23.6” (60cm) HD LED LCD TV with Built-in DVD Player

Instruction Manual
L24HTC17a
24 Month Manufacturer’s Warranty
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# Guide to the Television

## Front / Right Side View and Rear Controls

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
</table>
| 1    | **POWER LED**  
Illuminates blue when the TV is turned on. Illuminates red when the TV is in standby mode. The LED will illuminate blue and then blink red and blue confirming that a timer recording programme 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    | **Disc Slot**  
Insert a disc with the label side facing towards the front of the TV. (12 cm discs only. Don’t insert 8 cm discs.) |
| 4    | **▲**  
Press to eject disc. (DVD mode) |
| 5    | **►/■**  
Press to start playback or pause. (DVD mode) |
| 6    | **VOL + / −**  
Adjusts the volume.  
Press to select and adjust a setting in the OSD menu. |
| 7    | **CH + / −**  
Press to select a channel or select a sub-menu from the OSD menu. |
| 8    | **MENU**  
Displays the OSD (on screen display) menu. |
| 9    | **INPUT**  
Press to select among different input signal sources:  
DTV / ATV / AV / YPbPr / HDMI / PC / USB / DVD.  
Use the ▲▼ buttons on the remote control to select the input, and then press the **OK** button to confirm. |
| 10   | **○**  
Switches the TV on from standby mode.  
Switches the TV back to standby mode. |
# Guide to the Television

## Rear View and Sockets

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 DC IN</td>
<td>Connects the mains adapter cable to the mains socket.</td>
</tr>
<tr>
<td>2 HEADPHONE</td>
<td>Connects to the headphones.</td>
</tr>
<tr>
<td>3 PC AUDIO / VGA</td>
<td>Connects to a computer or other devices with a VGA interface.</td>
</tr>
<tr>
<td>4 Y, Pb, Pr / AUDIO (L/R)</td>
<td>Connects to a DVD player, Digital Set-Top-Box, or other AV devices with component (YPbPr) video and audio output sockets.</td>
</tr>
<tr>
<td>5 Digital Audio Output (Coaxial)</td>
<td>To connect to the audio socket on the digital/standard 5.1 audio system.</td>
</tr>
<tr>
<td>6 RF</td>
<td>Connects to the aerial socket on the wall with the RF coaxial cable.</td>
</tr>
<tr>
<td>7 VIDEO / AUDIO (L/R)</td>
<td>Connects to the Composite output sockets on external video devices.</td>
</tr>
<tr>
<td>8 USB</td>
<td>Allows the insertion of a USB storage device to play video, audio, photo and text files (USB mode) and record DTV programmes on to a USB storage device.</td>
</tr>
<tr>
<td>9 HDMI</td>
<td>Connects to a High-Definition (HD) signal output device, such as a set-top box, blu-ray disc player or AV receiver.</td>
</tr>
</tbody>
</table>
Guide to the Television

Remote Control

1. **Infrared LED**
   Sending IR signals to TV. Do not put anything near the sensor, as its function may be affected.

2. **Switch the TV between on and standby mode.**

3. **Mute and restore your TV sound.**

4. **SLEEP**
   Set the TV sleep timer: OFF / 5 / 15 / … / 120 / 240 min.

5. **ASPECT**
   Watch the screen in various formats: Auto / 4:3 / 16:9 / Zoom / Subtitle / Smart Zoom.

6. **SMODE**
   Select sound mode: Standard / Movie / Music / Personal.

7. **PMODE**
   Select picture mode: Standard / Mild / Personal / Dynamic.

8. **0-9 Number Button**
   - Press to select a programme.
   - Select numbered items in a menu. (DVD mode)

9. **LIST**
   - Display the channel list. (ATV / DTV mode)

10. **REPEAT**
    - Return to the previous viewing channel. (ATV / DTV mode)
    - Return to menu (DVD mode)
    - Select between different repeat modes. (DVD mode)

11. **GUIDE**
    Displays the EPG Electronic Programme Guide. (DTV mode)

12. **i**
    - Display the present channel information such as the current time and channel name. (ATV / DTV mode)
    - Display the present disc information. (DVD mode)

13. **Record the current programme. (DTV mode).**

14. **Coloured buttons**
   - Access the TELETEXT items (ATV / DTV mode)
   - Access menu options.
   - Programme the DVD. (DVD mode)

15. **MENU**
    Display the OSD (On Screen Display) menu.

16. **INPUT**
    Select among the different input signal sources: DTV / ATV / AV / YPbPr / HDMI / PC / USB / DVD.
17. \( \text{\textarrowupdown}\) Allows you to navigate the OSD menus and adjust the system settings to your preference.

   \textbf{OK}
   Confirm the selection in the OSD menus.

18. \text{BACK}
Return to the previous menu in the OSD menus.

19. \text{Exit}
Exit the OSD menu.

\textbf{DVD SETUP}
Display and exit the DVD setup menu. (DVD mode)

20. \text{S (Subtitle)}
- Display subtitles which are broadcast with the programme. (DTV mode)
- Display subtitles on the DVD. (DVD mode)

21. \text{CH \textarrowupdown}\nSelect a channel.

22. \text{VOL \textarrowupdown}
Adjust the volume.

23. \text{AUDIO}
- Turn on / off the Audio Description (AD) function (only applicable when the TV programme has this feature). (DTV mode)
- Select different Audio mode on DVD mode. (DVD mode)
- Select Stereo / Dual Sound Reception. (ATV mode)

24. \text{HOLD (No Function)}
   \text{Play / Pause}
   To start the timeshift playback. (DTV mode)
   To start playback or pause. (DTV / DVD / USB mode)

25. \text{REVEAL (No Function)}
   \text{Reverse}
   Reverse playback rapidly. (DVD / USB mode)

26. \text{SIZE (No Function)}
   \text{Advance}
   Advance playback rapidly. (DVD / USB mode)

27. \text{MIX (No Function)}
   \text{Skip}
   To skip to the beginning of the previous chapter / track / photo. (DVD / USB mode)

28. \text{INDEX (No Function)}
   \text{Stop}
   Stop the playback or recording. (DVD / USB / DTV mode)

29. \text{S.PAGE (No Function)}
   \text{Skip}
   Skip to the beginning of the next chapter / track / photo. (DVD / USB mode)
30. TEXT
Turn on and off the teletext function. (DTV mode)

ZOOM
Zoom in on the displayed frame. (DVD mode)

31. FAV
Display the favourite channel list. (ATV / DTV mode)

(DVD) MENU
Display the DVD menu. (DVD mode)

32. TV.RD
A short-cut to switch input source to TV / Digital radio channels.

ANGLE
Select different angles for the video. (DVD mode)

33. TITLE
Display the DVD title content. (DVD mode)

34. SLOW
Play video slowly. (DVD mode)

35. ▲
Eject a disc. (DVD mode)

CANCEL (No Function)
Guide to the Television

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 AAA size batteries. Make sure the (+) and (-) ends of the batteries match 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.
Guide to the Television

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 RF (75Ω) socket at the rear right bottom of your TV.

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

2. Unwind the mains adapter cable to its full length. Connect the AC socket at the rear of the TV. Connect the mains adapter cable to a mains socket after you have completed all the connections. Make sure the mains plug is fully inserted into the mains socket.

3. At this stage, the TV switches to standby mode. The red LED indicator will illuminate on the front panel of the TV.

4. In standby mode, press the button on the rear panel of the TV or on the remote control to turn the TV on. The red LED indicator will turn blue.

   • Always disconnect the TV from the mains socket when not in use for a long period of time.
   • The button on the rear panel of the TV or 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 plug from the mains socket.

First Time Setup

1. The first time you turn the TV on, it will go straight into the First Time Setup menu. Please ensure the aerial is plugged in. (If you have already installed the TV using the Quick Start Guide, please go to the section “Selecting the Input Source” on the next page.)

2. Press the buttons to select your desired language to be displayed on the menu. The default on-screen menu language is set as English.
Guide to the Television

3. Press the ▼ button to select **Mode Setting**. Press the ◄► buttons to select your desired mode. If select **Store Mode**, a pop-up menu will be display. Press the OK button to confirm or press any button to cancel and return to the **Mode Setting** menu.

<table>
<thead>
<tr>
<th>Home Mode</th>
<th>Intended for use in home environment.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shop Mode</td>
<td>Intended for use in retail environment.</td>
</tr>
</tbody>
</table>

4. Press the ▼ button to select **Country**. Press the ◄► buttons to select the country option.

5. Press the ▼ button to select **Auto Scan**. Press the ◄► buttons to select **DTV / ATV / DTV + ATV**.

6. Press the ▼ button to select **LCN** (Logical Channel Number). Press the ◄► buttons to select **On / Off**.

7. Press the ▼ button to select **Start** and then press the OK button. Channel tuning will commence. This operation may take up to few minutes. The display will show the progress of the tuning and the number of channels found.

8. If you select **DTV + ATV** and you want to skip the DTV tuning during scanning, press the MENU button to interrupt the tuning half way.

9. After tuning is complete, the channels are arranged in a preset order. If you wish to skip channels, modify the preset order or rename channels, select **Channel Edit** under the **Channel** menu (refer to page 27-29 for details).
Guide to the Television

Selecting the Input Source

1. Press the INPUT button on the TV or on the remote control to display the INPUT SOURCE list.

2. Press the ▲▼ buttons to select the input source that you want: DTV / ATV / AV / YPbPr / HDMI / PC / USB / DVD.

3. Press the OK button to confirm your selection.

Alternative
Press the CH ▲ / ▼ buttons to switch to DTV mode directly.

Channel Selection

• Press the CH + / – buttons on the rear panel of the TV or the CH ▲ / ▼ buttons on the remote control repeatedly or the 0-9 buttons to select the channel.

Alternative
Press the LIST 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 (refer to page 32 for details on Channel Locks).

• Press the FAV button to view the Favourite List. Then the ▲▼ buttons to select your favourite list and then use the ▲▼ buttons to highlight and select the channel from the list. Press the OK button to view the selected channel (refer to page 29 for details on Favourite Manager).

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

Listening to the Radio (Radio Mode)

• In DTV mode, press the TV.RD button to switch between DTV and Digital radio channel.

• Press the CH ▲ / ▼ buttons on the remote control repeatedly to change the radio stations.

Alternative
Press the LIST button to enter the Channel List. Then use the ▲▼ buttons to highlight and select the station. Press the OK button to listen to the selected station.

• Press the GUIDE button to see all the stations in the Programme Guide (refer to page 46 for details on EPG).

Display Channel Information

Press the button to view the current information.

Volume Adjustment

• Press the VOL + or – button on the rear panel of the TV or the VOL ▲ / ▼ buttons on the remote control to adjust the volume.

• If you wish to switch the sound off, press the button. You can turn the volume down while your TV is in mute mode. Press the VOL – button on the TV or the VOL ▼ button on the remote control, you will see the volume level reduce, but you won’t hear anything at the moment. To listen to your TV at the new lower level, press the button again or VOL + button on the TV or the VOL ▲ button on the remote control.
Caring for the Environment

Responsible Disposal of the Packaging
The packaging of your television has been selected from environmentally friendly materials and can usually be recycled. Please ensure these packing materials are disposed of correctly.
Plastic wrapping can be a suffocation hazard for babies and young children, please ensure all packaging materials are out of reach and are safely disposed of. Please ensure they are offered for recycling rather than throwing these materials away.

