls on them.
- Do not place anything over the product that children may try to reach. The device may cause serious injury or death if it falls on them.
- When removing the battery from the product, keep it out of children's reach. If a child swallows a battery, consult a doctor immediately.
- Use only specified batteries and do not use an old battery along with a new one. Align the batteries according to the correct polarity (+ or -). Aligning them incorrectly may cause an internal explosion or a leakage of the internal liquid, leading to electrical shock, physical damage or pollution of the surroundings.
- Do not insert any metal or a flammable object or an alien substance into the ventilator, the AV input terminal or the slots for the modules or Smartcards. This may cause damage to the product and reduce its life span.
- Do not disassemble, repair or reconstruct the product at your discretion. This may cause electrical shock or fire. Contact your local customer support.
- Keep the product away from inflammable sprayers or ignitable objects. Exposure to these may cause explosion or fire.
- Do not place water-pots, flower vases, beverage cans, small metals or heavy objects over the product. Contact of these contents with the product may cause electrical shock or fire, while any falling of the product may cause injury.
- If the product breaks down, turn off the power and unplug it from the outlet before contacting Customer Support. This will protect you from electrical shock or fire.
- When you notice something strange like an odd noise, smell something burning or see smoke, unplug the power cord and contact your local Customer Support. Do this to avoid electrical shock or fire.
- Do not use sharp tools such as a pin or a pencil near the TV, as they may scratch the LCD surface.
- Do not use a solvent, such as benzene, to clean the TV, as it will damage the LCD surface.

#### Cleaning

- Unplug the power cord before cleaning the product. This may cause electrical shock or fire.
- Do not sprinkle water on the product. This may cause electrical shock or fire.
- Use only a soft dry cloth as the surface is weak on scratch. Do not use chemicals like wax, benzene, alcohol, thinners, aroma, lubricator or cleanser.

# Contents

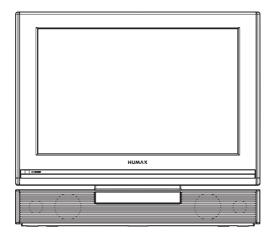
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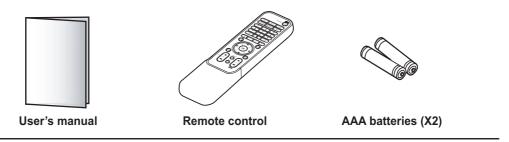
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Here the shown illustration is LGB-19DZT model and may be somewhat different from your TV.

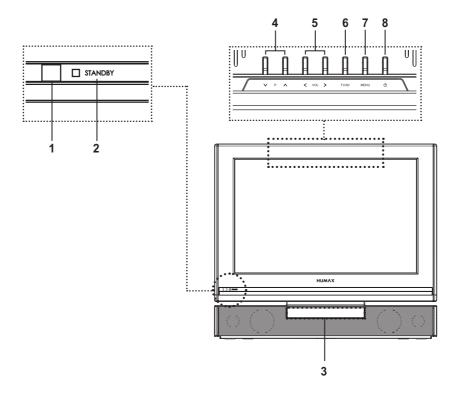
# **Package Contents**



LCD TV



# **Front & Top Panel**



### 1 Remote control sensor

Receives commands directly from your remote control and passes them on.

## 2 Standby indicator

Turns on blue during the Standby mode.

# **3 VFD (Vacuum Fluorescent Display)** ----- (except LGB-19DTT) Used for the radio channels.

4 ∨ P ∧ buttons Selects channels.

## 5 < VOL > buttons Adjusts the volume.

## 6 TV/AV button

Displays input source.

## 7 MENU button

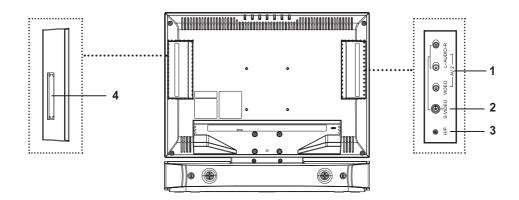
Displays the on-screen menu.

#### 8 Standby button

Switches between operation and standby modes.

# **Rear & Side Panel**

# Side Panel



## 1 AV2 (CVBS) INPUT

Connects to the audio and video output jacks of a camcorder, videogame and similar devices.

#### 2 S-VIDEO INPUT

Connects to the S-Video jack of a camcorder, video game console, and similar devices.

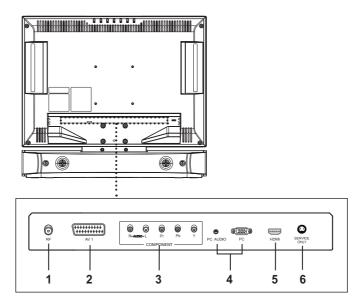
## 3 H/P (Headphones)

Connects to headphones.

## 4 CI (Common Interface) SLOT

A slot for a CI Module.

## Rear Panel



#### 1 RF INPUT

Connects to an antenna or a cable system.

#### 2 AV1 (SCART) INPUT

Inputs or Outputs for external devices, such as VCR, DVD, video game console or video disc players.

#### 3 COMPONENT INPUT

Connects to Video (Y/Pb/Pr) and audio (L/R) components.

### 4 PC INPUT/PC AUDIO INPUT

Connect to the video and audio output jacks on your PC.

#### 5 HDMI INPUT

Receives uncompressed digital audio and video signals from the device that supports High Definition Multi-media Interface (HDMI).

## 6 SERVICE ONLY (RS232C)

Connects to the PC to update the software of the TV.

# **Remote Control Buttons**

#### TV/AV

Displays all available input sources. Press the ▲/▼ button to select a required input source.

#### MUTE

Mutes the sound. To cancel, press the MUTE, VOL+, or VOL- button.

#### SIFFD

Selects a preset time interval for switching the TV to standby mode automatically.

#### PIC MODE

Selects the picture mode (Standard, Dynamic, Movie, Mild, or User).

#### **SND EFFECT**

Selects the sound effect (Flat, Speech, Movie, Music, or User).

#### WIDE

Select the aspect ratio (Auto, 4:3, 14:9, Full or Zoom).

#### **Coloured Buttons**

Used for interactive applications in the EPG, Edit Channels and Teletext mode.

#### **EPG**

Displays the Electronic Programme Guide (EPG) in Digital TV input.

### BACK

Returns to the previous display.

#### MENU

Displays the On Screen Display (OSD) menu.

#### **EXIT**

Exits from the currently displayed menu.

#### Arrow (▲/▼/◄/▶) buttons

Controls the selection in the On Screen Display (OSD) menu.

#### OK

Confirms (save or enter) your choice in the On Screen Display (OSD) menu.

## VOL+/-

Adjusts the volume.

#### P+/- (Page)

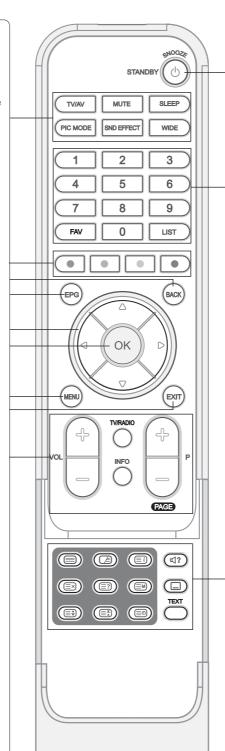
Switches channels or pages.

#### TV/RADIO

Switches between digital TV and radio modes.

#### INFO

Displays information on the current channel or input.



#### **STANDBY**

Puts your TV in standby mode.

#### **SNOOZE**

Switch into the standby mode momentarily.

#### Number (0~9) buttons

Enters the channel number for direct display. Used to enter digit numbers.

#### FAV

In Analog TV input mode, switches to a favourite channel. Circulates through favourite channels in sequent order while watching TV. In Digital TV input mode, display the favourite channel list.

#### LIST

Displays the channel list.

#### **TELETEXT Function Buttons**

#### (Teletext On/Off)

Activates or deactivates the teletext service.

#### (Mix)

Overlaps the teletext with the broadcasting screen.
Adjusts the opacity to the

Adjusts the opacity to the background in Teletext mode.

#### (Index)

Displays the teletext index page.

#### (Cancel)

Displays the TV programme when searching for the new teletext page.

#### (Reveal)

Shows the hidden information.

#### (Mode)

Selects the teletext mode (LIST/FLOF)

#### (Size) (≡

Displays the double-size letters.

## (Hold)

Holds the current teletext page not updating it.

## (Time)

Display the current time at the top right hand corner of the screen.

#### ⊲? (SOUNDTRACK)

Selects the sound mode (Stereo/ Mono) in Analog TV input or the soundtrack list in Digital TV input.

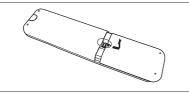
#### (Subtitle)

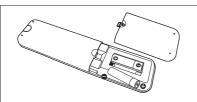
Displays the subtitle language list in Digital TV input.

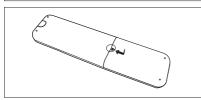
#### **TEXT**

Shows MHEG (digital teletext information)

## Chapter 1 >> Getting Started







## Inserting Batteries into the Remote Control

You must insert or replace the batteries in the remote control when:

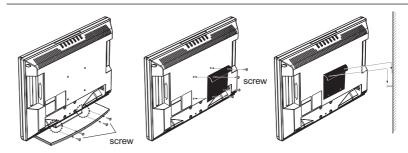
- + You just purchased TV
- + Remote control does not work
- 1 Remove the cover on the rear of the remote control by pressing the symbol (▼) downwards and then pulling firmly to remove it.
- 2 Insert two AAA size 1.5V batteries ensuring that the plus(+) and minus(-) signs of the batteries are correctly aligned.
- 3 Close the cover.

Note: Do not mix different battery types such as alkaline with manganese.

# **Installing on the Wall**

You can install the TV on the wall using a mounting bracket (sold separately).

**TIP:** This Television is compliant with the VESA wall mounting standard. A variety of Mounts are available through your local retailer. Each may have its unique installation instructions.



Here the shown illustration are for explanation purpose and may be somewhat different depending on the type of mounts.

- 1 Before you install, then separate the TV and stand-base by removing the screws.
- **2** Attach your main body bracket on the TV and fix using screws firmly.
- 3 Stick the TV with main body bracket into the wall bracket attached on the wall.
- 4 Tighten up a safety-screw.

