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## IMPORTANT SAFETY INSTRUCTIONS

- **Read these instructions** – All the safety and operating instructions should be read before this product is operated.
- **Keep these instructions** – The safety and operating instructions should be retained for future reference.
- **Heed all warnings** – All warnings on the appliance and in the operating instructions should be adhered to.
- **Follow all instructions** – All operating and use instructions should be followed.
- **Do not use this apparatus near water** – The appliance should not be used near water or moisture – for example, in a wet basement or near a swimming pool, and the like.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as 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.
- Please keep the unit in a well-ventilated environment.
- **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus should not be exposed to dripping or splashing. Objects filled with liquids, such as vases should not be placed on the apparatus.
- **WARNING:** The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
- **WARNING:** The wall socket plug is used as disconnect device, the disconnect device shall remain readily operable.



- This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated “dangerous voltage” within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.
- Warning: To reduce the risk of electric shock, do not remove cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel.
- The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.

 This equipment is a Class II or double insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth.



**Warning: To prevent the spread of fire, keep candles or other open flames away from this product at all times.**

## SAFETY INFORMATION



This product contains electrical or electronic materials. The presence of these materials may, if not disposed of properly, have potential adverse effects on the environment and human health.

Presence of this label on the product means it should not be disposed of as unsorted waste and must be collected separately. As a consumer, you are responsible for ensuring that this product is disposed of properly.

**HDMI** This TV incorporates High-Definition Multimedia Interface (HDMI™) technology. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

To ensure reliable and safe operation of this equipment, please carefully read all the instructions in this user guide, especially the safety information below.

### Electrical Safety

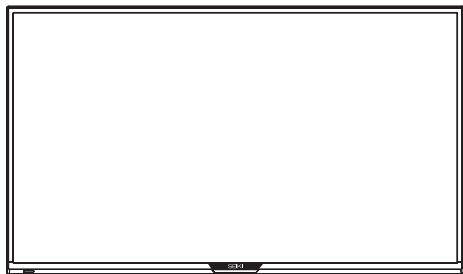
- The TV set should only be connected to a main power supply with voltage that matches the label at the rear of the product.
- To prevent overload, do not share the same power supply socket with too many other electronic components.
- Do not place any connecting wires where they may be stepped on or tripped over.
- Do not place heavy items on any connecting wire, which may damage the wire.
- Hold the main plug, not the wires, when removing from a socket.
- During a thunderstorm, or when not using the television for extended period of time, turn off the power switch on the back of the television.
- Do not allow water or moisture to enter the TV or power adapter. Do NOT use in wet, moist areas, such as bathrooms, steamy kitchens or near swimming pools.
- Pull the plug out immediately, and seek professional help if the main plug or cable is damaged, liquid is spilled onto the set, if the TV set accidentally exposed to water or moisture, if anything accidentally penetrates the ventilation slots or if the TV set does not work normally.
- Do not remove the safety covers. There are no user-serviceable parts inside. Trying to service the unit yourself is dangerous and may invalidate the product's warranty. Qualified personnel must only service this apparatus.
- To avoid a battery leakage, remove batteries from the remote control, when the remote is not use for long period, or when the batteries are exhausted.
- Do not break open or throw exhausted batteries into a fire.

### Physical Safety

- Do not block ventilation slots in the back cover. You may place the TV in a cabinet, but ensure at least 5cm (2") clearance all around.
- Do not tap or shake the TV screen, or you may damage the internal circuits. Take good care of the remote control.
- To clean the TV use a soft dry cloth. Do not use solvents or petroleum based fluids.
- Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding plug has two blades and a third grounding prong. The wide blade, or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs.
- Unplug the apparatus during lightning storms or when unused for long periods.
- Refer all servicing to a qualified service personnel. Servicing is required if the apparatus does not operate normally or if the apparatus, including the power supply cord or plug, has been damaged in any way.
- Servicing is also required if liquid has been spilled, or objects have fallen into the apparatus; when the apparatus has been exposed to rain or moisture; or if the apparatus has been dropped.
- Always connect your television to a power outlet with protective ground connection.

# PREPARATION

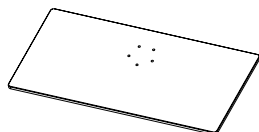
## What is Included



TV Set



Remote Control with Batteries



Base Stand



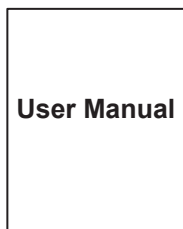
Stand Support



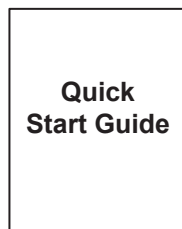
Seven Screw :MPW4×14-HO



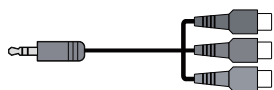
Five Screw :TP4X12A-HO



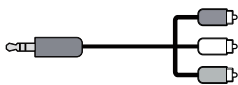
User Manual



Quick Start Guide

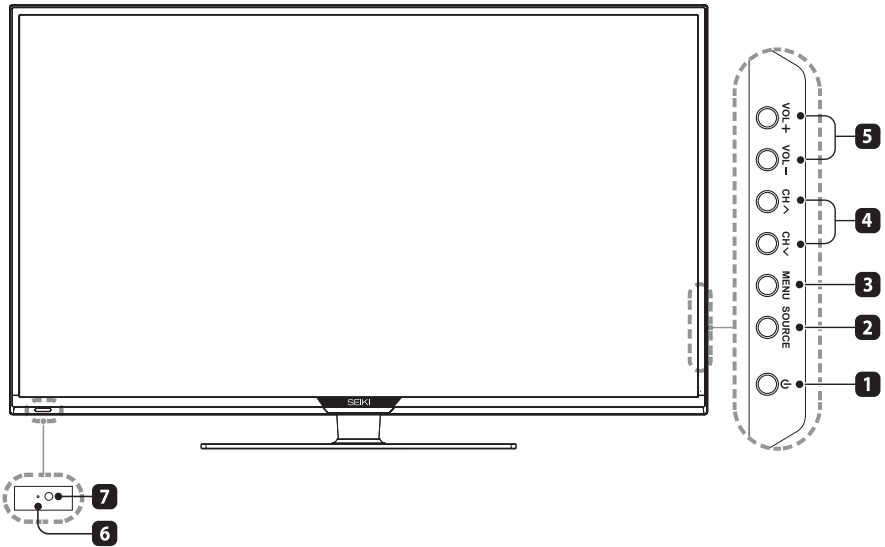


MINI YPBPR cable



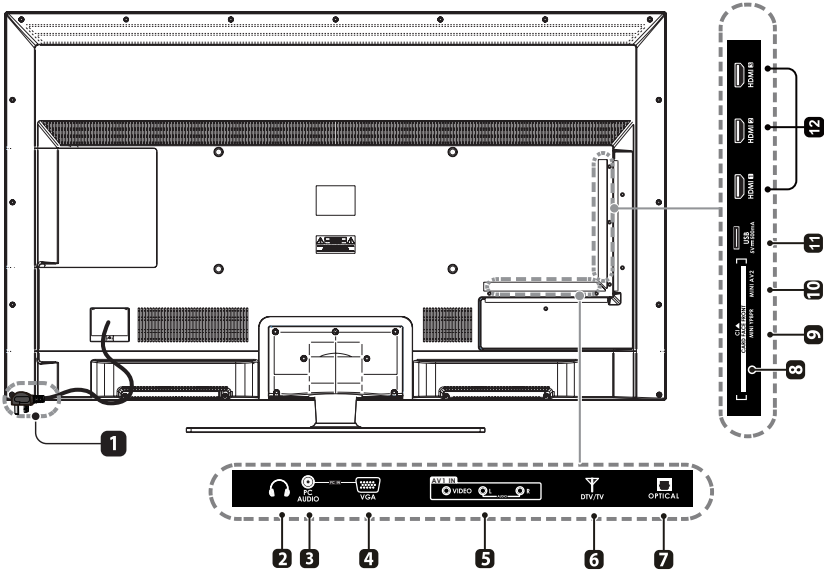
MINI AV cable

Front View



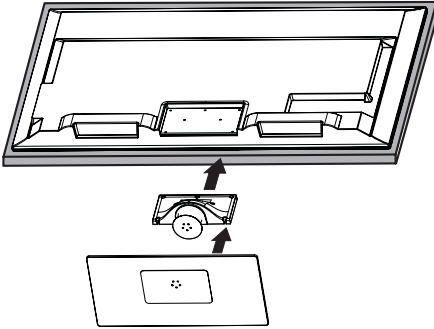
1. **POWER**  
Switch the TV between On / Standby mode.
2. **SOURCE**  
Press to select among different input signal sources.
3. **MENU**  
Display the OSD (on screen display) menu.
4. **CH ^/~**  
Press to select a channel.
5. **VOL +/-**  
Press to adjust the volume.
6. **POWER Indicator**  
Illuminate blue when the TV is turned on. Illuminate red when the TV is in standby mode.
7. **IR (Infrared Receiver)**  
Receive IR signals from the remote control.