Responsible Disposal of Appliance
At the end of its working life, do not throw this television out with your household rubbish. An environmentally friendly method of disposal will ensure that valuable raw materials can be recovered and used again.
Electrical and electronic appliances contain materials and substances which, if handled or disposed of incorrectly, could be potentially hazardous on the environment and human health.
Observe any local regulations regarding the disposal of electrical consumer goods and dispose of it appropriately for recycling. Contact your local authorities for advice on recycling facilities in your area.
The plug must be rendered useless and the cable cut off directly behind the appliance or the machine to prevent misuse.
Safety Information and Warnings

Symbols

The symbols used in this manual or on the back cover of the television set means:

- Read this Instruction Manual before use
- Enclosures contain dangerous voltages
- Please refer to important operating and maintenance/servicing instructions that accompany the appliance

Important Safety Instructions

When using any electrical apparatus, always observe safety regulations and use basic safety precautions to reduce the risk of fire, electric shock, and/or personal injury including any of the following:

1. Read, keep and follow this Instruction Manual, ensuring to heed all warnings.
2. Keep out of reach of young children. This television is not suitable for use by young children or infirm persons without supervision. Young children must be supervised to ensure that they do not play with the television.
3. This television is not intended for use by persons (including young children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised or have been given instructions concerning the use of the television by a person who is responsible for their safety.
4. Ensure that the television is positioned in a stable location to avoid the risk of the television falling. Many injuries, particularly to children, can be avoided by taking simple precautions such as:
   - Using a stable and appropriately sized television cabinet. Ensure its stability by using a television safety strap to attach the television to the cabinet.
   - Use the stand which has been supplied with your television set.
   - Ensuring the television is not hanging over the edge of supporting furniture.
   - Not placing the television on tall furniture (e.g. cupboards, book cases etc.) without anchoring both the furniture and the television to a suitable support.
   - Ensure that the television is placed directly on supporting furniture, avoiding placing fabric, cloth or other materials between the television and the supporting furniture.
   - Educating children about the dangers of climbing on furniture to reach for the television and/or its controls.
5. WARNING! Do not insert any objects into any openings of the television.
6. WARNING! Do not touch any moving parts of the television.
7. WARNING! Do not use this television near water, or in an area exposed to water splashes or dripping. To avoid the risk of fire or electric shock, do not expose this television to rain and/or moisture.
8. WARNING! Do not place objects filled with liquid, such as vases, on or above the television.
9. DO NOT immerse in any liquid whilst in use or whilst cleaning. Clean only with a damp cloth and dry with a dry towel. Do not use harsh abrasives as these may damage plastic parts.
10. DO NOT block ventilation openings. Keep away from curtains, newspapers and restricted areas. Install in accordance with specific manufacturer instructions. Always allow sufficient space around the television to avoid overheating.
11. DO NOT install near heat sources such as radiators, gas heaters, stoves or other apparatus (including amplifiers) that produce heat. Do not place the television in direct sunlight.
12. WARNING! Do not place naked flame sources, such as lit candles, on the television.
13. WARNING! Connect to a suitable 100-240V ~ 50/60 Hz power supply only.
14. Use the power cord with care - do not damage the power cord in any way. If the power cord is damaged, it must be replaced by either the manufacturer, the manufacturer’s service agent or qualified service personnel. The power cord must be replaced only with an authorised replacement from an authorised service agent.
15. Only use attachments/accessories specified by the manufacturer.
16. Unplug this television during lightning storms or when unused for long periods of time.
17. Please consider the environment when disposing of any batteries.
18. Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
19. WARNING! Do not use the television outdoors.
20. For household use only; this television is not intended for commercial use.
21. This television is intended to be used in household and similar applications such as;
   - offices and other working environments;
   - farm houses;
   - by clients in hotels, motels, bed and breakfast and other residential type environments.
22. If this apparatus is to be used by a third party, please supply these instructions with it.
23. No liability will be accepted for any personal injury or damage caused by failure to follow these instructions.
24. Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
25. Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.
26. The mains plug is used as the disconnect device, the disconnect device shall remain readily operable.

**IMPORTANT INFORMATION**

If a television is not positioned in a sufficiently stable location, it can be potentially hazardous due to falling. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

Using cabinets or stands recommended by the manufacturer of the television.

Only using furniture that can safely support the television.

Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

Ensuring the television is not overhanging the edge of the supporting furniture.

Not placing the television on tall furniture (for example, cupboards, or book cases) without anchoring both the furniture and the television to a suitable support.

Not standing the television on a cloth or other materials placed between the television and supporting furniture.

Educating children about the dangers of climbing on furniture to reach the television or its controls.

**CAUTION**

To avoid risk of electric shock, do not remove cover (or back).
No user-serviceable parts inside, refer servicing to qualified service personnel. Do not block ventilation slots on the back cover.
Item in the Box

Remove all packaging from the TV. Retain the packaging. If you dispose of it please do so according to local regulations.

The following items are included:

- TV
- TV Stand Support
- Remote Control / AAA Batteries x 2
- TV Base
- Screw x 6
- Mains Adapter Cable
- Instruction Manual
- Quick Start Guide

If you require additional assistance, please call our customer care center on 1300 530 800.
Basic Set Up

![Important Note]

The LCD 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 LCD 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, and ideally at the edge of a table so that the base of the TV slightly overhangs on it. Please make sure a soft cushioned material (such as a pillow or thick piece of foam) is placed beneath the screen.

### Installing the Base Stand

1. To install the TV stand, first attach the stand support to the TV by using 3 screws. Align with the screw holes then use 3 screws to fix the stand support to the TV.

![Diagram]

2. To install the base stand, align the screw holes, then secure with a screwdriver (not included) using the 3 screws provided.

![Diagram]

> The screw holes will only align if the front of the base stand is at the front of the TV.

• Please read this instruction manual carefully while setting up your TV.
• If you require additional assistance, please call our customer care center on **1300 530 800**.
Basic Set Up

Mounting the TV to a Wall

1. To remove the stand assembly, untighten the screws holding the stand assembly to the rear of the TV. Slide the stand assembly out.

   ![Remove Stand Assembly](image1)

   - Remove the stand assembly before mounting the TV onto the wall.
   - It is recommended that two people take part in the installation.

   Keep all the spare screws should you want to use the stand assembly option.

2. Mounting on the wall. This TV is designed to be wall-mounted with a standard 200 mm x 100 mm mounting kit (sold separately) designed for flat-panel TVs. Mount this TV according to the instructions included in the mounting kit. Due to space restrictions, we recommend that you make all connections (refer to page 18-21 and page 48 for details) before mounting on to the wall.

   ![Mounting Kit](image2)

   - Please read this instruction manual carefully while setting up your TV.
   - If you require additional assistance, please call our customer care center on 1300 530 800.
Advanced Connection Diagrams

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 adapter cable to the mains socket until all other connections are complete.

### Best Video Performance

<table>
<thead>
<tr>
<th>Signal Type</th>
<th>Separate Audio Connection Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMI (480i/480p/576i/576p/720p/1080i/1080p*)</td>
<td>No</td>
</tr>
<tr>
<td>PC</td>
<td>Yes</td>
</tr>
<tr>
<td>Component Video (480i/480p/576i/576p/720p/1080i/1080p*)</td>
<td>Yes</td>
</tr>
<tr>
<td>Composite Video</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*1080i/1080p: Although this TV is compatible with a 1080i/1080p input, it is possible that the screen may not display the exact resolution and consequently the picture quality will be adjusted accordingly.

### Connecting an AV Device Using an HDMI Cable

- This TV can accept High-Definition Multimedia Interface (HDMI) supports HDCP (High-Bandwidth Digital Content Protection) Protocol.
- This TV has a total of 1 HDMI input socket, please make sure the correct input source is selected and corresponds 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 HDMI input socket to the external AV device’s HDMI output socket.
2. Plug the connected devices into the mains socket before switching on the TV.
3. Press the \( \textcircled{1} \) button on the rear panel of the TV or on the remote control to turn on your TV.
4. Press the INPUT button on the TV or on the remote control to display the INPUT SOURCE List. Use the \( \textasciitilde \text{Connell} \) buttons to select HDMI and then press the \( \text{OK} \) button to confirm.

Although this TV is able to connect to an HDMI device, it is possible that some devices may not operate correctly.
Connecting a Computer Using a VGA Cable

1. Use a VGA cable to connect the TV’s VGA 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 devices into the mains socket before switching on the TV.

3. Press the button on the rear panel of the TV or on the remote control to turn on your TV.

4. Press the INPUT button on the TV or on the remote control to display the INPUT SOURCE list. Use the buttons to select PC and then press the OK button to confirm.

- The best resolution is 1366 x 768.
- If your computer is set to shut down after a few minutes in the idle mode, the TV will also switch to standby due to no signal being received, this is to save energy. Press the button on the rear panel of the TV or on the remote control to restart the TV.

Connecting an AV Device Using a Component (YPbPr) Cable

1. Connect the supplied component adapter cable and a component cable (not included) from the TV’s YPbPr input socket to an external AV device’s component output sockets.

2. Connect the supplied composite adapter cable and an AV cable (not included) to connect the TV’s AV input socket to the external AV device’s component audio output sockets. (Audio Left = white, and Audio Right = red)

3. Plug the connected devices into the mains socket before switching on the TV.

4. Press the button on the rear panel of the TV or on the remote control to turn on your TV.

5. Press the INPUT button on the TV or on the remote control to display the INPUT SOURCE list. Use the buttons to select YPbPr and then press the OK button to confirm.
Advanced Connection Diagrams

Connecting an AV Device Using Composite Cable

1. Connect the supplied composite adapter cable and an AV cable (not included) to connect the TV's AV input socket to an external AV device’s composite audio/video sockets. (Video = yellow, Audio Left = white, and Audio Right = red)

2. Plug the connected devices into the mains socket before switching on the TV.

3. Press the \( \heartsuit \) button on the rear panel of the TV or on the remote control to turn on your TV.

4. Press the INPUT button on the TV or on the remote control to display the INPUT SOURCE list. Use the \( \uparrow \downarrow \) buttons to select AV and then press the OK button to confirm.

---

Connecting a Coaxial Audio Receiver

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

1. Use an audio cable (not included) to connect the TV's Digital Audio Output (Coaxial) socket to an external audio receiver’s audio coaxial input socket.

2. Plug the connected devices into the mains socket before switching on the TV.

3. Press the \( \heartsuit \) button on the rear panel of the TV or on the remote control to turn on your TV.

4. Press the INPUT button on the TV or on the remote control to display the INPUT SOURCE list. Use the \( \uparrow \downarrow \) buttons on the remote control to select any desired input source and then press the OK button to confirm.

⚠️ The TV’s volume will not be affected. You may control the audio level via the Audio Receiver.
Advanced Connection Diagrams

Connecting Headphones

Connect your headphones to the TV’s HEADPHONE socket.

Before putting on the 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 headphones, especially for extended periods.
Advanced Features

Picture Setting

Allows you to set your preferred picture mode.