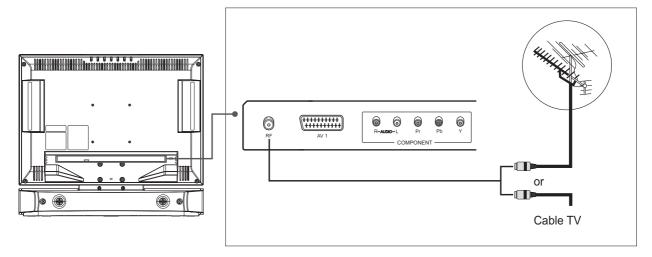
#### Notes:

- 1. Please ask the installers to install the wall mount bracket.
- 2. Do not install the set on a weak surface such as plaster or foam board.
- **3.** Please tightly secure the wall mount bracket to the wall to avoid injury from a falling TV.

Here the shown illustration is LGB-19DZT model and may be somewhat different from your TV.

# **Connecting to an Aerial or a Cable TV**

To view the television channels correctly, a signal must be received by the broadcasting provider.



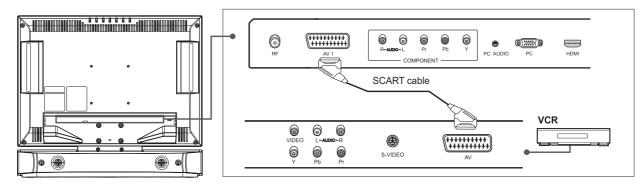
- 1 Connect the RF coaxial cable from an aerial or a cable TV to the RF jack on the rear of the TV.
- 2 Turn on the TV, and then press the TV/AV button to select Digital TV or Analog TV.

#### Notes:

- **1.** To receive an optimal signal, it is recommended that you use a 75 ohm IEC-type coaxial cable.
- **2.** For proper reception of signals, an external antenna is required. For best reception, an outdoor antenna is recommended.
- **3.** To improve the picture quality in a poor signal area, please purchase a signal amplifier and install properly.

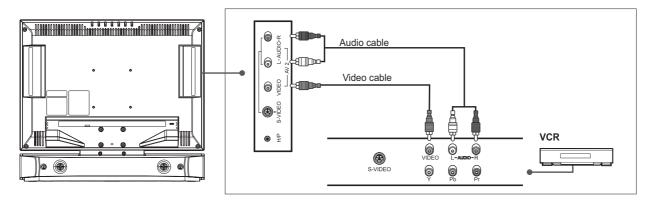
# **Connecting to the VCR**

# Using the SCART Cable



- 1 Connect the SCART cable between the AV1 jack on TV and the SCART jack on your VCR.
- 2 Turn on the TV, and then press the TV/AV button to select AV1.
- 3 Turn on your VCR, then insert a video cassette into the VCR and press the PLAY button on your VCR. (Refer to the VCR owner's manual)

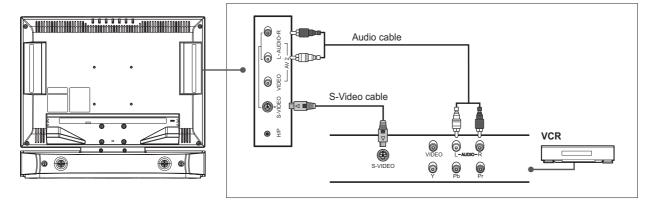
# Using the Audio/Video (Composite) Cable



- 1 Connect the video cable between the VIDEO (AV2) input jack on TV and the video output jack on your VCR.
- 2 Connect the audio cable between the AUDIO-L/R (AV2) input jacks on TV and the audio output jacks on your VCR.
- **3** Turn on the TV, and then press the **TV/AV** button to select **AV2**.
- 4 Turn on your VCR, then insert a video cassette into the VCR and press the **PLAY** button on the VCR. (Refer to the VCR owner's manual)

# Using the Audio/S-Video Cable

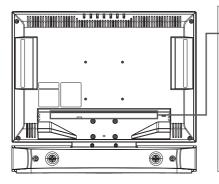
S-Video carries the video data as two separate signals (brightness and colour), unlike composite video which carries the entire set of signals in one package. S-Video does not carry audio. Hence, a separate audio connection is required.

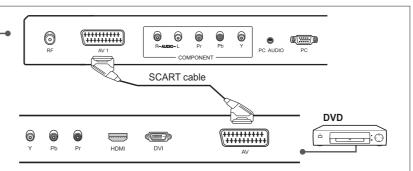


- 1 Connect the S-Video cable between the S-VIDEO input jack on TV and the S-Video output jack on your VCR.
- 2 Connect the audio cable between the AUDIO-L/R (AV2) input jacks on TV and the audio output jacks on your VCR.
- **3** Turn on the TV, and then press the **TV/AV** button to select **S-Video**.
- 4 Turn on your VCR, then insert a video cassette into the VCR and press the **PLAY** button on your VCR. (Refer to the VCR owner's manual)

# **Connecting to the DVD Player**

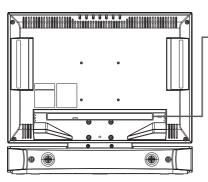
# Using the SCART Cable

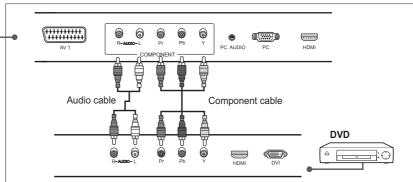




- 1 Connect the SCART cable between the AV1 jack on TV and the SCART jack on your DVD player.
- 2 Turn on the TV, and then press the TV/AV button to select AV1.
- 3 Turn on your DVD player, and then insert a DVD into the DVD player and press the PLAY button on your DVD player. (Refer to the DVD player owner's manual)

# Using the Audio/Component Video Cable





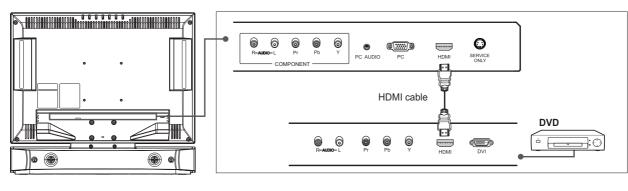
- Connect the component video cables between the COMPONENT VIDEO

   Y/Pb/Pr input jacks on TV and the component video output jacks on your DVD player.
- 2 Connect the audio cable between the AUDIO-L/R (for COMPONENT) input jacks on TV and the audio output jacks on your DVD player.
- 3 Turn on the TV, and then press the TV/AV button to select Component.
- 4 Turn on your DVD player, then insert a DVD into the DVD player and press the PLAY button on your DVD player. (Refer to the DVD player owner's manual)

**Note:** Depending on the manufacturer, the Y/Pb/Pr jacks may be identified as  $Y/P_B/P_R$ , Y/B-Y/R-Y or  $Y/C_B/C_R$ .

# Using the HDMI Cable

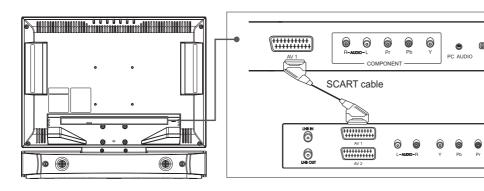
High-Definition Multimedia Interface (HDMI) is the leading new standard for Digital video and audio interconnection.



- 1 Connect the HDMI cable between the HDMI input jack on TV and the HDMI output jack on your DVD player.
- 2 Turn on the TV, and then press the TV/AV button to select HDMI.
- 3 Turn on your DVD player, then insert a DVD into the DVD player and press the PLAY button on your DVD player. (Refer to the DVD player owner's manual)

# **Connecting to the Set-Top Box**

# Using the SCART cable



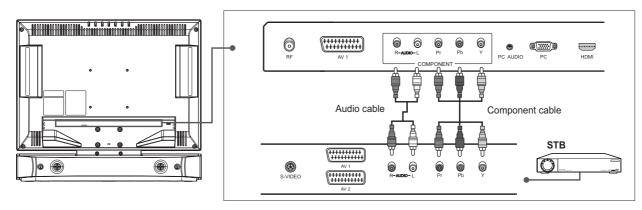
1 Connect the SCART cable between the AV1 jack on TV and the SCART jack on your STB.

0

STB

- 2 Turn on the TV, and then press the TV/AV button to select AV1.
- 3 Turn on your STB. (Refer to the STB owner's manual)

# Using the Audio/Component Video Cable



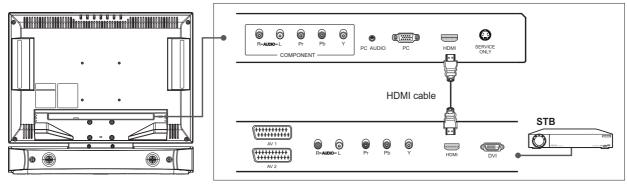
- Connect the component video cables between the COMPONENT VIDEO

   Y/Pb/Pr input jacks on TV and the component video output jacks on your STB.
- **2** Connect the audio cable between the **AUDIO-L/R** (for COMPONENT) input jacks on TV and the audio output jacks on your STB.
- **3** Turn on the TV, and then press the **TV/AV** button to select **Component**.
- 4 Turn on your STB. (Refer to the STB owner's manual)

**Note:** Depending on the manufacturer, the Y/Pb/Pr jacks may be identified as  $Y/P_B/P_R$ , Y/B-Y/R-Y or  $Y/C_B/C_R$ .

# Using the HDMI Cable

High-Definition Multimedia Interface (HDMI) is the leading new standard for Digital video and audio interconnection.



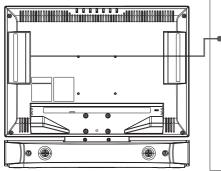
- 1 Connect the HDMI cable between the HDMI input jack on TV and the HDMI output jack on your STB.
- 2 Turn on the TV, and then press the TV/AV button to select HDMI.
- 3 Turn on your STB. (Refer to the STB owner's manual)

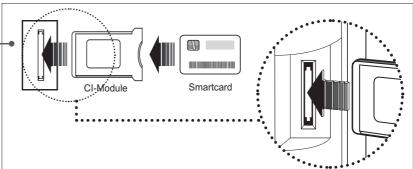
# Conditonal Access System (for the digital channels only)

Conditional Access System (CAS) is a technology used to control access to digital television (DTV) services to authorised users by encrypting the transmitted programming.

