# C472273DIPTVT2

## 47" DIGITAL LED SMART TV
## 3D Ready, DVBT2, IPTV

# User Guide

# Contents

**Thank you** for purchasing your new 47" FHD LED TV.

Your new TV has many features and incorporates the latest technology to enhance your viewing experience. We recommend that you spend some time reading this instruction manual in order that you fully understand these features. You will also find some hints and tips to help you resolve any issues.

Read all the safety instructions carefully before use and keep this instruction manual for future reference.

# Unpacking the TV / Accessory's
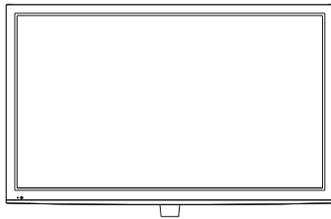
TV set

Stand

Stand fixing screws
( 4pcs: BM6 x 12)

Batteries

Remote Control

Wi-Fi Dongle

8 pairs of 3D glasses

QUICK START
GUIDE

Quick Start Guide

WARRANTY CARD

Warranty Card

Wi-Fi
**Quick Start Guide**
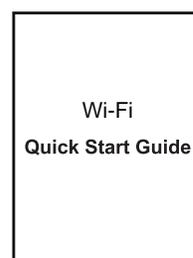
Wi-Fi
**Quick Start Guide**

# Installing / Removing the Base Stand

⚠️ The LED display is very fragile, and must be protected at all times when installing and removing the base stand. Be sure that no hard or sharp object, or anything that could scratch or damage the LED display, comes into contact with it. DO NOT exert pressure on the front of the TV at any time because the screen could crack.

1. Disconnect all cables connected to the TV.

2. Lay the TV down on a flat surface with the back side facing up. Please make sure to place a soft cushioned material (such as a pillow or thick piece of foam) beneath the screen.

3. To install the base stand first make sure you position the front of the base stand facing towards the front of the TV and then use the 4 supplied screws to fix the base stand to the TV.
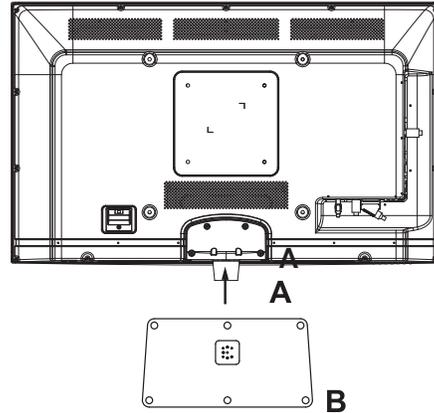
⚠️ Remove the stand base before wall mounting the TV.

4. To remove the stand assembly, lay the TV down on a flat surface with the back side facing up. Please make sure to place a soft cushioned material (such as a pillow or thick piece of foam) beneath the screen. Remove the 6 screws that secure the stand base to the TV. Remove the stand base by sliding it out.
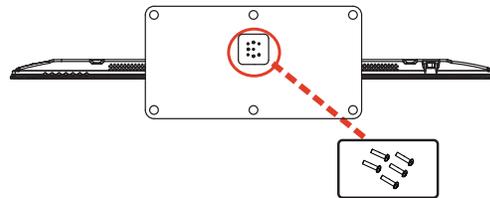
✦ Keep all the screws in a safe place, should you want to attach the stand base at a later date.

This unit is VESA-Compliant and designed to be wall mounted with a VESA-Compliant 400mm x 400 mm mounting kit. Mount this unit according to the instructions of the wall bracket (not supplied)

400mm

400mm

Four mounting holes
Screw size M6x25

4
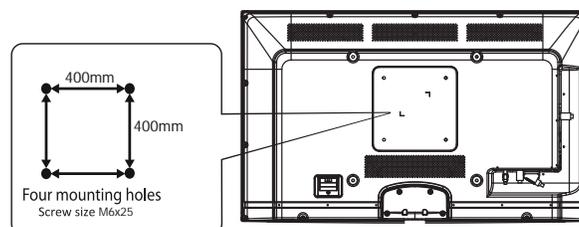
# Front / Right Side View and Controls

STANDBY   SOURCE   MENU    CH-      CH+     VOL-    VOL+

**1 2    3         4    5         6           7**
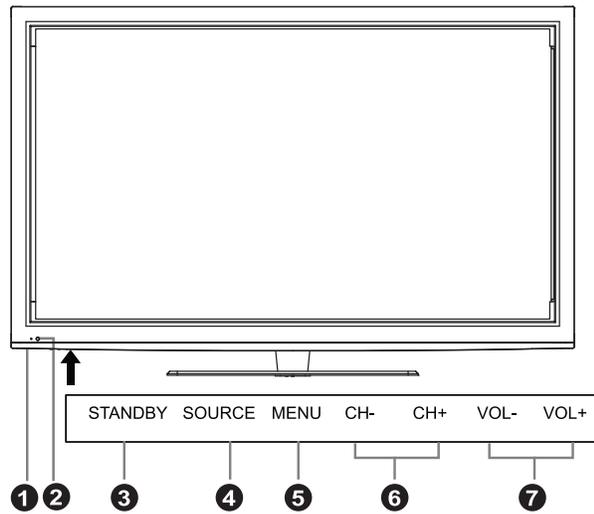
| Item | Description |
|---|---|
| **1    POWER LED** | Illuminates green when the TV is turned on. Illuminates red when the TV is in standby mode. The LED will alternate between red and green when the PVR timer programming has started in the standby mode. |
| **2    IR (Infrared Receiver)** | Receives IR signals from the remote control. Do not put anything near the sensor, as its function may be affected. |
| **3    STANDBY** | Switches the TV on from standby mode. Switches the TV back to standby mode. |
| **4    SOURCE** | Press to select among different input signal sources: DTV / ATV / SCART / YPbPr /PC / HDMI  / AV / MEDIA. Confirmed the selection on OSD menu. |
| **5    MENU** | Displays the OSD (on screen display) menu. |
| **6    CH + / –** | Press to select a channel or select a sub-menu from the OSD menu. |
| **7    VOL + / –** | Adjusts the volume. Press to select and adjust a setting in the OSD menu. |

# Rear View and Sockets
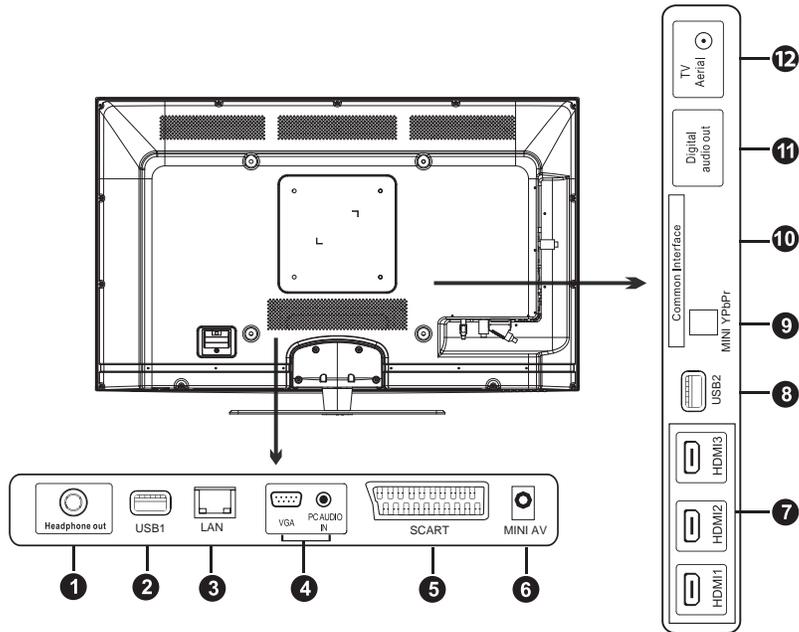


| | Socket | Description |
|---|---|---|
| 1 | **Headphone out** | To connect to the earphones. |
| 2 | **USB1** | Allows the insertion of a USB storage device to play video, audio, photo files in Media mode and record DTV programmes on to a USB storage device.<br>Used for WIFI dongle connecting and media play. |
| 3 | **LAN** | Rj45 connector for the Internet Ethernet cable |
| 4 | **VGA** | To connect to a computer or other devices with a VGA interface. |
| | **PC AUDIO IN** | Direct audio input from PC. |
| 5 | **SCART** | To connect to a VCR, DVD Player, or other AV device with a SCART output socket. |
| 6 | **MINI AV** | Analog input for audio and video source. |
| 7 | **HDMI1 / 2 / 3 IN** | To connect to a High-Definition (HD) signal output device, such as a set-top box, blu-ray disc player or AV receiver. |
| 8 | **USB2** | Allows the insertion of a USB storage device to play video, audio, photo and text files (Media mode) and record DTV programmes on to a USB storage device.<br>Used for WIFI dongle connecting and media play. |
| 9 | **MINI YPBPR** | To connect to a DVD player, Digital Set-Top-Box, or other AV devices with component (YPbPr) video and audio output sockets. |
| 10 | **CI (Common Interface) Slot** | Allows the insertion of a Common Access Module. |
| 11 | **DIGITAL AUDIO OUT (COAXIAL)** | To connect to the audio socket on the digital/standard 5.1 audio system. |
| 12 | **TV Aerial** | To connect to the aerial socket on the wall with the RF coaxial cable. |

# Remote control

**Dependant on the Model of the TV some keys will have no function**

* **Dependant on Model**

**MUTE**
Mute sound

**Menu**
Displays the main menu

**Exit**
Exit from any menu

Picture
1st Press Picture modes
2nd Press Aspect ratio
3rd Press 3D option

**DVD**
Go direct to DVD mode

DVD Eject

To stop the playback or recording.
(USB / DVD mode)

**Power switch**
Turn on or standby.

**Help**
This displays a page that gives telephone
numbers  for service.
Press to enter, press again to exit.

**Info key**
In DTV mode-shows now/next.

**Sound**

1st press select the Sound mode
2nd press select the Nicam in ATV
mode/ 2nd press audio in DVD
mode/ select  the language in DTV mode

To start the timeshift playback. (DTV mode)
To start playback or pause. (USB / DVD mode)

Start recording

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# Remote control (continued)

■ **Functions of remote control buttons**

**Dependant on the model of theTV some keys will have no function**

| | |
|---|---|
| Switch to Freeview Digital | Switch between DTV and RADIO |
| | Switch to Analog TV |
| | Recall the First Time Installation |
| Select channels using the 0-9 buttons while in TV mode | |
| 1st Press HDMI 1<br>2nd Press HDMI 2<br>3rd Press  HDMI 3 | Return to last Channel |
| | Enter the electronic programme guide |
| **Volume**<br>"**Increases and decreases the volume**" | **Channel +/-**   "increase / decrease the channel number" |
| Select the source | |
| Enter the Text | The function for each colour varies from menu to menu. (The colour buttons are also reserved for MHEG (digital text) (interactive TV) in DTV mode. |

*Dependant on Model

**Dependant on the model of TV some keys will have no function**

*Dependant on Model



Power
Mute
DTV  Radio  ATV
Menu  Quickstart  Help
abc  def
1  2  3
ghi  jkl  mno
4  5  6
pqrs  tuv  wxyz
7  8  9
HDMI  0
Exit  Info
OK
Picture  Sound
POP MENU
Vol+  EPG  CH+
Source
Vol-  CH-

Text  Event List  PVR List  Subtitle
Timer  Play
DVD  USB  Android  Repeat
DVD  USB
OSC
Rec

Show the Schedule List

Switch to USB mode

**Next Track, File, Day**. (Media, PVR, EPG)

**Prev Track, File, Day**. (Media, PVR, EPG)

Display List of Recorded Programms

Subtitle selection

Go to the Android Home page*

Select the repeat mode in DVD and Multimedia

**Next Track, File, Day**. (Media, PVR, EPG)

Fast forward  PVR & Multimedia

# Installing Batteries in the Remote Control

1. Press and lift the back cover to open the battery compartment of the remote control.

2. Insert two 1.5V AA A  size batteries. Make sure to match the (+) and ( - ) ends of the batteries with the (+) and ( - ) ends indicated in the battery compartment.

