

**50BI23UHDS**

Digihome

**OPERATING INSTRUCTIONS**

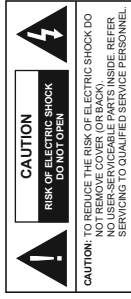
**COLOUR TELEVISION WITH REMOTE CONTROL**



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## Safety Information



In extreme weather (storms, lightning) and long inactivity periods (going on holiday), disconnect the TV set from the mains.

The mains plug is used to disconnect the TV set from the mains and therefore it must remain readily operable. If the TV set is not disconnected electrically from the mains, the device will still draw power for all situations even if the TV is in standby mode or switched off.

*Note: Follow the on screen instructions for operating the related features.*

**IMPORTANT - Please read these instructions fully before installing or operating**

**WARNING: This device is intended to be used by persons (including children) who are capable / experienced of operating such a device unsupervised, unless they have been given supervision or instruction concerning the use of the device by a person responsible for their safety.**

- Use this TV set at an altitude of less than 5000 metres above the sea level, in dry locations and in regions with moderate or tropical climates.

- The TV set is intended for household and similar indoor use but may also be used in public places.
- For ventilation purposes, leave at least 5cm of free space around the TV.

- The ventilation should not be impeded by covering or blocking the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.

- The power cord/plug should be easily accessible. Do not place the TV, furniture, etc. on the power cord. Do not use the TV if the power cord is damaged or if you experience an electric shock. Handle the power cord by the plug, do not unplug the TV by pulling the power cord. Never touch the power cord/plug with wet hands as this could cause a short circuit or electric shock. This could cause a knot in the power cord or tie it with other cords. When damaged it must be replaced, this should only be done by qualified personnel.

- Do not expose the TV to dripping or splashing of liquids and do not place objects filled with liquids, such as vases, cups, etc. on or over the TV (e.g. on shelves above the TV).

- Do not expose the TV to direct sunlight or do not place the TV in an area such as it can be on the top of or near the TV.

- Do not place any heat sources such as electric heaters, radiators, etc. near the TV set.
- Do not place the TV on the floor or inclined surfaces.

- To avoid danger of suffocation, keep plastic bags out of the reach of babies, children and domestic animals.

- Carefully attach the stand to the TV. If the stand is provided with screws, tighten the screws firmly to prevent the TV from tilting. Do not over-tighten the screws and mount the stand rubbers properly.

- Do not dispose of the batteries in fire or with hazardous or flammable materials.

### WARNING

- Batteries must not be exposed to excessive heat such as sunshine, fire or the like.

- Excessive sound pressure from earphones or headphones can cause hearing loss.

**ABOVE ALL - NEVER let anyone, especially children, push or hit the screen, push anything into holes, slots or any other openings in the TV.**

	Caution	Serious injury or death risk
	Risk of electric shock	Dangerous voltage risk
	Maintenance	Important maintenance component

### Mains Supply

The set should be operated only from a 220-240 V AC 50 Hz outlet. Make sure the TV or its stand are not placed on the power cord. DO NOT cut off the mains plug from this equipment, this incorporates a special Radio Interference Filter, the removal of which will impair its performance. In the UK, the fuse fitted in this plug is approved by ASTA or BSI to BS1362. It should only be replaced by a correctly rated and approved type. IF IN DOUBT PLEASE CONSULT A COMPETENT ELECTRICIAN.

### Markings on the Product

The following symbols are used on the product as a marker for explanations and precautions and safety instructions. Each explanation shall be considered where the product bears related marking only. Note such information for security reasons.

**Class II Equipment:** This appliance is designed in such a way that it does not require a safety connection to electrical earth.

**Hazardous Live Terminal:** The marked terminal(s) is/are hazardous live under normal operating conditions.

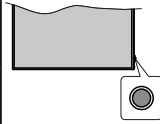
**Caution, See Operating Instructions:** The marked area(s) contain(s) user replaceable coin or button cell batteries.

**Class 1 Laser Product:** This product contains Class 1 laser source that is safe under reasonably foreseeable conditions of operation.



on. You can also choose to cancel the **Auto Power Down** function from this dialogue. Highlight **Disable** and press **OK**. The TV will return on the function menu. You can enable this function again by changing the setting of the **Auto Power Down** option from the **Settings>System>More menu**.

### TV Control Button & Operation



**Note:** The position of the control button may differ depending on the model.

Your TV has a single control button. This button allows you to control the Standby-On / Source / Programme and Volume functions of the TV.

#### Operating with the Control Button

- Pressing the control button to display the function options menu.
- Then press the button consecutively to move the focus to the desired option if needed.
- Press and hold the button for about 2 seconds to activate the selected option. The icon colour of the option changes when activated.
- Press the button once again to use the function or enter the sub menu.
- To select another function option, you will need to deactivate the last activated option first. Press and hold the button to deactivate it. The icon colour of the option changes when deactivated.
- To close the function options menu do not press the button for a period of about 5 seconds. The function options menu will disappear.

**To turn the TV off:** Press the control button to display the function options menu, the focus will be on the **Standby** option. Press and hold the button for about 2 seconds to activate this option. The icon colour of the option changes when activated. Then press the button once again to turn the TV off.

**To turn on the TV:** Press the control button, the TV will turn on.  
To change volume: Press the control button to display the function options menu and then press the button consecutively to move the focus to **Volume +** or **Volume -** option. Press and hold the button for about 2 seconds to activate the selected option. The icon colour of the option changes when activated. Then press the button to increase or decrease the volume.

**To change channel:** Press the control button to display the function options menu and then press the button consecutively to move the focus to **Programme +** or **Programme -** option. Press and hold the button for about 2 seconds to activate the selected option. The icon colour of the option changes when activated. Then press the button to switch to the next or previous channel in the channel list.

**To change source:** Press the control button to display the function options menu and then press the button consecutively to move the focus to **Source** option. Press and hold the button for about 2 seconds to activate this option. The icon colour of the option changes when activated. Then press the button once again to display the sources list. Scroll through the available sources by pressing the button. TV will automatically switch to the highlighted source.

**Note:** Main menu OSD cannot be displayed via the control button.

#### Operation with the Remote Control

Press the Home button on your remote control to display main menu. Use the directional buttons and **OK** button to navigate and set. Press **Back/Return**, **Exit** or **Home** button to quit a menu screen.

#### Input Selection

Once you have connected external systems to your TV, you can switch to different input sources. Press the **Source** button on your remote control consecutively to select the different sources.

#### Changing Channels and Volume

You can change the channel and adjust the volume by using the **Programme +**, and **Volume +/-** buttons on the remote.

#### Forced Standby

If your TV stops responding to commands, you can perform forced standby which will terminate the **Standby** on remote control to do this, press and hold the **Standby** button on remote control for about 5 seconds.

#### Using Main TV Menu

When the Home button is pressed, the main TV menu will appear on the screen. You can navigate through the menu items using the directional buttons on the remote. To select an item or see the sub-menu options of the highlighted menu, press **OK** button. When you highlight a menu option, some of the sub-menu items of this menu may appear on the upper side of the menu bar for quick access. To use a quick-access item highlight it, press **OK** and then use the **Left** or **Right** directional buttons. When finished press **OK** or **Back/Return** button to exit.

You can also see information on location, weather, time and date on the main TV menu screen. The green small icons indicate the current status for time, network and sync for apps. If these icons appears in green, it means

that the time information is successfully updated. Network is connected and sync is successfully completed. Otherwise the icons will appear in white. Press **Exit** button to close the main menu.

#### 1. Home

When main menu is opened Home menu bar will be highlighted. The content of the Home menu can be customised by adding options from other menus. Just highlight an option and press the Down directional button on the remote. If you see **Add to Home** option you can add it to the Home menu. To delete or change the position of any item in the Home menu, Select **Edit Home** from the TV menu. The **Edit menu** will be displayed. Select an item, press **OK** and select **Delete** or **Move** option and press **OK**. In order to move a menu item use the Right and Left directional buttons to select the position that you want the item to move to and press **OK**.

#### 2. Search

You can search for Channels, Guide, TV menus, Applications, Web, YouTube and Videos using this option. Press **OK** and enter a key word using the virtual keyboard. Then highlight **OK** and press **OK** to start the search. Results will be displayed on the screen. Highlight the desired result using the directional buttons and press **OK** to open.

#### 3. TV

##### 3.1. Freesview Play

Connects to the Freesview Play platform where you can access available catch-up TV services (only appears when the TV is connected to the internet).

##### 3.2. Guide

You can access the electronic programme guide menu using this option. Refer to **Electronic Programme Guide** section for more information.

##### 3.3. Channels

You can access the Channels menu using this option. Refer to **Using the Channel List** section for more information.

##### 3.4. Timers

You can set timers for future events using the options of this menu. You can also review the previously created timers under this menu.

To add a new timer select the **Add Timer** tab using the directional buttons and press **OK**. Set the menu options of this timer and when finished press **OK**. A new timer will be created.

To edit a previously created timer, highlight that timer, select the **Edit Selected Timer** tab and press **OK**. Change the sub-menu options as desired and press **OK** to save your settings.

To cancel an already set timer, highlight that timer, select **Delete Selected Timer** tab and press **OK**. A

confirmation message will be displayed. Highlight **Yes** and press **OK** to proceed. The timer will be cancelled. It will not be possible to set timers for two or more events that will broadcast at the same time interval. In this case you will be informed and the timer will be cancelled.

#### 3.5. Edit Home

You can customise the content of the Home menu using this option. Highlight and press **OK**. The Home menu will switch to edit mode. Refer to the Home section for details.

#### 3.6. More Apps

In order to manage the apps installed on your TV, you can use this option. Highlight and press **OK**. You can add an installed app to Home menu, launch or remove it. Highlight an app and press **OK** to see the available options.

#### 3.7. Market

You can add new apps from the application market using this option. Highlight and press **OK**. Available apps will be displayed. You can also access the application market from within the **More Apps** menu.

#### 3.8. Reset Apps

You can reset your customisations on the Home menu to defaults using this option (availability depends on TV model and its features). Highlight and press **OK**. A confirmation message will be displayed. Highlight **Yes** and press **OK** to proceed. Note that you will not be able to perform this operation again within the next few minutes.

#### 3.9. Accessibility

You can access the accessibility settings menu directly using this option.

#### 3.10. Privacy Settings

You can access the privacy settings menu directly using this option. This option may not be available depending on the model of your TV and the selected country during the first time installation process.

#### 4. Settings

You can manage the settings of your TV using the options of this menu. Refer to **Settings Menu Content** section for more information.

#### 5. Sources

You can manage your input source preferences using the options of this menu. To change the current source highlight one of the options and press **OK**.