**Rear View**



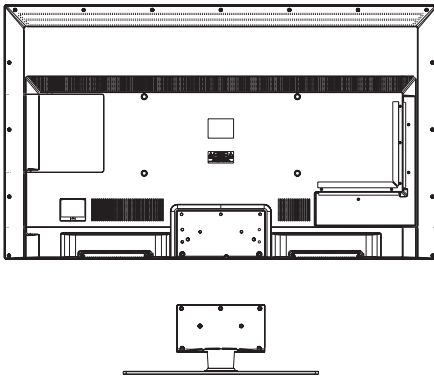
1. **Power Cord**  
Connect to AC power outlet.
2. **Headphone Socket**  
Connect to the Headphones.
3. **PC AUDIO Input**  
Connect to a computer audio output.
4. **VGA Input**  
Connect to a computer or other devices with a VGA interface.
5. **AV1 Input**  
Need standard RCA cables (Yellow, White, Red) which are less than 5 m (not supplied).
6. **DTV/TV Input**  
Connect to the antenna (75Ω VHF/UHF) socket with the RF coaxial cable.
7. **OPTICAL Digital Audio Output**  
Connect to the audio socket on the digital audio system.
8. **CI Slot**  
Used to insert a CI card. A CI card allows you to view all the channels that you subscribe to.
9. **MINI YPBPR**  
Connect to AV devices with component (Y/Pb/Pr) video and audio output sockets. COMPONENT&VIDEO share with AUDIO IN(L/R).
10. **MINI AV2**  
Connect to the composite VIDEO and AUDIO (L/R) output sockets on external video devices.
11. **USB Port**  
Connect to a USB storage device to play compatible audio and photo files. (USB mode)
12. **HDMI Inputs**  
Connect to a High-Definition (HD) signal output device.

### Installing the Base Stand



- 1. Lay the TV face-down on a flat, cushioned surface to avoid damaging or scratching.
- 2. Fix the stand support to the TV using the 7 pcs provided screws.
- 3. Fix the base stand to the TV using the 5 pcs provided screws.

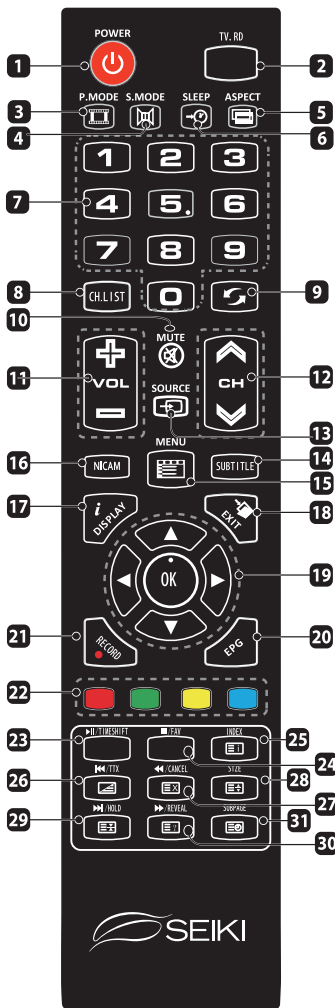
### Removing the Stand for Wall-Mounting



- 1. Lay the TV face-down on a flat, cushioned surface to avoid damaging or scratching.
- 2. Untighten the 7pcs screws holding the stand assembly and remove them.
- 3. Attach the wall-mount bracket to the TV using the mounting holes on the back of the TV. Mount this TV according to the instructions included in the wall-mount bracket.

**WARNING:** This apparatus is intended to be supported by UL Listed wall mount bracket.

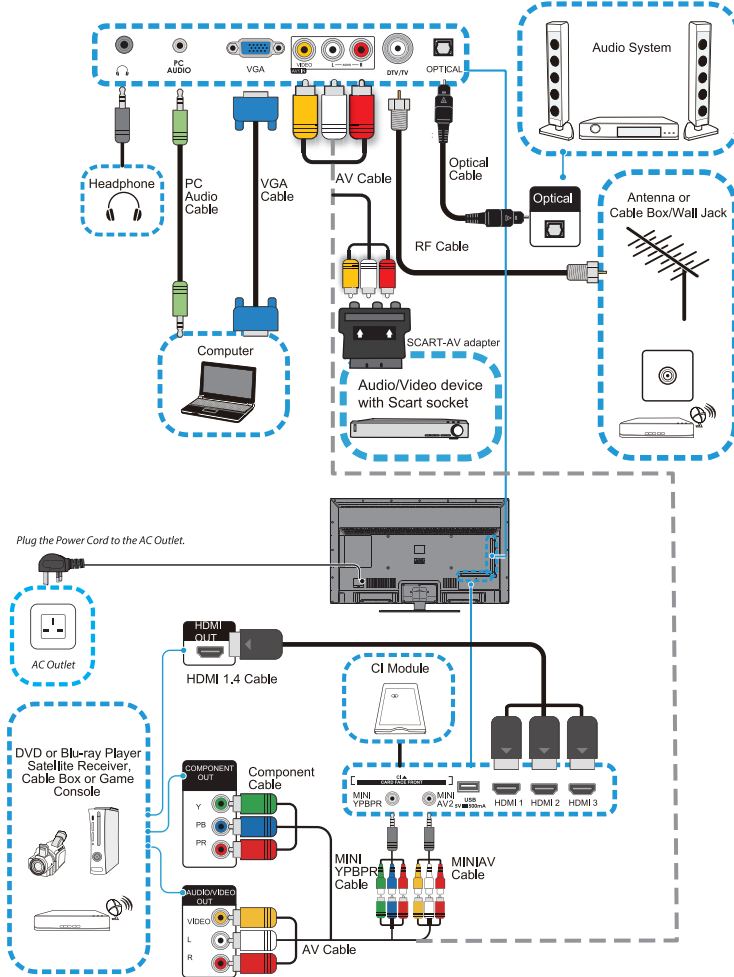
Remote Control



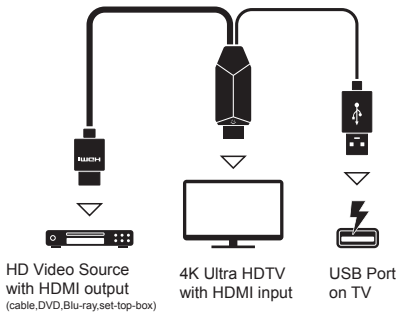
1. **⏻**: Switches the TV between on and standby mode.
2. **TV.RD**: Select TV program or Radio program. (DTV mode).
3. **P.MODE**: Select picture mode: Dynamic / Standard / Mild / Use.
4. **S.MODE**: Select sound mode: Standard / Music / Movie / Use.
5. **ASPECT**: Select from the following mode settings: 16:9 / Zoom1 / Zoom2 / Auto / 4:3.
6. **SLEEP**: Set the TV sleep timer.
7. **0-9** Number Button: Press to select a programme. (ATV / DTV mode)
8. **CH.LIST**: Display channel list. (ATV / DTV mode)
9. **↶**: Return to the previous viewing channel. (ATV / DTV mode)
10. **🔇**: **MUTE** Mutes and restores your TV sound.
11. **VOL +/-**: Adjust the volume.
12. **CH ^/v**: Select a channel.
13. **SOURCE**: Select among the different input signal sources: DTV / ATV / AV1 / AV2 / YPbPr / HDMI1/HDMI2/HDMI3 / PC / USB .
14. **SUBTITLE**: Display the subtitle which is broadcast with the program. (DTV mode)
15. **MENU**: Display the OSD'on screen display'menu.
16. **NICAM**: Switch between different audio channels (only applicable when the TV programme has this feature).
17. **DISPLAY**: Display the present screen information such as the current channel and the input source.
18. **EXIT**: Exit the OSD (On Screen Display) menu.
19. **◀ ▶ ▲ ▼**: Allows you to navigate the OSD menus and adjust the system settings to your preference.  
**OK**: Confirm the selection in the OSD menus.Display a list of channels saved in the TV tuner memory.
20. **EPG**: Display the EPG (Electronic Program Guide). (DTV mode)
21. **● Record**: Record the current programme. (DTV mode)
22. Press the button to select corresponding fuction on the screen.
23. **⏮**: Press to start playback or pause.(USB Mode)  
**TIMESHIFT**: Turn on and off the Timeshift function.(DTV Mode)
24. **⏹**: Press to stop playback.(USB Mode)  
**FAV**: Display the Favourite Channel list.(ATV/DTV Mode)
25. **📄**: **INDEX** Press to select the page number of the INDEX from teletext.(ATV/DTV Mode)
26. **📄**: **TTX** Turn on and off the teletext function.(ATV/DTV Mode)
27. **⏮**: Press to skip to the beginning of the previous chapter or track.(USB mode)
28. **📄**: **CANCEL** To exit the teletext mode.(ATV/DTV Mode)  
**⏮**: Press to fast rewind.(USB Mode)
29. **📄**: **SIZE** To enlarge the picture on the TV in teletext. (ATV / DTV mode)
29. **📄**: **HOLD** Freeze a multi-page passage on the screen in Teletext.(ATV/DTV Mode)  
**⏮**: Press to skip to the beginning of the next chapter or track.(USB Mode)
30. **📄**: **REVEAL** Reveal hidden information such as the answer to a quiz in Teletext.(ATV/DTV Mode)  
**⏮**: Press to advance playback rapidly.(USB Mode)
31. **📄**: **SUBPAGE** Displays the subpage on the teletext screen. (ATV / DTV mode)