## Inserting a CI Module (with Smartcard)

CI Module looks like a PC Card (called PCMCIA) for laptops. There are different kinds of CI Modules, suitable for different coding systems.



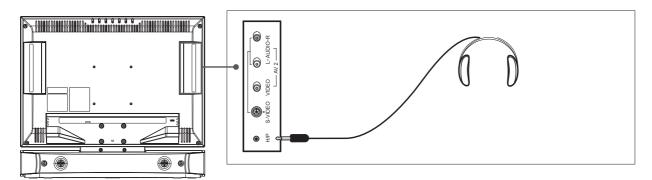


- 1 Follow the instructions of the module and insert the Smartcard into the Common Interface (CI) module.
- 2 Keep the CI module(with the Smartcard) vertically.
- 3 Insert the CI module completely into the slot.

**Note:** Ensure the Smartcard or CI module is inserted in the right direction. Inserting in the wrong direction may cause damage to the Smartcard or CI module.

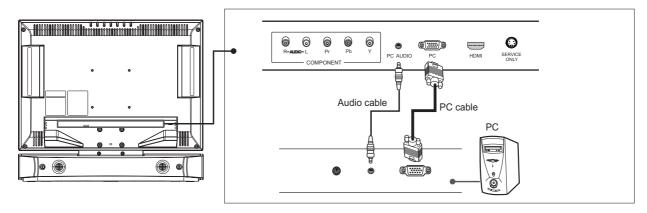
# **Connecting Headphones**

Connect a set of headphones to **H/P** jack on TV if you want to watch a television programme without disturbing other people close to you.



**Note:** Prolonged use of headphones at a high volume may cause health damage on your ears.

# **Connecting to the PC**



- 1 Connect the PC cable between the PC jack on TV and the PC output jack on your PC.
- 2 Connect the audio cable between the PC AUDIO jack on TV and the audio output jack on your PC.
- 3 Turn on the TV, and then press the TV/AV button to select PC.

## **Supported Display Resolution (PC)**

Mode	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
	640 x 480 800 x 600	31.5 37.9	60 60
VESA	1024 x 768	48.4	60
	1280 x 768	47.8	60
	1360 x 768	47.7	60

# **Running Initial Setup Wizard**



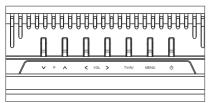


When you turn on your TV for the first time after purchase or perform the default setting, the initial setup wizard will appear automatically. You can easily setup the available analog and digital channels using the wizard.

- 1 Select the language of your choice using the **◄/▶** button. The On Screen Display (OSD) menu will be shown in the selected language.
- 2 Select Country using the ▲/▼ button.
- 3 Select the country where you are now located using the **◄/▶** button.
- Select Channel Search using the ▲/▼ button and press the OK button. It starts to scan channels. First scans analog and then digital channels. The scanned channels are automatically saved in order. To stop scanning channels, press the BACK button.
- 5 After the channel scanning completes, press the BACK button to exit search. The first scanned digital channel, if only, will be automatically displayed.

**Note:** If you do not want to setup the channels at this time, you can setup it later using the **Channel** menu.

# **Turning on Your TV**





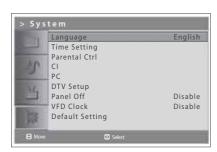
- Connect the power cord on TV to the wall outlet. The standby indicator lights up.
- 2 Press the **STANDBY** button on your remote control (or on the top of your TV) to turn on the TV.

Note: To set your TV in standby mode, press the **STANDBY** button again on the remote control or ((b)) on the top of your TV. It saves the electric usage when you want to stop watching TV temporarily (during a meal, for example).

**3** To turn off the TV, disconnect the power cord.

**Note:** Do not leave your TV in standby mode for too long (on holiday, for example). Turn off the TV by disconnecting the power cord.

# **Selecting the Menu Language**



You can select the language for displaying menus and indications.

- 1 Press the MENU button.
- 2 Select System using the ▲/▼ button and press the OK or ▶ button.
- 3 Select the language of your choice using the ◄/▶ button. The On Screen Display (OSD) menu will be shown in the selected language.
- 4 Press **EXIT** button to return to Live TV or press the **BACK** button to return to the previous menu.

# **Selecting the Main Input Source**



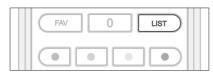


Once you have connected your various audio and video systems, you can view different sources by selecting input sources.

- 1 Press the TV/AV button.
- 2 Select the main input among the sources below using the ▲ or ▼ button.

  Digital TV > Analog TV > AV1 > AV2 > S-Video > Component > PC > HDMI
- 3 Press the OK button.
- 4 In addition, press the TV/RADIO button to switch to digital TV from different sources.

# **Viewing Channel List**



▼ Analog channel list



▼ Digital channel list



You can view the list of all analog and digital channels using the **LIST** button and switch to other channels on the channel list.

Analog channel list appears only in **Analog TV** input mode and digital channel list appears only in **Digital TV** input mode.

- 1 Press the **LIST** button while watching the analog or digital channels.
- 2 To change the channel in analog or digital channel list, select your desired channel using the ▲/▼ button and press the OK button. The selected channel is displayed.

#### Notes:

- Within the digital channel list, press the P+/- (Page) button to move to the next or previous page.
- 2. Within the digital channel list, you can move to your desired channel directly by entering the channel number using **NUMBER (0~9)** button.

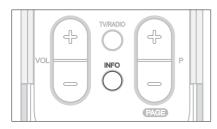
#### **Changing Digital Channel List Group**

You can select digital channel list by group.

- 1 Press the ▶ button in digital channel list to view the group list.
- 2 Select your desired channel group using the ▲/▼ button to display its subgroups and press the **OK** or ▶ button.
- 3 Select your desired sub-group using the ▲/▼ button and press the OK button.
- 4 The channel list for the selected sub-group is displayed.

**Note:** The sub-group of favourite channel list may exist or not depending on your configuration.

# **Displaying Information**



#### ▼ General Information



#### ▼ Detailed Information





# Programme Information (for digital channels only)

Programme information is always displayed for a specific period of time whenever you switch digital channels. You can view the information by pressing the **OK** or **INFO** button while watching a digital programme.

Programme information is available only for digital channels.

The Programme Information is displayed at the bottom of the screen as followings.



- 1 Channel number and channel name
- 2 Current time
- Detail programme information: displayed if detailed programme information is provided. Press the **INFO** button again to display the detailed information.
- 4 Programme name
- 5 Programme broadcasting time and progress bar
- 6 Channel list name
- 7 Icons

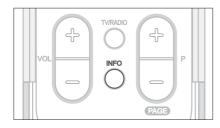
首	Displayed when the channel supports data channel.
<b>E</b>	Displayed only if this programme is reserved.
13	Represents the recommended minimum age for the current programme.
	Displayed only when the channel is a locked channel.
	Displayed only when the channel is a scrambled channel.
	Displayed only when subtitle information is available.
	Displayed only when there is any teletext information.

8 Next programme Information: displayed if next programme information is provided. Press the ▶ button to display the next programme information.

#### Notes:

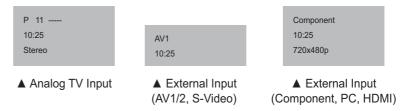
- **1.** If there is no available programme information, programme information is not displayed.
- 2. Press the INFO button again to hide the information box.
- 3. If the detailed programme information is more than one page, use ▲/▼ button to move to the previous or next page.

# **Chapter 4 >> Basic Operation**



# Simple Information

You can view the information such as the channel number (or input source), current time and sound mode (or source resolution) by pressing the **INFO** button while watching an analog TV channel or external input source.



**Note:** Whenever you switch channels, this information is displayed for 2 seconds.

# **Digital Programme Features**

(for digital channels only)

These functions are available only for digital channels.

# **Displaying Digital Teletext (MHEG)**

If your chosen channel has teletext (MHEG) features, you can access them. Teletext services often load automatically shortly after the Digital Teletext window is displayed. In which case, simply follow the given instructions(press color buttons).



- Press the **TEXT** button to access teletext(MHEG) features.
- Press the **TEXT** button again to return to normal viewing.
- Press the P+/- button to exit this service.

Note: You should select Off from the subtitle language to display teletext(MHEG).

# **Changing Subtitle Language**



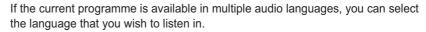


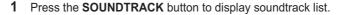
- If the current programme provides Subtitle information, you can select the language for the Subtitle.
- Press the **SUBTITLE** button to display the subtitle language list.



- Select your desired subtitle language using the ▲/▼ button, and press the **OK** button. Then the subtitle will be displayed in the selected language at the bottom of the screen.
- Select Off from the subtitle language list if you do not wish to display subtitles in the screen.

# **Changing Audio Options**





- Select your desired audio language using the ▲/▼ and **OK** button to change the audio soundtrack.
- Select Audio preference(left, right, stereo) using the **◄/▶** buttons, and press the **OK** button.
- Press the **EXIT** or **SOUNDTRACK** button to exit the soundtrack list.





The Electronic Programme Guide (EPG) displays programme information about each digital channel, based on the date and time. You can also schedule your watching using the information given.

Electronic Programme Guide (EPG) is available only for digital channels.

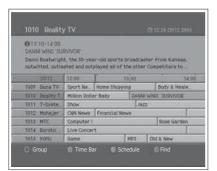
Note: Press the EPG or EXIT button to exit the EPG screen.

# Viewing the Electronic Programme Guide(EPG)



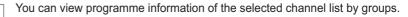
You can view programme information for all digital channels.

- 1 Press the EPG button.
- 2 Move to previous or next programme within the same channel using the ◄/▶ button.



- 3 Move to another channel using the ▲/▼ button. If there are multiple channels, use the P+/- (Page) button to move to channels by page. Also, you can enter the channel number using the NUMBER(0-9) buttons on the remote control to move to the channel directly.
- 4 Select a programme and press the OK button. Then you can watch the programme if it is on air.
- 5 Press the INFO button in the selected programme to view the detailed information (if available) of the selected programme.

# Viewing by Channel List Groups



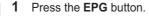
- 1 Press the **EPG** button.
- 2 Press the RED button to display the channel list group.
- 3 Select a channel list group using the ▲/▼ button.
- 4 Move the cursor to the sub-group using the ▶ button, select a sub-group using the ▲/▼ button and press the OK button. The programme guide for the selected channel list is displayed.