1. Press the **MENU** button to display the main menu. Press the **<** buttons to select the **PICTURE** menu and then press the **▼** button or the **OK** button.

2. Press the **▲▼** buttons to select the following options, and then press **<** buttons to adjust each option’s setting or the **OK** button to select the options.

<table>
<thead>
<tr>
<th>Picture Mode</th>
<th>Select among picture mode: <strong>Standard</strong> / <strong>Mild</strong> / <strong>Personal</strong> / <strong>Dynamic</strong>.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Brightness</strong></td>
<td>Increases or decreases the amount of white in the picture. (for Personal mode)</td>
</tr>
<tr>
<td><strong>Contrast</strong></td>
<td>Adjusts the difference between light and dark levels in the picture. (for Personal mode)</td>
</tr>
<tr>
<td><strong>Sharpness</strong></td>
<td>Adjusts the level of crispness in the edges between light and dark areas of the picture. (for Personal mode)</td>
</tr>
<tr>
<td><strong>Colour</strong></td>
<td>Controls the colour intensity. (for Personal mode)</td>
</tr>
<tr>
<td><strong>Tint</strong> (for NTSC format)</td>
<td>Adjusts the balance between red, blue and green levels. (Tint is only available for NTSC signal input via the AV IN.)</td>
</tr>
<tr>
<td><strong>Backlight</strong></td>
<td>Adjusts the backlight setting of your TV. This controls the brightness and display performance of the screen.</td>
</tr>
<tr>
<td><strong>Colour Temp</strong></td>
<td>Select among colour temperature: <strong>Standard</strong> / <strong>Cool</strong> / <strong>Warm</strong>. (for Personal mode)</td>
</tr>
<tr>
<td><strong>Aspect Ratio</strong></td>
<td>Allows you to watch the screen in various picture formats: <strong>Auto</strong> / <strong>4:3</strong> / <strong>16:9</strong> / <strong>Zoom</strong> / <strong>Subtitle</strong> / <strong>Smart Zoom</strong>.</td>
</tr>
<tr>
<td><strong>PC Setup</strong> (PC mode only)</td>
<td>Adjusts the PC desktop content. Press <strong>OK</strong> button to enter the <strong>PC Setup</strong> menu.</td>
</tr>
<tr>
<td><strong>Auto Adjust</strong></td>
<td>Allows you to synchronise a PC signal automatically.</td>
</tr>
<tr>
<td><strong>H Position</strong></td>
<td>Adjusts the position of the picture left and right in the window.</td>
</tr>
<tr>
<td><strong>V Position</strong></td>
<td>Adjusts the position of the picture up and down in the window.</td>
</tr>
<tr>
<td><strong>Phase</strong></td>
<td>Minimize horizontal distortion.</td>
</tr>
<tr>
<td><strong>Clock</strong></td>
<td>Minimize vertical stripes in the screen image.</td>
</tr>
<tr>
<td><strong>Screen Mode</strong> (HDMI mode only)</td>
<td>Allows you to select the screen mode: <strong>Auto</strong> / <strong>Video</strong> / <strong>PC</strong>.</td>
</tr>
<tr>
<td><strong>Noise Reduction</strong></td>
<td>Switch on / off the noise level of the connected device: <strong>On</strong> / <strong>Off</strong>.</td>
</tr>
</tbody>
</table>

3. Press the **MENU** button to return to the previous menu, press again to return to the main menu.

4. Press the **EXIT** button to exit the menu.
Advanced Features

Sound Setting

Allows you to select an audio-enhancement technique.

1. Press the MENU button to display the main menu. Press the ▲▼ buttons to select the SOUND menu and then press the ▼ button or the OK button.

2. Press the ▲▼ buttons to select the following options, and then press ▲▼ buttons to adjust each option’s setting or the OK button to select the options.

<table>
<thead>
<tr>
<th>Sound Mode</th>
<th>You can select this function when DTS TruSurround switch off. It allows the selection of an audio-enhancement technique: Standard / Movie / Music / Personal.</th>
</tr>
</thead>
</table>

**Alternative**
You may press the SMODE button to select the sound mode directly.

<table>
<thead>
<tr>
<th>Treble</th>
<th>Controls the relative intensity of higher pitched sounds. (for Personal mode)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bass</td>
<td>Controls the relative intensity of lower-pitched sounds. (for Personal mode)</td>
</tr>
<tr>
<td>Balance</td>
<td>Adjusts the relative volume of the speakers in a multiple speaker system.</td>
</tr>
<tr>
<td>AVL (Auto Volume Limiting)</td>
<td>Activates the auto volume leveller to keep the volume level consistent whenever you change channels if selecting On. The volume level may not be consistent due to different signal conditions of broadcasting stations if selecting Off.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Digital Audio Output</th>
<th>Selects the digital audio output mode: PCM / Auto / Off.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Audio Description (DTV mode only)</th>
<th>This will only work if the programme you are watching broadcasts the audio description. You will hear a description of what is happening on screen, it is designed for people with a visual impairment.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Press the ▶ button to highlight Audio Description, then press the OK button to enter the sub-menu.</td>
</tr>
<tr>
<td>2.</td>
<td>Press the ▲▼ buttons to switch the Mode to On.</td>
</tr>
<tr>
<td>3.</td>
<td>Press to ▼ button to select Volume, then press the ▲▼ buttons to adjust the volume of the audio description.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sound Type (DTV mode only)</th>
<th>Select the sound type: Stereo / Dual I / Dual II / Mixed.</th>
</tr>
</thead>
</table>

4. Press the MENU button to return to the previous menu, press again to return to the main menu.

5. Press the EXIT button to exit the menu.

**Stereo / Dual Sound Reception (ATV Mode)**

When a programme is selected, press the AUDIO button to display the sound information for the selected station.

<table>
<thead>
<tr>
<th>Broadcast</th>
<th>On Screen Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mono</td>
<td>MONO / NICAM MONO</td>
</tr>
<tr>
<td>Stereo</td>
<td>MONO / NICAM STEREO</td>
</tr>
<tr>
<td>Dual</td>
<td>MONO / NICAM DUAL I, NICAM DUAL II, NICAM DUAL I+II</td>
</tr>
</tbody>
</table>
**Advanced Features**

**Mono sound selection**
If the stereo signal is weak, you can switch to mono by pressing the **AUDIO** button. In mono reception, the clarity of sound is improved. To switch back to stereo, press the **AUDIO** button again.

**Language selection for dual language broadcast**
If a programme can be received in two languages (dual language), you can switch to **NICAM DUAL I**, **NICAM DUAL II**, **NICAM DUAL I+II** or **MONO** by pressing the **AUDIO** button repeatedly.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>NICAM DUAL I</td>
<td>Sends the primary broadcast language to the loudspeakers</td>
</tr>
<tr>
<td>NICAM DUAL II</td>
<td>Sends the secondary broadcast language to the loudspeakers</td>
</tr>
<tr>
<td>NICAM DUAL I+II</td>
<td>Sends the primary and secondary broadcast languages to the loudspeakers</td>
</tr>
</tbody>
</table>

**Channel Setting**

**Auto Scan**
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.

1. Press the **MENU** button to display the main menu. Press the ▲▼ buttons to select the Channel menu and then press the ▼ button or the **OK** button.

2. Press the ▲▼ buttons to select **Auto Scan** and then press the **OK** button or the ▶ button to enter the **Auto Scan** menu.

3. Press the ▲▼ buttons to select the following options, and then press ▲▼ buttons to adjust each option’s setting or **OK** button to select the options.

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Country</td>
<td>Selects the desired country.</td>
</tr>
<tr>
<td>Mode</td>
<td>Selects tune type: <strong>DTV</strong> / <strong>ATV</strong> / <strong>DTV + ATV</strong>.</td>
</tr>
<tr>
<td>LCN (Logical Channel Number)</td>
<td>Sets LCN <strong>On</strong> or <strong>Off</strong> if you want to sort the channels manually.</td>
</tr>
</tbody>
</table>
4. Press the \( \downarrow \) button to select **Start** and then press the **OK** button or the \( \uparrow \) button to start auto tuning.

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

6. If you select DTV + ATV and you want to skip the DTV tuning during scanning, press the **MENU** button to interrupt the tuning half way. You will then go straight to ATV tuning. You may repeat the above step if you want to skip ATV tuning.

7. After tuning is complete, the channels are arranged in a preset order. If you wish to skip channels, modify the preset order or rename channels, select **Channel Edit** under the channel menu (refer to page 27-29 for details).

**DTV Manual Scan (DTV Mode)**

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

1. Press the **MENU** button to display the main menu. Press the \( \leftarrow \rightarrow \) buttons to select the **Channel** menu and then press the \( \downarrow \) button or the **OK** button.

2. Press the \( \uparrow \downarrow \) buttons to select **Manual Scan** and then press the **OK** button or the \( \uparrow \) button to enter the **Manual Scan** menu.

3. Press the **OK** button or the \( \uparrow \) button to enter the **Digital Manual Scan** menu.
**Advanced Features**

4. Press the ▼ button to select **Digital Scan** and then press the ► buttons to selects the desired channel number.

5. Press the ▼ button to select **Start** and then press the OK button to commence the search of that channel. When the signal has been tuned, the frequency and strength will be displayed on the screen.

6. Press the **MENU** button to return to the previous menu, press again to return to the main menu.

7. Press the **EXIT** button to exit the menu.

**ATV Manual Scan (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 display the main menu. Press the ▼► buttons to select the **Channel** menu and then press the ▼ button or the OK button.

2. Press the ▲▼ buttons to select **Manual Scan** and then press the OK button or the ► button to enter the **Manual Scan** menu.

3. Press the ▼ button to select **Analogue Manual Scan** and then the OK button or the ► button to enter the **Analogue Manual Scan** menu.

4. Press the ▲▼ buttons to select the following auto scan options, and then press ▼► buttons to adjust each option’s setting or OK button to select the options.

<table>
<thead>
<tr>
<th>Analogue Scan</th>
<th>Selects the tune frequency.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Channel to Save</td>
<td>Presets the channel number.</td>
</tr>
<tr>
<td>Colour System</td>
<td>Selects the colour system: PAL / Auto.</td>
</tr>
<tr>
<td>Sound System</td>
<td>Selects the sound system: I / BG / DK / L (for SECAM).</td>
</tr>
<tr>
<td>AFC</td>
<td>Selects the AFC (Auto Frequency Channel) On / Off.</td>
</tr>
</tbody>
</table>
Advanced Features

5. Press the ▼ button to select Start and then press the OK button to commence the search of that channel.

6. Press the MENU button to return to the previous menu, press again to return to the main menu.

7. Press the EXIT button to exit the menu.

Auto Channel Update (DTV Mode)
Enable auto channel update feature in DTV channel.

1. Press the MENU button to display the main menu. Press the ←→ buttons to select the Channel menu and then press the ▼ button or the OK button.

2. Press the ▲▼ buttons to select Auto Channel Update and then press the ←→ buttons to select On / Off.

3. Press the MENU button to return to the previous menu, press again to return to the main menu.

4. Press the EXIT button to exit the menu.

Channel Edit (DTV Mode)
Allows you to edit TV channel information in the Channel List under DTV mode.