# CONNECTING EXTERNAL DEVICES



## U-Vision Cable:

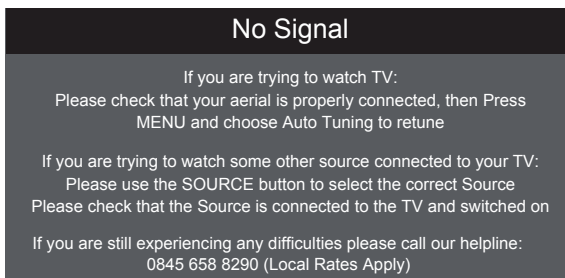
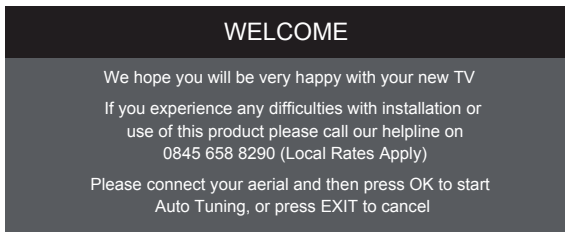


1. Designed for use with 4K Ultra HDTVs
2. Up-convert Full HD content into high-quality 4K Ultra HD
3. Improves picture quality of HD video content
4. Performs real-time detail enhancement, edge restoration and noise reduction

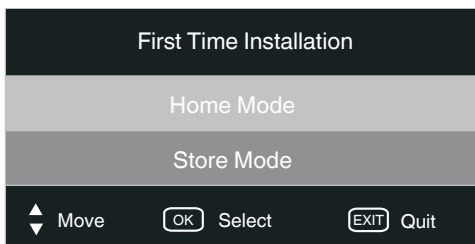
## General Operation

### Initial Setup

- Connect one end of the RF coaxial cable (not included) to the aerial socket on the wall and the other end of the cable to the RF (75) socket at the rear right bottom view of your TV.
- Connect the mains cable to the mains socket after you have completed all the connections.
- In standby mode, press the **⏻** button on the front right side panel of the TV or the **⏻** button on the remote control to turn the TV on. The red LED indicator will turn blue.
- The first time you turn your TV on it will go straight to the WELCOME screen. Please connect the aerial and then press the OK button or press EXIT to go to the No Signal screen.



- The first time you turn the TV on, press the **▲/▼** buttons to select your desired mode setting.

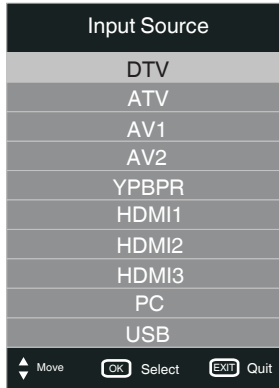


- Press the **▲/▼/◀/▶** buttons to navigate the menu and change the settings.



<b>OSD Language</b>	Selects your desired language to be displayed on the menu. The default on-screen menu language is set as English.
<b>Country</b>	Selects the country where you will operate the TV. The default country is set as UK.
<b>Tune Type</b>	Selects the tune type: ATV+DTV/DTV/ATV.
<b>OK</b>	<p>Press the <b>OK</b> button to start auto tuning. Channel Tuning will commence. This operation may take up to several minutes. The display will show the progress of the tuning and the number of channels found.</p> <div style="text-align: center;"> </div>

### ■ Selecting Input Source



- Press the **SOURCE** button on the front right side panel of the TV or the **SOURCE** button on the remote control to display the Input Source list.
- Press the ▲/▼ buttons to select the input source that you want: DTV / ATV / AV1 / AV2 / YPBPR / HDMI1 / HDMI2 / HDMI3 / PC/ USB.
- Press the **OK** button to confirm your selection.

### ■ Channel Selection

- Press the **CH** ^/v buttons on the remote control repeatedly or the **0-9** buttons to select the channel.

**Alternative:**

Press the **CH.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.

### ■ Display Channel Information

- Press the **DISPLAY** button to view the current information.

### ■ Volume Adjustment

- Press the **VOL + / -** buttons on the side panel of the TV or on the remote control to adjust the volume.
- If you wish to switch the sound off, press the **⊗** button. Press the **⊗** button again or the **VOL +** buttons to resume audio listening.

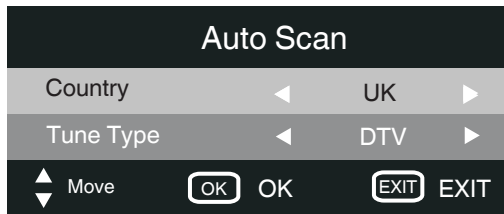
# CUSTOMIZING TV SETTINGS

## Channel Settings

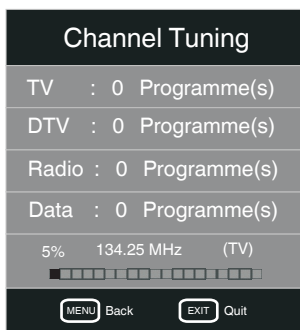


### Auto Scan

- Press the **▲/▼** buttons to select Auto Scan and then press the **OK** button.



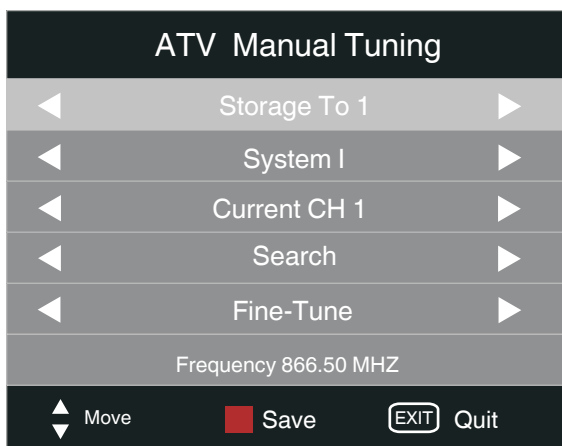
- In the Auto Scan menu. Press the **▲/▼/◀/▶** buttons to select the country where you will operate the TV and the Tune Type: ATV+DTV/DTV/ATV. Press the **OK** button to start auto tuning.
- Channel tuning will commence. This operation may take up to several minutes. The display will show the progress of the tuning and the number of channels found.



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

#### ATV Manual Tuning (ATV Mode)

- Press the **MENU** button to display the main menu. Press the ◀/▶ buttons to select **CHANNEL** and then press the **OK** button.
- Press the ▲/▼ buttons to select ATV Manual Tuning and then press the **OK** button.
- The ATV Manual Tuning screen will pop up. Use the ▲/▼ buttons to select the following options and the ◀/▶ buttons to adjust the setting.

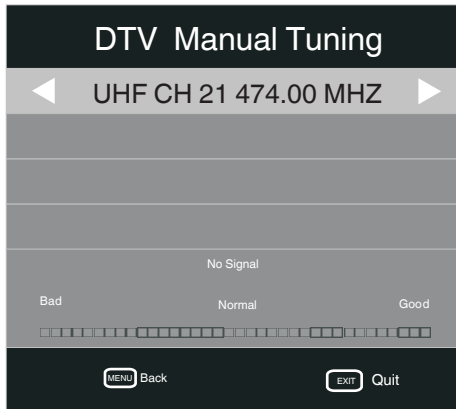


<b>Storage To 1</b>	Selects a channel number.
<b>System I</b>	Selects the sound system: I / DK / L / BG.
<b>Current CH 1</b>	Displays the current channel number.
<b>Search</b>	Press the ◀/▶ buttons to start the manual tuning.
<b>Fine-Tune</b>	Press the ◀/▶ buttons to make manual fine tuning adjustments.

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

### DTV Manual Tuning

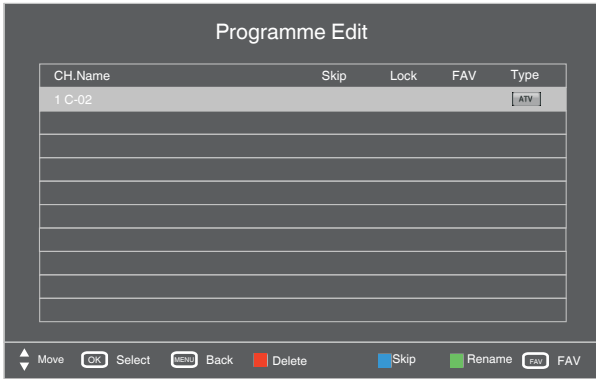
- Press the **MENU** button to display the main menu. Press the ◀/▶ buttons to select **CHANNEL** and then press the **OK** button.
- Press the ▲/▼ buttons to select DTV Manual Tuning and then press the **OK** button.
- In the DTV Manual Tuning menu. Press the ◀/▶ buttons to select the desired UHF channel and then press the **OK** button to commence the search of that channel. When the signal has been tuned, the picture and signal strength will be displayed on the screen.



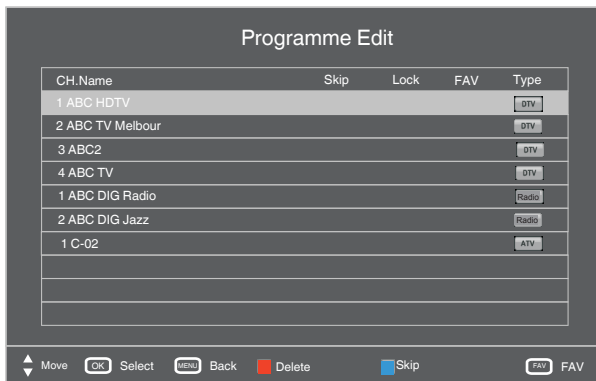
### Programme Edit

- Press the **MENU** button to display the main menu. Press the ◀/▶ buttons to select **CHANNEL** and then press the **OK** button.
- Press the ▲/▼ buttons to select Programme Edit and then press the **OK** button.
- A Programme Edit screen will pop up. Press the ▲/▼ buttons to select the programme you want to edit.