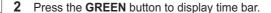


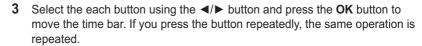




You can quickly search the time zone using the time bar.







**4** Each button functions as follows.

Now Moves to the current programme where the cursor is located.

- Moves back to the previous programme or 30 minutes before.
- ▶ Moves forwards to the next programme or 30 minutes ahead.
- Moves back to 2 hours before.
- ▶▶ Moves forwards to 2 hours ahead.
- ■Day Moves back to one day before.
- Day► Moves forwards to one day ahead.
- 5 Select button and press the **OK** button to exit the time bar.

# Reserving a Programme

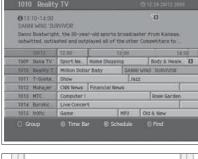
You can make reservations for the future programmes you wish to watch automatically.

- 1 Press the **EPG** button.
- 2 Select the desired programme and press the OK button. The confirm message will be displayed.
- Select **OK** and press the **OK** button to reserve the programme. When a reservation has been completed, the icon (\*\overline{10}) is displayed on the reserved programme. Press the **OK** button again to cancel reservation.
- 4 Press the YELLOW button to move to the Schedule screen. The schedule screen displays the reserved programme list and lets you review, edit or delete the reservations.

**Note:** If the channel is locked, restricted by watching time, you will be prompted to enter your password to complete the reservation. The default password is 0000. If you have forgotten your password, please contact your local TV distributor.









# **Viewing Reserved Programme**

You can add or edit the reservation using the Schedule screen.



- 1 Press the **EPG** button.
- 2 Press the YELLOW button.



## Editing a Reservation

- 1 Select the scheduled programme and press the OK button to edit the reservation information.
- 2 Change Channel No. and Time using the NUMBER (0-9) buttons.
- 3 Change Repeat mode using the ◄/▶ button. The options are Once (\*\*\*II), Daily (\*\*\*III) and Weekly (\*\*\*III).
- 4 Select **Save** and press the **OK** button to complete.
- 5 Select Cancel and press the OK button to cancel the editing.
- **6** Select **Delete** and press the **OK** button to delete the reserved programme.

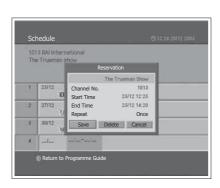


#### Adding a Reservation

- 1 Select a blank space and press the OK button to add a new reservation schedule.
- 2 Change Channel No. and Time using the NUMBER (0-9) buttons.
- **4** Select **Save** and press the **OK** button to complete.
- **5** Select **Cancel** and press the **OK** button to cancel the reservation.



- If the programme is overlapped with another programme, adjust the reservation appropriately.
- 2. If the channel is locked, restricted by watching time, you will be prompted to enter your password to complete the reservation. The default password is 0000. If you have forgotten your password, please contact your local product distributor.



# **Finding a Programme**

You can sufficiently find the programme you want by programme name or genre.











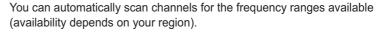
- Press the **EPG** button.
- Press the **BLUE** button.
- Enter the programme name directly using the keyboard displayed on the screen.
- When entering programme name is complete, select Find and press the OK

#### Notes:

- 1. Select the letter using the ▲/▼/◄/▶ button and press the **OK** button to enter the programme name on the keyboard screen.
- 2. If you select Previous or Next on the keyboard displayed on the screen and press the **OK** button, the keyboard layout is switched.
- **5** Select **By Genre** and press the **OK** button to search programme by genre.
- Select the genre using the ▲/▼/◄/▶ button and press the **OK** button.
- If you select a programme from Found Programme List screen and press the **OK** button, you can watch the programme if it is on air. If you want to find another programmes, press the **BACK** button to return to the previous

Note: Found Programme List may differ depending on the provided programme information.

# **Scanning Analog Channels Automatically**

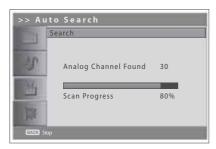


Analog channels can be scanned only in **Analog TV** input mode. Please make sure the main Input is set to **Analog TV** using the **TV/AV** button.



- 2 Select Channel using the ▲/▼ button and press the OK or ▶ button.
- 3 Select Country using the ▲/▼ button.
- 4 Select the country where you are now located using the **◄/▶** button.
- 5 Select Auto Search using the ▲/▼ button and press the OK or ▶ button. Search is highlighted.
- 6 Press the OK button to start to scan channels. It starts to scan channels. The scanned channels are automatically saved in order. To stop scanning channels, press the BACK button.
- 7 After the channel scanning completes, press the BACK button to exit search. The first scanned channel, if only, will be automatically displayed.



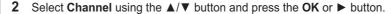


# **Scanning Analog Channels Manually**

You can save each channel as you identify.

Analog channels can be scanned only in **Analog TV** input mode. Please make sure the main Input is set to **Analog TV** using **TV/AV** button.





- 3 Select Manual Search using the ▲/▼ button and press the OK or ▶ button. Colour System is highlighted.
- 5 Select Audio System using the ▲/▼ button.
- 6 Select the required audio system (BG, I, DK or L) using the ◄/▶ button.
- 7 Select Band using the ▲/▼ button.
- 8 Select the required signal source (VHF/UHF or Cable) using the ◄/▶ button.
- 9 Select Channel using the ▲/▼ button and choose the channel number pressing the ◀/▶ or NUMBER (0~9) button.
- 10 Select Programme No using the ▲/▼ button and select the programme number you would like to assign by pressing the ◄/▶ or NUMBER (0~9) button. To change channel names, select Name using the ▲/▼ button.
- 11 Enter the new channel name using the ▲/▼/◄/▶ buttons and press the OK button.
- **12** Select **Search** using the **▲**/**▼** button and press the **◄**/**▶** button to start searching channels.
- **13** Select **Fine Tune** using the **▲**/**▼** button and press the **◄**/**▶** button to obtain a good quality of the picture and sound until you reach the optimal setting.
- **14** Select **Save** and press the **OK** button to save.

#### Channel mode display

- C (Air channel mode): You can select channels by entering the assigned number for broadcasting stations on air in this mode.
- S (Cable channel mode): You can select a channel by entering the assigned number for cable channels in this mode.





# **Editing Analog Channels**

After channel scanning completes, you can delete, skip, move or add into favorite channel group the saved analog channels.



Analog channels are editable only in **Analog TV** input mode. Please make sure the main Input is set to **Analog TV** using **TV/AV** button.

- 1 Press the MENU button.
- 2 Select Channel using the ▲/▼ button and press the OK or ▶ button.
- 3 Select Edit Channels using the A/▼ button and press the OK or ▶ button. The Edit Channels menu will appear.

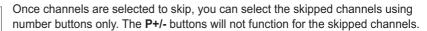


## Deleting Channels

You can delete channels from the list.

1 Select a channel you want to delete using the ▲/▼ button and press the RED button. The selected channel is deleted.

## Skipping Channels



1 Select a channel to skip using the ▲/▼ button and press the **GREEN** button. (✔) mark appears next to the channel name. To clear the skipped channels, select the channel you don't want to skip and press the **GREEN** button.

# 

# Adding Favourite Channels

You can add favourite channels into the favourite channel group.



If you press the **FAV** button, each favourite channel can be selected in sequent order.

# Moving Channels

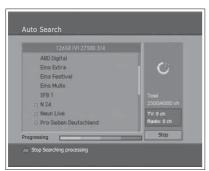
You can change the location of channels.

- Select a channel to move the location using the ▲/▼ button and press the BLUE button. (♠) mark appears next to the channel name.
- 2 Move the selection to a new location using the ▲/▼ button and press the BLUE button. The selected channel is moved to its new location and all other channels are shifted accordingly.



# **Scanning Digital Channels Automatically**





You can automatically scan digital channels for the frequency ranges available (availability depends on your region).

Digital channels can be scanned only in **Digital TV** input mode. Please make sure the **Main Input** is set to **Digital TV** using the **TV/AV** button.

- 1 Press the MENU button
- 2 Select Channel using the ▲/▼ button and press the OK or ▶ button.
- 3 Enter your password by pressing the **NUMBER (0~9)** buttons.
- 4 Select Country using the ▲/▼ button.
- 5 Select the country where you are now located using the **◄/▶** button.
- 6 Select Auto Search using the ▲/▼ button and press the OK or ▶ button. Search is highlighted.
- 7 Press the **OK** button to start searching channels. It starts to scan channels. To stop scanning channels, press the **OK** button.
- 8 After the channel scanning completes, select **Save** using the ▲/▼ button and press the **OK** button to save the founded channels.

**Note:** The default password is 0000. If you have forgotten your password, please contact your local TV distributor.

# **Scanning Digital Channels Manually**

You can manually select to scan digital channels. The channel numbers are determined by the broadcasting stations.

Digital channels can be scanned only in **Digital TV** input mode. Please make sure the **Main Input** is set to **Digital TV** using the **TV/AV** button.

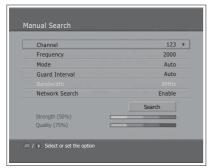


- 2 Select Channel using the ▲/▼ button and press the OK or ▶ button.
- 3 Enter your password by pressing the NUMBER (0~9) buttons.
- 4 Select Manual Search using the ▲/▼ button and press the OK or ▶ button. Selected Channel is highlighted.
- 5 Select **Channel** using the **△**/**▼** button and press the **OK** or **▶** button.
- Select one of channel using the ▲/▼ button and press the OK button. When entering the channel number, the appropriate frequency value is automatically displayed in Frequency.
- 7 Select Frequency using the ▲/▼ button and press the **OK** or ▶ button.
- 8 Enter your desired frequency to search directly using the NUMBER (0~9) button and press the OK button.
  When entering the frequency, the appropriate channel for the entered frequency is automatically displayed in Channel.
- 9 Select **Mode** using the **△**/**▼** button and press the **OK** or **▶** button.
- 10 Select among Auto, 2k and 8k using the ▲/▼ button, and press the OK button. If the information is not known, then Auto can be selected.
- 11 Select Guard Interval using the ▲/▼ button and press the OK or ▶ button.
- 12 Select one option among Auto, 1/4, 1/8, 1/16 and 1/32 using the ▲/▼ button, and press the OK button. If the information is not known, then Auto can be selected.
- 13 Select Network Search using the ▲/▼ button and press the OK or ▶ button.
- 14 Select one option between Enable and Disable using the OK or ▶ button. If specified frequency channel information and other channel information are provided together, the channel, which belongs to other frequency channel, is also searched.
- 15 When completed, select Search using the ▲/▼ button and press the OK button to start searching channels. It starts to scan channels. To stop scanning channels, press the OK button.
- 16 After the channel scanning completes, select Save using the ▲/▼ button and press the OK button to save the founded channels.