1. Press the MENU button to display the main menu. Press the ←→ buttons to select the Channel menu and then press the ▼ button or the OK button.
Advanced Features

2. Press the ▲▼ buttons to select Channel Edit and then press the OK button or the ► button to enter the Channel Edit menu.

3. A Channel Edit screen will be displayed. 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 GREEN button to select the channels that you want to skip when you are selecting channels. Press the GREEN button again to undo it.
   c. Move
      Press the BLUE button and then press the ▲▼ buttons to move to the selected channel. Press the BLUE button or the OK button to confirm.

4. Press the MENU button to return to the previous menu, press again to return to the main menu.

5. Press the EXIT button to exit the menu.

⚠️ Care should be taken when editing the position of digital channels as this may affect EPG and reminder settings.

Channel Edit (ATV Mode)
Allows you to edit TV channel information in the Channel List under ATV mode.

1. Press the MENU button to display the main menu. Press the ◄► buttons to select the Channel menu and then press the ◄ button or the OK button.

2. Press the ▲▼ buttons to select Channel Edit and then press the OK button or the ► button to enter the Channel Edit menu.
3. **A Channel Edit** screen will be displayed. 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 **GREEN** button to select the channels that you want to skip when you are selecting channels. Press the **GREEN** button again to undo it.
   
   **c. Move**
   Press the **BLUE** button and then press the ▲▼ buttons to move to the selected channel. Press the **BLUE** button or the **OK** button to confirm.
   
   **d. Rename**
   Press the **YELLOW** 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 again to confirm the new name.
   
4. Press the **MENU** button to return to the previous menu, press again to return to the main menu.
5. Press the **EXIT** button to exit the menu.

**Favourite Manager**

Allows you to select your favourite channel that you watch the most and create 4 channel lists of just your favourites.

1. Press the **MENU** button to display the main menu. Press the ▼▲ buttons to select the **Channel** menu and then press the ▼ button or the **OK** button.

2. Press the ▲▼ buttons to select **Favourite Manager** and then press the **OK** button or the ▼ button.

3. **A Favourite Manager** screen will be displayed. Press the ▲▼ buttons to select the channel you want to add to the list and then use the coloured button to save your favourite list.

4. Press the **MENU** button to return to the previous menu, press again to return to the main menu.
5. Press the **EXIT** button to exit the menu.
Advanced Features

Signal Information (DTV Mode)
Allows you to view the signal information.

1. Press the MENU button to display the main menu. Press the ▲▼ buttons to select the Channel menu and then press the ▼ button or the OK button.

2. Press the ▲▼ buttons to select Signal Information and then press the OK button or the ▶ button to view the signal information.

3. Press the MENU button to return to the previous menu, press again to return to the main menu.

4. Press the EXIT button to exit the menu.
Advanced Features

Lock Setting

To access the Lock System menu, you must enter the password. Enter the default password “0000” for first time use. To change the password, refer to “New Password” (see below).

Lock System

The Lock System is designed to prevent accidental re-tuning of the TV / losing of channels and to prevent children from 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 channel locks, rated programme and first time setup, also all buttons on the TV will be locked.

1. Press the MENU button to display the main menu. Press the buttons to select the Lock System and then press the OK button.

2. Press the buttons to select the Enter Password. Use the 0-9 buttons to input a 4-digit password to enter the Lock System menu.

   • The default password is “0000”.
   • If you change the password, be sure to remember the new password! If you forget the new password, enter the master password “8899”.

3. Press the buttons to select Enable and then the buttons to select On / Off.
   If the Enable is set to On, a valid password must be entered when you access Auto Scan / Manual Scan / Channel Edit / Favourite Manager / Restore Factory Default.

4. Press the MENU button to return to the previous menu, press again to return to the main menu.

5. Press the EXIT button to exit the menu.
Advanced Features

Channel Locks

Block Channel is designed to prevent children from watching unsuitable programmes. The Lock System must be set to On for this function to operate. When a channel is blocked, a valid password must be entered.

1. Press the **MENU** button to display the main menu. Press the **▼** buttons to select the **Lock System** and then press the **▼** button or the **OK** button.

2. Press the **▼** buttons to select the **Enter Password**. Use the 0-9 buttons to input a 4-digit password to enter the **Lock System** menu.

   • The default password is “0000”.
   • If you change the password, be sure to remember the new password! If you forget the new password, enter the master password “8899”.

3. Ensure the option **Enable** is set to **On**. If not, press the **▼** buttons to select **Enable** and then the **▼** buttons to select **On**.

4. Press the **▼** buttons to select **Channel Block** and then press the **OK** button or the **▼** button.

5. A Channel Block screen will display. Press the **▼** buttons to select a channel. Press the **OK** button on the remote control to block. Press the **OK** button again to unblock.

6. Press the **MENU** button to return to the previous menu, press again to return to the main menu.

7. Press the **EXIT** button to exit the menu.
Advanced Features

Parental Rating (DTV Mode)

This function allows you to set up blocking schemes to block specific channels 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 the last option set even if the TV is switched off.

The Lock System must be set to On for this function to operate. When a programme is locked or rated, a valid password must be entered.

1. Press the **MENU** button to display the main menu. Press the **<** **>** buttons to select the **Lock System** and then press the **▼** button or the **OK** button.

2. Press the **▲** **▼** buttons to select the **Enter Password**. Use the **0-9** buttons to input a 4-digit password to enter the **Lock System** menu.

   • The default password is “0000”.
   • If you change the password, be sure to remember the new password! If you forget the new password, enter the master password “8899”.

3. Ensure the option **Enable** is set to **On**. If not, press the **▲** **▼** buttons to select **Enable** and then the **<** **>** buttons to select **On**.

4. Press the **▲** **▼** buttons to select **Parental Rating** and then press the **<** **>** buttons to select an age rating: **No Block** / **Block G** / **Block PG** / **Block M** / **Block MA** / **Block AV** / **Block R** / **Block All**.

5. Press the **MENU** button to return to the previous menu, press again to return to the main menu.

6. Press the **EXIT** button to exit the menu.
Advanced Features

Lock Keypad

Lock Keypad is designed to prevent children from pressing the buttons on the TV. The Lock System must be set to On for this function to operate. If the Lock Keypad is set to On, all buttons on the TV will be locked. All TV operations can be controlled by the remote control only.

1. Press the MENU button to display the main menu. Press the ▲▼ buttons to select the Lock System and then press the ▼ button or the OK button.

2. Press the ▲▼ buttons to select the Enter Password. Use the 0-9 buttons to input a 4-digit password to enter the Lock System menu.

   • The default password is “0000”.
   • If you change the password, be sure to remember the new password! If you forget the new password, enter the master password “8899”.

3. Ensure the option Enable is set to On. If not, press the ▲▼ buttons to select Enable and then the ▲▼ buttons to select On.

4. Press the ▲▼ buttons to select Lock Keypad and then press the ▼ buttons to select On / Off.

5. Press the MENU button to return to the previous menu, press again to return to the main menu.

6. Press the EXIT button to exit the menu.
Advanced Features

New Password

1. Press the **MENU** button to display the main menu. Press the **<**) buttons to select the **Lock System** and then press the **▼** button or the **OK** button.

2. Press the **▲▼** buttons to select the **Enter Password**. Use the **0-9** buttons to input a 4-digit password to enter the **Lock System** menu.

   • The default password is “0000”.
   • If you change the password, be sure to remember the new password! If you forget the new password, enter the master password “8899”.

3. Press the **▲▼** buttons to select **New Password** and then use the **0-9** buttons to input the new 4-digit password. Re-enter new password for confirmation.

4. Press the **MENU** button to return to the previous menu, press again to return to the main menu.

5. Press the **EXIT** button to exit the menu.

Clear Lock

Restores all Lock System settings to the factory defaults.

1. Press the **MENU** button to display the main menu. Press the **<**) buttons to select the **Lock System** and then press the **▼** button or the **OK** button.

2. Press the **▲▼** buttons to select the **Enter Password**. Use the **0-9** buttons to input a 4-digit password to enter the **Lock System** menu.

   • The default password is “0000”.
   • If you change the password, be sure to remember the new password! If you forget the new password, enter the master password “8899”.
Advanced Features

3. Press the ▲▼ buttons to select **Clear Lock** and then press the OK button or the ► button. All settings in Lock System will reset to the factory defaults.

4. Press the MENU button to return to the previous menu, press again to return to the main menu.

5. Press the EXIT button to exit the menu.

Setup Setting

**OSD Language**
Allows you to select your desired on screen menu language.

1. Press the MENU button to display the main menu. Press the ◀▶ buttons to select the Setup and then press the ▼ button or the OK button.

2. The default on-screen menu language is English.

3. Press the MENU button to return to the previous menu, press again to return to the main menu.

4. Press the EXIT button to exit the menu.

**Audio Languages (DTV Mode)**
Allows you to select your desired audio language. (Available for digital channels if multiple audio languages are broadcast.) The Audio Language is used to describe the programmes when the Hearing Impaired option is switched **On**.

1. Press the MENU button to display the main menu. Press the ◀▶ buttons to select the Setup and then press the ▼ button or the OK button.
Advanced Features

2. Press the ▲▼ buttons to select **Audio Language** and then press the OK button or the ► button to enter **Audio Language** menu.

3. Press the ▲▼ buttons to select **Audio Primary Language** and **Audio Secondary Language**, then press the ◄► buttons to select the desired language.

4. Press the MENU button to return to the previous menu, press again to return to the main menu.

5. Press the EXIT button to exit the menu.

Subtitle (DTV Mode)

Allows you to select your desired subtitle language or turn off the subtitle. (Only applicable when the TV programme has this feature.)

1. Press the MENU button to display the main menu. Press the ◄► buttons to select the **Setup** and then press the ▼ button or the OK button.

2. Press the ▲▼ buttons to select **Subtitle** and then press the OK button or the ► button to enter sub-menu.
3. Press the ▲▼ buttons to select the following options, and then press ◀▶ buttons to adjust each option’s setting or OK button to select the options.

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mode</td>
<td>Allows you to turn On / Off the subtitle.</td>
</tr>
<tr>
<td>Subtitle Primary Language</td>
<td>Allows you to select your desired subtitle primary language.</td>
</tr>
<tr>
<td>Subtitle Secondary Language</td>
<td>Allows you to select your desired subtitle secondary language.</td>
</tr>
<tr>
<td>Hearing Impaired</td>
<td>Shows information for the hearing-impaired in some programmes. (For DTV channels only if available.)</td>
</tr>
</tbody>
</table>

4. Press the MENU button to return to the previous menu, press again to return to the main menu.

5. Press the EXIT button to exit the menu.

While watching a DTV programme, you can press the $ button on the remote control to display the Subtitle Language list and then press the ▲▼ buttons to select the Subtitle Language OFF. Press the OK button to confirm. (Only applicable when the TV programme has this feature.)

Teletext

Allows you to select your preferred Teletext language (if the language is being broadcast).

1. Press the MENU button to display the main menu. Press the ◀▶ buttons to select the Setup and then press the ▼ button or the OK button.