### ATV Mode



### DTV Mode



- **Delete**  
Press the **RED** button to delete the selected channel.
- **Skip**  
Press the **BLUE** button to select the channels that you want to skip when you are selecting channels. Press the **BLUE** button again to undo it.
- **Rename (For ATV mode only)**  
Press the **GREEN** button to rename the selected channel. Press the ▲/▼ buttons to select the characters to represent the station name. Press the ◀/▶ buttons to move to the next character and then press the **OK** button again to confirm the new name.
- **FAV (Favorite)**  
Press the **FAV** button to set the selected channel as one of the favorite programmes. Press the **FAV** button again to undo it.



**Signal Information (DTV Mode)**

- Press the **MENU** button to display the main menu. Press the ◀/▶ buttons to select **CHANNEL** and then press the **OK** button.
- Press the ▲/▼ buttons to select Signal Information and then press the **OK** button to view the signal information.

**CI(Common Interface) Information (DTV Mode )**

The common interface allows the use of a Common Access Module to enable you to view scrambled (pay to view) service. These services are provided by TopUp TV and others. The Common Access Module and viewing card can be obtained from the service provider.

**Note:** Do not repeatedly insert or remove the Common Access Module as this may damage the interface and cause a malfunction.

This feature is not available in all countries.

**To insert the Common Access Module**

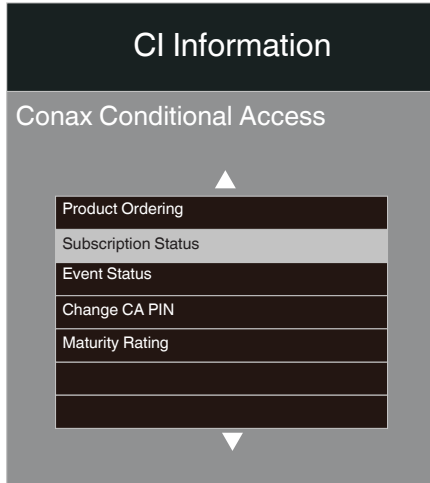
- Before you insert the Common Access Module, ensure that the TV is switched off and the viewing card is inserted in accordance with the Service Provider's Instructions.
- Insert the Common Access Module into the slot. Flip the Common Access Module to another side and try again if you feel resistance.
- Switch the TV on.

**To remove the Common Access Module**

- Before you remove the Common Access Module, ensure that the TV is switched off.
- Pull the Common Access Module from the slot.
- Switch the TV on.

**To view the module information**

- Press the **MENU** button to display the main menu. Press the ◀/▶ buttons to select **CHANNEL** and then press the **OK** button.
- Press the ▲/▼ buttons to select CI Information and then press the **OK** button.
- A CI Information main menu will pop up. Press the ▲/▼ buttons to select the options and then press the **OK** button to view.



Note: This screen is for illustration only.

**Software Update (OAD)**

- Press the **MENU** button to display the main menu. Press the ◀/▶ buttons to select **CHANNEL** and then press the **OK** button.
- Press the ▲/▼ buttons to select the Software Update (OAD) and then press the **OK** or ▶ button to update the software.

**Record Start (DTV)**

- Press the **MENU** button to display the main menu. Press the ◀/▶ buttons to select **CHANNEL** and then press the **OK** button.
- Press the ▲/▼ buttons to select Record Start and then press the **OK** button to start record.

**Recorded List**

- Press the **MENU** button to display the main menu. Press the ◀/▶ buttons to select **CHANNEL** and then press the **OK** button.
- Press the ▲/▼ buttons to select Recorded List and then press the **OK** button to view the recorded list.



<b>Delete</b>	Press the <b>RED</b> button to delete the selected programme.
<b>Info.</b>	Press the <b>DISPLAY</b> button to display detailed information of the selected programme. (If available)
<b>Select</b>	Press the <b>OK</b> or <b>PLAY</b> button to play the selected programme.
<b>Index</b>	Press the <b>INDEX</b> button to select the category type: Programme / Channel / Time.

### Recorded Mode

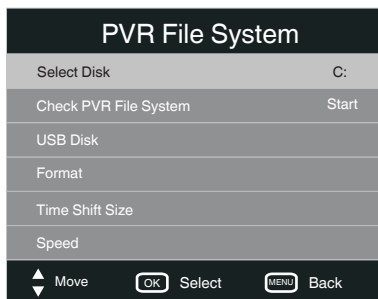
- Press the **MENU** button to display the main menu. Press the ◀/▶ buttons to select **CHANNEL** and then press the **OK** button.
- Press the ▲/▼ buttons to select Recorded Mode and then press the **OK** button.
- A Programme Schedule menu will pop up. Press the ▲/▼/◀/▶ buttons to adjust the settings and then press the **OK** button to save. (See “Timer Programming” for details)

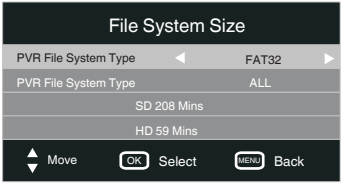
### Schedule List

- Press the **MENU** button to display the main menu. Press the ◀/▶ buttons to select **CHANNEL** and then press the **OK** button.
- Press the ▲/▼ buttons to select Schedule List and then press the **OK** button to view the preset reminders or scheduled recordings in the schedule list.

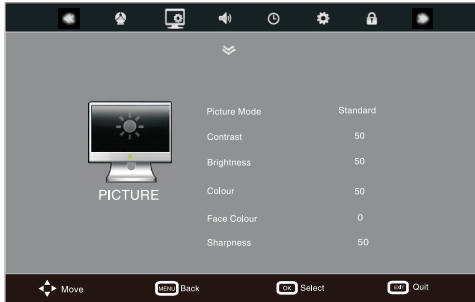
### PVR File System

- Press the **MENU** button to display the main menu. Press the ◀/▶ buttons to select **CHANNEL** and then press the **OK** button.
- Press the ▲/▼ buttons to select PVR File System and then press the **OK** button.
- Press the ▲/▼ buttons to select the following PVR File System options and press the **OK** button.



<b>Select Disk</b>	Select the disk where you want to store your recorded content.
<b>Check PVR File System</b>	Press the <b>OK</b> button, the system will now check your USB device's suitability for PVR. The system will show "Checking". Upon the completion the system will show either "Success" or "Fail".
<b>USB Disk</b>	If no USB storage device is connected, it will show "No USB Disk". If the Check PVR File System has a "Success" it will show "Pass".
<b>Format</b>	<p>Press the <b>OK</b> button, a File System Size menu will pop-up. Press the ◀/▶ buttons to select your preferred file type between FAT32 and HiSpeed FS. If you select HiSpeed FS, press the ▼ button and then press the ◀/▶ buttons to select your preferred file size. Press the <b>OK</b> button to confirm and then press the button to start formatting.</p> 
<b>Time Shift Size</b>	After formatting the Time Shift Size menu will appear if you have selected HiSpeed FS in PVR File System Type. Press the ◀/▶ buttons to select your preferred file size. Press the <b>OK</b> button to confirm. This option cannot be chosen if you have selected FAT32 in PVR File System Type.
<b>Speed</b>	This shows you the transfer rate of your USB storage device.

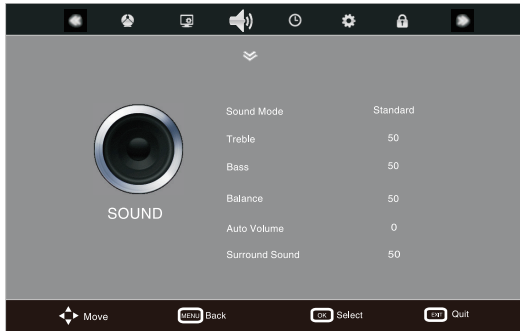
**Picture Settings**



- Press the **MENU** button to display the main menu. Press the ◀/▶ buttons to select **PICTURE** and then press the **OK** button.
- Press the ▲/▼ buttons to select the option you want to adjust in **PICTURE** menu.
- Press the ▲/▼/◀/▶ buttons to adjust each option's setting.
- Press the **EXIT** button to exit the menu.

<b>Picture Mode</b>	Cycles among picture mode: Standard / Mild / User / Dynamic. Alternative: you may press the <b>P.MODE</b> button to select the picture mode directly.
<b>Contrast</b>	Adjusts the difference between light and dark levels in the picture. (For User mode)
<b>Brightness</b>	Increases or decreases the amount of white in the picture. (For User mode)
<b>Colour</b>	Controls the colour intensity. (For User mode)
<b>Face Colour</b>	You can adjust the face colour to your preference
<b>Sharpness</b>	Adjusts the level of crispness in the edges between light and dark areas of the picture. (For User mode)
<b>Tint (For NTSC format)</b>	Adjust the balance between red and green levels. (Tint is only available for NTSC signal input via the SCART or AV IN.)
<b>Colour Temperature</b>	Cycles among colour temperature: Medium / Warm / Cool.Adjusts the colour components independently to achieve a warm or cool. (For User mode) <ul style="list-style-type: none"> <li>• Warm: increase red tint</li> <li>• Medium</li> <li>• Cool: increase blue tint</li> </ul>
<b>Aspect Ratio</b>	Allows you to watch the screen in various picture formats: 16:9/ Zoom1 / Zoom2 / Just Scan(Only HDMI Mode) / Auto / 4:3.
<b>Noise Reduction</b>	Reduces the noise level of the connected device: Middle/ High/ Off/ Low.
<b>PC Setup</b>	Adjusts the PC desktop content.