#### 5.1. Source Settings

You can access the source settings menu directly using this option. Edit the names, enable or disable selected source options. There are also **Regular** and **Enhanced** options available for HDMI sources. **Regular** and **Enhanced** options are affecting the colour settings of the selected HDMI source.

### Inserting the Batteries into the Remote

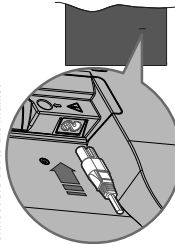
Remove the screw that secures the battery compartment cover on the back side of the remote control first. Insert two size AAA batteries. Make sure the (+) and (-) signs match (observe correct polarity). Do not mix old and new batteries. Replace only with same or similar batteries. Replace the cover back on. Then secure the cover again with the screw.

A message will be displayed on the screen when the batteries are low and need to be replaced. Note that when the batteries are low, the performance of the remote control may be impaired.

Batteries should not be exposed to excessive heat such as sunshine, fire or the like.

### Power Connection

**IMPORTANT:** The TV set is designed to operate on a 220-240VAC, 50 Hz supply. After unpacking, allow the TV set to reach the ambient room temperature before you connect the set to the mains.



Plug one end (the two-hole plug) of the supplied detachable power cord into the power cord inlet on the rear side of the TV as shown above. Then plug the other end of the power cord into the mains socket outlet.

**Note:** The position of the power cord inlet may differ depending on the model.

### Antenna Connection

Connect the aerial TV plug to the aerial input (ANT) socket located on the left side of the TV.

#### Left side of the TV



If you want to connect a device to the TV, make sure that both the TV and the device are turned off before making any connection. After the connection is done, you can turn on the units and use them.

### Licence Notification

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### Dolby Vision-Atmos

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[1] EIA/CEA-861-D compliance covers the transmission of uncompressed digital video with high-bandwidth digital content protection, which is being standardized for reception of high-definition video signals. Because this is an evolving technology, it is possible that some devices may not operate properly with the television.

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### Disposal Information

#### European Union

These symbols indicate that the electrical and electronic equipment and the battery with this symbol should not be disposed of as general household waste at its end-of-life. Instead, the products should be handed over to the applicable collection points for the recycling of electrical and electronic equipment as well as batteries for proper treatment, recovery and recycling in accordance with your national legislation and the Directive 2012/19/EU and 2013/56/EU.

By disposing of these products correctly, you will help to conserve natural resources and will help to prevent potential negative effects on the environment and human health, which could otherwise be caused by inappropriate waste handling of these products.

For more information about collection points and recycling of these products, please contact your local municipal office, your household waste disposal service or the shop where you purchased the product. Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

#### Business users

If you wish to dispose of this product, please contact your supplier and check the terms and conditions of the purchase contract.

#### Other Countries outside the European Union

These symbols are only valid in the European Union. Contact your local authority to learn about disposal and recycling.

The product and packaging should be taken to your local collection point for recycling.

Some collection points accept products free of charge.

**Note:** The sign Ph below this symbol for batteries indicates that this battery contains lead.



1. Products
2. Battery

## Wireless LAN Transmitter Specifications

Frequency Ranges	Max Output Power
2400 - 2483.5 MHz (CH1 - CH13)	< 100 mW
5150 - 5250 MHz (CH38 - CH48)	< 200 mW
5250 - 5350 MHz (CH62 - CH64)	< 200 mW
5470 - 5725 MHz (CH100 - CH140)	< 200 mW

### Country Restrictions

The Wireless LAN equipment is intended for home and office use in the UK and Northern Ireland (and other countries following the relevant EU and/or UK directive). The 5.15 - 5.35 GHz band is restricted to indoor operations only in the EU countries, in the UK and Northern Ireland.

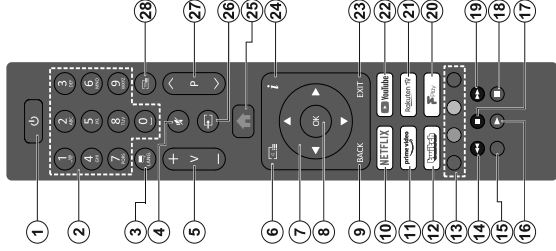
Country	Restriction
Bulgaria	General authorisation required for outdoor use and public service
Italy	Used outside of its own premises, general authorisation is required. Public use is subject to general authorisation by the respective service provider
Greece	In-door use only for 5470 MHz to 5725 MHz band
Luxembourg	General authorisation required for network and service supply (not for spectrum)
Norway	Radio transmission is prohibited for the geographical area within a radius of 20 km from the centre of Ny-Ålesund
Russian Federation	In-door use only
Israel	5 GHz band only for 5180 MHz-5320 MHz range

The requirements for any country may change at any time. It's recommended that user checks with local authorities for the current status of their national regulations for 5 GHz wireless LANs.

## Specification


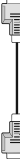
















Digital Reception	Fully integrated digital TV (DVB-T) (DVB-T2 compliant)
Number of Preset Channels	1000
Channel Indicator	On Screen Display
RF Aerial Input	75 Ohm (unbalanced)
Operating Voltage	220-240V AC, 50Hz.
Audio	DTS-HD DTS VirtualX Dolby Atmos
Audio Output Power (WRRMS.) (10% THD)	2 x 10
Power Consumption (W)	135W
Networked Standby Mode Power Consumption (W)	< 2
TV Dimensions DxDxH (with stand) (mm)	235 x 1130 x 703
TV Dimensions DxDxH (without stand) (mm)	57/82 x 1130 x 656
Display	50"
Operation temperature and operation humidity	0°C up to 40°C, 85% humidity max.

## Remote Control



- 1. Standby:** Switches On / Off the TV
- 2. Numeric buttons:** Switches the channel, enters a number or a letter in the text box on the screen.
- 3. Language:** Displays and changes audio/subtitle language and turns subtitles on or off (digital TV, where available)
- 4. Mute:** Completely turns off the volume of the TV
- 5. Volume +/-:**
- 6. Guide:** Displays the electronic programme guide
- 7. Directional buttons:** Helps navigate menus, content, etc. and displays the subpages in TXT mode when pressed Right or Left
- 8. OK:** Confirms user selections, holds the page (in TXT mode), views **Channels** menu (DTV mode)
- 9. Back/Return:** Returns to previous screen, previous menu, opens index page (in TXT mode). Quickly cycles between previous and current channels or sources
- 10. Netflix:** Launches the Netflix application
- 11. Prime Video:** Launches the Amazon Prime Video application
- 12. Twitch:** Launches the Twitch application
- 13. Coloured Buttons:** Follow the on-screen instructions for coloured button functions
- 14. Rewind:** Moves frames backwards in media such as movies
- 15.** No function
- 16. Play:** Starts to play selected media
- 17. Stop:** Stops the media being played
- 18. Pause:** Pauses the media being played
- 19. Fast Forward:** Moves frames forward in media such as movies
- 20. Freeview Play:** Connects to the Freeview Play platform where you can access available catch-up TV services
- 21. Rakuten TV:** Launches the Rakuten TV application
- 22. YouTube:** Launches the YouTube application
- 23. Exit:** Closes and exits from displayed menus or returns to previous screen
- 24. Info:** Displays information about on-screen content, shows hidden information (reveal - in TXT mode)
- 25. Home:** Displays TV menu
- 26. Source:** Shows available broadcast and content sources
- 27. Programme +/-:**
- 28. Text:** Displays teletext (where available), press again to superimpose the teletext over a normal broadcast picture (mix)

## Connections

Connector	Type	Cables	Device
	HDMI Connection (side/back)		
	SPDIF (Optical Out) Connection (back)		
	Headphone Connection (back)		
	USB Connection (side)		
	CI Connection (side)		
	Ethernet Connection (back)		

When using the wall mounting kit (available from a third party), we recommend that you plug all your cables into the back of the TV before mounting on the wall. Insert or remove the CI module only when the TV is SWITCHED OFF. For more information, refer to the instruction manual for details of the settings. Each USB input of your TV supports devices up to 500mA. Connecting devices that have current value above 500mA may cause damage to the connecting equipment. Using a HDMI cable to your TV, to guarantee sufficient immunity against parasitic frequency radiation and trouble-free transmission of high definition signals, such as 4K content, you should use a high grade HDMI (high grade) HDMI cable with ferrites.



If you want to connect a device to the TV, make sure that both the TV and the device are turned off before making any connection. After the connection is done, you can turn on the units and use them.

## Switching On/Off

### To Switch the TV On

Connect the power cord to a power source such as a wall socket (220-240V AC, 50 Hz).

To switch on the TV from standby mode either:

- Press the **Standby** button, **Programme +/-**, or a numeric button, **Guide** button, **Netflix** button or **Freeview Play** button on the remote control.
- Press the control button on the TV.

### To Switch the TV Off

- Press the **Standby** button on the remote control.
- Press the control button on the TV, the function options menu will be displayed. The focus will be on the **Standby** option. Press and hold the button for about 2 seconds to activate this option. The icon colour of the option will change. The icon colour of the option changes when activated. Then press the button once again to turn the TV off.

### To power cord from the mains socket, unplug the power cord from the TV completely.

**Note:** When the TV is switched into standby mode, the standby LED can blink to indicate that features such as Standby Mode Search, Over Air Download or Timer is active. The LED can also blink when you switch on the TV from standby mode.

## First Time Installation

When turned on for the first time, the language selection screen is displayed. Select the desired language and press **OK**. In the following steps of the installation guide, set your preferences using the directional buttons and **OK** button.

After the language selection, you will be asked whether you want to change accessibility settings. Highlight **Yes** and press **OK** to change. Refer to **System Menu Content** section for detailed information on available options.

Set your country preference on the next screen. Depending on the country selection you may be asked to set and confirm a PIN at this point. The selected PIN cannot be 0000. You have to enter it if you are asked to enter a PIN for any menu operation later.

You can activate **Store Mode** option in the next step. This option will configure your TV's settings for store use. After understanding the TV's settings for store use, the supplied features that may be displayed on the screen as an info banner. This option is intended only for store use. It is recommended to select **Home Mode** for home use. **Store mode** option will be available in **Settings>System>More** menu and can be turned off later. Make your selection and press **OK** to continue.

Depending on the model of your TV, the picture mode selection screen may appear at this point. In order for your TV to consume less energy and be more

environmentally friendly, select **Natural** and press **OK** to continue. If you select **Dynamic** or **OK**, a confirmation dialog will be displayed. Select **Yes**, and later using the **Mode** option in the **Settings>Picture** menu.

Depending on the model of your TV and the country selection **Privacy Settings** screen may appear at this point as well activating **Parental Control**. Using the **Parental Control** screen you can set your **Right Directional** and **OK** button to enable or disable. Read the related explanations displayed on the screen for each highlighted feature before making any changes. You can use **Programme +/-** buttons to scroll up and down to read the entire text. You will be able to change your preferences at any time later from the **Settings>System>Privacy** menu. If the **Internet Connection** option is disabled **Network/Internet Settings** screen will be skipped and not displayed. If you have any questions, complaints or comments regarding this privacy policy or its enforcement, please contact by email at [smarttvsecurity@vosshub.com](mailto:smarttvsecurity@vosshub.com).