3. Close the battery compartment cover.
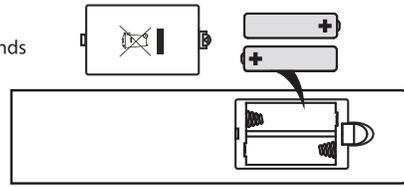
⚠ **Handling the Batteries**
- Improper or incorrect use of batteries may cause corrosion or battery leakage, which could cause fire, personal injury or damage to property.
- Only use the battery type indicated in this manual.
- When the batteries are exhausted, the remote will not function. Replace both batteries at the same time with new ones.
- Do not install new batteries with used ones and do not mix different types of batteries.
- Do not dispose of used batteries as domestic waste. Dispose of them in accordance with local regulations.

⚠ **Handling the Remote Control**
- Take care of your fingernails when you press and hold the battery release tab.
- Do not drop or cause impact to the remote control.
- Do not spill water or any liquid on the remote control.
- Do not place the remote control on a wet object.
- Do not place the remote control under direct sunlight or near sources of excessive heat.
- Remove the battery from the remote control when not in use for a long period of time, as it could cause corrosion or battery leakage and may result in physical injury and/or property damage including fire.

# Remote Control Operation Range

Point the remote control at the TV no more than 5 metres from the remote control sensor on the TV and within 60° in front of the TV. The operating distance may vary depending on the brightness of the room.

30°    30°

5M
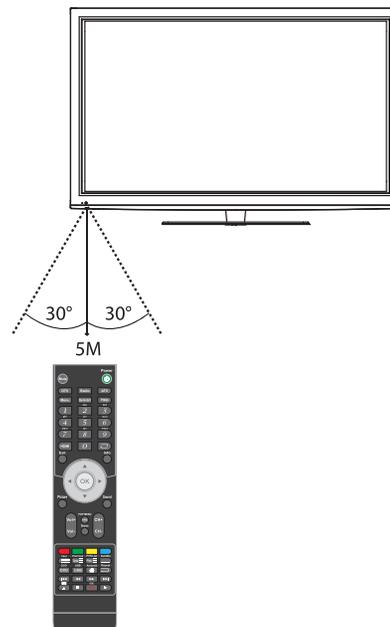
Remote  Code: 0170

To use your sky remote control with this TV follow the instructions given with the sky remote to programme different codes.

# Making Video and Audio Connections

Not all AV devices have the ability to connect to a TV, please refer to the owner's manual of your AV device for compatibility and connection procedures.

When connecting any external AV device, do not connect the mains cable to the mains socket until all other connections are complete.

| **Best Video Performance** | | **Signal Type** | **Separate Audio Connection Required** |
|---|---|---|---|
| | HDMI | HDMI (480i/480p/576i/576p/720p/1080i/1080p) | No |
| | VGA | PC | Yes / PC AUDIO |
| | Y PB PR | Component Video (480i/480p/576i/576p/720p/1080i/1080p) | Yes / L R |
| | SCART | SCART (RGB Input) | No |
| | VIDEO | Composite Video | Yes / L R |

# Connecting an AV Device with an HDMI Cable

- This TV can accept High-Definition Multimedia Interface (HDMI) and supports HDCP (High-Bandwidth Digital Content Protection) Protocol.

- The TV has a total of 3 HDMI input sockets, please make sure the correct input source is selected corresponding to your connected HDMI input socket.

- When you connect to the output of an HD ready player (blu-ray disc player, game console, set-top box or computer) switch to the HDMI function and the TV will automatically detect the resolution used by the HDMI source.

- To get the best picture quality, adjust the blu-ray disc player, game console or set-top box output resolution up to 1920 x 1080p.

**1.** Use an HDMI cable to connect the TV's HDMI1 / HDMI2 / HDMI3 input socket to the external AV device's HDMI output socket.

**2.** Plug the connected device into the mains socket

**3.** Press the **STANDBY** button  on the TV or the ⏻ button on the remote control to turn on your TV.

**4.** Press the **SOURCE**  button  on the TV or the or the **SOURCE** button on the remote control to display the Source List. Use the ▲▼ buttons to select **HDMI1** or **HDMI2** or **HDMI3** and then press the **OK** button to confirm.

⚠ Although this TV is able to connect to an HDMI device, it is possible that some devices may not operate correctly.

HDMI Cable (not included)

Game Console

Set-top Box

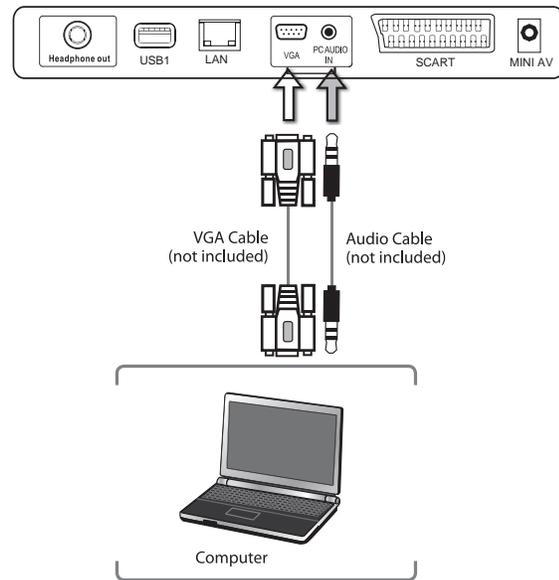Blu-ray Player / DVD Player / Recorder
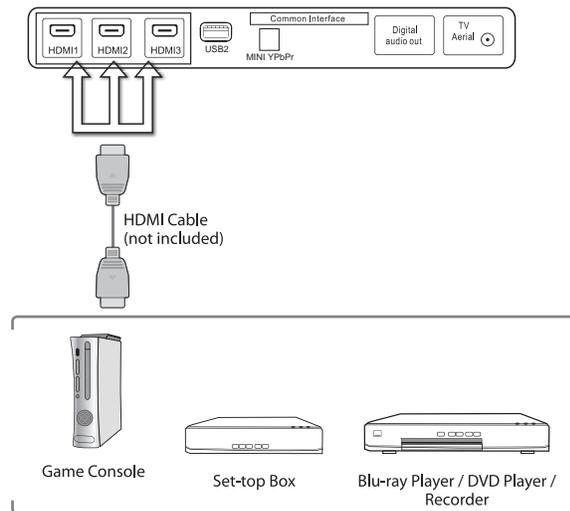
# Connecting a Computer with a VGA Cable

1. Use a VGA cable to connect the TV's PC input socket to a computer's VGA output socket. Use an audio cable to connect the TV's PC AUDIO input socket to the computer's audio output socket.

2. Plug the connected device into the mains socket

3. Press the **STANDBY** button on the TV or the ⏻ button on the remote control to turn on your TV.

4. Press the **SOURCE** button on the TV or the **SOURCE** button on the remote control to display the Source List. Use the ▲▼ buttons to select **PC** and then press the **OK** button to confirm.

⚠️ • The best resolution is 1920 x 1080.
• If your computer is set to shut down after a few minutes of idle mode, the TV will also switch to standby due to no signal being received, this is to save energy. Press the **STANDBY** button at the right side of the TV when viewed from the front or the ⏻ button on the remote control to restart the TV.



Headphone out   USB1   LAN   VGA   PC AUDIO IN   SCART   MINI AV

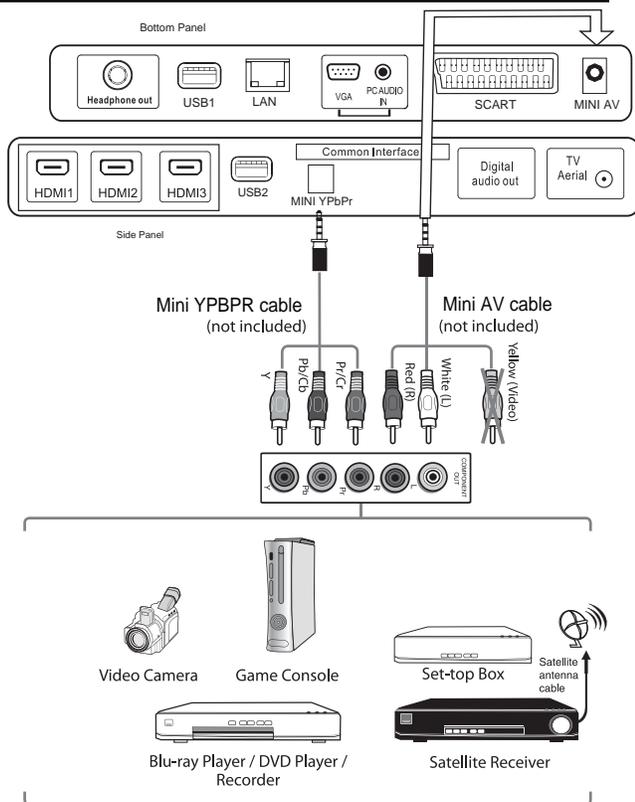VGA Cable (not included)   Audio Cable (not included)

Computer

# Connecting an AV Device with a Component (YPbPr) Cable

1. Use a component cable to connect the TV's YPbPr input sockets to an external AV device's component output sockets.

2. Use an AV cable to connect the TV's AUDIO(L/R) input sockets to the external AV device's component audio output sockets. (Audio Left = white, and Audio Right = red)

| Component port on the TV | Mini YPbPr | | |
|---|---|---|---|
| Video output ports on DVD player | Y | Pb | Pr |
| | Y | Cb | Cr |

3. Plug the connected devices into the mains socket

4. Press the **STANDBY** button on the TV or the ⏻ button on the remote control to turn on your TV.

5. Press the **SOURCE** button on the TV or the **SOURCE** button on the remote control to display the **Source List**. Use the ▲▼ buttons to select **YPbPr** and then press the **OK** button to confirm.