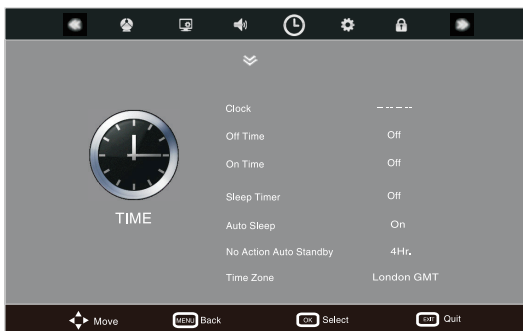
**Sound Settings**



- Press the **MENU** button to display the main menu. Press the ◀/▶ buttons to select **SOUND** and then press the **OK** button.
- Press the ▲/▼ buttons to select the option you want to adjust in **SOUND** menu.
- Press the ▲/▼/◀/▶ buttons to adjust each option's setting.
- Press the **EXIT** button to exit the menu.

<b>Sound Mode</b>	Allows the selection of an audio-enhancement technique: Standard / Music / Movie / Sports / User. Alternative: you may press the <b>S.MODE</b> button to select the sound mode directly.
<b>Treble</b>	Controls the relative intensity of higher-pitched sounds. (For User mode)
<b>Bass</b>	Controls the relative intensity of lower-pitched sounds. (For User mode)
<b>Balance</b>	Adjusts the relative volume of the speaker in a multiple speaker system.
<b>Auto Volume</b>	Volume levels are automatically controlled (e.g., advertisements tend to be louder than the programmes).
<b>Surround Sound</b>	Selects the surround sound mode: On/Off.
<b>AD Switch (For DTV mode)</b>	Audio Description is an auxiliary audio function that provides an additional audio track for visually challenged persons. This function handles the Audio Stream for the AD(Audio Description), when it is sent along with the main audio from the broadcaster. <ul style="list-style-type: none"> <li>• set to "Off" for normal broadcasting sound coming out from speakers.</li> <li>• set to "On" to activate the description sound track if available.</li> </ul>
<b>AD Volume</b>	Set the volume of the description sound track.
<b>SPDIF Mode</b>	Selects the digital audio output mode: PCM/Auto/Off.

**Time Settings**



- Press the **MENU** button to display the main menu. Press the ◀/▶ buttons to select **TIME** and then press the **OK** button.
- Press the ▲/▼ buttons to select the option you want to adjust in **TIME** menu.
- Press the ▲/▼/◀/▶ buttons to adjust each option's setting.
- Press the **EXIT** button to exit the menu.

<b>Clock (DTV mode)</b>	The clock is set automatically when receiving a digital signal.
<b>Off Time</b>	The unit will turn off automatically at specified time that you have set.
<b>On Time</b>	The unit will turn on automatically at specified time that you have set.
<b>Sleep Timer</b>	Press the ◀/▶ buttons to select a period of time after which the TV automatically switches to standby mode: Off / 10 / 20 / 30 / 60 / 90 / 120 / 180 / 240 min. Alternative: You may press the SLEEP button repeatedly to select the number of minutes directly.
<b>Auto Sleep</b>	Selects to turn <b>On/Off</b> Auto Sleep function.
<b>No Action Auto Standby</b>	The unit will automatically switch to standby mode 2/3/4/5/6 hours after the last time the remote control was used. If you want to operate the TV for a long period of time, turn off the auto standby function. (default setting:4 hours)
<b>Time Zone (DTV mode)</b>	Selects your desired Time Zone city.
<b>Daylight saving</b>	Selects to turn on/off the Daylight saving function.

## Option Settings



- Press the **MENU** button to display the main menu. Press the ◀/▶ buttons to select **OPTION** and then press the **OK** button.
- Press the ▲/▼ buttons to select the option you want to adjust in **OPTION** menu.
- Press the ▲/▼/◀/▶ buttons to adjust each option's setting.
- Press the **EXIT** button to exit the menu.

<b>OSD Language</b>	Allows you to select your desired on-screen menu language.
<b>Audio Languages 1st / 2nd</b>	Allows you to select your desired primary or secondary audio language. (Available for digital channels if multiple audio languages are broadcast.)
<b>Subtitle Language 1st / 2nd</b>	Allows you to select your desired primary or secondary subtitle language. (Available for digital channels if multiple subtitle languages are broadcast.)
<b>OSD Duration</b>	Displays time of the on-screen menu: 5s / 10s / 15s / ... / 35s / 40s.
<b>Blue Screen</b>	Allow the blue background to turn on/off during weak or no signal conditions.
<b>Back Light</b>	Adjust brightness of the back light
<b>Country</b>	Selects the country where you will operate the TV. The default country is set as Sweden.
<b>MEMC</b>	The function control the MEMC of the picture, press the ▶ button to select the MEMC mode: Off/Low/Middle/High.
<b>Dynamic CR</b>	Dynamic luminance control ON or OFF
<b>Energy Mode</b>	Selects your desired mode setting. Home Mode: Viewing at home. Store Mode: For store demo, the brightness is higher than home mode.
<b>Restore Factory Default</b>	Resets all settings to the factory defaults.



**Lock Settings**



- Press the **MENU** button to display the main menu. Press the ◀/▶ buttons to select **LOCK** and then press the **OK** button.
- Use the 0-9 buttons to input a 4-digit password to enter the **LOCK** menu. Enter the default password “0000” for the first time use.
- Press the ▲/▼ buttons to select the option you want to adjust in **LOCK** menu.
- Press the ▲/▼/◀/▶ buttons to adjust each option’s setting.
- Press the **EXIT** button to exit the menu.

<b>Enable Locks</b>	<p>The Enable Locks is designed to prevent accidental returning of the TV / losing channels and prevent children watching unsuitable programme.</p> <p>The Enable Locks must be set to On for this function to operate. If the Enable Locks is set to On, a valid password must be entered when you access Auto Scan / Manual Tuning / Programme Edit / Restore Factory Default.</p>
<b>Set Password</b>	<p>Use the 0-9 buttons to input the old password and then input the new 4-digit password. Re-enter new password for confirmation.</p> <p>Note: the default password is “0000”.</p>
<b>Block Program</b>	<p>Block Program is designed to prevent children watching unsuitable programmes. When a channel is blocked, a valid password must be entered.</p>
<b>Parental Guidance</b>	<p>This function allows you to set up blocking schemes to block specific channels and ratings. Press the ◀/▶ buttons to select an age rating: Off, 4-18.</p>

**Hotel Setting**

<b>Hotel Lock</b>	<p>Hotel Lock On will cause all the following settings to be enabled.</p> <p>Hotel Lock Off will cause all the following settings to be disabled.</p>
<b>Channel Lock</b>	<p>The CHANNEL in the main meun can't be selected,when set it to on</p>

## CUSTOMIZING TV SETTINGS

<b>Picture Lock</b>	The PICTURE in the main menu can't be selected,when set it to on
<b>Sound Lock</b>	The SOUND in the main menu can't be selected,when set it to on
<b>Time Lock</b>	The TIME in the main menu can't be selected,when set it to on
<b>Option Lock</b>	The OPTION in the main menu can't be selected,when set it to on
<b>Key Lock</b>	The button of the TV will be locked,when set it to on
<b>Source Lock</b>	Setting one of the sources on will be hidden in the Input Source
<b>Set Source</b>	Setting one of the sources will force the TV to always turn to the same station, when the power is first switched on
<b>Channel Number</b>	Use the 0~9 buttons to set a station number, then the TV will turn to this station, when the power is switched on.
<b>Max Volume</b>	Use the ◀/▶ buttons to adjust the max. available volume and press OK to confirm. (The function serves to regulate the max. available volume in order not to disturb other guests by loud listening. Select according to your preferences. If 100 selected, it means the max volume will not be limited.)
<b>Default Volume</b>	Setting the default volume when the TV is switched on.
<b>Clear Lock</b>	Clear all the setting of the Hotel Mode.
<b>DataBase Export</b>	Export all the hotel setting to the USB and the file's name is "DATABASE.bin", when export the database successfully a menu"Export Success" will show on the screen.
<b>DataBase Import</b>	Import the "DATABASE.bin" in the USB to the TV, and the TV will go to Standby mode, when importing successfully

Hotel Setting		
Hotel Lock	On	
Channel Lock	Off	
Picture Lock	Off	
Sound Lock	Off	
Time Lock	Off	
Option Lock	Off	
Key Lock	Off	
Source Lock		
Set Source	DTV	
Channel Number	0	
MAX Volume	100	
Default Volume	30	
Clear Lock		
DataBase Export		
▲ Move	◀▶ Adjust	EXIT Quit



## Using the 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.



The screenshot shows a 'Programme Guide' interface. At the top, it displays '16 Jul 2013' and '03:02-04:55'. Below this, there is a table with the following data:

16 Jul 04:16	
1	03:02-04:55
2	04:55-05:35 30
3	05:35-06:55 (67)
4	06:55-07:15 (25)
5	07:15-08:05 (26)
6	08:05-08:22 (27)
	09:22-09:54 (28)
	09:54-10:55 (29)

At the bottom of the screen, there are navigation controls: 'Move' (with a directional pad icon), 'OK', 'Watch', 'Prev Day' (with a left arrow icon), 'Next Day' (with a right arrow icon), 'DISPLAY' (with a monitor icon), 'Info.', and 'Schedule' (with a yellow square icon).