Highlight **Next** and press **OK** button on the remote control to continue and the **Network/Internet Settings** screen will be displayed. Please refer to **Connectivity** section if you need information on configuring a wired or a wireless connection (availability depends on your model) and other available options. If you want your TV to consume less power in standby mode, you can disable the **Networked Standby Mode** option by setting it as **Off**. After the settings are completed highlight **Next** and press **OK** button to continue.

On the next screen you need to agree to the terms and conditions of Freeview Play to make use of the related services. Scroll the page to read the entire text using the up/down directional buttons or **Programme +/-** buttons. Highlight **Yes** and press **OK** to confirm and proceed. Highlight **No** and press **OK** to proceed without confirmation. For further requirements for Freeview Play services refer to the **Freeview Play Platform** section.

On next screen you can set broadcast types to be searched, set your encrypted channel searching and time zone (depending on the country selection) preferences. Additionally you can set a broadcast type as your favourite one. Priority will be given to the selected broadcast type during the search process and the channels of it will be listed on the top of the channel list. When finished, highlight **Next** and press **OK** to continue.

## About Selecting Broadcast Type

To turn a search option on for a broadcast type highlight it and press **OK**. Left or Right directional button. The checkbox next to the selected option will be checked. To turn the search option off clear the checkbox by



pressing **OK**, Left or Right, directional search option moving the focus on the desired broadcast-type option.

**Digital Aerial:** If **D**, **Aerial** broadcast search option is turned on, the TV will search for digital terrestrial broadcasts after other initial settings are completed.

After the initial settings are completed the TV will start to search for available broadcasts of the selected broadcast types.

While the search continues current scan results will be displayed at the bottom of the screen. You can press the **Home**, **Back** or **Exit** button to cancel the search. The channels that have already been found will be stored in the channel list.

After all the available stations are stored, **Channels** menu will be displayed. You can edit the channel list according to your preferences using the **Edit** button options or press the **Home** button to quit and watch TV.

While the search continues a dialogue may appear, asking whether you want to sort channels according to the LCN(\*). Select **Yes** and press **OK** to confirm. (\*LCN is the Logical/Channel/Number system that organises available broadcasts in accordance with a recognisable channel number sequence (if available).

**Note:** Do not turn off the TV while initialising, first time installation. Note that, some options may not be available depending on the country selection.

#### Media Playback via USB Input

You can connect 2.5" and 3.5" inch HDD with external power supply, external hard disk drives or USB memory stick to your TV by using the USB input(s) of the TV.

**IMPORTANT!** Back-up the files on your storage devices before connecting them to the TV. Manufacturer will not be responsible for any file damage or data loss. Certain types of USB devices (e.g. MP3 Players) or USB hard disk drives/memory sticks may not be compatible with this TV. The TV supports FAT132 and NTFS disk formatting.

Wait a little while before each plugging and unplugging as the player may still be reading files. Failure to do so may cause physical damage to the USB player and the USB device itself. Do not pull out your drive while playing a file.

You can use USB hubs with your TV's USB input(s). External power supplied USB hubs are recommended in such a case.

It is recommended to use the TV's USB input(s) directly. (You are going to connect a USB hard disk.

**Note:** When viewing media, files the Media Browser menu can only display a maximum of 1000 media files per folder.

#### Media Browser

You can play back music and movie files and display photo files stored on a USB storage device by connecting it to your TV. Connect a USB storage device to the USB input located on the side of the TV.

#### CEC

This function allows the user to control the CEC-enabled devices, that are connected through HDMI ports by using the remote control of the TV.

The CEC option in the **Settings>System>Device Settings** menu should be set as **Enabled** at first. Press the **Source** button and select the HDMI input of the connected CEC device from the **Sources List** menu. When in a new CEC source device is connected, it will be listed in **Sources** menu with its own name instead of the connected HDMI port's name (such as DVD Player, Recorder 1, etc.).

The TV remote is automatically able to perform the main functions after the connected HDMI source lists the TV via the remote control, press and hold the "0-Zero" button on the remote control for 3 seconds.

You can disable the CEC functionality by setting the related option under the **Settings>System>Device Settings** menu accordingly.

The TV supports ARC (Audio Return Channel). This feature is an audio link meant to replace other cables between the TV and an audio system (AV receiver or speaker system).

When ARC is active, the TV will mute its other audio outputs, except the headphone jack, automatically and volume control buttons are directed to the connected audio device. To activate ARC set the **Sound Output** option in the **Settings>Sound** menu as **HDMI ARC**.

**Note:** ARC is supported only via the HDMI2 input.

#### Enhanced Audio Return Channel (eARC)

Similar to ARC, the eARC feature enables the transfer of the digital audio data from your TV, connected audio device via the HDMI cable. eARC is an improved version of ARC. It has a much higher bandwidth than its predecessor. Bandwidth represents the range of frequencies or amount of data that is being transferred at a time. Higher bandwidth translates into a higher amount of data that can be transferred. Higher bandwidth also means that digital audio signal doesn't have to be compressed and is much more detailed, rich, and vibrant.

When eARC is enabled from the sound menu, TV will tries to establish a link. If eARC is supported by the connected device, the "eARC" indicator can be observed on the connected device's OSD. If an eARC link cannot be established (for example, the connected device is not supporting eARC but supporting ARC only) or if eARC is disabled from the sound menu, then TV initiates eARC.

For eARC to function properly:

- The connected audio device should also support eARC.
- Some HDMI cables do not have enough bandwidth to carry high-bit-rate audio channels, use an HDMI cable with eARC support (HDMI High Speed Cables with eARC support).

Ethernet and the new Ultra High Speed HDMI Cable - check hdmi.org for latest info).

- Set the **Sound Output** option in the **Settings>Sound** menu as **HDMI ARC** and the **Sound Output** menu will be enabled. Check to see if it set to **On**. If not, set it to **On**.

**Note:** eARC is supported only via the HDMI2 input.

#### System Audio Control

Allows an Audio Amplifier/Receiver to be used with the TV. The volume can be controlled using the remote control of the TV. To activate this feature set the **Sound Output** option in the **Settings>Sound** menu as **HDMI ARC** and the **Sound Output** menu will be enabled. Check to see if it set to **On**. If not, set it to **On**.

**Note:** The audio device should support System Audio Control feature.

#### Game Mode

You can set your TV to achieve lowest latency for your game. Go to **Settings>Picture>Game Mode** option. **Game** mode option will be available when the TV's input source is set to HDMI. When set the picture will be optimised for low latency.

#### Auto Low Latency Mode

You can also enable the **ALLM** (Auto Low Latency Mode) option in the **Settings>System>Device Settings** menu. If this function is enabled, the TV automatically switches the picture mode to **Game** when ALLM mode signal is received from the current HDMI source. TV switches back to previous picture mode setting when the ALLM signal is lost. So you won't need to change the settings manually.

If the **ALLM** option is enabled, picture mode can not be changed as long as ALLM signal is received from the current HDMI source.

In order for the ALLM feature to be functional the related HDMI source setting should be set to **Enhanced**. You can change this setting from the **Sources>Source Settings** menu or from the **Settings>System>Source Settings** menu.

#### E-Manual

You can find instructions for your TV's features in the E-Manual.

To access the E-Manual, enter **Settings** menu, select **Manuals** and then **Info** button.

By using the directional buttons, select a desired **OK**. E-Manual screen press the **Exit** or **Home** button.

**Note:** Depending on model, your TV may not support this feature. The content of the E-Manual may vary according to the model.

## Settings Menu Content

<b>Picture Menu Content</b>	You can change the picture mode to suit your preference or requirements. Picture mode can be set to one of these options: <b>Cinema</b> , <b>Game</b> , <b>Sports</b> , <b>Dynamic</b> and <b>Natural</b> . <i>Note: Available options may differ, depending on the input source.</i>
<b>Mode</b>	<b>Dolby Vision Modes:</b> If Dolby Vision content is detected, <b>Dolby Vision Dark</b> and <b>Dolby Vision Bright</b> picture mode options will be available instead of <b>Cinema</b> and <b>Natural</b> modes.
<b>Contrast</b>	Adjusts the light and dark values on the screen.
<b>Brightness</b>	Adjusts the brightness values on the screen.
<b>Sharpness</b>	Sets the sharpness value for the objects displayed on the screen.
<b>Colour</b>	Sets the colour value, adjusting the colours.
<b>Energy Saving</b>	For setting the <b>Energy Saving</b> to <b>Custom</b> , <b>Minimum</b> , <b>Medium</b> , <b>Maximum</b> , <b>Auto</b> , <b>Screen Off</b> or <b>Off</b> . <i>Note: Available options may differ, depending on the selected Mode.</i>
<b>Backlight</b>	This setting controls the backlight level. This option will be available (located under the Energy Saving settings) if the <b>Energy Saving</b> is set to <b>Custom</b> . Highlight and use Left/Right directional buttons to set.
<b>Picture Zoom</b>	Sets the desired image size format.
<b>Picture Shift</b>	This option may be available (located under the Picture Zoom setting) depending on the Picture Zoom setting. Highlight and press OK, then use directional buttons to shift the picture upwards or downwards.
<b>Advanced Settings</b>	
<b>Dynamic Contrast</b>	You can change the dynamic contrast ratio to desired value.
<b>Colour Temp</b>	Sets the desired colour temperature value. <b>Cool</b> , <b>Normal</b> , <b>Warm</b> and <b>Custom</b> options are available.
<b>White Point</b>	If the <b>Colour Temp</b> option is set as <b>Custom</b> , this setting will be available (located under the Colour Temp setting). Increase the 'warmth' or 'coolness' of the picture by pressing Left or Right buttons.
<b>Blue Stretch</b>	White colour enhancement function that makes white colour more cooler in order to make more bright picture. Set as <b>On</b> to enable.
<b>Micro Dimming</b>	<b>Low</b> , <b>Medium</b> , <b>High</b> and <b>Off</b> options are available. While <b>Micro Dimming</b> is active, it will enhance contrast locally for each defined zone.
<b>Noise Reduction</b>	<b>Low</b> , <b>Medium</b> , <b>High</b> and <b>Off</b> options are available. If the signal is weak and the picture is noisy, use the <b>Noise Reduction</b> setting to reduce the amount of noise.
<b>Film Mode</b>	Films are recorded at a different number of frames per second to normal television program modes. In this feature to Auto when you are watching films to see the last motion scenes clearly.
<b>Skin Tone</b>	Skin tone can be changed between -5 and 5.
<b>Colour Shift</b>	Adjust the desired colour tone.
<b>Colour Tuner</b>	Opens colour tuner settings. Set the <b>Colour Tuner</b> as <b>Enabled</b> to adjust the <b>Hue</b> , <b>Colour</b> and <b>Brightness</b> values manually.