Bottom Panel

Headphone out   USB1   LAN   VGA   PC AUDIO IN   SCART   MINI AV

Common Interface

HDMI1   HDMI2   HDMI3   USB2   MINI YPbPr   Digital audio out   TV Aerial

Side Panel

Mini YPBPR cable (not included)   Mini AV cable (not included)

Y   Pb/Cb   Pr/Cr   Red (R)   White (L)   Yellow (Video)

COMPONENT OUT

Video Camera   Game Console   Set-top Box   Satellite antenna cable

Blu-ray Player / DVD Player / Recorder   Satellite Receiver

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# Connecting an AV Device with a SCART Cable

1. Use a SCART cable to connect the TV's SCART input socket to an external AV device's SCART output socket.

2. Plug the connected device into the mains socket

3. Press the **STANDBY** button on the TV or the ⏻ button on the remote control to turn on your TV.

4. The TV will change the input source to **SCART** automatically once the AV device is switched on.

Bottom Panel



Headphone out    USB1    LAN    VGA    PC AUDIO IN    SCART    MINI AV

SCART Cable (not included)

VCR

Set-top Box    Satellite antenna cable

DVD Player / Recorder    Satellite Receiver
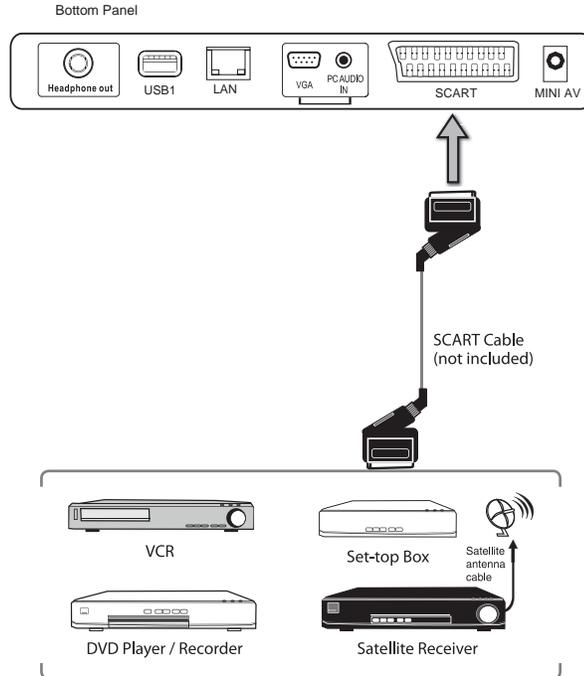
# Connecting an AV Device with Composite Cable

1. Use an AV cable to connect the TV's AUDIO(L/R)/VIDEO input sockets to an external AV device's composite audio/video sockets. (Video = yellow, Audio Left = white, and Audio Right = red)
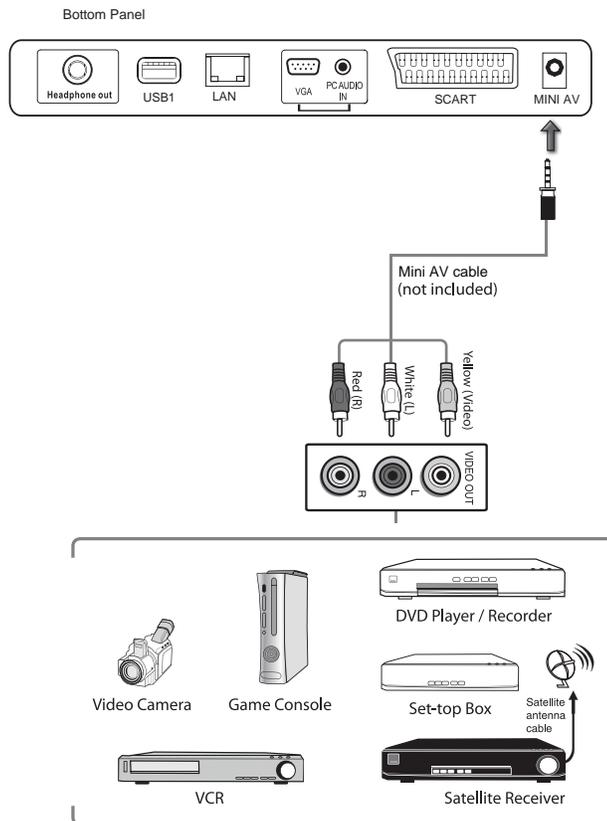
2. Plug the connected device into the mains socket

3. Press the **STANDBY** button on the TV or the ⏻ button on the remote control to turn on your TV.

4. Press the **SOURCE** button on the TV or the **SOURCE** button on the remote control to display the Source List. Use the ▲▼ buttons to select **AV** and then press the **OK** button to confirm.

Bottom Panel



Headphone out    USB1    LAN    VGA    PC AUDIO IN    SCART    MINI AV

Mini AV cable (not included)

Red (R)    White (L)    Yellow (Video)

R    L    VIDEO OUT

Video Camera    Game Console    Set-top Box    Satellite antenna cable

DVD Player / Recorder

VCR    Satellite Receiver

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# Connecting a Digital Audio Receiver

For better sound quality, you may want to play the audio through your multi-channel audio receiver.

1.  Use an audio cable to connect the TV's Digital Audio out socket to an external audio receiver's audio coaxial input socket.

2.  Plug the connected device  into the mains socket

3.  Press the **STANDBY**  button on the TV or the ⏻ button on the remote control to turn on your TV.

4.  Press the **SOURCE** button on the TV or the **SOURCE** button on the remote control to display the Source List. Use the ▲▼ buttons to select any desired input source and then press the **OK** button to confirm.

    ⚠  The TV's volume control will have no effect. You may control the audio level via the Audio Receiver.

Headphone out    USB1    LAN    VGA   PC AUDIO IN    SCART    MINI AV

Audio Cable
(not included)

Audio Receiver
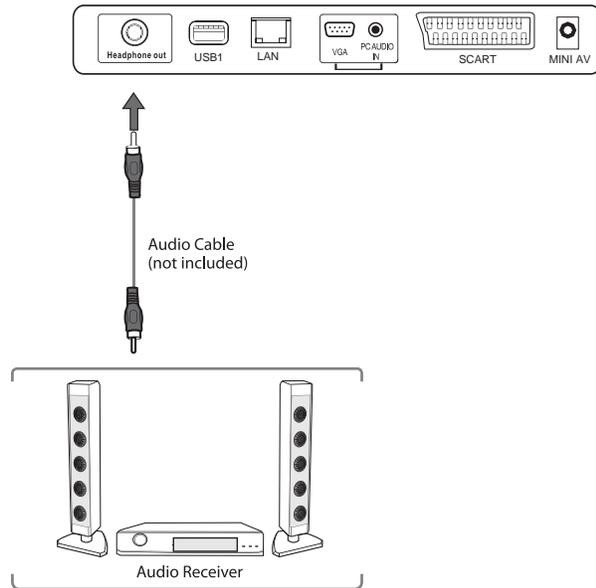
# Connecting Headphones

Connect your headphones to the TV's Headphone out socket.

Before putting on headphones, turn the volume down then put the headphones on and slowly increase the volume until you reach a comfortable listening level.

⚠ Long-term exposure to loud music may cause hearing damage. It is best to avoid extreme volume when using earphones, especially for extended periods.
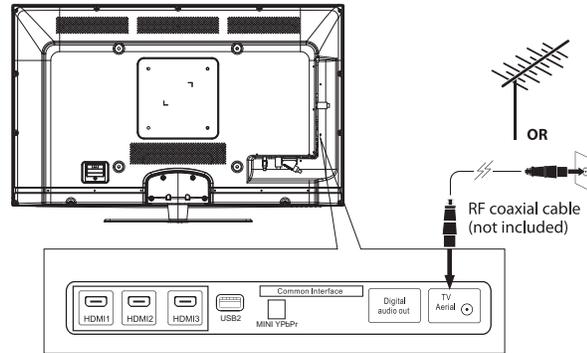
Earphones Cable
(not included)
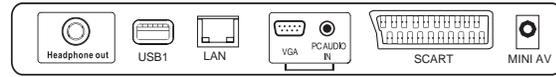
# Turning the TV on for the First Time

**1.** Connect one end of the RF coaxial cable to the aerial socket on the wall and the other end of the cable to the Aerial socket at the rear bottom of your TV.

⚠ Do not connect the TV to the mains supply until you have completed all the connections.

**OR**

RF coaxial cable
(not included)

HDMI1  HDMI2  HDMI3  USB2  MINI YPbPr  Common Interface  Digital audio out  TV Aerial

**2.** Connect the mains cable to the mains socket after you have completed all the connections

**3.** In standby mode, press the **STANDBY** button on the TV or the ⏻ button on the remote control to turn the TV on. The LED indicator will change from red to green.
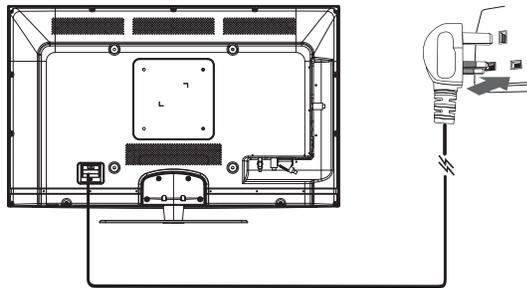
⚠ • Always disconnect the TV from the mains socket when not in use for a long period of time.
• The **STANDBY** button at the front right side of the TV or the ⏻ button on the remote control is only used for switching the TV into standby, it does not disconnect the TV from the mains power. To completely disconnect the mains power, please remove the mains cable from the mains socket.

First Time Installation

When you initially power on the TV, you will see the "First Time Installation" menu as below:
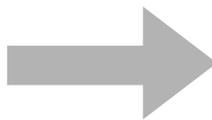
Press the "**OK**" button on the remote control to start the Installation Guide, this process will enable you to setup IPTV connections and auto tune all ATV and DTV channels. Just follow the easy instructions on the 5 step setup menus.

## Selecting the Input Source

**1.** Press the **Source** button at the front right side of the TV or the **Source** button on the remote control to display the Input source list.

**2.** Press the ▲▼◄► buttons to select the input source that you want: DTV/ ATV / SCART/YPBPR/DVD/PC/HDMI1/HDMI2/HDMI3/AV.

**3.** Press the **OK** button to confirm your selection.

### Target Region Descriptor

During tuning your TV may have received signals from more than one transmitter. If this has occurred the Target Region Descriptor screen will be displayed. This will enable you to select the correct regional transmission for the local news service that you require.