2. Press the ▲▼ buttons to select Teletext and then press the OK button or the ▶ button to enter Teletext menu.
3. Press the ▲▼ buttons to select the following options, and then press ◀▶ buttons to adjust each option’s setting or OK button to select the options.

<table>
<thead>
<tr>
<th>Digital Teletext Language (DTV mode)</th>
<th>Allows you to select an available language as primary language which relates to different initial Teletext page. (Available for digital channels if multiple initial Teletext pages in different languages.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decoding Page Language</td>
<td>Selects a proper type of language in which Teletext will display.</td>
</tr>
</tbody>
</table>

4. Press the MENU button to return to the previous menu, press again to return to the main menu.

5. Press the EXIT button to exit the menu.

Blue Screen

Allows the blue background to turn On or Off during weak or no signal conditions.

1. Press the MENU button to display the main menu. Press the ◀▶ buttons to select the Setup and then press the ▼ button or the OK button.

2. Press the ▲▼ buttons to select Blue Screen and then press the ◀▶ buttons to select On or Off.

3. Press the MENU button to return to the previous menu, press again to return to the main menu.

4. Press the EXIT button to exit the menu.

Mode Setting

Allows you to select Home mode to maximize energy efficiency or Store mode if you would like your picture to be brighter.

1. Press the MENU button to display the main menu. Press the ◀▶ buttons to select the Setup and then press the ▼ button or the OK button.
Advanced Features

1. Press the ▲▼ buttons to select **Mode Setting** and then press the ▶ buttons to select **Home Mode** or **Store Mode**.

2. Press the **MODE** button to select **Time Settings** and then press the **OK** button to enter **Time Settings** menu.

3. Press the ▲▼ buttons to select the following options, and then press ▶ buttons to adjust each option’s setting or **OK** button to select the options.

   **OSD Timer** You can select a time that your on-screen menus will be displayed: **10 / 20 / 30 / 60 seconds** / **Off**. If you select **Off** the menu will remain on the screen until you press a button to remove it.

   **Time Settings** Allows you to adjust OSD timer, sleep time, auto sleep, time zone.

   1. Press the **MENU** button to display the main menu. Press the ▲▼ buttons to select the **Setup** and then press the ▲▼ button or the **OK** button.

   2. Press the ▲▼ buttons to select **Time Settings** and then press the **OK** button or the ▶ button to enter **Time Settings** menu.

   3. Press the ▲▼ buttons to select the following options, and then press ▶ buttons to adjust each option’s setting or **OK** button to select the options.
Advanced Features

**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.
Selects a period of time after which the TV automatically switches to standby mode: OFF / 5 / 15 / ... / 120 / 240 min. The timer begins to count down from the number of minutes selected.

⚠️ If you turn the TV off after setting the sleep timer, the sleep timer setting will be erased.

**Alternative**
1. You may press the SLEEP button repeatedly to select the number of minutes: OFF / 5 / 15 / ... / 120 / 240 min directly.
2. To cancel the sleep time, press the SLEEP button repeatedly until Off appears.

**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. To save energy you should always turn the auto standby function back to "3 hours", "4 hours" or "5 hours".

**Time Zone** (DTV Mode)
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.

**Time**
Allows to set the time and date manually or set automatically when receiving a digital signal.
Press the ▲▼ buttons to highlight TIME, then press the OK button or the ► button to enter the sub-menu.
Selects Auto Sync to On, the time and date will be set from the broadcast signal.
If you want to set the time and date manually, set Auto Sync to OFF. Then press the ▲▼ buttons to highlight the Date and Time options and press the 0-9 buttons or the ▲▼ buttons to set the date and time.

![Time Zone Configuration](image)

4. Press the MENU button to return to the previous menu, press again to return to the main menu.
5. Press the EXIT button to exit the menu.
**Advanced Features**

**HDMI CEC Control**

Allows you to command and control two or more HDMI CEC (Consumer Electronics Control) compliant devices, that are connected through HDMI, by using only one of the remote controls (e.g. controlling a TV set, set-top box and DVD player using only the remote control of the TV). HDMI CEC also allows individual HDMI CEC compliant devices to command and control each other without user intervention.

Make sure that your HDMI CEC-compliant device is connected to your TV using a HDMI cable and the correct HDMI input source is selected prior to using this function. (Some HDMI cables may not support HDMI-CEC functions.)

- This unit can only communicate with HDMI-CEC compatible devices.
- To be sure that the HDMI-CEC device has this feature, check to see if there is HDMI-CEC compatible logo on it.
- HDMI-CEC function only works when the AV device supporting CEC is turned on.
- The HDMI CEC feature has different trade names on different brands. The compatibility performance may vary with different CEC-enabled devices.
- Please refer to your HDMI-CEC compatible devices’ user guide for more details on the operation of the HDMI CEC function.

**HDMI-CEC Connection**

1. Press the **MENU** button to display the main menu. Press the **button to select the **Setup** and then press the ** button or the **OK** button.

2. Press the ** button to select **HDMI CEC Control** and then press the **OK** button or the ** button to enter **HDMI CEC Control** menu.

3. Press the ** button to select the following options, and then press ** buttons to adjust each option’s setting or **OK** button to select the options.
Advanced Features

<table>
<thead>
<tr>
<th><strong>HDMI CEC Control</strong></th>
<th>This will allow you to control other CEC enabled devices (connected via HDMI) using your TV remote control. Press the ▲▼ buttons to select <strong>HDMI CEC Control</strong> and then press the ◄► buttons to turn <strong>On</strong>.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CEC Menu Control</strong></td>
<td>To display the setup menu of the connected HDMI-CEC compliant devices on the screen. Press the ▲▼ buttons to select <strong>CEC Menu Control</strong> and then press the OK button or the ► button to enter sub-menu. Use the ▲▼ buttons and then press the OK button or the ► button to select <strong>Home menu / Option / Content</strong> to operate the equipment. You can use the ◄▲▼► buttons to navigate through the setup menu (some HDMI-CEC compliant devices may not support this function). For details operations on the connected devices, please refer to the user manual of the device for available control.</td>
</tr>
<tr>
<td><strong>Device List</strong></td>
<td>Displays a list of connected equipment that is compatible with HDMI CEC Control. Press the ▲▼ buttons and then the OK button or the ◄► button to select <strong>Device List</strong>. Press the ▲▼ buttons to select <strong>Reset</strong> and then the OK button or the ◄► button to update the list.</td>
</tr>
</tbody>
</table>

4. Press the **MENU** button to return to the previous menu, press again to return to the main menu.

5. Press the **EXIT** button to exit the menu.

**PVR Settings (DTV Mode)**

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

Ensure the USB device is connected.

1. Press the **MENU** button to display the main menu. Press the ◄► buttons to select the **Setup** and then press the ▼ button or the **OK** button.

2. Press the ▲▼ buttons to select **PVR Settings** and then press the **OK** button or the ► button to enter **PVR Settings** menu.

3. Press the ◄▲▼► buttons and then press the **OK** button to select the following options.
## Advanced Features

<table>
<thead>
<tr>
<th><strong>File Manager</strong></th>
<th>Displays the scheduled recorded list.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Replay</strong></td>
<td>Press the RED button to replay the video.</td>
</tr>
<tr>
<td><strong>Delete One</strong></td>
<td>Press the GREEN button to delete the video.</td>
</tr>
<tr>
<td><strong>Delete All</strong></td>
<td>Press the YELLOW button to delete all video.</td>
</tr>
<tr>
<td><strong>Zoom In/Out</strong></td>
<td>Press the BLUE button to zoom in or zoom out the video.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Device List</strong></th>
<th>When multiple recording devices are connected, the recording devices are listed. Press the ▲▼ buttons to select one recording device in the Device List.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Format</strong></td>
<td>Press the RED button to format the selected USB device.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Scheduled Record</strong></th>
<th>Sets the scheduled recording information manually. See page 54 for details on Timer Programming.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Delete One</strong></td>
<td>Press the GREEN button to delete the selected scheduled record.</td>
</tr>
<tr>
<td><strong>Delete All</strong></td>
<td>Press the YELLOW button to delete all scheduled record.</td>
</tr>
</tbody>
</table>

4. Press the **MENU** button to return to the previous menu, press again to return to the main menu.

5. Press the **EXIT** button to exit the menu.

### OAD (Over Air Download)

The TV auto detects the latest firmware through the DTV signal and allows you to accept or refuse the firmware upgrade service.

1. Press the **MENU** button to display the main menu. Press the ◀▶ buttons to select the **Setup** and then press the ▼ button or the **OK** button.

2. Press the ▲▼ buttons to select **OAD** and then press the **OK** button or the ▶ button to enter **OAD** menu.
3. Press the ▲▼ buttons to select the following options, and then press ◀► buttons to adjust each option’s setting or the OK button to select the options.

<table>
<thead>
<tr>
<th>Manual OAD Download</th>
<th>Allows you to download the latest firmware manually. Press the OK button to start.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto Download</td>
<td>Allows the TV auto detects and download the latest firmware by switching On / Off.</td>
</tr>
</tbody>
</table>

⚠️ During download, please do not turn off or unplug your TV.

4. When the download is complete, the TV will automatically upgrade the software.

5. After complete the update, the TV will return to standby mode.

6. Press the MENU button to return to the previous menu, press again to return to the main menu.

7. Press the EXIT button to exit the menu.

### Restore Factory Default

Restores all settings to the factory defaults.

1. Press the MENU button to display the main menu. Press the ◀► buttons to select the Setup and then press the ▼ button or the OK button.

2. Press the ▲▼ buttons to select Restore Factory Default and then press the OK button or the ► button.

3. A pop-up screen will be displayed. Press the ◀ buttons and then the OK button to select “Yes”. The TV will turn off and restart after a few seconds. Press the ► button and then the OK button to select “No” to cancel and return to the Setup menu.

⚠️ All channel and user settings will be lost and the TV will revert to “First Time Installation”.

During download, please do not turn off or unplug your TV.
Advanced Features

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 **GUIDE** button to switch on EPG.
2. Press the **GUIDE** 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 and then press the ◄► buttons to select the desired programme.

**Button Functions in a 7-Day Guide**

<table>
<thead>
<tr>
<th>Remote Control Button</th>
<th>Function</th>
</tr>
</thead>
</table>
| Red (Prev Date)       | • View the schedule of the previous day in EPG.  
• Delete the selected preset reminder in the Schedule list. |
| Green (Info)          | View the schedule of the next day in EPG. |
| Yellow (Reminder List)| • View the preset reminders or scheduled recordings in the Schedule list.  
• Press again to return to the EPG. |
| BLUE (Reminder)       | Press the BLUE button while on the selected programme, the Reminder menu will be displayed.  
Press the ▲▼►▼ buttons to adjust the settings and then press the OK button to confirm the settings. After confirmation, the Schedule list will then be displayed with your preset reminders shown. Press the BLUE button to return to the EPG. The TV will automatically tune to the selected programme when it starts. |
| INDEX                 | Enter to the PVR Settings.  
• Timer Programming  
See page 54 for details on Timer Programming. |
| ▲ or ▼                | Press to select a channel / programme / preset reminder. |
| ◄ or ►                | • Switch a between channel window or programme window in EPG.  
• Adjust the settings in Schedule list or Reminder. |
| OK                    | View the selected programme information. |
| GUIDE / EXIT          | Switch off the EPG. |
Advanced Features

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 (refer to page 37 for details).