<b>Gameut Mapping</b>	You can use this option to set the range of colours displayed on your TV screen. When set as <b>On</b> , colours are set according to the source signal. When set as <b>Off</b> , the TV's maximum colour capacity is used by default (recommended option). <i>Note: This option may not be available, depending on the TV model and its features.</i>
<b>Gamma</b>	You can use this option to set your gamma preference. Press Left/Right directional buttons to set to <b>Normal</b> , <b>Bright</b> or <b>Dark</b> . <i>Note: This option may not be available, depending on the TV model and its features and you may not be able to change this setting depending on the current content.</i>
<b>HDMI Full Range</b>	While watching from a HDMI source, this feature will be visible. You can use this feature to enhance blackness in the picture.
<b>Reset</b>	Resets the picture settings to factory default settings (except <b>Game mode</b> ).

## Sound Menu Content

<b>Dolby Atmos</b>	Your TV supports Dolby Atmos technology. By means of this technology, the sound moves through the space around you, so that you can experience a virtualisation of surround sound. The Dolby Atmos mode is available in <b>Auto</b> , <b>On</b> and <b>Off</b> options will be available. If set as <b>Auto</b> , the TV will switch between <b>On</b> and <b>Off</b> modes automatically depending on the input audio bitstream information. If the input audio bitstream is Atmos this feature will work as if it is set as <b>On</b> . Set as <b>Off</b> to disable.
<b>Mode</b>	<b>Smart</b> , <b>Movie</b> , <b>Music</b> , <b>News</b> and <b>Off</b> options will be available. Set as <b>Off</b> to disable. <i>Note: Some items may be greyed out, depending on the current settings. Settings of some other options may also change, depending on the current settings.</i>
<b>DTS VirtualX</b>	This feature will enhance your sound experience by providing a virtualisation of surround sound. The DTS VirtualX mode is available. There will be no sound output except through the modes <b>Music</b> , <b>Sports</b> , <b>Cinema</b> and <b>Off</b> options will be available. Set as <b>Off</b> to disable. <i>Note: Some items may be greyed out, depending on the current settings. Settings of some other options may also change, depending on the current settings.</i>
<b>Sound Output</b>	Sets the sound output preference. <b>TV</b> , <b>S/PDIF</b> , <b>HDMI ARC</b> , <b>Headphones Only</b> and <b>Lineout</b> options will be available. There will be no sound output except through the selected option and the headphone jack. Note that, if this option is set as <b>Headphone Only</b> , TV speakers will be muted when headphone set is plugged in. When you connect an external amplifier to your TV using the headphone jack, you can select this option as <b>Lineout</b> . If you have connected headphones to the TV, set this option as <b>Headphone Only</b> . Please ensure before using headphones that the TV set menu item is set to <b>Headphone Only</b> . If it is set to <b>Lineout</b> , the output from the headphone socket will be set to maximum which could damage your hearing. If <b>HDMI ARC</b> option is selected, <b>CEC</b> feature will be enabled. <i>Note: Depending on the selected option some items in Sound menu will appear as greyed out and will be unavailable.</i>
<b>AVL (Automatic Volume Limiting)</b>	Sets the sound to obtain fixed output level between programmes. If the <b>Mode</b> menu item is set to an option other than <b>Off</b> , the <b>AVL</b> setting options will be available. There will be no sound output except through the selected option. The TV will switch to <b>Normal</b> or <b>Night</b> mode automatically according to the input line. When the TV switches to <b>Night</b> mode for the first time after setting this option as <b>Auto</b> , an information bar will pop up on the screen.
<b>eARC</b>	Please note that, compared to <b>Normal</b> mode <b>Night</b> mode, provides more aggressive dynamic compression control which is suitable for silent environments. When the <b>Sound Output</b> option is set to <b>HDMI ARC</b> , the <b>eARC</b> menu option will be available. Otherwise, it will be greyed out. This option will be set to <b>On</b> by default. Set to <b>Off</b> to disable. Refer to <b>CEC</b> section for more information.

<b>Advanced Settings</b>	
<b>Equalizer</b>	Selects the equalizer mode. Custom settings can be made only when in <b>User</b> mode.
<b>Dynamic Bass</b>	Enables or disables the Dynamic Bass.
<b>DTS DRC</b>	Dynamic Range Control provides gain adjustment of the source to maintain suitable audible range at both low and high play/back levels. It will function only if the source audio format is DTS. Enable or disable the <b>DTS DRC</b> by setting as <b>On</b> or <b>Off</b> .
<b>Sound Mode</b>	You can select a sound mode (if the viewed channel supports).
<b>Digital Out</b>	Sets digital out audio type.
<b>Headphone</b>	Sets headphone volume. Please ensure before using headphones that the headphone volume is set to a low level, to prevent damage to your hearing.
<b>Balance</b>	Sets sound balance. This feature will be activated if <b>Sound Output</b> option is set as <b>TV</b> or <b>Headphone Only</b> . Balance item adjusts the balance level of the TV speakers and headphones together.
<b>Reset</b>	Resets some of the sound settings to factory defaults.

<b>Network Menu Content</b>	
<b>Network Type</b>	Disable the network connection or change the connection type.
<b>Scan Wireless Networks</b>	Start a search for wireless networks. This option will be available if the <b>Network Type</b> is set as <b>Wireless Device</b> .
<b>Disconnect</b>	To disconnect from a wireless network and delete your saved wireless network profile (if previously saved), highlight this option and press <b>OK</b> . This option will not be available if you did not connect to a wireless network. Refer to <b>Connectivity</b> section for more information.
<b>Press WPS on your wifi router</b>	If your modem/router device has WPS, you can directly connect to it using this option. Highlight this option and press <b>OK</b> . Go to your modem/router device and press the WPS button on it to make the connection. This option will be available if the <b>Network Type</b> is set as <b>Wireless Device</b> .
<b>Internet Speed Test</b>	Start a speed test to check your connection bandwidth. The result will be displayed on the screen when finished.
<b>Advanced Settings</b>	Change the IP and DNS configurations of your TV.
<b>Networked Standby Mode</b>	Enable or disable this feature by setting it as <b>On</b> or <b>Off</b> .
	<i>Note: For detailed information on the options of this menu, refer to the <b>CONNECTIVITY</b> section.</i>

<b>Installation Menu Content</b>	
<b>Automatic channel scan (Retune)</b>	Displays automatic tuning options. <b>D. Aerial</b> : Searches and stores aerial DVB stations.
<b>Manual channel scan</b>	This feature can be used for direct broadcast entry.
<b>Network channel scan</b>	Searches for the linked channels in the broadcast system. <b>D. Aerial</b> : Searches for aerial network channels.
<b>Signal Information</b>	You can use this menu item to monitor signal related information such as signal level/quality, network name, etc. for available frequencies.
<b>First time installation</b>	Deletes all stored channels and settings, resets TV to factory settings.

System Menu Content	Details
<b>Accessibility</b>	Displays accessibility options of the TV. Some options will not be available if no channels are installed.
<b>High Contrast</b>	Increase the contrast of the menu options and texts to make them easier to read. <b>White-Black, Black, Yellow-Black</b> and <b>Off</b> options will be available.
<b>Hard of Hearing</b>	Enables any special feature sent from the broadcaster.
<b>Audio Description</b>	A narration track will be played for the blind or visually impaired audience. Press <b>OK</b> to see all available <b>Audio Description</b> menu options. This feature is available only if the broadcaster supports it. <i>Note: Audio description sound feature is not available in recording or time shifting mode (availability depends on the model of your TV and its features).</i>
<b>Dialogue Enhancement</b>	This feature provides sound postprocessing options for speech-gated dialogue enhancement. <b>Off, Low, Medium</b> and <b>High</b> options will be available. Set according to your preference. <i>Note: This feature has an effect only if input audio format is AC4 and the effect only applies to TV loudspeaker output.</i>
<b>Spoken Subtitles</b>	Default preference of spoken subtitles is selected with this setting option. To make spoken subtitles priority higher than normal ones, this option should be set to <b>On</b> . This option may not be available depending on the model of your TV.
<b>Magnification</b>	Enables the use of button combinations to magnify the screen. <b>On</b> and <b>Off</b> options will be available. Set <b>On</b> to enable Magnification support will be enabled or disabled with long press in the numeric keypad. Magnification will be activated when the screen buttons 2, 4, 6, 8 will move the zoomed area to up, left, right and down.
<b>Minimap</b>	Minimap is enabled and deactivated by default. It will be activated when <b>Magnification</b> feature is enabled. With this option, you can prevent magnification feature from displaying the minimap.
<b>Click Sound</b>	This option enables the key click sound on TV menu. Set to <b>On</b> to enable.
<b>Highlight programmes with</b>	
<b>[S] Subtitle</b>	If this option is enabled and if any electronic programme guide event has "Subtitle" access service, these events will be highlighted with another colour.
<b>[SL] Sign Language</b>	If this option is enabled and if any electronic programme guide event has "Sign Language" access service, these events will be highlighted with another colour.
<b>[AD] Audio Description</b>	If this option is enabled and, if any electronic programme guide event has "Audio Description" access service, these events will be highlighted with another colour.
<b>Language</b>	You may set a different language depending on the broadcaster and the country.
<b>Conditional Access</b>	Controls conditional access modules when available.
<b>Privacy</b>	
<b>Privacy Settings</b>	Manage your privacy privileges for smart TV related applications. Press <b>OK</b> to enter the menu and set according to your preferences.
<b>Show All Cookies</b>	Displays all saved cookies.
<b>Delete All Cookies</b>	Deletes all saved cookies.
<b>Do Not Track</b>	You can set your preference regarding the tracking behaviour for HbbTV services using this option.
<b>Parental</b>	Enter correct PIN to change parental settings. You can easily adjust <b>Menu Lock, Maturity Lock, Child Lock, Internet Lock</b> and <b>Guidance</b> in this menu. You can also set a new PIN or change the <b>Default CIAM PIN</b> using the related options. <i>Note: Some menu options may not be available depending on the country selection in the First Time Installation menu. Some menu options may not be available depending on the country selection (depending on the country selection) during the First Time Installation use the PIN that you have defined.</i>