#### Notes:

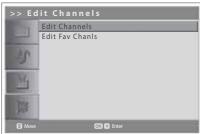
- The default password is 0000. If you have forgotten your password, please contact your local TV distributor.
- 2. In Italy, you can set the desired Bandwidth among 7 and 8MHz.





# **Editing Digital Channels**





After channel scanning completes, you can delete, lock, and rename saved digital channels. If there is no LCN channel, the function of move is activated.

Digital channels can be scanned only in **Digital TV** input mode. Please make sure the **Main Input** is set to **Digital TV** using the **TV/AV** button.

- 1 Press the **MENU** button.
- 2 Select Channel using the ▲/▼ button and press the OK or ▶ button.
- 3 Enter your password by pressing the **NUMBER (0~9)** buttons.
- 4 Select Edit Channels using the ▲/▼ button and press the OK or ▶ button.
- 5 Select Edit Channels using the ▲/▼ button and press the OK or ▶ button.

**Note:** The default password is 0000. If you have forgotten your password, please contact your local TV distributor.



## Selecting Channel Group

You can select the channel list group to edit TV or Radio.

- 1 Press the **OK** or **▶** button in **Group** to display channel list group.
- 2 Select your desired channel list group using the ▲/▼ button, and press the OK button.

# Deleting Channels

You can delete one or more channels.

- Select a channel you want to delete using the ▲/▼ button and press the OK button. You can select multiple channels.
- 2 Select Delete in the right using the ▲/▼/◄/▶ buttons, and press the OK button.

## Locking/Unlocking Channels

You can lock or unlock one or more channels.

- Select a channel you want to lock using the ▲/▼ button and press the OK button. You can select multiple channels.
- 2 Select Lock in the right using the △/▼/◄/▶ button, and press the OK button. (ⓐ) mark appears next to the channel name.

To unlock the locked channels, select the channel you want to unlock and select **Unlock** in the right, and press the **OK** button.

**Note:** To watch the locked channels, you must enter the password using the **NUMBER (0-9)** buttons.

## Renaming Channels

You can change the channel name as you like.

- 1 Move the cursor to the channel list using the **◄/▶** button.
- 2 Select your desired channel and press the OK button. You can select only a single channel.
- 3 Select Rename in the right using the ▲/▼/◄/▶ button and press the OK button.
- **4** Enter a channel name directly using the keyboard displayed on the screen.
- 5 When finishing entering channel name, select **OK** and press the **OK** button.



You can select/unselect all channels at a time.

- 1 Select **Select All** in the right and press the **OK** button to select all channels.
- 2 Select Unselect All in the right and press the OK button to unselect all the selected channels.



# **Editing Favourite Digital Channels**







You can add favourite channels or remove favourite channels from the favourite list.

Digital channels are editable only in **Digital TV** input mode. Please make sure the **Main Input** is set to **Digital TV** using **TV/AV** button.

- 1 Press the **MENU** button.
- 2 Select Channel using the ▲/▼ button and press the OK or ▶ button.
- 3 Enter your password by pressing the NUMBER (0~9) buttons.
- 4 Select Edit Channels using the ▲/▼ button and press the OK or ▶ button.
- 5 Select Edit Fav Chanls using the ▲/▼ button and press the OK or ▶ button.

**Note:** The default password is 0000. If you have forgotten your password, please contact your local TV distributor.

The buttons for editing the Favourite channel list are described in the following table.

	Add	Adds the favourite channel
4	Remove Removes the channel from the favourite channel list	
2	TV/Radio Switches between TV and Radio channel list	
1	Fav.Group Changes the favourite channel group	
25	Move	Moves the order of channel list within the favourite channel list
	Rename	Renames the favourite channel group
abc	Sort	Sorts channels by number or name in all TV/Radio channel list
4	Unselect All	Unselect all the selected channels

# Adding/Removing favourite channels

You can add favourite channel(s) to the favourite channel list or remove the added favourite channel(s) from the list.

- 1 Select a favourite group using 👔
- 2 Select your desired channel(s) in all TV/Radio channel list, and press to add in the favourite channel list.
- 3 Select your desired channel(s) in favourite channel list, and press to remove in the favourite channel list.

## Moving favourite channels

You can move favourite channel(s) to your desired location within the favourite channel list.

- 1 Select a favourite group using
- **2** Select your desired channel to move within the favourite channel list and press the **OK** button.
- 3 Select , and press the **OK** button.
- 4 Move the cursor to your desired location using the ▲/▼ button, and press the OK button.
- **5** The selected channel(s) is moved into the desired location you selected.

## Renaming favourite groups

You can rename the favourite groups.

- 1 Select a favourite group to rename using 🔃.
- 2 Select \_\_\_\_, and press the **OK** button.
- 3 Enter the new group name using ▲/▼ ◄/▶ button in the keyboard displayed on the screen.
- 4 When finishing entering the name, select **OK** and press the **OK** button.

## Additional Features

Additional Features provides many useful functions which are necessary to add favourite channel.

#### Change between TV and Radio channel list

You can add not only TV channel(s) but also Radio channel(s) to the favourite channel list. Press to switch all channels into TV or Radio channels.

#### Select a favourite channel group

You can select your desired favourite channel list to edit. Press to display the favourite group list. Then select your desired group using the  $\blacktriangle/\blacktriangledown$  button, and press the **OK** button.

#### Sort a channel list

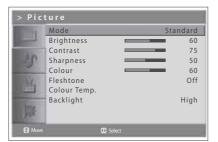
You can sort all TV or Radio channel lists by channel number or name for easy channel search. If channel lists are sorted by channel number, <a href="https://docs.python.org/">doc</a> is displayed. When you press this button, all the channel lists are sorted by name. Or, if channel lists are sorted by channel name, <a href="https://docs.python.org/">doc</a> is switched into <a href="https://docs.python.org/">123</a>. Press this button to order channels by number.

## Unselect all the selected channels

Press button to unselect all the selected channels.

# **Selecting a Picture Mode**

You can select the picture mode which best fits your viewing requirements.



- 1 Press the MENU button.
- 2 Select Picture using the ▲/▼ button and press the OK or ▶ button.
- 3 Select the required picture mode using the **◄/▶** button. The following options are available:
  - Standard
  - Shows the optimal sharpness of the picture if viewed in a well-lighted room.
  - Dynamic

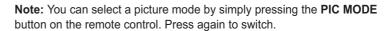
Increases the clarity and sharpness of the picture.

- Movie
  - Select **Movie** to lessen eye strain when watching a movie in a dark place.
- Mild

Softens display with moderate sharpness of the picture.

User

Select **User** to set detailed options such as Brightness, Contrast, and Colour so on.



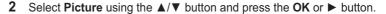
4 Press the EXIT button to return to Live TV or press the BACK button to return to the previous menu.



# **Customizing the Picture Settings**

You can adjust the picture appearance to suit your preference and viewing situations.



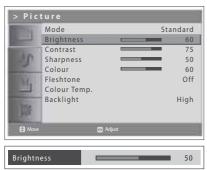


3 Select the required option using the ▲/▼ button and press the ◄/► button.
The following options are available:

**Brightness > Contrast > Sharpness > Colour** 

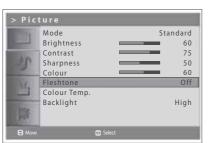
- **4** Press the **◄**/**▶** button until you reach the optimal setting. To select other options, repeat the steps from 3 to 4.
- 5 Press EXIT button to return to Live TV or press the BACK button to return to the previous menu.

**Note:** If you make any changes to the options, the picture mode is automatically switched to **User**. The **Sharpness** and **Colour** are not available in the PC input mode.



## **Chapter 7 >> Setting the Picture**

## **Fleshtone**

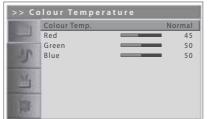


Use Fleshtone function to improve the picture quality by adjusting colour balance.

- 1 Press the MENU button.
- 2 Select **Picture** using the **△**/**▼** button and press the **OK** or **▶** button.
- 3 Select Fleshtone using the ▲/▼ button.
- 4 Select the required fleshtone using the ◀/▶ button. The following options are available.
  Off > Low > Medium > High
- 5 Press the EXIT button to return to Live TV or press the BACK button to return to the previous menu.

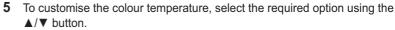
# **Colour Temperature**

You can change the colour of the entire screen to fit your needs. Set to **Warm** for intensifing hot colours such as red, or set to **Cool** for displaying less intense colours with more blue.



- 1 Press the **MENU** button.
- 2 Select **Picture** using the **△**/**▼** button and press the **OK** or **▶** button.
- 3 Select Colour Temp. using the **△**/**▼** button and press the **OK** or **▶** button.
- 4 Select the required colour temperature using the ◄/▶ button. The following options are available:

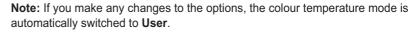
Normal > Cool > User > Warm



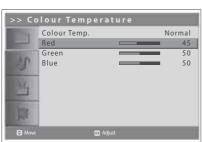
The following options are available to make changes:

Red > Green > Blue

6 Press the **◄/▶** button until you reach the optimal setting. To select other options, press the **▲/▼** button.

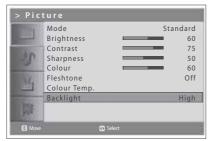


7 Press the **EXIT** button to return to Live TV or press the **BACK** button to return to the previous menu.



# **Adjusting Backlight Brightness**





- 1 Press the **MENU** button.
- 2 Select Picture using the ▲/▼ button and press the OK or ▶ button.
- 3 Select **Backlight** using the **△**/**▼** button.
- 4 Select the required option using the **◄/▶** button. The following options are available:

High > Low > Medium

**5** Press the **EXIT** button to return to Live TV or press the **BACK** button to return to the previous menu.

# **Setting the Sound Effect**

You can select the type of special sound effect when watching a broadcast.

Sound Effect lets you enjoy the best sound without any special adjustment because the TV sets the appropriate sound options based on the programme content.