Teletext within Digital Service

1. In DTV mode press the TEXT button to display the main information page. You may see slightly different looking pages depending if your TV is accessing the page over air or via the internet.

2. Follow the instructions on the interactive services page and move around the page by pressing the OK, ▲▼▲▼, RED, GREEN, YELLOW, BLUE or 0-9 buttons etc.

To change the digital teletext service, you will need to exit the current text service and change channels. Then enter the text service of the newly selected channel.

3. Press the TEXT button to exit.
Advanced Features

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 devices into the mains socket before switching on the TV.
4. Press the button on the rear panel of the TV or on the remote control to turn on your TV and your USB storage device.
5. Press the INPUT button on the TV or on the remote control to display the INPUT 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 2 TB (FAT32).
- The file system only supports FAT32 format.
- 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.
- Supports USB2.0 only.

Viewing Photos

1. Press the INPUT button on the TV or on the remote control to display the INPUT SOURCE list. Then press the buttons to select the USB mode and then press the OK button.
2. Press the buttons to select PHOTO and then press the OK button.
3. Press the buttons to select your storage device and then press the OK button.
Advanced Features

4. Press the ▲▼ buttons to navigate in the picture folder and then press the OK button to play the slideshow.

   Supported file formats: JPG.

5. Press the OK button or the i button to display the function bar. Press the OK button to play / pause the slideshow. Press the ▼ buttons to select the previous or next photo. During pause the playback, press the ▲▼ buttons to rotate the photo. Press the BLUE button to enter the Quick Menu. And then press the ▲▼▼ buttons to select the functions: Interval Time / Repeat / Slideshow Effect / Background Music.

   If this folder also contains music files, you can select a music track to play at the same time you view your photos.

6. Press the EXIT button to exit the slideshow and return to the previous menu.

Listening to Music

1. Press the INPUT button on the TV or on the remote control to display the INPUT SOURCE list. Then press the ▼ buttons to select the USB mode and then press the OK button.

2. Press the ▼ buttons to select MUSIC and then press the OK button.

3. Press the ▲▼ buttons to select your storage device and then press the OK button.

4. Press the ▲▼ buttons to navigate in the file list. The music information (Title / Artist / Album / Track / Year / Date / File Size) will be displayed in player window. Press the OK button to play.

   Some audio file formats will not be supported.

5. Press the CH ▲▼ buttons to switch between file list and player window. In player window, press the ▼ buttons to select the playback function. Press the BLUE button to enter the Quick Menu. And then press the ▲▼▼ buttons to select the functions: Repeat / Background Music.

6. Press the EXIT button to return to the previous menu.
Advanced Features

Viewing Movies

1. Press the INPUT button on the TV or on the remote control then press the ▲▼ buttons to select the USB mode and then press the OK button.

2. Press the ◄► buttons to select MOVIE and then press the OK button.

3. Press the ▲▼ buttons to select your storage device and then press the OK button.

4. Press the ▲▼ buttons to navigate in the movie folder and then press the OK button to view.

   ![Warning: Some video file formats will not be supported.]

5. Press the OK button or the i button to display the function bar. Press the ◄► buttons and then OK button to select the playback function. Press the BLUE button to enter the Quick Menu. And then press the ▲▼▼ buttons to select the functions: Repeat / Encode Type.

6. Press the EXIT button to return to the previous menu.

My Text

1. Press the INPUT button on the TV or on the remote control then press the ▲▼ buttons to select the USB mode and then press the OK button.

2. Press the ◄► buttons to select TEXT and then press the OK button.

3. Press the ◄► buttons to select your storage device and then press the OK button.
4. Press the ▲▼►▼ buttons to navigate in the text folder and then press the OK button to view.

5. Press the ◀► buttons to go to previous or next page. Use 0-9 buttons to goto the specified page. Press the BLUE button to enter the Quick Menu. And then press the ▲▼►▼ buttons to select the functions: Repeat / Background Music / Encode Type.

6. Press the EXIT button to return to the previous menu.
Advanced Features

Time Shift Function

This function allows you to pause live TV. The picture will pause and the programme will begin recording so you will not miss any of the programme. You need to have a USB storage device attached to the USB socket for Time Shift Recording to work.

- Time Shift Mode and Recording functions may not work if the signal strength is weak.
- Stop the time shift function before switching to another input source.

If the transfer rate of the USB storage device is too slow for recording or time shift function, a warning statement will be shown on the screen. If this happens, please upgrade your USB storage device. The minimum transfer speed is 5MB/s.

During normal TV viewing, you may press the \(\text{Pause/Stop} \) button to pause the live programme if you want to go out for a while (e.g. going to the bathroom / kitchen). “ \(\text{II} \)” will show on the screen for a few seconds. Press the \(\text{OK} \) button to display the ‘PVR Time Shift Progress Bar’ again.

When you have returned, press the \(\text{Pause/Stop} \) button to play the missed broadcast programme. “ \(\text{Play} \)” will show on the screen and the PVR Time Shift progress bar will be displayed on the screen.

The video and sound may have a little bit of delay or be out-of-sync for a few seconds when the unit starts to playback the missed broadcast programme. It will soon turn to normal.

Using the Remote Control

You can shift playback to any point of the virtually recorded programme. The PVR Time Shift progress bar will be displayed on the screen for 15 seconds. Press the \(\text{OK} \) button to display the PVR Time Shift progress bar again.

<table>
<thead>
<tr>
<th>Button</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>To play the missed broadcast programme.</td>
<td></td>
</tr>
<tr>
<td>Press the (\text{Stop} ) button to exit the PVR Time Shift progress bar and return to the current live broadcast.</td>
<td></td>
</tr>
</tbody>
</table>

The ‘PVR Time Shift Progress Bar’

1. Indicates the status of the currently displayed video ( \(\text{Play} / \text{Pause} / \text{Fast Forward} / \text{Fast Backward} \) )
2. Indicates the time lagging behind the live broadcast (PVR reviewing)
3. Indicates the available recording time on your USB storage device
4. Indicates the current time

- \(\text{Fast Forward} / \text{Fast Backward} \) state, press the \(\text{Pause/Stop} \) button to return to normal playback.
- \(\text{Pause/Stop} \) button to jump about 10% forward.
- \(\text{Pause/Stop} \) button to jump about 10% back.
- During playback, press the \(\text{Pause/Stop} \) button to display a still screen and then press the \(\text{Pause/Stop} \) button again to resume playback.
- \(\text{Pause/Stop} \) button to return to normal playback.

Press to display the ‘PVR Time Shift Progress Bar’.

If you want to exit the PVR Time Shift progress bar and return to the current live broadcast, press the \(\text{Stop} \) button.
Advanced Features

Recording DTV Programme onto a USB Storage Device

Use this function to record the DTV programme you are watching on the main screen and save it for future viewing.

The recording from timer programme or direct recording may have a little bit of delay when it starts to record the broadcast programme.

Please make sure the USB device is inserted. If not, a warning message will pop up.

1. Press the ● button to record the programme that you are currently watching. The recording progress bar will appear for a few seconds.

2. Press the ● button again, the recording progress bar will disappear.

3. Press the ■ button to stop recording.

⚠️ Recording will stop automatically when the disk is full.
* Delete files from File Manager under Setup menu (refer to page 43 for details on PVR Settings).

If you want to turn off your TV during recording, press the ◄ button on the rear panel of the TV or on the remote control. A dialogue will display.

The recording is still in Progress. Do you want to switch off the TV?
- Yes, Stop recording and switch off the TV.
- Yes, turn off the screen and sound, but keep recording.
- No

Press the ▲▼ buttons to select your desired option and then press the OK button to confirm.
If you select the middle option in the box, the screen will turn off but the recording will still be in progress, the LED indicator will alternatively flash red and blue.
Advanced Features

Timer Programming (DTV Mode)

This function is used to perform scheduled recording.

The recording from timer programme or direct recording may have a little bit of delay when it starts to record the broadcast programme.

Please make sure the USB device is inserted. If not, a warning message will pop up.

1. Press the **GUIDE** button on the remote control. The EPG menu will appear.

2. Press the **↑↓←→** buttons and then the **●** button to select the desired programme you want to record. The Scheduled Record will be display.

3. Press the **↑↓** buttons to select the Frequency. And then press the **➡➡** buttons to select the Off / Once / Daily / Weekly.

4. Press the **↑↓** buttons to select the Channel. And then press the **➡➡** buttons to select the channel that you want to record.

5. Press the **↑↓** buttons to select the Start Time. The Calendar will be display.

6. Use the **↑↓←→** buttons select the Year / Month / Day. And then press the **OK** button to confirm.
7. Press the ▲▼ buttons to select the first digit of hour. Use the 0-9 buttons and the ◀▶ buttons to enter the Hour and Minutes.

8. Press the ▲▼ buttons to select the End Time. The Calendar will be display.

9. Use the ◀▶▲▼ buttons select the Year / Month / Day. And then press the OK button to confirm.

10. Press the ▲▼ buttons to select the first digit of hour. Use the 0-9 buttons and the ◀▶ buttons to enter the Hour and Minutes.

11. After finishing all the recorder adjustments, press the ▲▼ buttons to select Save to confirm your settings. A Scheduled Record Setting List will be displayed.

⚠️ If a programme recording starts when the TV is in standby mode, the LED indicator will flash red and blue.
Advanced Features

Play Recorded Programme

You can play a recorded programme from the File Manager or from a USB Storage Device.

From File Manager

1. Press the MENU button to display the main menu. Press the ◄► buttons to select the Setup and then press the ▼ button or the OK button.

2. Press the ▲▼ buttons to select PVR Settings and then press the OK button or the ► button to enter PVR Settings menu.

3. Press the ◄► buttons and then the OK button to select the File Manager. The File Manager with Scheduled Record will be displayed.

4. Press the ▲▼ buttons to select the recorded programme and the press the OK button to view.

5. Press the OK button or the i button to display the function bar. Press the ◄► buttons and then OK button to select the playback function.
Advanced Features

From a USB Storage Device

1. Press the INPUT button on the TV or on the remote control and then press the ▲▼ buttons to select the USB mode and then press the OK button.

2. Press the ▶ ▼ buttons to select MOVIE and then press the OK button.

3. Press the ▲▼ buttons to select your storage device and then press the OK button.

4. Press the ▲▼ buttons to select the "PVR" folder and then press the OK button.

5. Press the ▲▼ buttons to select the recorded programme folder and then press the OK button.

6. Press the ▲▼ buttons and then the OK button to select the record programme to view.

7. Press the OK button or the i button to display the function bar. Press the ▶ ▼ buttons and then OK button to select the playback function. Press the BLUE button to enter the Quick Menu. And then press the ▲▼▼ buttons to select the functions: Repeat / Encode Type.

8. Press the EXIT button to return to the previous menu.
**DVD Operation**

**Using the Built-in DVD Player**

1. Insert a disc with the label side facing towards the rear of the TV. (CD-R, CD-RW, DVD-R, DVD-RW, CD, DVD+R, or DVD+RW) Allow 10 seconds for the player to load the disc. If you insert the disc wrongly, an error message will be displayed.