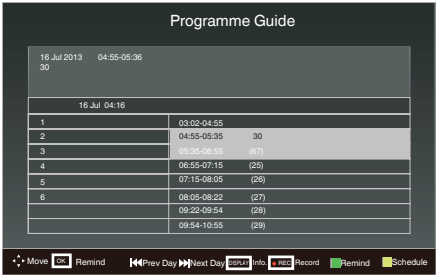
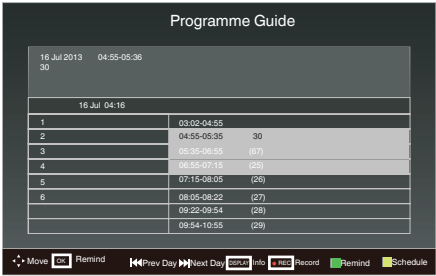
#### Switch On/Off EPG

- Press the **EPG** button to switch on **EPG**.
- Press the **EPG** button or the **EXIT** button again to switch off **EPG** and return to normal TV viewing.

#### Select a Programme

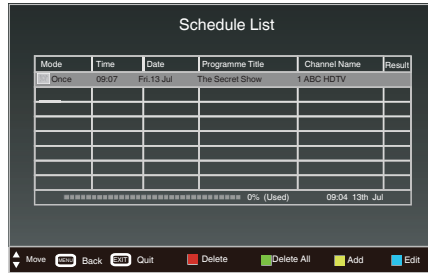
- Press the **▲/▼** buttons to select the desired channel, press the **►** button and then press the **▲/▼** buttons to select the desired programme.

## Button Functions in a 7 Days Guide

Remote Control Button	Function
<b>◀◀</b>	Press the <b>◀◀</b> button to view the schedule of the previous day.
<b>▶▶</b>	Press the <b>▶▶</b> button to view the schedule of the next day.
<b>DISPLAY</b>	Press to display detailed information of the selected programme (if available).
<b>• RECORD</b>	<p>Press the <b>• RECORD</b> button while on the selected programme to set the scheduled recording. The TV will automatically record the selected programme when it starts.</p> 
<b>GREEN (Remind)</b>	<p>Press the <b>GREEN</b> button while on the selected programme to set the reminder. Press the <b>GREEN</b> button again to turn off reminder. The TV will automatically tune to the selected programme when it starts.</p> 

**YELLOW (Schedule)**

Press the **YELLOW** button to view the preset reminders or scheduled recordings in the schedule list. Press the **MENU** button to return to the EPG.

**Teletext (ATV Mode)**

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

**To Turn on Teletext Function**

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

In ATV mode, press the **TEXT** button to enter Teletext mode. Press the **INDEX** button to display the index page. Press the **TEXT** button once to exit and the TV will return to the channel you were watching.

**To select a page of text**

Find the number of the page in the index and enter it using the **0-9** buttons. The number of the page will appear on the top left corner of the screen. The page counter will search for your page. When it finds it, the page will be displayed. To move to the next page of text, press the **▲** button. To move to the previous page, press the **▼** button. To return to the index page, enter the "**100**" by using the **0-9** buttons or press the **INDEX** button.

**Mix**

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

### Double height text

If you have difficulty reading the text on the TV you can double the height of the text. Press the **SIZE** button. The top half of the page will be displayed in double height text. Press the **SIZE** button again. The bottom half of the page will be displayed in double height text. Press the **SIZE** button again to return to the full page.

### Page HOLD

If the page of text you have selected contains subpages, these subpages will automatically be displayed in order with a delay to allow you to have enough time to read the page. To stop the movie to the next sub page, press the **HOLD** button. To continue moving through the sub pages, press the **HOLD** button again.

### Alternative

Press the **SUBPAGE** button, and then use the 0-9 buttons to enter a 4-digit page number.

### To Reveal Information

Press the **REVEAL** button to reveal concealed information (quiz answers etc.). Press the **REVEAL** button again to conceal the information again.

### Fasttext

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

## Digital Teletext (DTV Mode)

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

### Teletext within Digital Service

1. In DTV mode, press the **LIST** button to display the Channel List.
2. Press the **TEXT** button to display the teletext page.
3. Press the **0-9** buttons to select a page number.
4. Follow the instructions on digital teletext and move onto the next step by pressing **OK**, **◀**, **▲**, **▼**, **▶**, **RED**, **GREEN**, **YELLOW**, **BLUE** or **0-9** buttons etc.
5. To change digital teletext service, select a different service by pressing the **0-9** buttons or the **▲** **▼** buttons.

#### Alternative

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

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

## PVR (Personal Video Recorder)

### Time Shift Function (DTV Mode)

This function allows the TV to virtually record the live viewing broadcast programme. Before using Time Shift function, please make sure the USB device is inserted.

#### Notes:

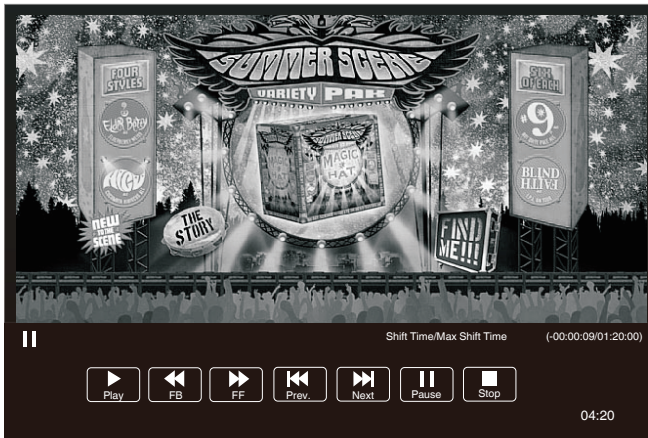
- Time Shift Mode and Recording functions may not work if the signal strength is weak.
- Stop the time-shift function before switching to another input source.
- If the transfer rate of the USB storage device is too slow for recording or time shift function, a warning statement will be shown on the screen. If this happens, please upgrade your USB storage device.

During normal TV viewing, you may press the **TIMESHIFT** button to virtually pause the live viewing broadcast programme if you want to go out for a while (e.g. going to the bathroom / kitchen). “||” will show on the screen and the LED indicator flash red and blue alternately.

When you have returned, press the **▶▶** button to play the missed broadcast programme. “||” will show on the screen.

Alternative: Press the **TIMESHIFT** button to display the PVR Time Shift progress bar and then press the **◀/▶** buttons to select “Play” on the bar. Press the **OK** button to confirm.

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 switch 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 5 seconds. Press the **TIMESHIFT** button to display the PVR Time Shift progress bar again.

<b>TIMESHIFT</b>	During playback, press the <b>TIMESHIFT</b> button to display a still screen.
<b>◀◀/▶▶</b>	When playing, <ul style="list-style-type: none"> <li>• Press the <b>◀◀</b> button repeatedly to speed up forward x 2 / x 4 / x 8 / x 16.</li> <li>• Press the <b>▶▶</b> button repeatedly to speed up backward x 2 / x 4 / x 8 / x 16.</li> <li>• During fast forward / fast backward state, press the <b>PLAY</b> button to return to normal playback.</li> </ul>
<b>◀◀◀/▶▶▶</b>	<ul style="list-style-type: none"> <li>• Press the <b>◀◀◀</b> button to jump about 10% forward.</li> <li>• Press the <b>▶▶▶</b> button to jump about 10% back.</li> </ul>
<b>▶</b>	During playback, press the <b>▶</b> button to display a still screen and then press the <b>▶</b> button again to resume playback.
<b>■</b>	If you want to exit the PVR Time Shift and return to the current live broadcast, press the <b>■</b> button and then press the <b>◀</b> button to confirm.

### 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.

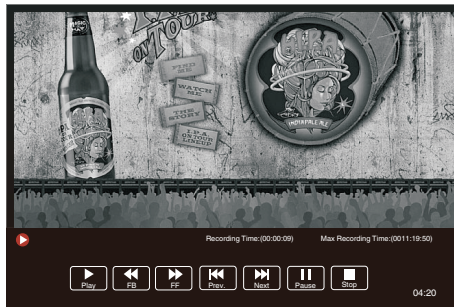
Please make sure the USB device is inserted. If not, a warning message will pop up.

- Press the **●** button to record the programme that you are currently watching.
 

**Note:** The recording progress bar will disappear after 5 seconds. To display the recording progress bar again, press the **●** button.

The LED indicator will flash red and blue alternately when recording.
- Press the **■** button to stop recording.
 

**Note:** Recording will stop automatically when the disk is full.







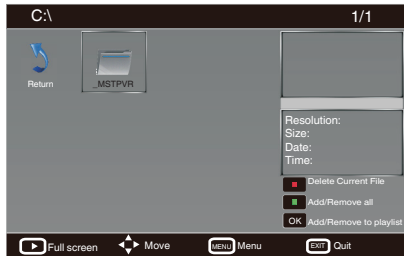
### Play Recorded Programme

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

- Press the **SOURCE** button on the front right side panel of the TV or the **SOURCE** button on the remote control then press the **▲/▼** buttons to select the USB mode and then press the **OK** button.
- Press the **◀/▶** buttons to select **MOVIE**.