- 1 Press the MENU button.
- 2 Select Sound using the ▲/▼ button and press the OK or ▶ button.
- 3 Select Effect using the ▲/▼ button and press the OK button.
- 4 Select the required sound effect using the ▲/▼ button. The following options are available:
  - User

Customise your own sound effect.

 Flat Flat and pure sound.

Speech

Emphasises clear dialogue.

Movie
Emphasises bass tones.

■ Music

Enhances music quility.

5 Press the EXIT button to return to Live TV or press the BACK button to return to the previous menu.

**Note:** You can select sound effect by simply pressing the **SND EFFECT** button on the remote control. Press again to switch.



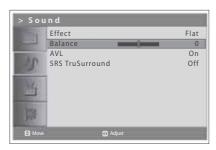




# **Adjusting the Sound Balance**

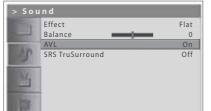
You can adjust the output of the right and left speakers to obtain the best stereo reproduction for your listening position.

- 1 Press the MENU button.
- 2 Select **Sound** using the **△**/**▼** button and press the **OK** or **▶** button.
- 3 Select Balance using the ▲/▼ button.
- **4** Press the **◄/▶** button to make changes.
- 5 Press the **EXIT** button to return to Live TV or press the **BACK** button to return to the previous menu.



# **Adjusting the Volume Automatically**

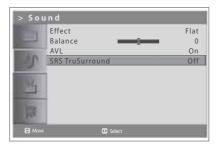
Each broadcasting station has its own signal conditions, volume may not be adjusted each time you switch channels. This feature lets you automatically adjust the volume of the selected channel by adjusting the sound output depending on the signal modulation.



- 1 Press the MENU button.
- 2 Select Sound using the ▲/▼ button and press the OK or ▶ button.
- 3 Select AVL(Auto Volume Level) using the ▲/▼ button.
- 4 Select On/Off using the **◄/▶** button.
- **5** Press the **EXIT** button to return to Live TV or press the **BACK** button to return to the previous menu.

# **Setting the TruSurround XT**

TruSurround XT is a patented SRS technology that solves the problem of playing 5.1 multi-channel content over two speakers. TruSurround delivers a compelling, virtual surround sound effect through two-speaker playback system, including built-in television speakers. It is fully compatible with all multi-channel audio formats.



- 1 Press the MENU button.
- 2 Select **Sound** using the **△**/**▼** button and press the **OK** or **▶** button.
- 3 Select SRS TruSurrond using the ▲/▼ button.
- 4 Select On/Off using the **◄/▶** button.
- 5 Press the EXIT button to return to Live TV or press the BACK button to return to the previous menu.

**Note:** (SRS(S)) is a trademark of SRS Labs, Inc. TruSurround XT technology is incorporated under license from SRS Labs, Inc.

# **Setting the Time Information**











You can set the current time. If you want to set time for automatically turning on/off the power, you must set the local time first.

## **Setting the Current Time**

- Press the MENU button.
- 2 Select **System** using the **△**/**▼** button and press the **OK** or **▶** button.
- 3 Select **Time Setting** using the ▲/▼ button and press the **OK** or ▶ button.
- Select Date using the ▲/▼ button and enter day/month/year using the NUMBER(0~9) buttons.
- Select Local Time using the ▲/▼ button and enter hour/minute using the NUMBER(0~9) buttons.

Note: Your TV automatically sets and updates the time over the air when you successfully search digital terrestrial channels. Then Date and Local Time menu will be disabled. You must set the GMT Off set value in System > Time Setting > GMT Offset menu.

## **Using the TV Timer Function**

You can schedule time for automatically turning on/off the power so that your TV will automatically be turned on and off at specific time you have scheduled.

- To set time for turning on the power, select **Power On Time** using the ▲/▼ button and press the **◄/▶** button to select **On**.
- Power On Time is enabled, enter hour/minute using the NUMBER(0~9) buttons. And select your desired service between TV or Radio using the ■/▶ button. At the preset time, the TV will automatically be turned on and display the preset service.
- To switch into the standby mode momentarily when the TV is turned on automatically at the preset time, select Snooze using the ▲/▼ button and press the **◄/▶** button to select **On**. Then, within 10 minutes after the TV is turned on automatically at the preset time, if you press the STANDBY button, the TV is switched to the standby mode and will be worked again after 5 minutes.
- To set time for turning off the power, select **Power Off Time** using the ▲/▼ button and press the **◄/▶** button to select **On**.
- 10 Power Off Time is enabled, enter hour/minute using the NUMBER(0~9) buttons.

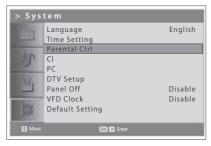
## **Setting the Auto Power Off**

In case there is no signal, it is possible have your TV automatically turned off to reduce power consumption.

11 Select Auto Power Off using the ▲/▼ button and press the ◄/▶ button to select On. The TV will automatically be turned off if there is no signal.

## **Chapter 9 >> Setting the System**

## **Parental Control**



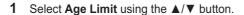


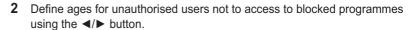
This feature enables you to prevent unauthorised users such as children from watching adult channels or programmes by using a password you have defined.

- 1 Press the MENU button.
- 2 Select System using the ▲/▼ button and press the OK or ▶ button.
- 3 Select Parental Ctrl using the ▲/▼ button and press the OK or ▶ button. The Enter your Password dialog box is displayed.
- 4 Enter your password by pressing the **NUMBER (0~9)** buttons.

## **Setting the Age Limit (for digital channels only)**

**Age Limit** enables you to block programmes from unauthorised users according to the age level you have defined.





View All: All programmes are not blocked.

7: Programmes is blocked for age groups under 7.

12: Programmes is blocked for age groups under 12.

15: Programmes is blocked for age groups under 15.

18: Programmes is blocked for age groups under 18.

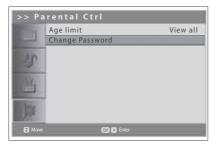
Lock All: All Programmes are blocked without considering the age level.

## Notes:

- If you select a blocked channel "This programme is blocked by age" message appears.
- 2. You have to enter the password to watch the blocked programmes by the age restriction
- 3. This function is available only for the programmes with the age information.



## Chapter 9 >> Setting the System





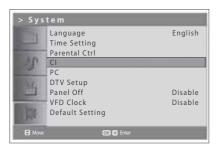
## Changing the Password

You can change the current password to a new one.

- 1 Select Change Password using the ▲/▼ button and press the OK or ▶ button.
- 2 Enter your old password and enter your new password using the NUMBER (0~9) buttons.
- 3 Enter the new password again to confirm. Then your new password has been memorized.

**Note:** The default password is 0000. If you have forgotten your password, please contact your local TV distributor.

# Common Interface (for digital channels only)

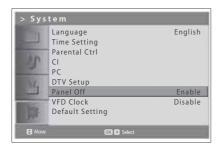


You can view the current status of the CI module. The CI sub menu displays when inserting the CI module to the TV.

- 1 Press the MENU button.
- 2 Select System using the ▲/▼ button and press the OK or ▶ button.
- 3 Select CI(Common Interface) using the ▲/▼ button and press the OK or ▶ button.
- **4** If Common Interface is available, you can view information about each Slot.

**Note:** The displayed information about each Common Interface may differ depending on the type of Common Interface.

## **Panel Off**

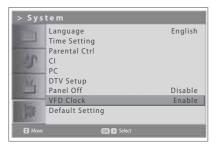


You can set the LCD panel to go out automatically for reduction of power consumption when watching a radio channel.

- 1 Press the MENU button.
- 2 Select System using the ▲/▼ button and press the OK or ▶ button.
- 3 Select Panel Off using the ▲/▼ button.
- 4 Select Enable using the ◄/▶ button. The LCD panel will automatically go out if there is no signal for 1 minute when watching a radio channel.

**Note:** When you are watching a radio channel, if the **Panel Off** function is **Enable**, the LCD panel goes out and the VFD displays the information such as channel number, channel name, sound effect and volume. You can adjust those displayed on VFD. ----(except LGB-19DTT)

# VFD Clock (except LGB-19DTT)



You can set to display the current time on VFD in standby mode.

- 1 Press the MENU button.
- 2 Select System using the ▲/▼ button and press the OK or ▶ button.
- 3 Select VFD Clock using the ▲/▼ button.
- 4 Select Enable using the ◀/▶ button. In standby mode, the VFD will display the current time.

**Note:** If the Power On Time function is enabled, the clock icon on VFD will be enabled.

# **Default Settings**

You can set your TV settings to the default setting values.

Warning: Please note that once you perform the Default Setting, all data such as aerial setting information, channel list, and user configured data are deleted.

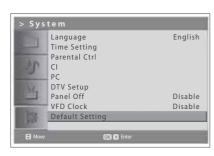
## To perform Default Setting, do as follows:



- 2 Select System using the ▲/▼ button and press the OK or ▶ button.
- 3 Select Default Setting using the ▲/▼ button and press the OK or ▶ button. The Enter Your Password dialog box is displayed.
- 4 Enter your password using the **NUMBER(0~9)** buttons to change all settings value to the factory default.
- 5 Default setting is completed.

#### Notes

- The default password is 0000. If you have forgotten your password, please contact your local TV distributor.
- 2. After completing the default setting, the initial setup wizard will appear automatically in a few seconds.



## Chapter 10 >> DTV Setup

In this chapter, you can set the various options for digital channels such as the subtitle language, i-plate display time and software update.

You can access to the DTV Setup menu only in Digital TV input mode.

# **Language Setting**

English 🕨

English



Subtitle Language

anguage selection for audio

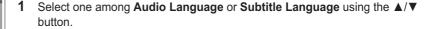
Subtitle Display

Subtitle Font

- 1 Press the MENU button.
- Select System using the ▲/▼ button and press the OK or ▶ button.
- 3 Select **DTV Setup** using the **△**/**▼** button and press the **▶** button.
- 4 Select Language Setting using the ▲/▼ button, and press the OK or ▶ button.

## Audio/Subtitle Language

You can set the language for Audio and Subtitle.



- 2 Press the **OK** or ▶ button to display the available language list.
- 3 Select your desired language using the ▲/▼ button, and press the OK button.

## Subtitle Display

You can select whether or not to display the Subtitle automatically if provided.

- 1 Select Subtitle Display using the ▲/▼ button.
- 2 Select your desired option using the **OK** or **▶** button.