2. After the disc is inserted, the TV will change the input source to DVD automatically and Smart NAVI will show the content of the disc automatically.

3. If the DVD player does not automatically play the disc, press the INPUT button on the TV or on the remote control to display the INPUT SOURCE list. Use the ▲▼ buttons to select DVD and then press the OK button to confirm. Press the ► button on the unit or on the remote control to start playing.

4. Press the ▲ button on the right side panel of the TV or on the remote control if you want to remove the disc.

---

![DVD Logo](image)

---

### Compatible Disc Types

<table>
<thead>
<tr>
<th>Disc Types</th>
<th>Disc Logo</th>
<th>Recorded Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>DVD-VIDEO (Digital Versatile Disc)</td>
<td><img src="image" alt="DVD Logo" /></td>
<td>AUDIO + VIDEO</td>
</tr>
<tr>
<td>DVD±RW (Audio/Video format or JPEG files)</td>
<td><img src="image" alt="RW Logo" /></td>
<td>AUDIO + VIDEO + JPEG</td>
</tr>
<tr>
<td>DVD±R (DVD Recordable - Audio/Video format or JPEG files)</td>
<td><img src="image" alt="RW Logo" /></td>
<td>AUDIO + VIDEO + JPEG</td>
</tr>
<tr>
<td>CD-R (CD Recordable - Audio/Video format or JPEG files)</td>
<td><img src="image" alt="CD Logo" /></td>
<td>AUDIO + VIDEO + JPEG</td>
</tr>
<tr>
<td>CD-RW (CD-ReWritable - Audio/Video format or JPEG files)</td>
<td><img src="image" alt="CD Logo" /></td>
<td>AUDIO + VIDEO + JPEG</td>
</tr>
<tr>
<td>AUDIO-CD (Compact Disc Digital Audio)</td>
<td><img src="image" alt="Audio-CD Logo" /></td>
<td>AUDIO</td>
</tr>
</tbody>
</table>

---

### Supported Formats

**JPEG**

- The file extensions has to be .jpg and not .jpeg.
- Pictures encoding must comply with JPEG/ISO format.
- This DVD player can only display DCF-standard still pictures or JPEG pictures such as TIFF.

---

![Warning Icon](image)

**Some recorded files may not be played due to the type and format of the disc or condition of the recording.**
DVD Operation

Basic DVD Playback Functions

Playing the DVD

Depending on the disc, a menu may appear on the TV screen once the disc has loaded. When playing the disc, you may use the ▶/‖ button on the unit or the ▶/‖ button on the remote control to toggle between Play and Pause mode. This product also supports Menu / Title / Sequential / Programme Playback.

Menu Playback (for DVD)

For DVD discs, the screen will display the DVD Disc Menu (Root Menu).
Press the ▶/‖ button on the unit or the OK button or the ▶/‖ button on the remote control to start from the highlighted content.
Press the DVD MENU button to return to the Root Menu when playing the disc.
For some DVD discs you may need to press the DVD MENU button or the TITLE button to display the Disc Menu.

Stopping Playback

Press the ■ button once to stop. Press the ▶/‖ button on the unit or the ▶/‖ button on the remote control to resume from where you stopped.
Press the ■ button twice to stop. Press the ▶/‖ button on the unit or the ▶/‖ button on the remote control to start from the beginning.
In order to protect the disc, press the ■ button and then press the ▲ button on the unit or on the remote control to eject the disc. When the disc is ejected, hold the disc edge slightly and remove it from the disc slot.
When not using the DVD function (in stand-by-mode or using other modes for a long period of time), please take out the disc to protect the DVD loader and the disc.

Previous / Next (for DVD / CD / Multimedia discs)

Press the ◀ button to play the last Title / Chapter / Track.
Press the ▶ button to play the next Title / Chapter / Track.
For DVD discs, the above functions may vary due to different DVD disc’s structure.

Forward / Backward (for DVD / CD / Multimedia discs)

There are 5 forward and backward speed. Press the ◀ or ▶ button to toggle between the different speed options in sequence. (x 2 / x 4 / x 8 / x 16 / x 32 / Play).
Press the ▶/‖ button on the unit or the ▶/‖ button on the remote control to return to normal speed playback.
For DVD discs, when selecting backward to first title / chapter, the disc will start from the beginning.

⚠️ There will be no sound during Forward or Backward.

Pause (for DVD / CD / Multimedia discs)

Press the ◀/‖ button on the unit or the ▶/‖ button on the remote control to pause; press the button again to resume playback.

Repeat (for DVD / CD / Multimedia discs)

Press the REPEAT button once to display the current repeat mode.

- For CD discs, while playing in sequence, you may use the repeat playback. There are 2 repeat modes, press the REPEAT button to toggle between the different repeat modes in sequence. (REPEAT (OFF) / REPEAT (TRACK) / REPEAT (ALL)).
- For DVD discs, you may setup the repeat playback mode. There are 3 repeat modes, press the REPEAT button to toggle between the different repeat modes in sequence. (REPEAT (OFF) / REPEAT (CHAPTER) / REPEAT (TITLE) / REPEAT (ALL)).
For example, if there are two movies on the disc.
REPEAT ALL: will repeat two movies
REPEAT TITLE: will repeat only one selected movie
REPEAT CHAPTER: repeat only one selected chapter of movie
DVD Operation

• For DIVX discs, while playing the disc, you may use the repeat playback. There are 4 repeat modes, press the REPEAT button to toggle between the different repeat modes in sequence. (REPEAT [SINGLE] / REPEAT [ONE] / REPEAT [ALL] / SHUFFLE / RANDOM / REPEAT [FOLDER]).

• For MP3 / JPEG discs, while playing the disc, you may use the repeat playback. There are 2 repeat modes, press the REPEAT button to toggle between the different repeat modes in sequence. (REPEAT [OFF] / REPEAT [SINGLE] / REPEAT [FOLDER]).

Display (for DVD / Multimedia discs)

Press the i button to activate the on screen roll-down menu.
Press the i button repeatedly to turn off the on screen display.
For DVD discs, press the i button once to display the first page as shown below:

<table>
<thead>
<tr>
<th>Title Elapsed</th>
</tr>
</thead>
<tbody>
<tr>
<td>TT 02/11 CH 05/10</td>
</tr>
<tr>
<td>00:02:56</td>
</tr>
</tbody>
</table>

Press the i button twice to display the second page as shown below:

<table>
<thead>
<tr>
<th>Title Remain</th>
</tr>
</thead>
<tbody>
<tr>
<td>TT 02/11 CH 05/10</td>
</tr>
<tr>
<td>00:01:42</td>
</tr>
</tbody>
</table>

Press the i button three times to display the three page as shown below:

<table>
<thead>
<tr>
<th>Chapter Elapsed</th>
</tr>
</thead>
<tbody>
<tr>
<td>TT 02/11 CH 05/10</td>
</tr>
<tr>
<td>00:03:05</td>
</tr>
</tbody>
</table>

Press the DISPLAY button four times to display the four page as shown below:

<table>
<thead>
<tr>
<th>Chapter Remain</th>
</tr>
</thead>
<tbody>
<tr>
<td>TT 02/11 CH 05/10</td>
</tr>
<tr>
<td>00:01:33</td>
</tr>
</tbody>
</table>

For JPEG discs, press the i button once to display first page: Disc type, Track -/- (Current / Full).

Angle (for DVD)

Allows you to switch the viewing angle of video.
Press the ANGLE button repeatedly to select the different angle you want (Only for the discs has this character).

Zoom (for DVD)

Allows you to select the video size of programme stream.
Press the ZOOM button to select the size you want.

Goto (for DVD / CD / Multimedia discs)

This function allows you to play your favourite Title / Chapter / Time. Press the GOTO button to activate the on screen scroll-down menu for selecting. Input your Title / Chapter / Time by pressing the 0-9 buttons or input the playback time. After editing, press the OK button to start. If the input is invalid, it will not function.

⚠️ • For some discs, only **Time** can be selected in the GOTO function.
• Different media have different result.
DVD Operation

Audio (for DVD / CD)
Press the AUDIO button to toggle between different audio modes in sequence.
For CD discs: Stereo / Mono Left / Mono Right / Mix-Mono.

⚠️ Some discs may contain multiple languages which can be selected by pressing the AUDIO button.

Repeat A-B (for DVD / CD)
When playing DVD, CD disc, press the A-B button to repeat certain content. Press the A-B button on the start point (A) and the end point (B) to select the repeat part. Press the A-B button a third time to cancel the A-B button function and return to normal playback.

Program (for DVD)
The Program Playback option allows entering the order in which the chapters or tracks will be played, up to a maximum of 20.
Press the PROG button to display the Program Menu. According to the highlight, input your chapter / title number by pressing the 0-9 buttons and use the ▼ button to highlight the Start item on the screen. Press the OK button to confirm. The chapters / title will play in the programmed order. During program playback, press the PROG button, the programmed order and the contents will be displayed on the screen. To clear the programmed order, use the ▲▼ buttons to highlight the Stop item, then press the OK button. To modify the programmed order, use the ▲▼ buttons to highlight the modifying item and enter the new chapter / title you want to program directly.
## DVD Operation

### Using the DVD General Setup Page

In the DVD mode, press the **DVD SETUP** button on the remote control. Press the **<**,**>** buttons to select the **General Setup Page** menu, and then press the **▲▼** buttons to select the menu options. Press the **DVD SETUP** button to exit the menu.

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TV Type</strong></td>
<td><img src="image" alt="4:3 Pan Scan" /> Widescreen picture shown in the full screen with some part cut.</td>
</tr>
<tr>
<td><strong>4:3 Letter box</strong></td>
<td>Widescreen picture shown in the full screen with black bars on the top and bottom of the screen.</td>
</tr>
<tr>
<td><strong>Wide</strong></td>
<td>Widescreen picture shown in the full screen.</td>
</tr>
<tr>
<td><strong>OSD Language</strong></td>
<td>Set the OSD language to your language of choice</td>
</tr>
<tr>
<td><strong>Screen Saver</strong></td>
<td>When the player stops or the picture becomes motionless for a couple of minutes, there will be a screen saver to prevent damage to the display screen.</td>
</tr>
<tr>
<td><strong>Last Memory</strong></td>
<td>ON: Shutdown the TV before the settings for memory, re-boot the machine setting. OFF: Every time the TV automatically switched back to the default settings.</td>
</tr>
</tbody>
</table>

The default language is English.
**DVD Operation**

**Using the DVD Audio Setup Page**

In the DVD mode, press the **DVD SETUP** button on the remote control. Press the ◀▶ buttons to select the **Audio Setup Page** menu, and then press the ▲▼ buttons to select the menu options. Press the **DVD SETUP** button to exit the menu.

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Speaker Setup / Downmix</strong></td>
<td>LT/RT Mixed stereo LT/RT output.</td>
</tr>
<tr>
<td></td>
<td><strong>Stereo</strong> Mixed stereo surround output.</td>
</tr>
<tr>
<td><strong>Dynamic</strong></td>
<td>This is used to set the compression ratio in order to control the sound (volume) contrast.</td>
</tr>
</tbody>
</table>

**Using the DVD Preference Setup Page**

In the DVD mode, press the **DVD SETUP** button on the remote control. Press the ◀▶ buttons to select the **Preference Setup** menu, and then press the ▲▼ buttons to select the menu options. Press the **DVD SETUP** button to exit the menu.