- Press the **▲/▼** buttons to select your storage device and then press the **OK** button.
- Press the **▲/▼/◀/▶** buttons to select the “\_MSTPVR” folder and then press the **OK** button.



- Press the **▲/▼/◀/▶** buttons to select the recorded programme, a preview window will pop up.



- Press the ► button to view the movie in full screen.
- Press the **OK** button or the **DISPLAY** button to display the function bar. Press the ◀/▶ buttons and then press the **OK** button to select the function: Repeat / Set A / Playlist /Info. / Slow / Step / Goto Time / Zoom In / Zoom Out / Aspect Ratio / Move View.



- Press the **EXIT** button to return to the previous menu.

### Connecting a USB Storage Device

- Connect your USB storage device to the USB port of your TV.
- Press the **⏻** button on the front right side panel of the TV or the **⏻** button on the remote control to turn on your TV and your USB storage device.
- Press the **SOURCE** button on the front right side panel of the TV or the **SOURCE** button on the remote control to display the Source List. Use the **▲/▼** buttons to select **USB** and then press the **OK** button to confirm.

#### Note:

- Some versions of portable hard disk may require more power than the TV USB socket can provide. To ensure correct operation please use power adapter for that device.
- If a USB hub is used make sure its mains adapter is connected to the mains supply as the total current consumption exceed 500mA.
- The maximum supported storage space of the hard disk is 1 TB.
- The file system only support 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 stabilize 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.

### Viewing Photos

- Press the **SOURCE** button on the front right side panel of the TV or the **SOURCE** button on the remote control then press the **▲/▼** buttons to select the USB mode and then press the **OK** button.
- Press the **◀/▶** buttons to select **PHOTO**.



- Press the ▲/▼ buttons to select your storage device and then press the **OK** button.
- Press the ▲/▼/◀/▶ buttons to navigate in the picture folder and then press the **OK** button.
- Press the ▲/▼/◀/▶ buttons to select the specified picture, a preview window will pop up.



**Note: File format supported: JPG.**

- Press the ▶ button to view the picture in full screen.
- Press the **OK** button or the **DISPLAY** button to display the function bar. Press the ◀/▶ buttons and then press the **OK** button to select the function: Repeat / Music / Playlist / Info. / Rotate Clockwise / Rotate Anticlockwise / Zoom In / Zoom Out / Move View.



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

- Press the **EXIT** button to return to the previous menu.

### Listening to Music

- Press the **SOURCE** button on the front right side panel of the TV or the **SOURCE** button on the remote control then press the ▲/▼ buttons to select the USB mode and then press the **OK** button.
- Press the ◀/▶ buttons to select **MUSIC**.



- Press the ▲/▼ buttons to select your storage device and then press the **OK** button.
- Press the ▲/▼/◀/▶ buttons to navigate in the music folder and then press the **OK** button.
- Press the ▲/▼/◀/▶ buttons to select the specified music, a preview window will pop up.



**Note: Some audio file formats will not be supported.**

#### Supported File format: MP3

- Press the ▶ button to play the music in full screen.
- Press the **OK** button or the **DISPLAY** button to display the function bar. Press the ◀/▶ buttons and then press the **OK** button to select the function: Pause/FB/FF/Prev./Next/Stop/Repeat ALL/Playlist/Goto Time.
- Press the **EXIT** button to return to the previous menu.

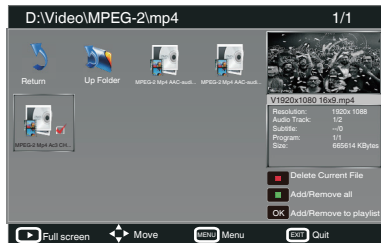


## Viewing Movies

- Press the **SOURCE** button on the front right side panel of the TV or the **SOURCE** button on the remote control then press the **▲/▼** buttons to select the USB mode and then press the **OK** button.
- Press the **◀/▶** buttons to select **MOVIE**.



- Press the **▲/▼** buttons to select your storage device and then press the **OK** button.
- Press the **▲/▼/◀/▶** buttons to navigate in the movie folder and then press the **OK** button.
- Press the **▲/▼/◀/▶** buttons to select the specified movie, a preview window will pop up.



**Note: Some video file formats will not be supported.**

**Supported File format: MPEG 1/2.**

- Press the **▶** button to view the movie in full screen.
- Press the **OK** button or the **DISPLAY** button to display the function bar. Press the **◀/▶** buttons and then press the **OK** button to select the function: Repeat / Set A / Playlist / Info. / Slow / Step / Goto Time / Zoom In / Zoom Out / Aspect Ratio / Move View.
- Press the **EXIT** button to return to the previous menu.



### My Text

- Press the **SOURCE** button on the front right side panel of the TV or the **SOURCE** button on the remote control then press the ▲/▼ buttons to select the USB mode and then press the **OK** button.
- Press the ◀/▶ buttons to select **TEXT**.

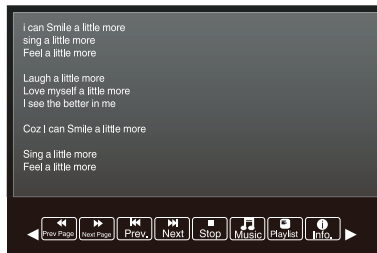


- Press the ▲/▼ buttons to select your storage device and then press the **OK** button.
- Press the ▲/▼/◀/▶ buttons to navigate in the text folder and then press the **OK** button.
- Press the ▲/▼/◀/▶ buttons to select the specified text file, a preview window will pop up.



- Press the ▶ button to view the text in full screen.
- Press the **OK** button or the **DISPLAY** button to display the function bar. Press the ◀/▶ buttons and then press the **OK** button to select the function: Prev. page / Next page / Prev. / Next / Stop / Music / Playlist / Info.

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



- Press the **EXIT** button to return to the previous menu.



## DIGITAL RECEPTION

MHEG-5 ENGINE compliant with ISO/IEC 13522-5 UK engine Profile 1 - for UK
Object carousel support compliant with ISO/IEC 135818-6 and UK DTT profile - for UK
Frequency range: 474-850 MHz for UK models
170-862 MHz for EU models
Transmission standard: DVB-T. MPEG-2
Demodulation: COFDM with 2K/8K FFT mode
FEC: all DVB modes
Video: MP@ML, PAL, 4:3/16:9
Audio: MPEG Layer I&II 32/44.148kHz.

We apologise for any inconvenience caused by any minor inconsistencies in these instructions, which may occur as a result of product improvements and development.

## SUPPORTED FILE FORMATS

Media	File Extension	Format		Supported (Maximum resolution/Bit rate etc.)
		Video	Audio	
Movie	.mpg/.dat/.vob	MPEG1	MPEG Layer 1/2/3	
		MPEG2	MPEG2	
		MPEG2	MPEG2	
Music	-	-	PMC	Sample Rate: 8K ~ 48KHz
	.mp3	-	MPEG 1/2 Layer 1/2/3 MP3)	Sample Rate: 8K ~ 48KHz, Bit Rate: 64K ~ 320Kbps
Photo	.jpg	Baseline JPEG		W x H = 8192 x 8192 up to 77 Mega-pixel Support format: 444/ 440/ 422/ 420/ Grayscale
		Progressive JPEG		Up to 4 Mega-pixel Support format: 444/ 440/ 422/ 420/ Grayscale

## TROUBLESHOOTING

If your TV does not operate normally or cannot be turned on, please check the following troubleshooting questions. Remember also to check any other connected electronic device, such as DVD or Blu-ray player to pinpoint the problem. If the TV still fails to operate normally, please contact technical support.

### The TV does not operate properly

The TV does not respond when pressing any buttons	<ul style="list-style-type: none"> <li>The TV may freeze up during use. Disconnect the power cord from the power socket for a few minutes. Reconnect the power cord and try to operate it again as usual.</li> </ul>
TV cannot be switched on	<ul style="list-style-type: none"> <li>Check that the TV is connected to the power supply.</li> <li>Make sure all connected AV devices are switched off before switching on your TV.</li> </ul>
The remote control does not work	<ul style="list-style-type: none"> <li>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.</li> <li>Ensure that the batteries are installed with the correct polarity (+ to +, - to -).</li> <li>Install new batteries.</li> </ul>
Power is suddenly turned off	<ul style="list-style-type: none"> <li>Check the power of the TV. The power supply maybe interrupted.</li> <li>Check if the sleep timer is set.</li> <li>Check whether the Auto Standby is activated.</li> </ul>

### The video function does not work

No picture & No Sound	<ul style="list-style-type: none"> <li>Check whether the TV is switched on.</li> <li>Try another channel. The problem may be caused by the broadcaster.</li> </ul>
Picture appears slowly after switching on	<ul style="list-style-type: none"> <li>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.</li> </ul>
No or poor color or poor picture	<ul style="list-style-type: none"> <li>Adjust the settings in the PICTURE menu.</li> <li>Try another channel. The problem may be caused by the broadcaster.</li> <li>Check if video cables are connected properly.</li> </ul>
Horizontal/Vertical bar or picture shaking	<ul style="list-style-type: none"> <li>Check for local interference such as an electrical appliance or power tool.</li> </ul>
Poor reception on some channels	<ul style="list-style-type: none"> <li>The station or cable channel may be experiencing problems; tune to another station.</li> <li>Station signal may be weak, reposition the antenna for better reception.</li> <li>Check for sources of possible interference.</li> </ul>
Lines or streaks in pictures	<ul style="list-style-type: none"> <li>Check antenna (change the position of the antenna.)</li> </ul>
No pictures when connecting HDMI	<ul style="list-style-type: none"> <li>Check if the input source is HDMI1/HDMI2/HDMI3.</li> </ul>
Pictures appear in wrong ratio	<ul style="list-style-type: none"> <li>Adjust the Aspect Ratio settings in the SETUP menu or press the ASPECT button on the remote control.</li> </ul>