Date/Time	Details
<b>Sources</b>	Set date and time.  Edit the names, enable or disable selected source options. There are also <b>Regular</b> and <b>Enhanced</b> options available for HDMI sources. These options are affecting the colour settings of the selected HDMI source. To be able to watch 4K or HDR/HLG images from an HDMI source related source setting should be set as <b>Enhanced</b> if the connected device is compatible with HDMI 2.0 and subsequent versions. Set as <b>Regular</b> if the connected device is HDMI 1.4 compatible. Set accordingly or disable the related HDMI source by setting as <b>Disabled</b> .
<b>Netflix</b>	If this feature is supported by your TV, you can view your ESN(*) number and deactivate Netflix. (*ESN number is a unique ID number for Netflix, created especially to identify your TV. <i>Note: For 4K video streaming, a minimum 25Mbps internet connection speed is required – For an example of the requirements for streaming 4K content you may find more information on the Netflix website. For more information on how to check your internet connection speed, visit the Netflix website. The internet quality of your connection will be a slow connection and the full HD or 4K quality may take a short time to be realised, or in the event of a slow connection not be possible. You should check your internet capabilities with your internet provider if you are at all unsure.</i>
<b>Samba ACR</b>	Samba Interactive TV powers recommendations and other apps by gathering data regarding consumption of specific on-screen content to enhance your viewing experience. Using this option you can access Samba Interactive TV settings menu, review Samba TVs, Terms of Service, Privacy Policy and manage your advertising preferences, etc. Internet connection will be required in order to access HTML based settings. You can enable or disable interactive TV at any time from the <b>Settings&gt;System-Privacy&gt;Privacy</b> option. This option may not be available depending on the selected country during the First Time Installation process, the model of your TV and its features.
<b>Device Settings</b>	
<b>CEC</b>	With this setting you can enable and disable CEC functionality completely. Press <b>Left</b> or <b>Right</b> button to enable or disable the feature.
<b>CEC Auto Power On</b>	This function allows the connected HDMI-CEC compatible device to turn on the TV and switch to its input source automatically. Press <b>Left</b> or <b>Right</b> button to enable or disable the feature.
<b>Input Device</b>	Press <b>OK</b> to open the Input Device menu screen. Using this screen you can discover and connect keyboards and mice to your TV wirelessly. Refer to <b>Connecting Other Wireless Devices</b> section for further information. <i>Note: Your TV may not be compatible with all keyboard and mouse models in the market. For more information contact your local dealer or retail outlet where you bought your TV.</i>
<b>ALLM</b>	ALLM (Auto Low Latency Mode) function allows the TV to activate or deactivate low latency settings depending on playback content. If this option is enabled the picture mode will be set to <b>Game</b> automatically when ALLM mode signal is received from the current HDMI source. Refer to <b>Game Mode</b> section for more information.
<b>No Signal Timer</b>	If your TV does not receive any input signal (e.g. from an aerial or HDMI source) for 3 minutes, it will go into standby mode. You can enable or disable this functionality by setting this option accordingly.

<b>Voice Assistant</b>	
<b>Works With Alexa</b>	Sets the setup process for this feature manually. If the setup is priority completed <b>Change Friendly Name</b> and <b>Sign Out</b> options will be available. Refer to <b>Alexa Ready</b> section for more information.
<b>Change Friendly Name</b>	You can define a new name for your TV using this option.
<b>Sign Out</b>	You can use this option to sign out. If you sign out <b>Works With Alexa</b> feature will be disabled.
<b>More</b>	Displays other setting options of the TV.
<b>Menu Timeout</b>	Changes timeout duration for menu screens.
<b>Standby Mode LED</b>	If set as <b>Off</b> the standby mode LED will not light up when the TV is in standby mode.
<b>HBBTV</b>	You can enable or disable this feature by setting it as <b>On</b> or <b>Off</b> . Refer to <b>HbbTV System</b> section for further information.
<b>Device Identification</b>	When this option is enabled it causes a 'Device ID' to be generated internally for each Web origin visited. When disabled all the current Device IDs are cleared for each Web origin that was visited. You can enable or disable this feature by setting it as <b>On</b> or <b>Off</b> . This feature is available if channels are installed and the country option is set as Norway during the first time installation.
<b>Software upgrade</b>	Ensures that your TV has the latest software. Press <b>OK</b> to see the menu options.
<b>Application Version</b>	Displays current software version.
<b>Subtitle Mode</b>	This option is used to select which subtitle mode will be on the screen ( <b>DVB</b> subtitle / <b>Teletext</b> subtitle) if both are available. Default value is <b>DVB</b> subtitle. This feature is available if channels are installed and the country option is set as Norway during the first time installation.
<b>Auto Power Down</b>	Sets the desired time for the TV to automatically go into standby mode when not being operated. This option can be set from 1 to 8 hours in steps of 1 hour. You can also disable this option by setting as <b>Off</b> .
<b>Store Mode</b>	Selects this mode for store display purposes. Whilst <b>Store Mode</b> is enabled, some items in the TV menu may not be available.
<b>Audio Video Sharing</b>	This feature allows you to share files stored on your smartphone or tablet pc: if you have a compatible smartphone or tablet pc and the appropriate software is installed, you can share photos, music and videos on your TV. See instructions of your sharing software for more information.
<b>Power Up Mode</b>	This setting configures the power up mode preference. <b>Last State</b> and <b>Standby Mode</b> options are available.
<b>Virtual Remote OSS</b>	Enable or disable the virtual remote feature.
<b>Application Priority</b>	Displays Open Source Software licence information.
<b>Dolby Notification</b>	You can set your preference regarding the priority between the broadcast applications and CICAM App/Mini applications using this option. In case a CICAM is inserted into the TV and a contention occurs between the applications the priority will be given to the selected type of application.
	Sets the notification appearance preference for Dolby content. When set as <b>On</b> , Dolby logo will be displayed on the screen when Dolby content is detected.

Note: Some options may not be available depending on the mode of your TV, its features and the selected country in the First Time Installation.

## General TV Operation

### Using the Channel List

The TV sorts all stored stations in the channel list. You can edit this channel list, set favourites or set active stations by using the **Channels** menu options. Press the **OK** button to open the channel list. You can filter the listed channels and make changes in the current list using the **Filter** and **Edit** tab options. Highlight the tab you want and press **OK** to see available options.

In order to add the channel you are currently watching to the **Home** menu, highlight the **Add to Home** option in the **Edit** tab in the **Channels** menu and press **OK**.

### Managing the Favourite Lists

You can create four different lists of your favourite channels. Enter the **TV-Channels** menu or press the **OK** button in order to open the **Channels** menu. Highlight the **Edit** tab and press **OK** to see the editing options and select the **Tag/Untag channel** option. Select the desired channel on the list by pressing the **OK** button while the channel is highlighted. You can make multiple choices. You can also use the **Tag/Untag** all option to select all channels on the list. Then press **Back/Return** button to return to the **Edit** menu options. Select **Add/Remove Favourites** option and press the **OK** button again. Favourite channel list options will be displayed. Set the desired list option to **On**. The selected channels will be added to the list. In order to remove a channel or channels from a favourite list follow the same steps and set the desired list option to **Off**.

You can use the filtering function in the **Channels** menu to filter the channels in the channel list permanently according to your preferences. For instance, using the options of the **Filter** tab, you can set one of your four favourite lists to be displayed every time the channel list is opened. The selected filtering option will be shown on the top of the **Channels** menu screen.

### Configuring Parental Settings

The **Parental** menu options can be used to prohibit users from viewing of certain programmes, channels and usage of menus. These settings are located in the **Settings->System->Parental** menu.

To display parental lock menu options, a PIN should be entered. After coding the correct PIN, parental setting options will be displayed.

**Menu Lock:** This setting enables or disables access to all menus or installation menus of the TV.

**Guidance:** This setting enables or disables access to some of the MHEG applications. Disabled applications can be released by entering the right PIN.

**Maturity Lock:** If this option is set, the TV gets the maturity information from the broadcast and if this

maturity level is disabled, prohibits access to the broadcast.

Note: If the country option in the **First Time Installation** is set to **France** or **Austria**, **Maturity Lock's** value will be set to **18** as default.

**Child Lock:** If this option is set to **On**, the TV can only be controlled by the remote control. In this case the control button on the TV will not work.

**Internet Lock:** If this option is set to **On**, the internet using applications will be disabled. Set to **Off** to release these applications again.

**Set PIN:** Defines a new PIN number.

**Default CICAM PIN:** This option will appear as greyed out if no CI module is inserted into the CI slot of the TV. You can change the default PIN of the CI CAM using this option.

Note: Default PIN could have been set to **0000** or **1234**. If you have defined the PIN is requested depending on the country selection) during the **First Time Installation** Use the PIN that you have defined.

Some options may not be available depending on the model and/or on the country selection in the **First Time Installation**.

### Electronic Programme Guide

By means of the electronic programme guide function of your TV, you can browse the event schedule of the currently installed channels on your channel list. It depends on the related broadcast whether this feature is supported or not.

To access the programme guide, press the **Guide** button on your remote. You can also use the **Guide** option under **TV** menu.

There are 2 different types of schedule layouts available, **Timeline Schedule** and **Now/Next**. To switch between these layouts highlight the tab with the name of the alternative layout on the upper side of the screen and press **OK**.

Use the directional buttons to navigate through the programme guide. Use the **Back/Return** button to use the tab options on the upper side of the screen.

### Timeline Schedule

In this layout option, all events of the listed channels will be displayed by timeline. You can use the directional buttons to scroll through the list of the events. Highlight an event and press **OK** to display event options menu.

Press **Back/Return** button to use available tab options. Highlight **Filter** tab and press **OK** to see the filtering options. To change the layout highlight **Now/Next** and press **OK**. You can use the **Previous Day** and **Next Day** options to display the events of the previous and next day.

Highlight **Extras** tab and press **OK** to access below options.

**Highlight Genre:** Displays **Highlight Genre** menu. Select a genre and press **OK**. The events in the

programme guide matching the selected genre will be highlighted.

**Guide Search:** Displays searching options. Using these options, you can search the programme guide database in accordance with the selected criteria. Matching results will be listed.

**Now:** Displays current event that is highlighted on the screen.

**Zoom:** Highlight and press **OK** to see events in a wider time interval.

**Now/Next Schedule**

In this layout option, only the current and next events of the listed channels will be displayed. You can use the directional buttons to scroll through the list of the events.

Press **Back/Return** button to use available tab options. Highlight **Filter** tab and press **OK** to see the filtering options. To change the layout, highlight **Timeline Schedule** and press **OK**.

**Event Options**

Use the directional buttons to highlight an event and press **OK** button to display **Options** menu. The following options are available.

**Select Channel:** Using this option, you can switch to the selected channel in order to watch it. The programme guide will be closed.

**More Info:** Display detailed information on the selected event. Use up and down directional buttons to scroll through the text.

**Sat Timer on Event/Delete Timer on Event:** Select **Sat Timer on Event** option and press **OK**. You can set timers for future events. The event will be added to timers list. To cancel an already set timer, highlight that event and press the **OK** button. Then select **Delete Timer on Event** option. The timer will be cancelled.