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TV Type</strong></td>
<td>In order for the disc to play, the colour system of the DVD player, disc and TV should match.</td>
</tr>
<tr>
<td></td>
<td><strong>PAL</strong> This is the format used in UK.</td>
</tr>
<tr>
<td></td>
<td><strong>Multi</strong> This format can be used if your TV / DVD is capable of both PAL and NTSC formats and this is the default setting.</td>
</tr>
<tr>
<td></td>
<td><strong>NTSC</strong> This format is used by some other countries, e.g. USA.</td>
</tr>
<tr>
<td></td>
<td><strong>PAL format is generally used for TV’s in the UK.</strong> If NTSC is selected with a non-compatible television, you may experience interference or picture scrolling.</td>
</tr>
</tbody>
</table>
### DVD Operation

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Audio</strong></td>
<td>Set the Audio language to your language of choice.</td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="Not all DVD discs support multiple audio languages." /></td>
</tr>
<tr>
<td><strong>Subtitle</strong></td>
<td>Select the Subtitle language.</td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="Not all DVD discs support multiple audio languages." /></td>
</tr>
<tr>
<td><strong>Disc Menu</strong></td>
<td>Select the Disc Menu language.</td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="The default language is English." /></td>
</tr>
<tr>
<td><strong>Parental</strong></td>
<td>Allows the user to set a maximum rating level for a movie that can be played (e.g. PG rating). Movies rated higher than the level set will not be played. The parental lock can only be changed after inputting the correct password.</td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="This function is available only when the discs have ratings encoded on them." /></td>
</tr>
<tr>
<td><strong>Password</strong></td>
<td><strong>Password Change</strong></td>
</tr>
<tr>
<td></td>
<td>To change the password, you need to:</td>
</tr>
<tr>
<td></td>
<td>1. Input old password. (For initial use, please enter factory default password “136900”.)</td>
</tr>
<tr>
<td></td>
<td>2. Input a new 6 digit password and then press the OK button to confirm.</td>
</tr>
<tr>
<td><strong>Default</strong></td>
<td>To restore all setup parameters to the factory settings EXCEPT the password and parental lock status. This function is available in stop state or when the tray is opened.</td>
</tr>
</tbody>
</table>
# Troubleshooting

The following table contains various hints and tips to get the best performance from your TV. If you require additional assistance, please call our customer care center on **1300 530 800**.

## 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 plug from the mains socket for a few minutes. Reconnect the mains plug and try to operate it again as usual. |
| TV cannot be switched on | • Check that the TV is connected to the mains supply is switched on. • 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. • Ensure that the batteries are installed with the correct polarity (+ to +, - to -). • Install new batteries. |
| Power is suddenly turned off | • Check the power of the TV. The mains supply maybe interrupted. • Check if the sleep timer is set. • Check whether the Auto Standby is activated. |

## The video function does not work.

| No Picture & No Sound | • Check whether the TV is switched on. • 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. • Try another channel. The problem may be caused by the broadcaster. • 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. • Station signal is weak, reposition the aerial for better reception. • 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 HDMI. |
| Picture appears in wrong ratio | • Adjust the Aspect Ratio settings in the PICTURE menu or press the ASPECT button on the remote control. |

## The audio function does not work.

| Picture OK but no sound | • Press the VOL + / – buttons on the rear panel of the TV or the VOL ▲ / ▼ on the remote control. • Sound muted? Press the \[ \] button. • 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 HDMI. |
| Audio noise | • Keep the RF coaxial cable away from other connected cables. |
| Distorted sound | • Adjust the SOUND MODE setting in the SOUND menu, depending on the type of program you are watching. |
Password

Lost password
• Select the New Password setting in the Lock System menu, then enter the following master password “8899”. The master password clears your previous password and allows you to enter a new password.

The DVD function does not work.

DVD will not read the disc
• Check if the disc is correctly inserted.
• Check that the disc is clean.
• Check if there is any obvious damage to the disc.
• Try to play the disc on another DVD to check whether it has content.

DVD does not have the signal
• Check if the TV is in DVD mode.

Lost DVD password
• Select Password in the Preference Page of DVD menu, then enter the following master DVD password “136900”. The master password clears your previous password and allows you to enter 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 incorrect position
• Use Auto configure or adjust clock, phase, or H/V position.

Screen colour is unstable or shows a single colour
• Check the signal cable.
• Reinstall the PC video card.

Channels are not recording.

Not all channels record
• You can only record free to air channels.
• You may have run out of space on your USB storage device. Delete some files or use another USB storage device.

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 re-scan your digital box or TV. Don’t worry, it is easy to do. And once you’ve done it, you should get all the 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.
• 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.

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 at home. We suggest you have an aerial survey done before getting an aerial upgrade.
• Talk to your retailer or contact your local aerial installer.
Other Information

Maintenance

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

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 slightly 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.

Handling Discs
- Do not touch the playback side of the disc.
- Do not attach paper or tape to the disc.

Cleaning Discs
- Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the centre outwards with a soft cloth. Always keep the disc clean.

Storing Discs
- Do not store discs in places subjected to direct sunlight or near heat sources.
- Do not store discs in places subjected to moisture and dust such as a bathroom or near a humidifier.
- Storing discs vertically in a case, stacking discs or placing objects on discs outside of their cases may cause warping.
Display Modes

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

Although this TV is compatible with a 1080i/1080p input, it is possible that the screen may not display the exact resolution this resolution and consequently the picture quality will be adjusted accordingly.

**YPbPr Mode**

<table>
<thead>
<tr>
<th>Resolution</th>
<th>Vertical Frequency (Hz)</th>
<th>Aspect Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>480i: 720 x 480</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>480p: 720 x 480</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>576i: 720 x 576</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>576p: 720 x 576</td>
<td>50</td>
<td>Auto / 4:3 / 16:9 / Zoom /</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Subtitle / Smart Zoom</td>
</tr>
<tr>
<td>720p: 1280 x 720</td>
<td>50</td>
<td>60</td>
</tr>
<tr>
<td>1080i: 1920 x 1080</td>
<td>50</td>
<td>60</td>
</tr>
<tr>
<td>1080p: 1920 x 1080</td>
<td>50</td>
<td>60</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Resolution</th>
<th>Vertical Frequency (Hz)</th>
<th>Aspect Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>640 x 480</td>
<td>60</td>
<td>4:3 / 16:9</td>
</tr>
<tr>
<td></td>
<td>72</td>
<td></td>
</tr>
<tr>
<td>800 x 600</td>
<td>60</td>
<td>72</td>
</tr>
<tr>
<td></td>
<td>72</td>
<td>75</td>
</tr>
<tr>
<td>1024 x 768</td>
<td>60</td>
<td>70</td>
</tr>
<tr>
<td></td>
<td>60</td>
<td>75</td>
</tr>
<tr>
<td>1360 x 768</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>1366 x 768</td>
<td>60</td>
<td></td>
</tr>
</tbody>
</table>

**HDMI Mode**

<table>
<thead>
<tr>
<th>Resolution</th>
<th>Vertical Frequency (Hz)</th>
<th>Aspect Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>480i: 1440 x 480</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>480p: 720 x 480</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>576i: 1440 x 576</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>576p: 720 x 576</td>
<td>50</td>
<td>Auto / 4:3 / 16:9 / Zoom /</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Subtitle / Smart Zoom</td>
</tr>
<tr>
<td>720p: 1280 x 720</td>
<td>50</td>
<td>60</td>
</tr>
<tr>
<td>1080i: 1920 x 1080</td>
<td>50</td>
<td>60</td>
</tr>
<tr>
<td>1080p: 1920 x 1080</td>
<td>50</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td></td>
<td>60</td>
</tr>
</tbody>
</table>
## Technical Specifications

<table>
<thead>
<tr>
<th>Model no.</th>
<th>L24HTC17a</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display screen type</td>
<td>Direct LED Display</td>
</tr>
<tr>
<td>Display size</td>
<td>23.6” Diagonal</td>
</tr>
<tr>
<td>Viewing angle</td>
<td>178° / 178° (H / V)</td>
</tr>
<tr>
<td>Aspect ratio</td>
<td>16:9</td>
</tr>
<tr>
<td>Resolution</td>
<td>1366 (H) x 768 (V)</td>
</tr>
<tr>
<td>Output Power supply</td>
<td>DC 12V → 3.0A</td>
</tr>
<tr>
<td>TV receiver</td>
<td>PAL: BG, DK, I &amp; DVB-T</td>
</tr>
<tr>
<td>Frequency range</td>
<td>Analogue: 46.25MHz ~ 814.25MHz</td>
</tr>
<tr>
<td></td>
<td>Digital VHF: 104.5MHz ~ 226.5MHz</td>
</tr>
<tr>
<td></td>
<td>UHF: 522.5MHz ~ 816.5MHz</td>
</tr>
<tr>
<td>Video in system</td>
<td>PAL/NTSC</td>
</tr>
<tr>
<td>Antenna input impedance</td>
<td>75Ω</td>
</tr>
<tr>
<td>Speaker output</td>
<td>2 x 3.8W</td>
</tr>
<tr>
<td>Inputs</td>
<td>RF IN, HDMI x 1, AV, VGA (D-sub), PC Audio, USB, YPbPr</td>
</tr>
<tr>
<td>Outputs</td>
<td>Headphone, Coaxial</td>
</tr>
<tr>
<td>PVR file system</td>
<td></td>
</tr>
<tr>
<td>USB device</td>
<td>FAT32, externally powered devices up to 2TB</td>
</tr>
<tr>
<td>USB media types</td>
<td>JPEG, MP3, MPG</td>
</tr>
<tr>
<td>Power supply for remote control</td>
<td>DC 3V (2 x AAA size batteries)</td>
</tr>
<tr>
<td>Power consumption</td>
<td>28 W</td>
</tr>
<tr>
<td>Dimensions (LxWxH)</td>
<td></td>
</tr>
<tr>
<td>TV with stand</td>
<td>554 x 146 x 375 mm</td>
</tr>
<tr>
<td>TV without stand</td>
<td>554 x 75 x 355 mm</td>
</tr>
<tr>
<td>Net weight</td>
<td></td>
</tr>
<tr>
<td>TV with stand</td>
<td>3.0 kg</td>
</tr>
<tr>
<td>TV without stand</td>
<td>2.8 kg</td>
</tr>
<tr>
<td>VESA wall mount pattern</td>
<td>200 x 100mm</td>
</tr>
<tr>
<td>Wall mount screw size</td>
<td>Metric M4 x 4 pieces</td>
</tr>
<tr>
<td>Operating environment</td>
<td>0°C - 40°C</td>
</tr>
</tbody>
</table>

Note: The LCD panel is a high technology product, giving you finely detailed pictures. Occasionally, a few non-active pixels may appear on the screen as a fixed point of colour. This does not affect the performance of your product.

This user manual is for reference only. Specifications are subject to change without notice.