**The audio function does not work**

Picture OK but no sound	<ul style="list-style-type: none"> <li>• Press the VOL +/- buttons.</li> <li>• Sound muted? Press the MUTE button.</li> <li>• Try another channel. The problem may be caused by the broadcaster.</li> </ul>
No output from one of the speakers	<ul style="list-style-type: none"> <li>• Adjust the Balance settings in the AUDIO menu.</li> </ul>
Unusual sound from inside the TV	<ul style="list-style-type: none"> <li>• 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.</li> </ul>
No sound when connecting HDMI	<ul style="list-style-type: none"> <li>• Check if the input source is HDMI1/HDMI2/HDMI3.</li> </ul>
Audio noise	<ul style="list-style-type: none"> <li>• Keep the RF coaxial cable away from the other connected cables.</li> </ul>

**Password**

Lost password	<ul style="list-style-type: none"> <li>• Select the SET Password setting in the LOCK menu, then enter the following master password "8899". The master password clears your previous password and allows you to enter a new password.</li> </ul>
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**There is a problem in PC mode**

The signal is out of range (invalid format)	<ul style="list-style-type: none"> <li>• Adjust the resolution, horizontal frequency, or vertical frequency.</li> </ul>
Vertical bar or stripe on background and Horizontal Noise and Incorrect position	<ul style="list-style-type: none"> <li>• Use Auto configures or adjust clock, phase, or H/V position.</li> </ul>
Screen color is unstable or show a single color	<ul style="list-style-type: none"> <li>• Check the signal cable.</li> <li>• Reinstall the PC video card.</li> </ul>

**Maintenance**

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

Do not use your TV in areas that are too hot or too cold, because the cabinet may warp or the screen may malfunction. Your TV works best in temperatures that are comfortable to you.

Storage temperatures are 32° to 122°F(0° to 50°C).

Working temperatures are 32° to 95°F(0° to 35°C).

Do not place your TV in direct sunlight or near a heat source.

**Plug replacement - UK and Ireland only**

Should you need to replace the plug; the wires in the power cable are coloured in the following way:

Blue – Neutral 'N'

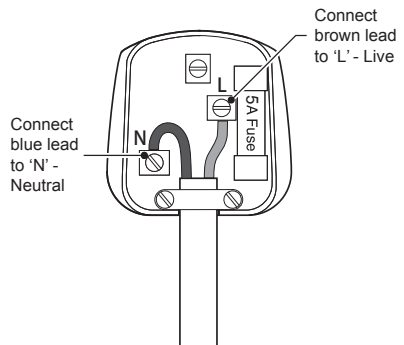
Brown – Live 'L'

As the colours of the wires in the power cable may not correspond with the coloured markings identifying the terminals in your plug, and proceed as follows:

The blue wire must be connected to the terminal that is marked with the letter N.

The brown wire must be connected to the terminal that is marked with the letter L.

If the power lead is damaged, it must be replaced by a qualified electrician.



## SPECIFICATIONS

Panel Size	50 inch diagonally
Display Type	LED
Panel Technology	TFT
Panel 60 Hz Vs. 120 Hz	120 Hz
Display Resolution	3840 x 2160
Panel Resolution	3840 x 2160
Aspect Ratio	16:9
Dynamic Contrast Ratio-Panel	5000:1
Brightness (Centre Typ.) Cd/M <sup>2</sup>	250
Dimensions DxLxH (with foot)	255 x 1130 x 719 mm
Weight (with foot)	18.8 kg
Weight (without foot)	15.7 kg
Dimensions DxLxH (without foot)	139 x 1130 x 663 mm
Response Time (G To G)	6.5 ms
Lamp Life (Typ. Hours)	30,000 hours
Horizontal Viewing Angle (At CR>10)	176
Vertical Viewing Angle (At CR>10)	176
Wall-mount	200x400mm
TV Broadcasting	PAL, B/G, D/K, I, SECAM, L/L'
Receiving Channels	VHF (BAND I/III) - UHF (BAND U) - HYPERBAND
Number of Preset Channels	299
Channel Indicator	On Screen Display
RF Aerial Input	75 Ohm (unbalanced)
Operating Voltage	AC 100-240V~ 50/60Hz
Energy Consumption Data	EEI A
On Mode Power Consumption (W)	92W
Standby Mode (W)	<0.5W
Maximum Power (W)	150W
Standby Mode	After 4 Hours



Products with the CE marking comply with the EMC Directive (2004/108/EC) and the Low Voltage Directive (2006/95/EC) issued by the Commission of the European Community.

The declaration of conformity may be consulted at

## SEIKI LED TV's LIMITED WARRANTY TO ORIGINAL CONSUMER

### 52 inches and Under Screen Size Models (the "Product")

This Product (including any accessories included in the original packaging) as supplied and distributed in new condition, is warranted by Tongfang Global(UK) Co. Ltd. (SEIKI) to the original consumer purchaser against defects in material and workmanship ("Warranty") as follows:

- 1. REPLACEMENT** : For a period of one (1) year from date of original consumer purchase, if this Product or any part is determined by SEIKI, or a SEIKI authorized service provider, to be defective, SEIKI will replace the Product with new or re-certified product of similar or better specification, at SEIKI's option, at no charge to the original consumer. After the one (1) year Warranty period, you must pay for all cost of Product replacement charges.
- 2. PARTS** : For a period of one (1) year from the date of original consumer purchase, SEIKI will supply, at no charge to the original consumer, new, rebuilt or refurbished replacement parts in exchange for defective parts. After the one (1) year Warranty period, you must pay for the costs of all parts.
- 3. SHIPPING COSTS** : Notwithstanding the foregoing, the original consumer is responsible for any shipping charges incurred to ship the Product or part(s) to SEIKI or to an SEIKI authorized customer service provider, for diagnosis, repair or replacement. The consumer is responsible for securely packing the Product and utilizing a reliable carrier to transport to SEIKI authorized service provider.

**To obtain Warranty Service and Troubleshooting information call our toll free customer service line at:**

**0-845-658-8290**

**Please have your model and serial number available along with your date of purchase.**

**You can also visit us online and REGISTER your SEIKI product at:**

**[www.SEIKI.com/UK](http://www.SEIKI.com/UK)**

To receive Warranty service, the original consumer purchaser must contact SEIKI for problem determination and service procedures. **Proof of purchase in the form of a bill of sale or receipted invoice, evidencing that the Product is within the applicable Warranty period(s), MUST be presented to SEIKI, or an authorized customer service provider, in order to obtain the requested service.**

#### **Exclusions and Limitations**

This Warranty covers manufacturing defects in materials and workmanship encountered in the normal, non-commercial use of the Product, and does not cover (a) damage or failure caused by or attributable to abuse, misuse, failure to follow instructions, improper installation or maintenance, alteration, accident, or excess voltage or current; (b) improper or incorrectly performed repairs by non-authorized service facilities; (c) onsite consumer instruction or adjustments; (d) transportation, shipping, delivery, insurance, installation or set-up costs; (e) costs of product removal, transportation or reinstallation costs; (f) ordinary wear and tear, cosmetic damage or damage due to acts of nature, accident; (g) commercial use of the Product; (h) modification of, or to any part of the Product. In addition, this Warranty does not cover images "burnt" into the screen. This Warranty applies to the original consumer only and does not cover products sold AS IS or WITH ALL FAULTS, or consumables (e.g., fuses, batteries, bulbs etc.), and the Warranty is invalid if the factory-applied serial number has been altered or removed from the Product. This Warranty is valid only in the United States and Canada, and only applies to products purchased and serviced in the United States and Canada. All replaced parts and products, and products on which a refund is made, become the property of the Warrantor.

**NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OTHER THAN THOSE EXPRESSLY DESCRIBED ABOVE SHALL APPLY. THE WARRANTOR FURTHER DISCLAIMS ALL WARRANTIES AFTER THE EXPRESS WARRANTY PERIOD STATED ABOVE. NO OTHER EXPRESS WARRANTY OR GUARANTY GIVEN BY ANY PERSON, FIRM OR ENTITY WITH RESPECT TO THE PRODUCT SHALL BE BINDING ON THE WARRANTOR. REPAIR, REPLACEMENT, OR REFUND OF THE ORIGINAL PURCHASE PRICE - AT THE WARRANTOR'S SOLE DISCRETION - ARE THE EXCLUSIVE REMEDIES OF THE CONSUMER. THE WARRANTOR SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE OR INABILITY TO USE THE PRODUCT. NOTWITHSTANDING THE FOREGOING, CONSUMER'S RECOVERY SHALL NOT EXCEED THE PURCHASE PRICE OF THE PRODUCT SOLD BY SEIKI. THIS WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL CONSUMER WHO PURCHASED THE PRODUCT AND IS NOT TRANSFERABLE.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on warranties, so the above limitations or exclusions may not apply to you. This Warranty gives you specific rights, and you may have other rights, which vary from state to state.

**DO NOT SHIP PRODUCT TO THIS ADDRESS. PLEASE CONTACT CUSTOMER SERVICE TO OBTAIN SHIPPING ADDRESSES FOR SERVICE.**