Press the ▲▼ buttons to select each option's setting and then press the **OK** button to confirm.

| | |
|---|---|
| Country Code | This will be shown as GBR for the UK. |
| Primary Region | This will show the regional country (England, Wales, Scotland, NI). |
| Secondary Region | This will allow you to set the region for your local news service on BBC and ITV (London, Beds and Cambs etc). |
| Tertiary Region | You may receive signals from more than one transmitter within the Secondary Region, (e.g Beds and Cambs may have Luton or Sandy Heath). |

## Channel Selection

• Press the **CH+ / –** buttons at the front right side of the TV or on the remote control repeatedly or the **0-9** buttons on the remote control to select the channel.

### Alternative
Press the **OK** button to enter the **Channel List**. Then use the ▲▼ buttons to highlight and select the channel. Press the **OK** button to view the selected channel.

• If a blocked channel is selected, the password screen will be displayed. Press the **0-9** buttons to enter the password, the channel will then be unlocked.

• Press the ⟳ button to return to the previously viewed channel.

## Display Channel Information

• Press the *i* **Info** button to view the current information.

## Volume Adjustment

• Press the **VOL+** or **–** button at the front right side of the TV or on the remote control to adjust the volume.

• If you wish to switch the sound off, press the Mute button. Press the Mute button again or the **VOL+** or **–** button to resume audio listening.

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# Channel Setting (TV, DTV or Radio Mode)

1. Press the **Menu** button to select the **CHANNEL** menu .

2. Press the ▲▼ buttons to select **Auto Tuning** and then press the **OK** button.

## Auto Tuning (DTV / ATV mode)

Use this to automatically find and store all available channels. This is normally recommended if some channels have been added or removed by the broadcaster or if you have moved house.

(ATV mode)　　　　　　　　　　　(DTV mode)

3. In the **Tune Type** menu, press the ◄► buttons to select **ATV / DTV / ATV +DTV**. Press the ▼ button and then press the ▲◄►▼ buttons to select the country where you will operate the TV. Press the **OK** button to confirm.

4. Channel tuning will commence. This operation may take up to 10 minutes. The display will show the progress of the tuning and the number of channels found.

5. If you want to skip the DTV tuning, press the **Menu** button to interrupt the tuning half way. A pop-up screen will be displayed, press the ◄ button to select **YES** to confirm. You will then go straight to ATV tuning. You may repeat the above step if you also want to skip the ATV tuning. An installation reminder will appear the next time you turn on the TV.

6. After tuning is complete, the channels are stored and arranged in a preset order.

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## ATV Manual (CHANNEL) Tuning (ATV mode)

Allows you to make manual fine tuning adjustments if the channel reception is poor under ATV mode.

1. Press the **Menu** button to select the
   menu. .

2. Press the ▲▼ buttons to select **ATV CHANNEL** Tuning and then press the
   **OK** button.

3. The ATV                Tuning screen will pop up. Use the ▲▼ buttons to select
   the following options and the ◄► buttons to adjust the setting.

   | | |
   |---|---|
   | **Storage To** | Storage the current channel number. |
   | **System** | Selects the colour system: Auto / SECAM / PAL<br>Selects the sound system: DK / I / BG. |
   | **Current CH** | Displays the current channel number. |
   | **Search** | Press the ◄► buttons to start the manual tuning. |
   | **Fine-Tune** | Press the ◄► buttons to make manual fine tuning adjustments. |

4. After finishing the manual tuning adjustment of a channel, press the
   **Menu** button to save your channel before tuning the next channel.

5. Press the ↵ **Exit** button to exit the menu.

## DTV Manual (CHANNEL) Tuning (DTV mode)

Allows you to make manual fine tuning adjustments of the channel under DTV mode.

1. Press the **Menu** button to select the
   **CHANNEL** menu.

2. Press the ▲▼ buttons to select **DTV CHANNEL** Tuning and then press the
   **OK** button.

3. The DTV Manual Tuning screen will pop up. Press the ◄► buttons
   to select the desired UHF channel and then press the **OK** button to
   commence the search of that channel. When the signal has been tuned,
   the picture and signal strength will be displayed on the screen.

4. Press the **Menu** button to return back to the main menu.

5. Press the ↵ **Exit** button to exit the menu.

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## Programme Edit (ATV Mode)

Allows you to edit TV programmes in the Channel List.

1. Press the **Menu** button to select the **CHANNEL** menu.

2. Press the ▲▼ buttons to select **Channel Edit** and then press the **OK** button.



3. A Channel Edit screen will pop up. Press the ▲▼ buttons to select the programme you want to edit.

   a. **Delete**

   Press the **RED** button to delete the selected channel.

   b. **Move**

   Press the **YELLOW** button and then press the ▲▼ buttons to move to the selected channel. Press the **YELLOW** button or the **OK** button to confirm.

   c. **Skip**

   Press the **BLUE** button to select the channels that you want to skip when you are selecting channels. Press the **BLUE** button again to undo it.

   d. **Rename**

   Press the **GREEN** button to rename the selected channel. Press the ▲▼ buttons to select the characters to represent the station name. Press the ◄► buttons to move to the next character and then press the **OK** button to confirm the new name.

4. Press the **Menu** button to return back to the main menu.

5. Press the ↵ **Exit** button to exit the menu.

## Prgramme Edit (DTV Mode)

Allows you to edit TV programmes in the Channel List.

1. Press the **Menu** button to select the **CHANNEL** menu.

2. Press the ▲▼ buttons to select **Programme Edit** and then press the **OK** button.



3. A Programme Edit screen will pop up. Press the ▲▼ buttons to select the programme you want to edit.

   a. **Delete**

   Press the **RED** button to delete the selected channel.

   b. **Skip**

   Press the **BLUE** button to select the channels that you want to skip when you are selecting channels. Press the **BLUE** button again to undo it.

4. Press the **Menu** button to return back to the main menu.

5. Press the ↵ **Exit** button to exit the menu.

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## PVR (DTV Mode)

Allows you to select your preferences in the PVR .

1. Press the **Menu** button then press the ◀▶ buttons to select the **EXTRAS** menu.

2. Press the ▲▼ buttons to select **PVR** and then press the **OK** button.
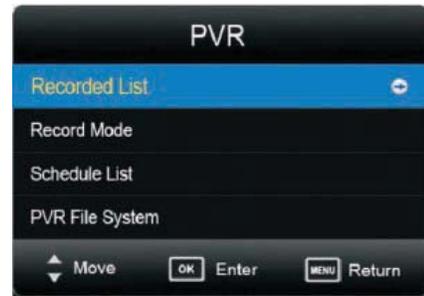
**Recorder List**  Press OK button to enter the recorder list menu:

Press RED button to delete any programme.

Press Info button to display programme informations.

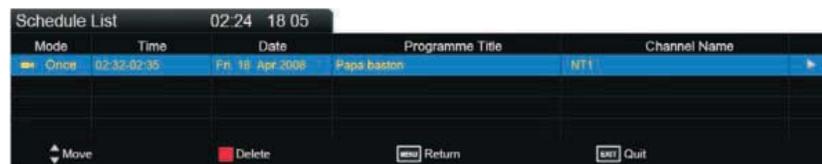**Recorder**  The TV will record the programme automatically according to your settings.

Press OK button to enter the timer record.

| | |
|---|---|
| **Start time:** Select the record time begin | |
| **End time:** Select the record time end | |
| Press the OK button to save and exit the menu | |

**Schedule List**  Press to display Schedule List.

Note: Delete any scheduled recordings out with the RED button.

**PVR File System (DTV Mode)**

Allows you to select your preferences in the PVR File System.



**Select Disk** :
Select the disk which
you want to record to, when there are
more than two recording devices.



**Time Shift Size** :

Select the amount of memory you wish
to allocate to the Time shift (record live
TVfunction)



**Format Start** :
Press [OK] button
to format device

**Speed Check** :
Press [OK] button
to check device speed. It will show
the value a few minutes later.

# Application

1. Press the **Menu** button to select the **Application** menu.

2. Press the ▲▼◄► buttons to select the item desired and then press the **OK** button.



Please ensure that the internet is connected to the TV with Wifi dongle or Ethernet cable before trying to activate any of the applications. Without internet connection none of the applications will function.

# Picture Setting

Allows you to set your preferred picture mode.

**1.** Press the **Menu** button and then press the ◄► buttons to select the SETTING menu.

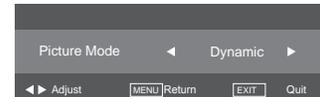**2.** Press the ▲▼ buttons to select the following picture options and then press the **OK** button.

---

**Picture Mode**

Press ◄/► to select the picture mode. (Available picture mode: Standard/Movie/Custom/Ecohome/Dynamic.)

⟷ **Alternative**

You may press the **Picture** button once and then press the ◄► buttons to select the picture mode directly.

| Picture Mode | ◄ | Dynamic | ► |
| --- | --- | --- | --- |
| ◄ ► Adjust | MENU Return | EXIT | Quit |

**Colour Temperature**

Press the ▲▼ buttons to cycle among colour temperature: Cool/ Natural / Warm / Custom and then press the **OK** button to confirm. Adjusts the colour components independently to achieve a warm or cool. (for Personal mode)
- Cool : Increases blue tint
- Natural
- **Warm**: Increases red tint
- custom

| Colour Temp | ◄ | Cool | ► |
| --- | --- | --- | --- |
| ◄ ► Adjust | MENU Return | EXIT | Quit |
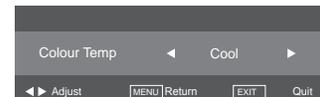
**Aspect Ratio:** Choose from 4:3,16:9,Zoom1,Zoom2,Just Scan

---

**Noise Reduction**

Press the ▲▼ buttons to select to reduce the noise level of the connected device: Off / Low / Middle / High / Auto and then press the **OK** button to confirm.

| Noise Reduction | ◄ | Cool | ► |
| --- | --- | --- | --- |
| ◄ ► Adjust | MENU Back | EXIT | Quit |
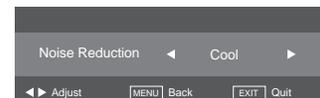
**Advanced Settings** (Only accessible in USER mode setting)

| **Contrast** | Press the ◄► buttons to adjust the difference between light and dark levels in the picture. (for Personal mode) |
| --- | --- |
| **Brightness** | Press the ◄► buttons to increase or decreases the amount of white in the picture. (for Personal mode) |
| **Colour** | Press the ◄► buttons to control the colour intensity (for Personal mode) |
| **Sharpness** | Press the ◄► buttons to adjust the level of crispness in the edges between light and dark areas of the picture. (for Personal mode) |
| **Tint** (For NTSC format) | Press the ◄► buttons to adjust the balance between red and green levels. (Tint is only available for NTSC signal input via the SCART or AV IN.) |

**Red:** Controls the red colour of the picture.

**Green:** Controls the green colour of the picture.

**Blue:** Controls the blue colour of the picture.

# Sound Setting

Allows you to select an audio-enhancement technique.