**Do not activate timer on the current channel while there is an active timer on the current channel.**

It is not possible to set timer for two or more individual events at the same time interval.

**Integrated Catch-Up Services**

You can enjoy Freeview Play catch-up TV services that work directly through the electronic programme guide. Whilst you are on a channel use the directional buttons to scroll back in time through the timeline-based guide. You will see content from last few days. Available catch-up content may change according to broadcasters and will be marked with a play icon. Highlight the content you want to play back and press the **OK** button.

Make sure that your TV is connected to your home network in order to use the catch-up services. For further information regarding this matter and other requirements for Freeview Play services refer to the **Connectivity and Freeview Play Platform** sections.

### Teletext Services (where available)

Press the **Text** button to enter. Press again to activate mix mode, which allows you to see the teletext page and the TV broadcast at the same time. Press once more to exit. If available, sections in the teletext pages will become colour-coded and can be selected by pressing the coloured buttons. Follow the instructions displayed on the screen.

**Digital Teletext**

Press the **Text** button to view digital teletext information. Operate it with the coloured buttons, directional buttons and the **OK** button. The operation method may differ depending on the content of the digital teletext. Follow the instructions displayed on the digital teletext screen. When the **Text** button is pressed again, the TV returns to television broadcast.

**MHEG Teletext**

With digital terrestrial broadcasting (DVB-T), in addition to pictures and sound, you can also view digital teletext. Digital teletext is sometimes broadcast at the same time with the normal broadcasting.

- Press the **Text** or **Red** button
- Operate it with the coloured buttons, directional buttons and **OK** button

The operation method may differ depending on the content of the digital teletext. Follow the instructions displayed on the digital teletext screen. Press the **Text** button to return to television broadcast.

**BBC Red Button+ (RB+)**

While watching BBC channels, press the **Red** button or **Text** button to access **Red Button+** services provided by the BBC. On the opening page you can access BBC's main services such as BBC iPlayer, BBC News, BBC Sport and many others. There are also links to the home pages of the related applications available. Use the navigation buttons on the TV's remote control to move through the application. Press **Exit** button to close and exit.

**Software Upgrade**

Your TV is capable of finding and updating the software automatically via the broadcast signal or via the internet.

**Software upgrade search via user interface**

On the main menu select **Settings>System** and then **More**. Navigate to **Software upgrade** and press the **OK** button. Then select **Scan for upgrade** and press **OK** button to check for a new software upgrade. If a new upgrade is found, it starts to download the upgrade. After the download is completed, a warning will be displayed, press **OK** button to complete software upgrade process and restart TV.

### 3 AMI search and upgrade mode

Your TV will search for new upgrades at 3:00 o'clock if **Automatic scanning** option is set to **Enabled** and if the TV is connected to an aerial signal or to the internet. If a new software is found and downloaded successfully, it will be installed at the next power on. **Note:** Do not unplug the power cord while led is blinking during the reboot process. If the TV fails to come on after the upgrade, wait for two minutes then plug it back in.

All updates are automatically controlled. If a manual search is required, go to **Settings>System>AMI search** and turn it on and out and no software is found then this is the current version.

**Troubleshooting & Tips**

**TV will not turn on**

Make sure the power cord is plugged in securely to a wall outlet. Press the control button on the TV or the **Standby** button on the remote.

**Power picture**

- Check if you have correctly tuned the TV.
- Low signal level can cause picture distortion. Please check antenna connections.
- Check if you have entered the correct channel frequency if you have performed manual tuning.

**No picture**

- TV is not receiving any signal. Make sure the correct source has been selected.
- Is the antenna connected properly?
- Is the antenna cable damaged?
- Are suitable plugs used to connect the antenna?
- If you are in doubt, consult your dealer.

**No sound**

- Check if the TV sound is muted. Press the **Mute** button or increase the volume to check.
- Sound is coming from only one speaker. Check the balance settings from the **Sound** menu.
- Check **Sound Output** option is set correctly from **Sound** menu.

**Remote control - no operation**

- The batteries may be exhausted. Replace the batteries.
- The batteries maybe inserted incorrectly. Refer to the section "Inserting the Batteries into the Remote".

**No signal on an input source**

- It is possible that no device is connected.
- Check the AV cables and connections from your device.
- Check the device is switched on.

HDMI Source	Supported Signals	Available
	480i	○
	480p	○
	576i, 576p	○
	720p	○
	50Hz, 60Hz	○
	50Hz, 60Hz	○
HDMI	24Hz, 25Hz, 30Hz, 50Hz, 60Hz	○
	3840x2160p	○
	24Hz, 25Hz, 30Hz, 50Hz, 60Hz	○
	4096x2160p	○
	24Hz, 25Hz, 30Hz, 50Hz, 60Hz	○
	4096x2160p	○

(X: Not Available, O: Available)

In some cases a signal on the TV may not be displayed properly. The problem may be an inconsistency with standards from the source equipment (DVD, Set-top box, etc.). If you do experience such a problem please contact your dealer and also the manufacturer of the source equipment.

## Supported File Formats for USB Mode

### Video File Formats

File Extension	Format	Audio
.mpeg/mpeg1/.dat/ .vob	Video Codec MPEG1/2, H.264, VC1	Audio MPEG Layer 1/2/3, AC3
.ts/.tp/.m2ts	MPEG1/2, H.264, VC1, HEVC/H.265	MPEG Layer 1/2/3, AC3, E-AC3
.avi	MPEG1/2, MPEG4, H.264, H.263	MPEG Layer 1/2/3, AC3, AAC, WMA
.m4v/m4u/m4v/ .mov/dt3ipr/3g2/ .3gp	MPEG1/2, H.263, MPEG4, H.264, HEVC/H.265, AV1	MPEG Layer 1/2/3, AAC LC, AC3
.mkv	MPEG 1/2, MPEG4, H.264, HEVC/H.265, AV1	MPEG Layer 1/2/3, AAC, AC3
.flv	Sorenson Spark, MPEG4, H.264	MPEG Layer 3, ADPCM, AAC LC
.asf/.wmv	MPEG4, WMV3, VC1	WMA, AMRN-B
.webm	VP9, VP8, AV1	OPUS, Vorbis

### Picture File Formats

File Extension	Format
.jpg/jpeg	JPEG, PJPEG
.bmp	BMP
.gif	GIF
.png	PNG

### Audio File Formats

File Extension	Format	Audio
.mp3	Video Codec	Audio mp3
.ac3		ac3
.aac		AAC
.wma		WMA
.wav		MPEG Layer 1/2/3, AAC, AC3
.flac		FLAC
.m4a	M4A	AAC

### Subtitle File Formats

Extension	Specification
.ssa	SubStation Alpha
.ass	Advanced SubStation Alpha
.art	Subrippler
.sub	Micro DVD / SubViewer
.txt	Micro DVD / TMPPlayer / MPL2
.smi	Samt

Extension	Specification
.mkv	VOBSub
.mkv	ASS / SSA / TEXT
.srt	DVD Subtitle
.vob	DVD Subtitle, TEXT
.mp4	DVD Subtitle, TEXT

## Supported DVI Resolutions

When connecting to your TV's connectors by using DVI converter cable (DVI to HDMI cable -- not supplied), you can refer to the following resolution information.

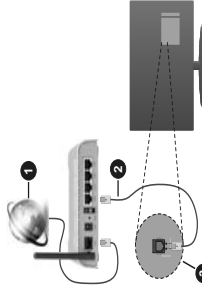
	56Hz	60Hz	60Hz	70Hz	72Hz	75Hz
640x480		X				X
800x600	X	X				X
1024x768		X	X			X
1280x768		X		X		X
1280x800		X		X		X
1280x768		X		X		X
1280x1024		X		X		X
1400x1050		X		X		X
1600x900		X		X		X
1920x1080		X		X		X

## Connectivity

### Wired Connectivity

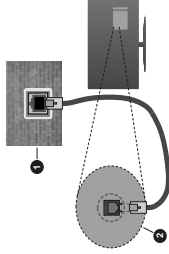
To Connect to a Wired Network

- You must have a modem/router connected to an active broadband connection.
- Connect your TV to your modem/router via an Ethernet cable. There is a LAN port at the rear (back) of your TV.



- Broadband ISP connection
- LAN (Ethernet) cable
- LAN input on the rear side of the TV

- You might be able to connect your TV to your LAN depending on your network's configuration. In such a case, use an Ethernet cable to connect your TV directly to the network wall outlet.



- Network wall socket
- LAN input on the rear side of the TV

### Configuring Wired Device Settings

To configure wired connection settings go to the **Settings>Network** menu.

#### Network Type

Set **Network Type** as **Wired Device** if you are connecting via an Ethernet cable.

### Internet Speed Test

Highlight **Internet Speed Test** and press the **OK** button. TV will check the internet connection bandwidth and display the result when complete.

### Advanced Settings

Highlight **Advanced Settings** and press the **OK** button. On the next screen you can change the IP and DNS settings of the TV. Highlight the desired one and press **Left** or **Right** button to change the setting from **Automatic** to **Manual**. Now you can enter the IP and / or DNS values manually. Select the related item in the drop down menu and enter the new values using the numeric buttons of the remote. Highlight **Save** and press the **OK** button to save settings when complete.

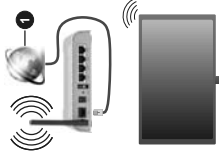
### Other Information

The status of the connection will be displayed as **Connected** or **Not Connected** on the internet IP address a connection is establishing. The MAC address of your TV will also be displayed on the screen.

### Wireless Connectivity

To Connect to a Wireless Network

- You must have a wireless modem/router connected to an active broadband connection.



### Broadband ISP connection

A **Wireless-N** router (IEEE 802.11a/b/g/n) with simultaneous 2.4 and 5 GHz bands is designed to increase bandwidth. These are optimised for smoother and faster HD video streaming, file transfers and wireless gaming.

The frequency and channel differ depending on the area.

The transmission speed differs depending on the distance and number of obstructions between the transmission products, the configuration of these products, the radio wave conditions, the line traffic and the products that you use. The transmission may also be cut off or may get disconnected depending on the radio wave conditions, DECT phones or any



other WLAN 11b appliances. The standard values of the transmission rate are the theoretical maximum values for the wireless standards. They are not the actual speeds of data transmission.

The location where the transmission is most effective differs depending on the usage environment.

The TV supports 802.11 a, b, g & n type modems. It is highly recommended that you should use the IEEE 802.11n communication protocol in order to avoid any possible problems while watching videos.

You must change your modem's SSID when there are any other modems around with the same SSID. You can encounter connection problems otherwise. Use a wired connection if you experience problems with a wireless connection.

### Configuring Wireless Device Settings

To configure wireless connection settings go to the Settings>Network menu.