**Auto** Subtitles are displayed automatically in the predefined subtitle language.

Manual Subtitles are displayed in the language when you select the subtitle language by pressing the SUBTITLE button at remote controller.

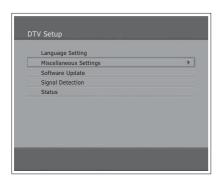


## Subtitle Font

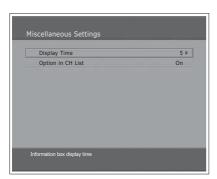
You can select the Subtitle font.

- 1 Select Subtitle Font using the ▲/▼ button.
- 2 Select your desired option using the OK or ▶ button. Variable Uses the horizontally variable Subtitle Font. Fixed Uses the fixed Subtitle Font.

# **Miscellaneous Settings**



- 1 Press the MENU button.
- 2 Select System using the ▲/▼ button and press the OK or ▶ button.
- 3 Select **DTV Setup** using the **△**/**▼** button and press the **▶** button.
- 4 Select Miscellaneous Settings using the ▲/▼ button, and press the OK or ▶ button.



## ■ i-Plate Display Time

You can set the duration during which the Information box is to be automatically displayed when you switch the channel.

- 1 Select i-Plate Display Time using the ▲/▼ button, and press the OK or ▶ button
- 2 Select a value between 1 ~ 20 seconds using the ▲/▼ button, and press the **OK** button.

**Note:** When it is set to **Disable**, the i-Plate will not be displayed when you switch the channel.

## Option in Channel List

You can set whether or not to display the scrambled icon in channel list.

- 1 Select the **Option in CH List** using the **▲/▼** button.
- 2 Select one option from On/Off using the OK or ▶ button.
  - On Scramble icon display in the channel list.
  - Off Scramble icon disappear in the channel list.

# **Software Update**

In order to maintain proper performance of the TV, it is essential to have the most up-to-date software. The latest news and release of software versions may be found at the **HUMAX website** – http://www.humaxdigital.com. It is recommended that you periodically check for the availability of software update.

## OTA (Over the Air)

OTA, an abbreviation of **Over-the-Air**, means that the software can be downloaded through your aerial. The manufacturer reserves the right to decide when and where to release software by this process. The software update via your aerial will only occur under the following circumstances.

- 1 The equipment should have appropriate loader software.
  - **Caution**: Please note that if you don't have normal loader software, the equipment may not be updated or work after software update.
- **2** The manufacturer decides to release software downloading via a designated aerial system.
- 3 The equipment must be tuned properly according to the guidelines within this manual.
- 4 Update software when the quality of receiving signal strength is high. If the weather is not so good that the quality of receiving signal strength is not recommendable, perform the software update later.

## Caution:

- Please be careful to keep the power on and the power cord plugged in during software update. If the power is disconnected during software update, it may cause fatal damage to the TV.
- Please be careful not to pull out the signal line (co-axial Cable) during software update. Update may be interrupted and the TV may not work.

#### Notes:

- 1. The other functions of TV cannot work at all during software update.
- 2. It may take  $5 \sim 10$  minutes to update software.
- 3. Scheduling operation cannot work during software update.

Language Setting

Software Update

Manual Update Software Auto-Detection

Auto-Detection Time

Move to the selected submenu

## If new software is found when powering on

- **1** A message will be displayed to notify that new software is found.
- 2 Select Yes and press the OK button to update the software.
- 3 Starts downloading new software. Please wait until the updated is completed.
- **4** When completing the software update, the equipment is automatically powered off and on again.

## If updating software from Menu

- 1 Press the MENU button.
- 2 Select System using the ▲/▼ button and press the OK or ▶ button.
- 3 Select **DTV Setup** using the **△**/**▼** button and press the **▶** button.
- 4 Select Software Update using the ▲/▼ button, and press the OK or ▶ button.

## **Automatic Update**

You can set the TV to find HUMAX software update site and update software automatically.

- Select Automatic Update using the ▲/▼ button, and press the OK or ▶ button. Automatically search for new software.
- When detecting update software, the following result is displayed. If new software is not found by **Automatic Update**, use **Manual Update**.
- 3 Select Yes and press the OK button to start updating. Select No and press the OK button to return to the previous menu without updating. Select Later and press the OK button to update later. That means the update menu displays as soon as you turn on the TV next time.
- 4 Performs Software Update. Please wait until it is completed.
- **5** When completing the software update, the TV is automatically powered off and on again.

# Channel 50 Frequency 70600 Mode Auto Guard Interval Auto Strength (50%) Quality (75%)

## **Manual Update**

You can perform Manual Update only if you know MUX information of software update correctly.

- 1 Select Manual Update using the ▲/▼ button, and press the OK or ▶ button.
- Select the channel number which provides update software. You can also enter the frequency instead of channel number in which updated software is provided.

3 Select Mode and Guard Interval using the ▲/▼ button and select your desired value.

**Note:** How to setting parameters in **Manual Update** is the same as how to set parameters in **Manual Search**. Refer to "**Scanning Digital Channels Manually**" in Chapter 6.

- 4 Select **Search** and press the **OK** button to search software.
- 5 It is displayed whether or not New Software exist. If new software does not exist, press the OK button to return to the Manual Update menu.
- 6 Select Yes and press the OK button to start updating. Select No and press the OK button to return to the previous menu. Select Later and press the OK button to update later. That means the update menu displays as soon as you turn on the TV next time.
- 7 Performs Software Update. Please wait until it is completed.
- 8 When completing the software update, the TV is automatically powered off and on again.

## Software Auto-Detecting and Time

You can specify the software detecting time. If the TV powers on during software auto-detecting, Detecting will stop.

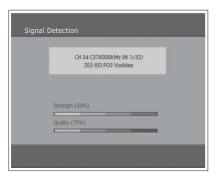
- 1 Select Software Auto-Detecting using the ▲/▼ button.
- 2 Select Enable or Disable using the OK or ▶ button.
- 3 When you select Enable, you can set the detecting time in Auto-Detecting Time.

## S/W Update from PC

You can connect your TV to the PC directly and update your software by transferring the new software from the PC. Follow these steps to download new software from PC to this TV.

- 1 Download new software file (HDF files) equivalent for this TV model from our website into your computer (http://www.humaxdigital.com).
- 2 Download and install download tool file from our website into your computer.
- 3 Connect your PC to this TV with RS-232C serial cable(not supplied).
- **4** Execute installed download tool, and then follow the instructions contained the download tool.
- 5 Reconnect the power cable of the TV and press the STANDBY button to make this TV operating.

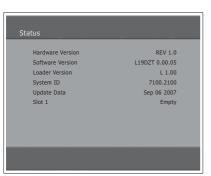
# **Signal Detection**



You can view the signal strength and signal quality reception for the channel that is currently being viewed.

- 1 Press the MENU button.
- 2 Select System using the ▲/▼ button and press the OK or ▶ button.
- 3 Select **DTV Setup** using the **△**/**▼** button and press the **▶** button.
- 4 Select Signal Detection using the ▲/▼ button, and press the OK or ▶ button
- 5 Display information about the aerial and multiplex, which current channel belongs to and the graphs and percentage of Signal Strength and Quality of the channel.

## **Status**



You can view System information.

- 1 Press the MENU button.
- 2 Select System using the ▲/▼ button and press the OK or ▶ button.
- 3 Select **DTV Setup** using the **△**/**▼** button and press the **▶** button.
- 4 Select **Status** using the **△**/**▼** button, and press the **OK** or **▶** button.
- 5 Confirm the information about Hardware version, Software version, Loader version, System ID and Update Date.

# **Setting the Aspect Ratio**



You can select the modes by simply pressing the **WIDE** button on the remote control.

#### Auto > 4:3 > 14:9 > Full > Zoom

## **Notes**

- 1. When the Component or HDMI input mode, you can select only the 4:3, 14:9 or Full.
- 2. It is not available in the PC input mode.

#### Auto

Displays the picture as the original aspect ratio of the signal you received.



#### 4:3

Displays the picture in the 4:3 ratio. The black bar appears on each side.



#### 14:9

Displays the picture in the 14:9 ratio. The thin black bar appears on each side.



#### Ful

Displays the picture in the 15:9 ratio to fill the entire screen.



## Zoom

Displays the picture zoomed to fill the 14:9 ratio with black sidebars. The top and bottom of the picture are slightly cropped.

# **Displaying Teletext information**

You can display teletext information at any time on your TV.

Most TV broadcasting stations provide text information services via teletext. The index page of the teletext service gives you information on how to use the service. You can also select various options to fit your needs using the remote control buttons.

**Note:** To properly display teletext information, channel reception must be stable. Otherwise, information may be missing or some pages may not be displayed.

#### **TELETEXT** function buttons are as follows:



#### (Teletext On/Off)

Activates or deactivates the teletext service.

#### (Mix)

Overlaps the teletext with the broadcasting screen.

Adjusts the opacity to the background in Teletext mode.

#### (Index)

Displays the teletext index page.

#### **■** (Cancel)

Displays TV programme when waiting for the new teletext page.

#### (Reveal)

Shows the hidden information. (answers to quiz games, for example) Press it again to return to normal display.

#### ■ (Mode)

Selects the teletext mode (LIST/FLOF)

#### (Size

Displays the double-size letters for lower half of the screen, press it again to return to normal display.

#### **⊞** (Hold)

Holds the display on a given page if the selected page is linked with several secondary pages that automatically follow. To resume, press it again.

## (Time)

When watching TV programmes, press this button to display the current time at the top right hand corner of the screen.

## Numeric (0~9)

Press to enter the three-digit page number given in the content.

#### Coloured buttons (Red/Green/Yellow/Blue)

If the FASTEXT system is used by a broadcasting company, the different topics covered on a teletext page are colour-coded and can be selected by pressing the coloured buttons. Press one of them corresponding to your needs. The page is displayed with other coloured information that can be selected in the same way. To display the previous or next page, press the corresponding coloured button.

# **Chapter 13 >> Setting the PC**

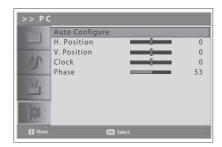


The **PC** menu is available only when there is a PC input signal.

- 1 Press the TV/AV button to switch to PC mode.
- 2 Select PC using the ▲/▼ button and press the OK button.