1. Press the **Menu** button and then press the ◄► buttons to select the
   **SETTING** menu.

2. Press the ▲▼ buttons to select the following sound options and then
   press the **OK** button.

| | |
|---|---|
| **Sound Mode** | Press the ▲▼ buttons to select an audio-enhancement technique: Standard / Music / Movie / Sports / Custom  and then press the **OK** button to confirm. |
| **EQ** | Press ◄ ► buttons to adjust values.<br><br>**Only accessible in USER mode setting** |



| | |
|---|---|
| **Balance** | Press ◄/► to adjust the value |
| **Auto Volume** | Press the ◄► buttons to turn on / off the auto volume. Select On to automatically control the volume. (e.g. advertisements tend to be louder than the programmes) |
| **AD Switch** (For DTV mode) | Audio Description is an auxiliary audio function that provides an additional audio track for visually challenged persons. This function handles the Audio Stream for the AD (Audio Description), when it is sent along with the main audio from the broadcaster.<br> • Set to "**Off**" for normal broadcasting sound coming out from speakers.<br> • Set to "**On**" to activate the description sound track if available. The availability of Audio Description sound track is indicated by the visually impaired icon "**V.I.**" in the information banner. |
| **AD Volume** | When the **AD Switch** Set to "**Off**", this function disavailable.<br>When the **AD Switch** Set to "**On**", you can press ◄► buttons to adjust the **AD Volume**. |
| **SPDIF Mode** | SPDIF is used to provide digital sound. Press [OK] button to set PCM or Auto. |

# TIME Setting

Allows you to adjust sleep timer.

**1.** Press the **Menu** button and then press the ◀▶ buttons to select the **SETTING** menu.

**2.** Press the ▲▼ buttons to select the following time options and then press the **OK** button.

**Clock**

the clock time is set automatically by the DTV TV Broadcasting signal

**Off Time**  Auto power off setting. Press [OK] button to display Off Time.
Press ◀/▶ to select the mode.( Available mode: Off~Once~Everyday-Mon~Fri-~Mon~Sat-~Sat~Sun~Sunday).Then set the hour and minute according to the prompt.

**On Time**  Auto power on setting. Press [OK] button to display On Time.
Press ◀/▶ to select the mode.( Available mode: Off~Once~Everyday-Mon~Fri-~Mon~Sat-~Sat~Sun~Sunday). Then set the hour, minute, source, channel, and volume according to the prompt.

**Sleep Timer**  The sleep timer automatically switches the TV to standby after the preset time has elapsed. The clock will be set automatically when receiving a digital signal. Time must be set before using Sleep Timer function.

**Auto Standby**  The unit will automatically switch to standby mode 4 hours after the last time the remote control was used. A reminder screen will pop up and count down before the unit switches to standby mode.If you want to operate the TV for a long period of time, turn off the auto standby function.

**Time Zone**  When you select a Time Zone city, the TV time is set by the time offset information based on Time Zone and GMT (Greenwich Mean Time) which is received with the broadcast signal and the time is set automatically by a digital signal.

# Lock Setting

To access the **LOCK** menu, you must enter the password. Enter the default password "**0000**" for first time use. To change the password, please refer to "**Set Password**".

## Lock System

The Lock System is designed to prevent accidental retuning of the TV / losing channels and prevent children watching unsuitable programmes.

The Lock System must be set to On for this function to operate. If the Lock System is set to On, a valid password must be entered when you access Auto Tuning / Manual Tuning / Restore Factory Default.

**1.** Press the **Menu** button then press the ◄► buttons to select the **SETTING** menu.

**2.** Press the ▲▼ buttons to select **Lock System** and then press the **OK** button.

**3.** Use the **0-9** buttons to input a 4-digit password to enter the **LOCK** menu.

⚠   • The default password is "**0000**".
    • If you change the password, be sure to remember the new password! If you forget the new password, press the master password "**8899**".

**4.** Press the ▲▼ buttons to select **Lock System** and then the **OK** buttons to select **On / Off**.
If the Lock System is set to On, a valid password must be entered when you access Auto Tuning / Manual Tuning / Channel Edit / First Time Installation / Restore Factory Default.

**5.** Press the **Menu** button to return to the previous menu. Press the ↵ **Exit** button to exit the menu.
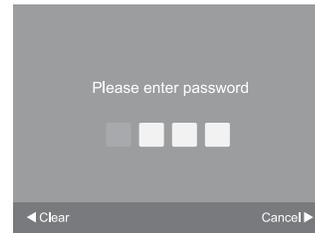
## Set Password

**1.** Press the **Menu** button and then press the ▲▼ buttons to select the **SETTING** menu and then press the **OK** button.

**2.** Press the ▲▼ buttons to select **Set Password** and then press the **OK** button.

**3.** Use the **0-9** buttons to input the old password and then input the new 4-digit password. Re-enter new password for confirmation.

⚠   • The default password is "**0000**".
    • If you change the password, be sure to remember the new password! If you forget the new password, press the master password "**8899**".

**4.** Press the **Menu** button to return to the previous menu. Press the ↵ **Exit** button to exit the menu.

## BLock Program

**BLock Program** is designed to prevent children watching unsuitable programmes.

1. Press the **Menu** button then press the ◀▶ buttons to select the **SETTING** menu.

2. Press the ▲▼ buttons to select **Lock** and then press the **OK**

3. press the **OK** and Use the **0-9** buttons to input a 4-digit password to enter the **LOCK** menu and then press the **OK** button to turn the Lock System **On**.

   ⚠ • The default password is "**0000**".
   • If you change the password, be sure to remember the new password! If you forget the new password, press the master password "**8899**".

4. Press the ▲▼ buttons to select **BLock Program** and then press the **OK** button.

5. A Block Channel screen will pop up. Press the ▲▼ buttons to select a channel. Press the **GREEN** button on the remote control to lock or unlock the channel. Press the **GREEN** button again to unblock.

6. Press the **Menu** button to return to the previous menu. Press the ↵ **Exit** button to exit the menu.

   ★ When a channel is blocked, a valid password must be entered.

## Parental Guidance

This function allows you to set up blocking schemes to block specific programmes and ratings. It operates according to information from the broadcasting station, therefore if the signal has incorrect information, this function will not operate.

This TV is programmed to remember which option it was last set to even if you switch the TV off.

1. Press the **Menu** button then press the ◀▶ buttons to select the **SETTING** menu.

2. Press the ▲▼ buttons to select **Parental Guidance** and then press the **OK** button.

3. Use the **0-9** buttons to input a 4-digit password to enter the **LOCK** menu and then press the **OK** button to turn the Lock System **On**.

   ⚠ • The default password is "**0000**".
   • If you change the password, be sure to remember the new password! If you forget the new password, press the master password "**8899**".

4. Press the ▲▼ buttons to select **Parental Guidance** and then press the **OK** button.

5. Press the ▲▼ buttons to select an age rating: Off, 4-18. Then press the **OK** button to confirm to return to the previous menu.

6. Press the **Menu** button to return to the previous menu. Press the ↵ **Exit** button to exit the menu.

   ★ When a programme is rated above the selected age rating, the programme will be blocked, a valid password must be entered.

## Hotel Setting

Hotel Mode is for users that require limited access to services and levels.

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## Option

Allows you to choose the option.

| | |
|---|---|
| **OSD Language** | Default is set to English. To change the language use the ►/◄ buttons. |
| **Audio Language** | If the programme providers transmit another language this may be selected. The default is set to English. |
| **Subtitle Language** | If the programme providers transmit another language this may be selected. |
| **Restore to Default** (Restore Settings) | Should you get all the settings incorrect, select this item.  When selected, press OK. All the TV settings will revert to "Factory default settings". Note :- Tuning memory and Passwords will NOT be affected. |
| **Signal Information** | Display Signal Information. |
| **CI Information** | Press [OK] button, it will show "No CI Module" if  no CI card is inserted. |

After you have inserted the  CI card, it will show "CI Module Inserted", then display the CI information.

**Hearing Impaired:**  Turn ON/OFF the Hearing Impaired function

**Software Update (USB) (DTV mode)**

This function is only for servicing purposes.

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# Option

## 6 PC Setting(Only used in the PC source)

Press Menu and use ▲▼◄► button to enter the PC Setting. You can adjust  the Horizontal Pos, Vertaical Pos, Size, Phase of the picture, or autoadjust by selecting "Auto Adjust".



## 7 Network Setting

1. Press the **Menu** button and then press the ◄► buttons to select the **Setting** menu.
2. Press the  ► buttons to select from the following options and then press the OK button. press the **OK** button

### 1 Wired
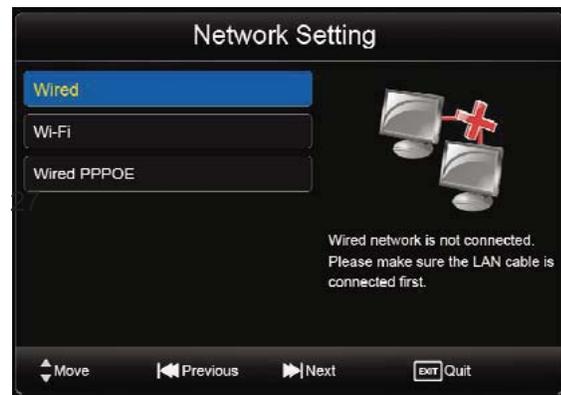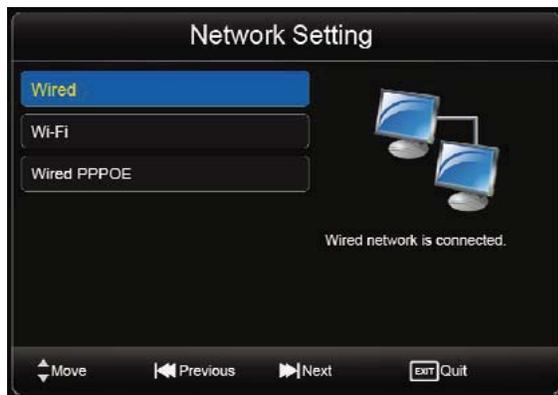


Press [OK] key to enter the settings of the wired network:



| Internet Protocol Setup | Manually set the IP of the wired network information, or to automatically obtain the IP information of the wired network |
|---|---|
| IP/Netmask/GatewayDNS | Manual state is selected; the Auto state is not optional |
| MAC Address | Displays the MAC address of the motherboard. Not selectable |

# Option

## 2 Wi-Fi

The Wireless connection status is displayed on the screen as below.



Press [OK] key to enter the wireless network settings:



| Wi-Fi Network | Turn Wifi on or off |
|---|---|

| Internet Protocol Setup / IP / Netmask / Gateway / DNS | Manual state is selected; the Auto state is not optional |
|---|---|

| MAC Address | Displays the MAC address of the motherboard.Not selectable |
|---|---|

| Base Station | Wireless network options |
|---|---|



■ (RED button)      Disconnect all wireless, leaving only the default items "Other (Hide the wireless AP),
■ (Green button)    Refresh network list.
■ (Yellow button)   show detailed information of the selected network.