#### Network Type

Set **Network Type** as **Wireless Device** to start connection process.

#### Scan Wireless Networks

Highlight **Scan Wireless Networks** option and press **OK** to start the scan. Highlight the network you want. All found networks will be listed. Highlight the desired network from the list and press **OK** to connect. A network with hidden SSID can not be detected by other devices. If you want to connect to a network with hidden SSID, scroll down the list of detected wireless networks, highlight the **Add New Network** option and press **OK**. Enter the name of the network and select the security type using the related options to connect. **Note:** If the modem supports *N mode*, you should set *N mode* settings.

If the selected network is password-protected, enter the correct key by using the virtual keyboard. You can use this keyboard by using the directional buttons and the **OK** button on the remote control.

Wait until the IP address is shown on the screen. This means that the connection is now established.

#### Disconnect

If you have connected to a wireless network **Disconnect** option will appear in the **Network menu** and your wireless network profile will also be saved, thus your TV will connect to the same network automatically whenever you switch to wireless connection. To disconnect from a wireless network and delete the saved wireless network profile, highlight **Disconnect** and press **OK**.

### Press WPS on your wifi router

If your router has WPS, you can directly connect to the modem/router without entering a password or adding the network list. Highlight **Press WPS on your wifi router** option and press **OK**. Go to your modem/router device and press the WPS button on it to make the connection. You will see a connection confirmation on your TV once the devices have paired. Select **OK** to proceed. No further configuration is required.

#### Internet Speed Test

Highlight **Internet Speed Test** and press the **OK** button to check your internet connection speed.

#### Advanced Settings

Highlight **Advanced Settings** and press the **OK** button to open the advanced setting menu. Use directional and numeric buttons to set. The procedure is the same as explained in network connectivity. Highlight **Save** and press the **OK** button to save settings when complete.

#### Networked Standby Mode

You can enable or disable the Networked Standby Mode feature by setting this option accordingly. Refer to **Networked Standby Mode** section for further information.

#### Other information

The status of the connection will be displayed as **Connected** or **Not Connected** and the current IP address, if a connection is established. The MAC address of your TV will also be displayed on the screen.

#### Connecting to your mobile device via WLAN

If your mobile device has WLAN feature, you can connect to your TV via a router, in order to access the content in your device. For this, your mobile device must have an appropriate sharing software. Connect your TV to your router by following the steps mentioned in the sections above.

Afterwards, connect your mobile device to the router and then activate the sharing software on your mobile device. Then, select files that you want to share with your TV.

If the connection is established correctly, you will be able to access the shared files installed on your mobile device via the Audio Video Sharing feature of your TV.

Highlight the **Audio Video Sharing** option in the **Sources** menu and press **OK**. Available media server sources in the network will be displayed. Select your mobile device and press the **OK** button to continue.

If available, you can download a virtual remote controller application from the server of your mobile device application provider.

**Note:** This feature may not be supported on all mobile devices.

### Networked Standby Mode

**Networked Standby Mode** is a standard that allows a device to be turned on or woken up by a network message. The message is sent to the device by a program executed on a remote device connected to the same local area network, such as a smartphone.

To enable this feature set the **Networked Standby Mode** option in the **Network** menu as **On**. It is necessary that both the device, from which the network message will be sent to the TV, and the TV are connected to the same network. Networked Standby Mode feature is only supported for Android OS devices and can only be used via YouTube and Netflix applications.

In order to use this feature the TV and the remote device should be connected at least once while the TV is on. If the TV is powered off, the connection should be re-established, the next time it is switched on. Otherwise this feature will be unavailable. This does not apply, when the TV is switched into the standby mode.

If you want your TV to consume less power in standby mode, you can disable this feature by setting the **Networked Standby Mode** option as **Off**.

#### Wireless Display

Wireless Display is a standard for streaming video and sound content. This feature provides the ability to use your TV as wireless display device.

#### Using with mobile devices

There are different standards which enable sharing of screens including graphical, video and audio content between your mobile device and TV.

Press the **Source** button on the remote and switch to **Wireless Display** source.

A screen appears stating that the TV is ready for a connection.

Open the sharing application on your mobile device. These applications are named differently for each brand, refer to the instruction manual of your mobile device for detailed information.

Scan for devices. After you select your TV and connect, the screen of your device will be displayed on your TV. **Note:** This feature can be used only if the mobile device supports this feature. If you experience problems with the connection check if the operating system version you use matches the operating system versions which are released after the TV. Also, check if the TV is running background processes according to the program you use.

### Connectivity Troubleshooting

#### Wireless Network Not Available

- Ensure that any firewalls of your network allow the TV wireless connection.
- Try searching for wireless networks again, using the **Network** menu screen.

If the wireless network does not function properly, try using the wired network in your home. Refer to the **Wired Connectivity** section for more information on the process.

If the TV does not function using the wired connection, check the modem (router). If the router does not have a problem, check the internet connection of your modem.

#### Connection is Slow

See the instruction book of your wireless modem to get information on the internet service area, connection speed, signal quality and other settings. You need to have a high speed connection for your modem.

#### Disruption during playback or slow reactions

You could try the following in such a case:

Keep at least three metres distance from microwave ovens, mobile telephones, Bluetooth devices or any other WLAN compatible devices. Try changing the active channel on the WLAN router.

#### Internet Connection Not Available / Audio Video Sharing Not Working

If the MAC address (a unique identifier number) of your PC or modem has been permanently registered, it is possible that your TV might not connect to the internet. In such a case, the MAC address is authenticated each time when you connect to the internet. This is a precaution against unauthorised access. Since your TV has its own MAC address, your internet service provider cannot validate the MAC address of your TV. For this reason, your TV cannot connect to the internet. Contact your internet service provider and request information on how to connect a different device, such as your TV, to the internet.

It is also possible that the connection may not be available due to a firewall problem. If you think this causes your problem, contact your internet service provider. A firewall might be the reason of a connectivity and discovery problem while using the TV in Audio Video Sharing mode or while browsing via Audio Video Sharing feature.

#### Invalid Domain

Ensure that you have already logged on to your PC with an authorised username/password and also ensure that your domain is active, prior to sharing any files in your media server program on your PC. If the domain is invalid, this might cause problems while browsing files in Audio Video Sharing mode.

### Using Audio Video Sharing Network Service

Audio Video Sharing feature uses a standard that eases the viewing process of digital electronics and makes them more convenient to use on a home network.

This standard allows you to view and play photos, music and videos stored on the media server connected to your home network.

#### 1. Server Software Installation

The Audio Video Sharing feature cannot be used if the server program is not installed onto your PC or if the required media server software is not installed onto the companion device. Prepare your PC with a proper server program.

#### 2. Connect to a Wired or Wireless Network

See the **Wireless/Connectivity** sections for detailed configuration information.

#### 3. Enable Audio Video Sharing

Enter the **Settings>System>More** menu and enable the **Audio Video Sharing** option.

#### 4. Play Shared Files via Media Browser

Highlight the **Audio Video Sharing** option in the **Sources** menu by using the directional buttons and press **OK**. Available media server devices in the network will be listed. Select one and press **OK** to continue. The media browser will section for displayed. Refer to the **Media Browser** menu section for further information on file playback.

If a problem occurs with the network, switch your television off at the wall socket and back on again.

PCHDD/Media Player or any other device that are compatible should be used with a wired connection for higher playback quality.

Use a LAN connection for quicker file sharing between other devices like computers.

**Note:** There may be some PCs which may not be able to utilize the Audio Video Sharing feature due to administrator and security settings (such as business PCs).

#### Apps

You can access the applications installed on your TV from the **Home** menu. Press the **Home** button on the remote. **Home** menu will be displayed. Highlight an app and press **OK** to launch.

In order to manage the apps installed on your TV, you can use the **More Apps** option in the **TV** menu. Launch or add an installed app to **Home** menu. Launch or remove it. Highlight an app and press **OK** to see the available options.

You can add new apps from the application market. To access the market, go to the **Marketplace** section of the **TV** menu. Highlight an app and press **OK** to install it. You can also access the application market from within the **More Apps** menu.

You can read your customisations on the **Home** menu, including app preferences, by default using the **Reset Apps** option in the **TV** menu. Availability depends on the model and its features. Highlight this option and press **OK**. A confirmation message will be displayed. Highlight **Yes** and press **OK** to proceed. Note that you will not be able to perform this operation again within the next few minutes.

**Notes:** Possible application dependent problems may be caused by the content service provider.  
Third party internet services may change, be discontinued or restricted at any time.

#### Freeview Play Platform

Freeview Play platform provides catch-up TV and On Demand services. Simply press the **Freeview Play** button on your remote control to connect to the Freeview Play platform.

The Freeview Play platform can also be accessed from the **Home** or **TV** menus. Press **Home** button and select **Home** or **TV**. Then highlight **Freeview Play** and press the **OK** button.

You will have to agree to the terms and conditions for Freeview Play services first if you did not agree to them during the **First Time Installation**. Highlight **Yes** and press **OK** on the remote to confirm and proceed. Integrated TV Player applications will be displayed. Select one and press the **OK** button. Then select a content that you want to play back. Then press the **OK** button to watch.

Catch-up content can also be accessed and played back directly from the **TV Guide**. Refer to the section **Electronic Programme Guide** for more information.

#### Requirements

The Freeview Play services may only be used if the following requirements are fulfilled:

- Connecting the TV to the internet. A minimum broadband speed of 2Mbps is required for proper operation of catch-up and on demand services.
- Agreeing to the terms and conditions of Freeview Play

**Note:** Freeview Play platform usage will start towards any monthly broadcast date allowance. Only selected channels provide 7-day catch-up.

#### Internet Browser

To use the internet browser, enter the **Home** menu first. Then launch the internet browser application, which has an orange coloured logo with earth symbol on it. In the initial screen of the browser, the thumbnails of the predefined (if any) links to web sites available will be displayed as **Speed Dial** options along with the **Edit Speed Dial** and the **Add to Speed Dial** options. To navigate the web browser, use the directional buttons on the remote or a connected mouse. To see

the browser options bar, move the cursor to the top of the page. **History**, **Tags** and **Bookmarks** options and the **Refresh** button are available. Press **OK** to refresh the button, the address search bar, the **Speed Dial** and the **Viewd** buttons are available.

To add a desired website to the **Speed Dial** list for quick access, move the cursor to the top of the page. **Add to Speed Dial** will appear. Highlight the **Speed Dial** button and press the **OK** button. Then select **Add to Speed Dial** option and press the **OK** button. Fill in the **URL** and press the **OK** button. Highlight **OK** and press the **OK** button. The **Speed Dial** list highlight the **Add to Speed Dial** option in the submenu and press the **OK** button again. **Name** and **Address** will be filled automatically according to the site you are visiting. Highlight **OK** and press the **OK** button to add.