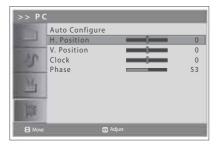
# **Auto Configure**



Automatically optimizes the display. This is recommended for the first time connecting to a PC.

- 3 Press the MENU button.
- 4 Select **System** using the **△**/**▼** button and press the **OK** or **▶** button.
- 5 Select PC using the ▲/▼ button and press the OK or ▶ button.
- 6 Select Auto Configure using the ▲/▼ button and press the OK button.

## **Position**

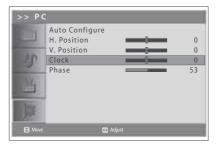


Adjusts the display position to PC if it does not fit the TV screen.

- 6 Select H. Position/V. Position using the ▲/▼ button.
- **7** Adjust the optimal position using the **◄/▶** button.

# Chapter 13 >> Setting the PC

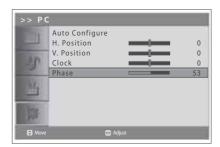
## Clock



Adjusts the horizontal feature of screen by increasing or decreasing the number of pixels.

- 6 Select Clock using the ▲/▼ button.
- **7** Adjust the optimal horizontal feature using the **◄/▶** button.

## **Phase**

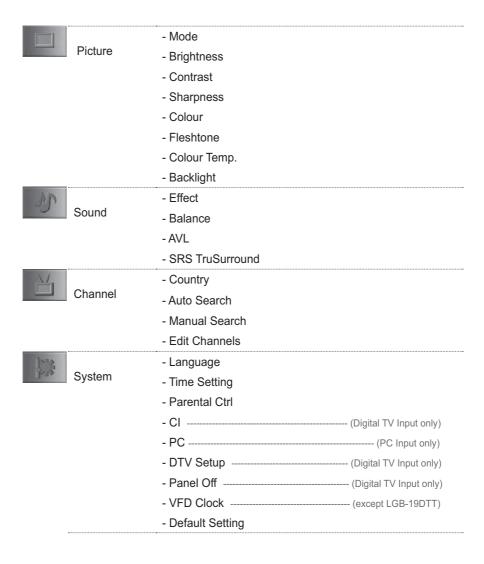


Sets the focus of screen.

- 6 Select Phase using the ▲/▼ button.
- **7** Adjust the optimal focus using the **◄/▶** button.

**Note:** If noise is present, change the PC mode to another resolution, change the refresh rate to another rate 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 graphic card.

# **Menu Map**



# **Troubleshooting**

Before contacting your local service dealer, please make sure you refer to the following guide. If the TV does not work normally after completing the following trouble shooting, please contact your local TV distributor or service centre.

- (1) No message is displayed on the front panel or the TV has no power.
  - Check the main power cable and make sure it is plugged into a suitable power outlet.
  - Check that the mains supply is switched on.
  - Check that the power switch is on at the TV (where applicable)

#### (2) No picture

- Make sure that the TV is power on and in operation mode (press STANDBY button).
- Make sure that the AV cable is firmly connected to the TV. You may need to remove the cable from both ends and reconnect.
- Make sure that the antenna line is properly connected to the TV.
- Check the brightness level of the TV.
- Check if the channel is currently on air. Contact the broadcaster to ensure that the channel is running.

## (3) Poor picture & sound quality

- Install the antenna in an obstacle-free place.
- Make sure there is no mobile phone or microwave oven near the TV.
- Use 75 coaxial cable when connecting TV and antenna.
- When the 1080i video input signal is displayed on the TV screen through the Component or HDMI jack, the screen flicker may occur.

#### (4) No or poor sound

- Check that your AV cable is connected correctly.
- Check the volume levels of your TV.
- Check if the TV is on mute.
- Check audio type or soundtrack option.

#### (5) Remote Control does not operate.

- To control the TV, the top end of the remote control should point directly towards the receiving part of the TV.
- Remove and reinsert the batteries in the remote control.
- Replace the batteries in the remote control for a new set.

## (6) Cannot watch scrambled channel.

- Check that you have the appropriate Smartcard or CAM. Reinsert the Smartcard or CAM and make sure it initializes correctly.
- Check in the menu that the TV is detecting the Smartcard or CAM.
- Check in the menu that you have a valid and working subscription to the channels you wish to
- Ensure that the Smartcard or CAM is not damaged.

# **Error Message**

Error message	Possible causes	What to do
No signal	The aerial is not pointing properly.     The AV device is not connected properly.	<ul> <li>Adjust aerial.</li> <li>Check the cable from the aerial. If you cannot resolve the problem you may need to have your aerial and installation tested by a professional.</li> <li>Set the AV device correctly.</li> <li>Check the cable from the AV device.</li> </ul>
Will not accept	- The key(button) is not supported for this product.	
Invalid Mode	- The resolution of connected PC is not set properly.	Check the optimal resolution settings. You may need to download a new video driver.
No Subtitle Data	- The channel has not the subtitle data.	- Confirm if the channel is provided the subtitle data.
The channel is scrambled or not available.	<ul> <li>The channel has signal, but no audio or video.</li> <li>CI module is not plugged in.</li> <li>CI module is not plugged in properly.</li> <li>Wrong CI module is in use.</li> </ul>	<ul> <li>Confirm if the channel is currently on air.</li> <li>Insert CI module.</li> <li>Reinsert CI module; ensure that it is inserted in the correct way.</li> <li>Insert the appropriate CI module for the channel(s) you wish to view.</li> <li>Contact your CI module retailer or channel broadcaster for a CI module replacement.</li> </ul>
The channel is scrambled.	This digital terrestrial receiver does not support the service that enables to descramble the scrambled channels.	
The audio is not available.	The channel has a video signal, but no audio is provided.	Press the audio buttons on your remote control to confirm that the channel has audio options.

# **Specification**

Item		Specification		
	Туре	Colour active matrix TFT-LCD		
I CD Damel	Display Area	19.0"		
LCD Panel	Max. Resolution	1440 x 900 pixels		
	Viewing Angle	R/L: 160, U/D: 160 (CR≥10)		
	Sync	Separate		
PC Monitor	Horizontal Frequency	31.469~48.363kHz		
PC Worldor	Vertical Frequency	60Hz		
	MAX. Resolution	1360 x 768 pixels@60Hz		
	Video Input	Analog + Digital Tuner(1), SCART, RCA, S-Video, Component, HDMI, PC		
Input/Output	Audio Input	RCA(R/L), Component (R/L), HDMI, PC Audio		
	Audio Output	Speaker, Headphone		
	Data Interface	ata Interface RS-232C(for SW update)		
		Analogue	Digital	
	Area	EU	EU(MHEG)	
	Antenna Input	IEC 169-2 Female	IEC 169-2 Female	
	Tuning System	FS	OFDM DVB-T	
TV Signal	Colour System	PAL, B/G, D/K, I SECAM, B/G, D/K	B/G, I, D/K	
	Sound System	AM / FM / Nicam	MPEG 1 Layer 1/2	
	VHF Low	48.25 ~ 144.00 MHz	48.25 ~ 144.00 MHz	
	VHF High	145.00 ~ 424.00 MHz	145.00 ~ 424.00 MHz	
	UHF	425.00 ~ 863.25 MHz	425.00 ~ 863.25 MHz	
	Teletext	Yes	Yes	
Regulation	Safety	CE		
Negulation	EMI	CE		
	Power	60 W (Max.)		
	Speaker Output	8W x 2EA		
	Plug & Play Level	DDC 1/2 B		
Others	Weight	LGB-19DZT, LGB-19DWT, LGB-19DXT, LGB-19DPT : NET 7.0 kg / Gross 9.0 kg		
		LGB-19DTT: NET 6.2 kg / Gross 8.2 kg		
	Power Supply	AC 100V ~240V, 50/60 Hz		
	Operating Temperature	5°C ~ 35°C		
	Operating Humidity	30 ~ 80% RH		

# **Service and Support**

You can get information such as a troubleshooting guide, software upgrades and product support guide from the following web sites and call center (Hotline). Please try to contact to your local dealers first when facing a problem.

## Web site and e-mail

## Homepage

http://www.humaxdigital.comEnglishhttp://www.humaxdigital.com/Deutsch/Deutschhttp://www.humaxarabia.comArabic

## **HCSA (Humax Customer Service Area)**

Software Download, Information and Technical Q&A

http://www.humaxdigital.com/hcsa/ English http://www.humaxdigital.com/Deutsch/hcsa/ Deutsch

## E-mail (Technical Q&A)

tech-info@humax-digital.co.uk Europe & North Africa

techinfo@humax-digital.deGermanycallcenterME@humaxdigital.comMiddle EastWebmaster@humaxdigital.comAsia & Other area

#### **Call Center**

## **Humax Customer Helpline (UK)**

Tel: 0870 247 8800

E-mail: uksupport@humax-digital.co.uk

Open: Local Time in UK (GMT+0), 09:00 - 18:00 (Monday -Friday)

Support Language: English

#### Humax Middle East Call Center (Dubai, UAE)

**Tel:** +971 (0)4 359 2323 (Open: 09:00 - 20:00 / close on Friday)

E-mail: callcenterME@humaxdigital.com

Open: Local Time in Dubai (GMT+4), 09:00 - 20:00 (Saturday - Thursday, close on Friday)

Support Language: English/Arabic

#### **Humax Hotline (Germany)**

Germany: 01805 778 900 ( € 0,12/Min)

Other Countries: + 49 1805 778 870 (  $\in$  0,12/Min+ International Call Charge)

E-mail: support@humax-digital.de

Open: Local Time in Germany (GMT+1), 08:00 - 23:00 (Monday - Sunday)

Support Language: Deutsch/English

#### **HUMAX Hotline (Italy)**

Tel: 899 100080

E-mail: info@mediasat.com

Open: Local Time in Italy (GMT+1), 08:00~18:00 (Monday - Friday)

Support Language: Italian

## **HUMAX Hotline (Austria)**

**Tel**: 0820 400675 ( € 0,12/min.)

#### **HUMAX Hotline (Sweden)**

Tel: +46 (0)550 85527

**Open**: 08:00 ~ 16:30 (Monday - Friday) **Support Language**: Swedish/English

#### **HUMAX Hotline (Finland)**

Tel: 09 5618 6366

**Open**: 08:00 ~ 16:00 (Monday - Friday) **Support Language**: Finnish/English

For hardware repair, please refer to website. (Homepage or HCSA)