# Option

a) If it is in the "Other (Hide the wireless AP)," press the [OK] key and the following menu will appear.



b) if the encrypted wireless network, press the [OK] key and the following menu will appear.



c) If you are using the non-encrypted wireless network, press the [OK] key and you will see the below:



## 3 Wired PPPOE
Set account and password. You will see the below menu:

# 3D Setting

## 3D Technology

This TV can display in 3D via 3D broadcasting or when the TV is connected to a compatible device, such as a Blu-ray 3D Player. You need such a device to watch the TV in 3D. The 3D TV displays two separate pictures formatted for each eye. The viewer needs to wear 3D glasses in order to see these images in 3D format.

> ⚠
> - When watching 3D images, you should maintain a distance of at least twice the screen width, and you should also be able to see all of the screen at eye level.
> - If you watch the 3D imaging too closely or for a long period of time, it may harm your eyesight.
> - Watching the TV or playing video games that incorporate 3D imaging with the 3D glasses for a long period of time can cause drowsiness, headaches or fatigue to you and/or your eyes. If you have a headache, or otherwise feel fatigued or drowsy, stop watching the TV and take a rest.
> - Pregnant women, seniors, persons with heart problems or persons who experience frequent drowsiness should refrain from watching 3D TV.
> - Some 3D imaging may cause you to duck or dodge the image displayed in the video. Therefore, it is best if you do not watch 3D TV near fragile objects or near any objects that can be knocked over easily.
> - Please prevent children under the age of 5 from watching 3D TV. It may affect their vision development.
> - Warning for photosensitization seizure: Some viewers may experience a seizure or epilepsy when exposed to certain factors, including flashing lights or images in TV or video games. If you or anybody from your family has a history of epilepsy or seizure, please consult with your doctor before watching 3D TV.
> - Also certain symptoms can occur in unspecified conditions without any previous history. If you experience any of the following symptoms, immediately stop watching the 3D imaging and consult a doctor: dizziness or lightheadedness, visual transition or altered vision, visual or facial instability, such as eye or muscle twitching, unconscious action, convulsion, loss of conscience, confusion or disorientation, loss of directional sense, cramps, or nausea. Parents should monitor their children, including teenagers, for these symptoms as they may be more sensitive to the effects of watching 3D TV.
> - Risk of photosensitization seizure can be reduced with the following actions.
>   – Take frequent breaks from watching 3D TV.
>   – For those who have vision that is different in each eye, they should watch the TV after taking vision correction measures.
>   – Watch the TV so that your eyes are on the same level as the 3D screen and refrain from sitting too closely to the TV.
>   – Do not watch the 3D imaging when tired or sick, and avoid watching the 3D imaging for a long period of time.
>   – Do not wear the 3D glasses for any other purpose than viewing 3D imaging on a 3D TV.
>   – Some viewers may feel disoriented after watching 3D TV. Therefore, after you watch 3D TV, take a moment to regain awareness of your situation before moving.

- To watch the TV in 3D, you must put on your 3D glasses. Do not move around while wearing the 3D Glasses as they may alter your sense of sight, balance and distance, leading to possible physical injury or property damage.

- After watching 3D TV, remove the 3D glasses and be aware of possible disorientation due to the change of balance and distance before moving around.

- After powering on the TV, a few seconds may be needed for your TV to calibrate.

- It may take a moment for you to see the 3D imaging if you look away from the TV and then revert your eyes back to the 3D programme.

- If there is an obstacle between the TV and the 3D glasses, the 3D imaging may not display properly.

- Do not use the TV in close proximity to other electronic equipments and RF equipments.

- When watching 2D images, it is recommended to take off the 3D glasses. If you watch 2D images with the 3D glasses on, you may see distorted images.

> ⚠
> - Additional 3D glasses are sold separately.
> - Do not use the 3D glasses to replace your corrective glasses, sunglasses or protective goggles.
> - Do not store the 3D glasses in hot or cold locations.
> - Do not drop objects onto the 3D glasses. Do not drop or bend the glasses.
> - Since the lenses of the 3D glasses are easily scratched, make sure to clean only with a soft cloth. Shake off any dust before using the cloth since the glasses are easily scratched.

# 3D Setting

## 3D Imaging Viewing Range

TV size, viewing angle & other circumstances may change the viewing distance and the angle of view.



Top View                                                    Side View

35°
150 - 200 cm
35°

10°
150 - 200 cm
10°
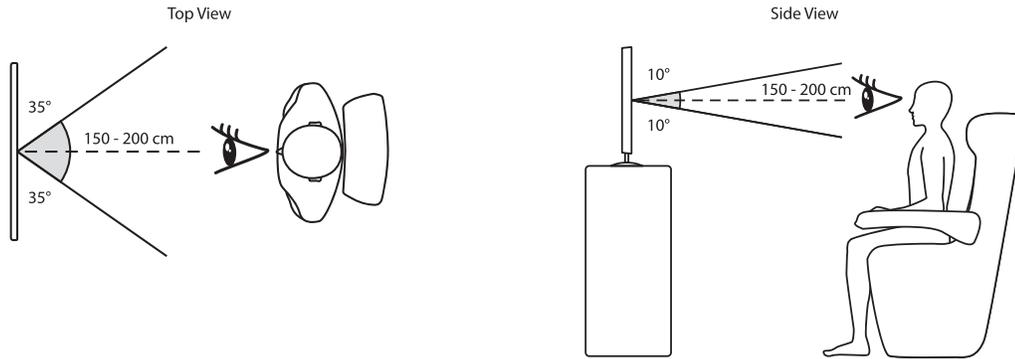
## Watching 3D TV

**1.** Start a 3D video playback from a Blu-ray disc, USB multimedia playback or 3D TV broadcasting, or turn on the 2D to 3D function.

**2.** Put on compatible 3D glasses.

**3.** The default 3D Type is Side by Side. Adjust the 3D Type setting if necessary to match the 3D video format. If the 3D picture layers look reversed or otherwise incorrect, adjust the **Exchange 3D L/R** setting.

**4.** Press the **EXIT** button to close the **3D Setup Menu**.



## Display Mode

This TV has the facility to display the 3D image as normal 2D, or to display normal 2D images as a simulated 3D effect.

| 3D to 2D | Press the ▲/▼ button to select the option. |
|---|---|
| 2D to 3D | Press the ▲/▼ button to select the option. |

## Display Format



Press the▲/▼buttons to choose a suitable 3D playback mode by matching the format of your 3D video to the available choice: Side by Side / Top Bottom / Frame Packing /Frame Alternative / Line Alternative/Native.

## Display Format



Press the▲/▼buttons to choose an option: Full Screen/Center/Auto Adapted.

## LR View Switch

Press the▲/▼buttons to choose a option: Exchange/Not Exchange.

This option switches the 3D projection view from Left to right  to right to left.

# EPG (Electronic Programme Guide) (DTV Mode)

This system has an Electronic Programme Guide (EPG) to help you navigate through all the possible viewing options.

The EPG supplies information such as programme listings, start and end times for all available services. In addition, detailed information about the programme is often available in the EPG (the availability and amount of programme information will vary, depending on the particular broadcaster).

This function can be used only when the EPG information is broadcast by broadcasting companies.

The EPG displays the programme details for the next 7 days.

## Switch On / Off EPG

**1.** Press the **EPG** button to switch on EPG.

**2.** Press the **EPG** button or the ⏎ **Exit** button again to switch off EPG and return to normal TV viewing.



## Select a Programme

Press the ▲▼ buttons to select the desired channel. Press the **OK** button to confirm.

### Button Functions in a 7 Days Guide

| Remote Control Button | Function |
| --- | --- |
| **RED** (Record) | • **Timer Programming**<br>See page 50 for details on **Timer Programming**.<br>• Press the **RED** button in the **Schedule List** to delete the selected preset reminder. |
| **GREEN** (Remind) | Press the **GREEN** button to display the remind menu, and set the time.<br>When the programme starts the TV will automatically switch to this programme. |
| **YELLOW** (Schedule) | Press the **YELLOW** button to view the preset reminders or scheduled recordings in the **Schedule List**. |

# Teletext (ATV Mode)

Teletext is a free service broadcast by some TV stations which gives up-to-the-minute information on news, weather, television programmes, share prices and many other topics. Using the Teletext control buttons you can view pages of information that are listed in the teletext index.

## To Turn on Teletext Function

⚠ Make sure the TV channel you are watching transmits teletext.
"No Teletext" sign will show on the screen if teletext is not available.

In ATV mode, press the **TEXT** button to enter Teletext mode.

Press the **TEXT** button three times to exit and the TV will return to the channel you were watching.

### To select a page of text

Find the number of the page in the index and enter it using the **0-9** buttons. The number of the page will appear on the top left corner of the screen.
The page counter will search for your page. When it finds it, the page will be displayed.
To move to the next page of text, press the ▲ button.
To move to the previous page, press the ▼ button.

### Mix

To view a page of text while watching a TV programme, press the **TEXT** button twice. The text will be superimposed over the TV programme.

### Fasttext

At the bottom of the teletext screen is a row of subject headings in red, green, yellow and blue.
The remote control has a row of colour buttons corresponding to the row of coloured subjects on the screen.
Pressing one of the colour buttons will take you directly to the page corresponding to the subject heading.

# Digital Teletext (DTV Mode)

Digital teletext can access special digital teletext services and specific services which broadcast digital teletext. You will need to turn off **Subtitle Function** before using teletext.

## Teletext within Digital Service

1. Press the **TEXT** button to display the teletext page. If no Teletext service is available, a "No Teletext" message will be displayed.

2. Press the **0-9** buttons to select a page number.

3. Follow the instructions on digital teletext and move onto the next step by pressing **OK**, ▲◀▶▼ , **RED**, **GREEN**, **YELLOW**, **BLUE** or **0-9** buttons etc.

4. To change digital teletext service, select a different service by pressing the **0-9** buttons or the ▲▼ buttons.

◇ **Alternative**
You may press the **RED** button to the **TEXT** button to display the teletext information when you see a ● red logo displayed on the screen (e.g. BBC).