You can also use the **Viewd** menu options to manage the browser. Highlight the **Viewd** button and press the **OK** button to see available page specific and general options.

There are various ways to search or visit websites using the web browser.

Enter the address of a website(URL) into the search/address bar and highlight the **Submit** button on the virtual keyboard and press the **OK** button to visit the site.

Enter keywords into the search/address bar and highlight the **Submit** button on the virtual keyboard and press the **OK** button to start a search for the related websites.

Highlight a **Speed Dial** thumbnail and press the **OK** button to visit the related website.

Your TV is compatible with USB mice. Plug your mouse or wireless mouse into the USB input or your TV for easier and quicker navigation.

Some web pages include flash content. These are not supported by the browser.

Your TV does not support any download processes from the internet via the browser.

All sites on the internet might not be supported. According to the site, content problems may occur. In some circumstances video content might not be able to be played.

#### HBBTV System

HbbTV (Hybrid Broadcast Broadband TV) is a new industry standard that seamlessly combines TV services delivered via broadcast and services delivered via broadband and also enables access to content only via broadband. Services delivered through HbbTV include traditional Broadcast TV channels, catch-up services, video-on-demand, electronic programme guide,

interactive advertising, personalisation, voting, games, social networking and other multimedia applications. HbbTV applications are available on channels where they are applied to the broadcaster. The broadcaster marks an application as 'autostart' and this one is automatically launched when the user switches the application on to notify the user that there is an HbbTV application on that channel. Press the red button to open the application page. After the page is displayed you can go back to the initial red button icon state by pressing the red button again. You can toggle between the red button icon mode and full UI mode of the application via pressing red button. It should be noted that the red button switching capability is provided by the application and some applications may behave differently (other colour buttons such as green, yellow, blue, may be defined for some other functions, e.g. shortcuts).

If you switch to another channel while an HbbTV application is active (either in red button icon mode or full UI mode), the following scenarios can occur.

- The application can continue running.
  - The application can be terminated.
  - The application can be terminated and another autostart red button application can be launched.
- HbbTV allows the applications to be retrieved both from broadband or broadcast. The broadcaster may enable both ways or one of them. If the platform does not have an operational 'broadband' connection, the platform can still launch applications transmitted on broadcast. The autostart red button applications generally provide links to other applications. The user then can switch to other applications by using the links provided. The applications should provide a way to terminate themselves, usually **Exit** button is used for this.

HbbTV applications use keys on the remote control to interact with the user. When an HbbTV application is launched, the control of some keys are owned by the application. For example, numeric channel selection may not work on a teletext application where the numbers indicate teletext pages.

HbbTV requires AV streaming capability for the platform. There are numerous applications providing VOD (video on demand) and catch-up TV services. The user can use play, pause, stop, forward, and rewind keys on the remote control to interact with the AV content.

If you need to change the audio description settings of your TV, you should do it before a HbbTV playback starts. You will not be able to access related settings during a playback. Go to the **Settings>System>Accessibility>Audio Description** menu and adjust according to your need.

**Note:** You can enable or disable this feature from the **More** menu in **Settings>System** menu. Depending on the model of your TV and the selected country option in the **First Time Installation** this feature might be available in the **Settings>System>Privacy>Privacy Settings** menu instead of the **Settings>System>More** menu.

#### Smart Center

Smart Center is a mobile application running on iOS and Android platforms. With your tablet or phone, you can easily stream your favourite live shows and programmes from your smart TV. Also, you can launch your applications, use your tablet as a remote control for your TV and share media files.

**Note:** Being able to use all functions of this application depends on the features of your TV.

#### Getting Started

To be able to use internet-based features, your modem/router must be connected to the internet.

**IMPORTANT:** Make sure the TV and mobile device are connected to the same network.

For media sharing feature **Audio Video Sharing** option should be enabled (if available). Press the **Home** button on the remote, select **Settings>System>More** menu and press **OK**. Highlight **Audio Video Sharing** and change as **Enabled**. Your TV is ready to connect to your mobile device now.

Install the **Smart Center** application onto your mobile device.

Start the smart center application. If all connections are configured properly, you will see your TV's name on your mobile device. If your TV's name doesn't appear on the list, wait a while and tap on the **Refresh** window. Select your TV from the list.

#### Mobile Device screen

On the main screen you can find tabs to access various features.

The application retrieves actual channel list from TV first when it starts.

**MY CHANNELS:** The programmes of the first four channels from the channel list retrieved from the TV are shown. You can change the listed channels. Press on the channel thumbnail and hold. A list of channels will be displayed and you can choose your desired channel to be replaced.

**TV:** You can watch content through the TV tab. In this mode you can navigate through the channel list retrieved from your TV and click on thumbnails to view the detail pages.

**RECORDINGS:** You can view your active recordings (if available) and reminders through this tab. To delete each row, simply press on the delete icon found on each row.

**EPG**(Electronic programme guide): You can view the details of the programmes through this tab. You can also navigate through channels by pressing on the selected channel on the

#### Mirror Mode

This mode of FollowMe TV feature is enabled by default and allows streaming the content from any other selected TV sources and Media Browser.

**Note:** Not all original (DVB-T/C/S) SD and HD channels are supported.

Multilingual audio support and subtitle on/off features are not functional.

The streaming performance may change depending on the quality of your connection.

#### Media Share Page

To access the **Media Share** widget tap on the **Up-arrow** on the bottom left side of the screen.

If the **Media Share** widget is pressed, a screen is displayed where you can select the media file type to share with your TV.

**Note:** Not all image file formats are supported. This function will not work if **Audio Video Sharing** feature is not supported.

#### Smart Remote Feature

You can use your mobile phone as a remote control for your TV. If you have a USB connected to the TV. Use smart remote's full features tap on the **Up-arrow** on the bottom left side of this screen.

#### Voice Recognition

You can tap on the **Microphone** widget and select the voice command you want to use, such as "Volume Up/Down", "Programme Up/Down".

**Note:** This feature is only available for android based devices.

#### Keyboard Page

The keyboard page can be opened in two ways; by pressing the **Keyboard** widget on the application screen or automatically by receiving a command from the TV.

#### Requirements

1. Smart TV
2. Network connection
3. Mobile device based on Android or iOS platform (Android OS 4.0 or higher; iOS 6 or higher version)
4. Smart Center app. (to be found on android and iOS platforms)
5. Router/modem
6. USB storage device in FAT32 format (required for USB Recording feature, if available)

**Note:** For Android devices, Normal(mtp), Large(lgpl) and Extra Large(xlgpl) screen sizes are supported. Devices with 3" or smaller screen sizes are not supported.

For iOS devices, all screen sizes are supported.

User interface of the Smart Center application is subject to change according to version installed on your device.

#### Alexa Ready

Alexa is Amazon's cloud-based voice service available on many voice controlled assistant devices. Your TV is compatible with and ready to be used with Alexa devices.

#### Works With Alexa

By means of the Works With Alexa feature you can control the functions of your TV with Alexa devices. In order to do this, the setup process should be completed. The setup can be carried out by using the **Works With Alexa** option in the **Settings>System>Voice Assistant** menu.

#### Setup process

- The wizard will guide you through the setup process.
  - On the first screen you will be informed about the feature. Highlight **Start** and press **OK** to proceed.
  - An authentication code will be created and displayed on the screen. Use your computer or any other device with internet access to go to the internet address (URL) shown on the screen. You will be directed to a page where you can sign in to your Amazon account first. If you are not already signed in. Then you will be directed to a page where you can enter the authentication code you see on the TV and link your TV to your Amazon account.
  - If the linking process was successful you will be asked to determine a name for your TV, called "Friendly Name(FN)". A "Friendly Name" is a name that reminds you of your TV, such as "Living Room TV", "Kitchen TV", "Dining Room TV", etc. Choose an easy-to-see name. You will say this name to tell Alexa which TV to control. When you are done, highlight **OK** and press **OK**.
  - Examples about the use of the feature will be displayed on the next screen. Press **OK** to finish the setup.
- Once the setup is complete, you will be able to control the functions of your TV with Alexa.

**Note:** Make sure that the devices are connected to the internet.

### Example Commands

Here are some voice commands that you can use:

Command	Function
Alexa, turn on <b>FN</b>	Powers on the TV
Alexa, turn off <b>FN</b>	Powers off the TV
Alexa, play <b>FN</b>	Starts media playback
Alexa, pause <b>FN</b>	Pauses media playback
Alexa, resume <b>FN</b>	Resumes media playback
Alexa, stop <b>FN</b>	Stops media playback
Alexa, first forward on <b>FN</b>	Advances media in fast forward mode
Alexa, rewind on <b>FN</b>	Rewinds media
Alexa, set the volume of <b>FN</b> to 50	Sets the volume to the specified level
Alexa, turn the volume up on <b>FN</b>	Increases volume by 10 units
Alexa, turn the volume down on <b>FN</b>	Decreases volume by 10 units
Alexa, mute <b>FN</b>	Mutes sound
Alexa, unmute <b>FN</b>	Unmutes sound
Alexa, change the input to 'input_name' on <b>FN</b>	The TV switches to the input source with the specified name (e.g. HDMI 1)
Alexa, change channel to 'channel_number' on <b>FN</b>	The TV switches to the channel with the specified number (e.g. channel 200)
Alexa, change channel to 'channel_name' on <b>FN</b>	The TV switches to the channel with the specified name
Alexa, channel up on <b>FN</b>	The TV switches to the next higher channel, if any available
Alexa, channel down on <b>FN</b>	The TV switches to the next lower channel, if any available
Alexa, next channel on <b>FN</b>	The TV switches to the next channel on the channel list

**FN** is the abbreviation for 'Friendly Name'.

### DVB functionality information

This DVB receiver is only suitable for use in the country which it was designed to be used in.

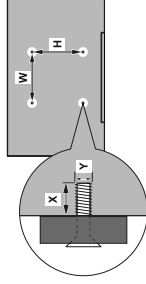
Although this DVB receiver conforms to the latest DVB specifications at the time of manufacture, we cannot guarantee compatibility with future DVB transmissions due to changes that may be implemented in broadcast signals and technologies.

Some digital television functions may not be available in all countries.

We continually strive to improve our products; therefore, specifications may change without prior notice.

For advice on where to purchase accessories, please contact the store where you purchased your equipment.

VESA WALL MOUNT MEASUREMENTS			
Hole Pattern Size (mm)	W	H	H
	200	200	200
Screw Sizes	Screw Sizes		
	Length (X) min. (mm)		
Thread (Y)	max. (mm)		
	13		
Thread (Y)			
M6			



Hereby, VESTEL Elektronik, Saraylı ve Ticaret A.Ş., declares that the radio equipment type TFT IDTV is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: doc.vossthub.com







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