5. Press the **TEXT** button to exit.

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# Connecting a USB Storage Device

1. Switch off the TV before connecting any USB storage device.

2. Connect your USB storage device to the USB port of your TV.

3. Plug the connected device into the mains socket

4. Press the **STANDBY** button on the TV or the
   button on the remote control
   to turn on your TV.

5. Press the **SOURCE** button on the TV or the
   **SOURCE** button on the remote
   control to display the Source List. Use the ▲▼
   buttons to select **USB** and then press the **OK**
   button to confirm.
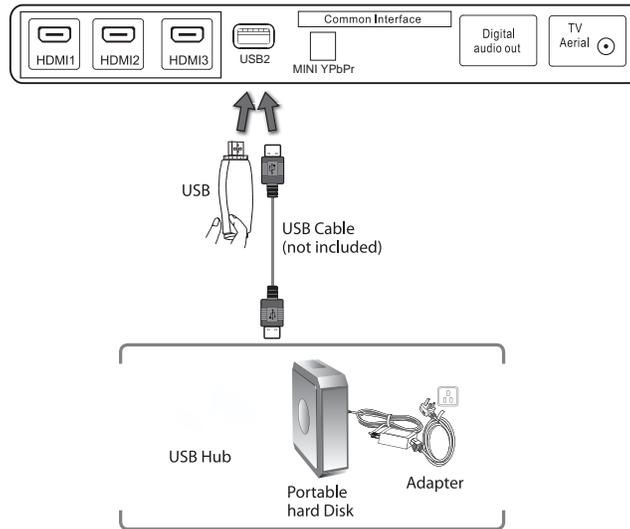


- If a hard disk is used, make sure its mains adapter is connected to the mains supply.
- If a USB hub is used, make sure its mains adapter is connected to the mains supply as the total current consumption may exceed 500mA.
- The maximum supported storage space of the hard disk is 1 TB.
- **The file system only supports FAT32 formats.**
- If you want to store the video streaming of a DTV programme, the transfer rate of the USB storage device must not be less than 5MB/s, otherwise the picture and sound of the programme will be affected and a warning statement will be shown on the screen. If this happens, please upgrade your USB storage device.
- The TV screen will be blank temporarily as it will take time to start up and stabilise the connected hard disk. This is normal and the starting time may vary depending on the brand and the memory size of the connected hard disk.
- Disconnect the USB storage device if it is not in use.

# Multimedia Operation

1). Press the  menu  button on the remote control to display the input source menu, select the
Media Player with the ◄ ► buttons and  press the OK button to enter the Multimedia menu below.

2). Insert the USB device,  the name of the device  will be displayed on the screen.

3). Press  ◄/► button to select the files on the USB device (PHOTO, MUSIC, MOVIE ) to view
or play.



Press ◄/ ►/ ▲/ ▼buttons to select and the OK button to activate the file or open folder. Press
� button to play the files in full screen mode. When in full screen mode press the **OK** button to
show the navigation option menu on the bottom of the screen or press ■ stop button to return to files.

## Multimedia Operation

### 1. Movie

If you select Movie, press [OK] button to focus the USB icon, then press [OK] again to the FileSelector menu.

Press▲/▼ button to select file, press [OK] button to mark " √ " and add it into playlist.
If the file is highlighted blue 1-2 seconds, the file will play in the preview

Press [PLAY] button to play the selected files in the full screen.
Press [EXIT] button to quit.





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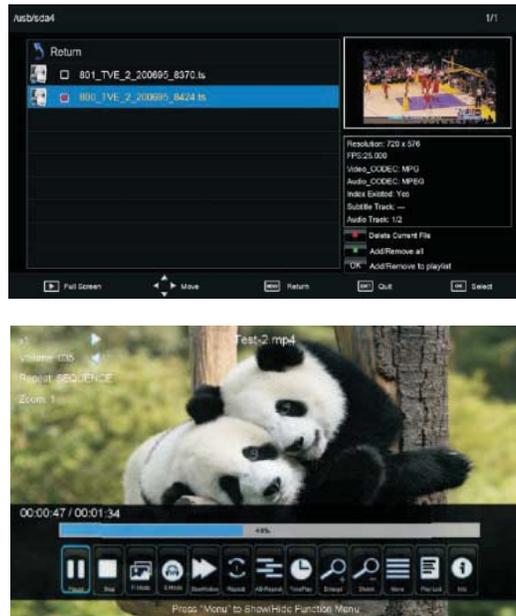
### 2. Music

Listen to music



Back to the Media Player menu and select Music, press [OK] button to focus the USB icon, then press [OK] again to the File Selector menu.

Press [PLAY] button to play the selected files in the full screen.
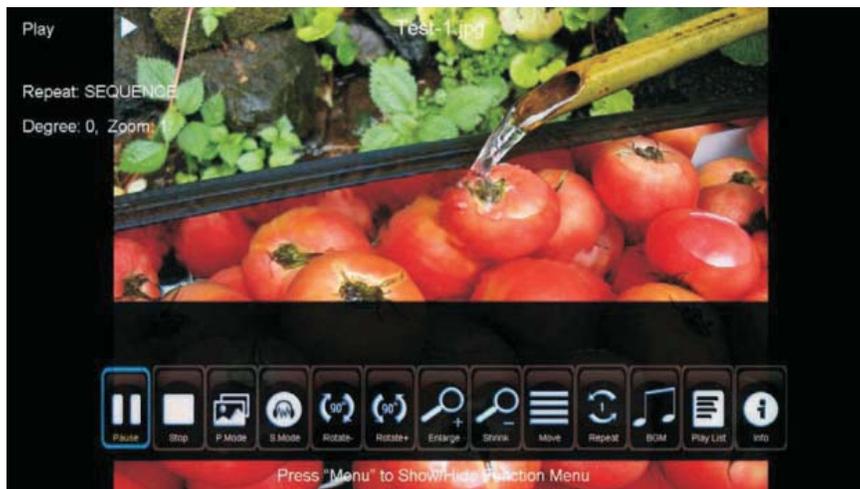Press [EXIT] button to quit.

## 3. Photo

Photo viewing

Back to the Media Player menu and select Photo, press [OK] button to focus the USB icon, then press [OK] again to the File Selector menu.
Press [PLAY] button to play the selected files in the full screen.
Press [EXIT] button to quit.

# Maintenance

Careful and regular cleaning can prolong the life of your TV.

⚠ Be sure to Disconnect the mains cable from the mains
socket before any cleaning.

1. Use a soft dry cloth to wipe away the dust from the screen and surfaces.

2. If the surfaces are extremely dirty, clean the TV with a cloth which has been dipped in a weak soapy water. Wring the cloth until it is almost dry, then use it to wipe the TV.

3. Ensure there is no excess water on the screen. Allow any water or dampness to evaporate before switching the TV on.
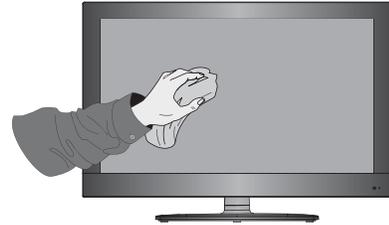
⚠ Never use alcohol, benzine, paint-thinner, cleaning fluid or other chemicals.
Do not use compressed air to remove dust.

# Hints and Tips

The following table contains various hints and tips to get the best performance from your TV.

| **The TV does not operate properly.** | |
|---|---|
| **The TV does not respond when pressing any buttons** | • The TV may freeze up during use. Disconnect the mains cable from the mains socket for a few minutes. Reconnect the mains cable and try to operate it again as usual. |
| **TV cannot be switched on** | • Check that the TV is connected to the mains supply<br>• Make sure all connected AV devices are switched off before switching on your TV |
| **The remote control does not work** | • Check to see if there are any objects between the TV and the remote control causing an obstruction. Ensure that you are pointing the remote control directly at the TV.<br>• Ensure that the batteries are installed with the correct polarity (+ to +, - to -).<br>• Install new batteries. |
| **Power is suddenly turned off** | • Check the power of the TV. The mains supply maybe interrupted.<br>• Check if the sleep timer is set.<br>• Check whether the Auto Standby is activated. |

| **The video function does not work.** | |
|---|---|
| **No Picture & No Sound** | • Check whether the TV is switched on.<br>• Try another channel. The problem may be caused by the broadcaster. |
| **Picture appears slowly after switching on** | • This is normal, the image is muted during the TV startup process. Please contact your service centre, if the picture has not appeared after five minutes. |
| **No or poor colour or poor picture** | • Adjust the settings in the **PICTURE** menu.<br>• Try another channel. The problem may be caused by the broadcaster.<br>• Check if the video cables are connected properly. |
| **Horizontal / Vertical bar or picture shaking** | • Check for local interference such as an electrical appliance or power tool. |
| **Poor reception on some channels** | • Station or cable channel may be experiencing problems, tune to another station.<br>• Station signal is weak, reposition the aerial for better reception.<br>• Check for sources of possible interference. |
| **Lines or streaks in pictures** | • Check aerial (Change the position of the aerial.) |
| **No pictures when connecting HDMI** | • Check if the input source is **HDMI1 / HDMI2 / HDMI3**. |
| **Picture appears in wrong ratio** | • Adjust the **Aspect Ratio** settings in the **SETUP** menu. |

**The audio function does not work.**

| | |
|---|---|
| **Picture OK but no sound** | • Press the **VOL** + / - buttons.<br>• Sound muted? Press the ⊄ button.<br>• Try another channel. The problem may be caused by the broadcaster. |
| **No output from one of the speakers** | • Adjust the **Balance** settings in the **SOUND** menu. |
| **Unusual sound from Inside the TV** | • A change in ambient humidity or temperature may result in an unusual noise when the TV is switched on or off and does not indicate a fault with the TV. |
| **No sound when connecting HDMI** | • Check if the input source is **HDMI1 / HDMI2 / HDMI3**. |
| **Audio noise** | • Keep the RF coaxial cable away from the other connected cables. |

**Password**

| | |
|---|---|
| **Lost password** | • Select the **Set Password** setting in the **LOCK** menu, then enter the following master password "**8899**". The master password clears your previous password and allows you to enter a new password. |

**There is a problem in PC mode.**

| | |
|---|---|
| **The signal is out of range (Invalid format)** | • Adjust the resolution, horizontal frequency, or vertical frequency. |
| **Vertical bar or stripe on background & Horizontal Noise & Incorrect position** | • Use Auto configure or adjust clock, phase, or H/V position. |
| **Screen colour is unstable or single colour** | • Check the signal cable.<br>• Reinstall the PC video card. |

**FAQs (Frequently Asked Questions)**

| | |
|---|---|
| **Why have I lost some / all of my channels?** | • It happens sometimes, if you have a weak signal. Usually it just means you'll need to rescan your digital box or TV. Don't worry, it easy to do. And once you've done it, you should get all the Freeview channels available to you. If problems persist you may need to get your aerial checked. Talk to your retailer or contact your local aerial installer. |
| **Why do I get 'blocking' on my digital picture?** | • In most cases, blocking is caused by a reception problem – either the signal is too weak or there is some kind of interference. Talk to your retailer or contact your local aerial installer.<br>• Blocking can also be caused by a digital signal that is too strong. If you are still experiencing blocking and the signal is strong, consult your local aerial installer for advice. |
| **Can I watch Freeview using a portable set-top aerial?** | • Some, but only a few, homes may be able to use a set top aerial. However, for a much better reception, we strongly recommend that you use a rooftop aerial.<br>• If you do not have access to a rooftop aerial – for example, if you rent a flat and the aerial is the responsibility of your landlord, or if you're using a second TV in the bedroom and don't want the hassle and expense of using extension cables, a set – top aerial may be your only option. |
| **What type of aerial do I need?** | • If you are installing a new aerial, we recommend a wideband rooftop aerial rather than a loft aerial. Loft aerials generally receive a weaker digital signal and are more likely to get interference from other electrical devices in the home. We suggest you have an aerial survey done before getting an aerial upgrade.<br>• Talk to your retailer or contact your local aerial installer. |

# Display Modes

The screen resolution has been optimised during production for the display modes listed below.

## YPbPr Mode

| Resolution | Vertical Frequency (Hz) | Aspect Ratio |
|---|---|---|
| 480i : 720 x 480 | 60 | 4:3 / 16:9 / Zoom1 / Zoom2 |
| 480P: 720 x 480 | | |
| 576i : 720 x 576 | 50 | |
| 576P: 720 x 576 | | |
| 720P: 1280 x 720 | 50 | |
| | 60 | |
| 1080i : 1920 x 1080 | 50 | |
| | 60 | |
| 1080P: 1920 x 1080 | 50 | |
| | 60 | |

## PC Mode

Please check the display settings of your computer before connecting to the TV. If the display setting of your computer does not match the TV, there may be no video.

| Resolution | Vertical Frequency (Hz) | Aspect Ratio |
|---|---|---|
| 640 x 480 | 60 | 4:3 / 16:9 |
| | 72 | |
| | 75 | |
| 800 x 600 | 60 | |
| | 72 | |
| | 75 | |
| 1024 x 768 | 60 | |
| | 70 | |
| | 75 | |
| 1440 x 900 | 60 | |
| 1920 x 1080 | 60 | |

## HDMI Mode

| Resolution | Vertical Frequency (Hz) | Aspect Ratio |
|---|---|---|
| 480i : 720 x 480 | 60 | 4:3 / 16:9 / Zoom1 / Zoom2 / Just Scan |
| 480P: 720 x 480 | | |
| 576i : 720 x 576 | 50 | |
| 576P: 720 x 576 | | |
| 720P: 1280 x 720 | 50 | |
| | 60 | |
| 1080i : 1920 x 1080 | 50 | |
| | 60 | |
| 1080P: 1920 x 1080 | 50 | |
| | 60 | |

# Specifications

| Model | C47227 3D IPTV T2IPTV T2 |
|---|---|
| **Panel System** | 47 inch LED Panel |
| **Display Resolution** | 1920 (H) x 1080 (V) pixels |
| **Television System** | PAL I / BG / DK / SECAM BG/DK |
| **Brightness** | 300 cd/m$^2$ |
| **Contrast Ratio** | 1400:1 |
| **Power Source** | 100-240V~50/60Hz |
| **Energy Efficiency Class** | A |
| **Screen Size (measured diagonally)** | 47 inch LED Panel(Approx. 119cm) |
| **Power Consumption** | 84 W |
| **Average Annual Energy Consumption** | 123kWh |
| **Standby Power Consumption** | <0.5 W |
| **Operating Temperature** | 0°C – 40°C |
| **Vesa Wall mounting size / Screw size** | 400 x 400mm/M6 x25 |
| **Speaker Power** | 8 W + 8 W |
| **Dimension (W x D x H)without base** | 1123x45x727mm |
| **Dimension (W x D x H) with base** | 1123x260x735mm |
| **Weight (Net)** | 17.7kg |
| **Inputs / Output** | |
| **SCART** | 1 |
| **HDMI** | 3 |
| **PC** | 1 |
| **PC AUDIO** | 1 |
| **YPbPr** | 1 |
| **Common Interface** | 1 |
| **AV** | 1 |
| **USB** | 2 |
| **DIGITAL (Coaxial)** | 1 |
| **RF (75 Ω)** | 1 |
| **Earphone (3.5mm)** | 1 |

Features and specifications are subject to change without prior notice.

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# Safety Warnings

- Read all the instructions carefully before using the unit and keep them for future reference.
- Retain the manual. If you pass the unit onto a third party make sure to include this manual.
- Check that the voltage marked on the rating label matches your mains voltage.

**Damage**
- Please inspect the unit for damage after unpacking.
- Do not continue to operate the unit if you are in any doubt about it working normally, or if it is damaged in any way - switch off, withdraw the mains plug and consult your dealer.

**Location of Unit**
- The unit must be placed on a flat stable surface and should not be subjected to vibrations.
- Do not place the unit on sloped or unstable surfaces as the unit may fall off or tip over.
- The mains socket must be located near the unit and should be easily accessible.
- This unit is designed for indoor use only.

**Temperature**
- Avoid extreme degrees of temperature, either hot or cold. Place the unit well away from heat sources such as radiators or gas / electric fires.
- Avoid exposure to direct sunlight and other sources of heat.

**Naked Flames**
- Never place any type of candle or naked flame on the top of or near the unit.

**Moisture**
- To reduce the risk of fire, electric shock or product damage, do not expose this unit to rain, moisture, dripping or splashing. No objects filled with liquids, such as vases, should be placed on the unit.
- If you spill any liquid into the unit, it can cause serious damage. Switch it off at the mains immediately. Withdraw the mains plug and consult your dealer.

**Ventilation**
- To prevent the risk of electric shock or fire hazard due to overheating, ensure that curtains and other materials do not obstruct the ventilation vents.
- Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure the unit is well ventilated.
- Make sure that there is a gap of at least 10 cm on both sides and a gap of 20 cm at the top.
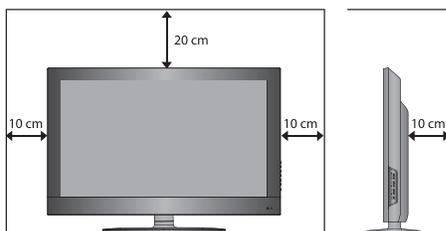


**Safety**
- Always disconnect the unit from the mains supply before connecting / disconnecting other devices or moving the unit.
- Unplug the unit from the mains socket during a lightning storm.

**Mains Cable**
- Make sure the unit or unit stand is not resting on top of the mains cable, as the weight of the unit may damage the mains cable and create a safety hazard.
- If the mains cable is damaged it must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid a hazard.

**Interference**
- Do not place the unit on or near appliances which may cause electromagnetic interference. If you do, it may adversely affect the operating performance of the unit, and cause a distorted picture or sound.

**Optimum viewing**
- View the unit in moderate light to prevent eye strain. It is recommended to watch the unit from a distance 3-7 times that of the screen height.

**LCD screen**
- The LCD screen is manufactured using high-precision technology. However, some tiny black points and / or bright points (red, blue or green in colour) may constantly appear on the LCD screen. These points are generated in the manufacturing process and are normal.

**Screen Burn**
- A characteristic of Plasma and LCD TV Panels is that displaying the same image for a long time may cause a permanent after-image to remain on the screen. This is called screen burn. Most pictures shown on the unit will be constantly moving and fill the screen.
- Examples of images that you need to watch out for are as follows (this is not an all-inclusive list):
  1. **Black Bars:** If black bars appear at the left / right or top / bottom of the screen, it is recommended to change the format so that the picture fills the entire screen.
  2. **TV Channel Logos:** e.g. Shopping channel logos and pricing displays - especially if they are bright and stationary. Moving or low-contrast graphics are less likely to cause ageing of the screen.
  3. **Time Displays**
  4. **Teletext:** Do not view a stationary page for long periods of time.
  5. **TV Menus**
  6. **Pause Mode:** Do not leave the screen in pause mode for long periods of time, e.g. when watching videos.
- To prevent screen burn if viewing any of the above for long periods of time, reduce contrast and brightness when viewing. Once burn-in occurs it will never disappear completely.

**Headphones**

- Listening to loud sounds for prolonged periods of time may permanently damage your hearing.

- Before putting on headphones, turn the volume down then put the headphones on and slowly increase the volume until you reach a comfortable listening level.

**Standby**

- The ⏻ button on the remote control does not switch off the unit completely. The unit will continue to draw electricity from the mains supply while in standby. In the interests of safety and to avoid unnecessary energy consumption, never leave the unit in standby while unattended for long periods of time, e.g. overnight, while on holiday or while out of the house. Switch it off and disconnect the mains plug from the mains socket.

**Batteries**

- Batteries used in the remote control for this unit are easily swallowed by young children and this is dangerous.

- Keep loose batteries away from young children and make sure that the battery holder tray is secure in the remote control. Seek medical advice if you believe a cell has been swallowed.

- Please dispose of batteries correctly by following the guidance in this manual.

**Supervision**

- Children should be supervised to ensure that they do not play with the unit and the remote control.

- Never let anyone especially children push anything into the holes, slots or any other openings in the case - this could result in a fatal electric shock.



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

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

**Service**

- To reduce the risk of electric shock, do not remove screws. The unit does not contain any user-serviceable parts. Please leave all maintenance work to qualified personnel.

- Do not open any fixed covers as this may expose dangerous voltages.

**Maintenance**

- Ensure to unplug the unit from the mains socket before cleaning.

- Do not use any type of abrasive pad or abrasive cleaning solutions as these may damage the unit's surface.

- Do not use liquids to clean the unit.

## Important Note

This TV is fitted with the latest ECO friendly power saving technology. If whilst viewing the TV remote control is not used for a period of 4 hours, the Auto Standby feature will operate and power down the TV.

A warning message will be displayed to inform you that the TV is about to power down.

⚠

Packaging materials are not toys. Please keep away from children. Plastic bags can cause suffocation when pulled over the head.

# Waste Electrical Recycling

**Correct disposal of Product**

This sign indicates that this product may not be disposed of with your regular household waste. The recycling and separate collection of such products is your responsibility. Please drop off the above mentioned waste at a designated place for recycling waste electrical and electronic equipment. If you do not know where to drop off your waste equipment for recycling, please contact your local city office or household waste collection service.

The crossed out wheeled dust bin symbol indicates that batteries and /or accumulators must be collected and disposed of separately from household waste.

If the battery or accumulator contains more than the specified values of lead (Pb), mercury (Hg), and/or cadmium (Cd) defined in the Battery Directive (2006/66/EC), then the chemicals symbols for lead(Pb), mercury (Hg) and/or cadmium (Cd) will appear below the crossed out wheeled dust bin symbol.

By participating in separate collection of batteries, you will help to assure the proper disposal of products and batteries thus help to prevent potential negative consequences for the environment and human health.

For more detailed information about the collection and recycling programmes available in your country, please contact your local city office or the shop where you purchased this product.

This appliance complies with European Safety and Electrical directives.

It fullfils the following EU regulations:

EN 55022:2006+A1:2007
EN 55013:2001+A1:2003+A2:2006
EN 61000-3-2:2006+A1:2009+A2:2009
EN 61000-3-3:2008
EN 55024:1998+A1:2001+A2:2003
EN 55020:2007