

32B123HDS

Digihome


OPERATING INSTRUCTIONS

COLOUR TELEVISION WITH REMOTE CONTROL


Connectivity Troubleshooting	27
Using Audio Video Sharing Network Service	27
Apps	28
Freeview Play Platform	28
Internet Browser	28
HBBTV System	28
Smart Center	29
4K Ready	30
DVB functionality information	32
Important Instructions	33

Contents	
Safety Information	2
Mains Supply	2
Markings on the Product	2
Environmental Information	3
Features	3
High Dynamic Range (HDR) / Hybrid Log-Gamma (HLG)	4
Accessories Included	4
Standby Mode Picture	4
Standby Notifications	4
TV Control Button & Operation	5
Using Main TV Menu	5
Inserting the Batteries into the Remote	6
Power Connection	7
Antenna Connection	7
Licence Notification	7
Disposal Information	7
Specification	8
Remote Control	9
Connections	10
Switching On/Off	11
First Time Installation	11
Media Playback via USB Input	12
Media Browser	12
FollowMe TV	12
CEC	13
E-Manual	13
Settings Menu Content	14
General TV Operation	20
Using the Channel List	20
Configuring Parental Settings	20
Electronic Programme Guide	20
Software Upgrade	21
Troubleshooting & Tips	21
PC Input Typical Display Modes	22
AV and HDMI Signal Compatibility	22
Supported File Formats for USB Mode	23
Video File Formats	23
Picture File Formats	23
Audio File Formats	23
Subtitle File Formats	24
Supported DVI Resolutions	24
Connectivity	25
Wired Connectivity	25
Wireless Connectivity	25
Networked Standby Mode	26

Safety Information



CAUTION
RISK OF ELECTRIC SHOCK
READ MANUAL



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. SERVICING TO QUALIFIED SERVICE PERSONNEL.

In extreme weather (storms, lightning) and long inactivity periods (going on holiday), 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. A damaged power cord may cause a fire or 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. Never make 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 open flames such as lit candles 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 falling. Do not over-tighten the screws as this may damage the TV's property.
- Do not place the TV in the vicinity of fire or with hazardous or flammable materials.

WARNING - Batteries must not be exposed to excessive heat such as sunshine, fire or the like.
WARNING - 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 restrictions 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 reasonable use for seeable conditions of operation.



WARNING

Do not ingest the battery. Chemical Burn Hazard. The product contains a lithium ion battery. The product may contain a combination cell battery. If the combination cell battery is swallowed, it can cause severe thermal burns in just 2 hours and can lead to death.

Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children.

If you find batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

Attention may fall, causing serious personal injury or death. Many toys and children's products can be avoided by taking simple precautions such as:

- ALWAYS use cabinets or stands or mounting methods recommended by the manufacturer of the television set.
- ALWAYS use furniture that can safely support the television set.
- ALWAYS ensure the television set is not overhanging the edge of the supporting furniture.
- ALWAYS educate children about the dangers of climbing on furniture to reach the television set or its controls.

- ALWAYS route cords and cables connected to the television set so they cannot be tripped over, pulled or grabbed.
- NEVER place a television set in an unstable location.
- NEVER place the television set on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television set to a suitable support.
- NEVER place the television set on cloth or other materials that may be located between the television set and supporting furniture.
- NEVER place items that might tempt children to climb, such as toys and remote controls, on the television set in a position or furniture on which the television is placed.
- The equipment is only suitable for mounting at heights 52 m.

If the existing television set is going to be retained and relocated, the same considerations as above should be applied.

Apparatus connected to the protective earthing of the building installation through the MAINS connection or through other apparatus with a connection to protective earthing – and to a television distribution system using coaxial cable, may in some circumstances cause a hazard connected to a television distribution device providing electrical isolation below a certain frequency range (galvanic isolator).

WALL MOUNTING WARNINGS

- Read the instructions before mounting your TV on the wall.
- The wall mount kit is optional. You can obtain from your local dealer, if not supplied with your TV.
- Do not install the TV on a ceiling or on an inclined wall.
- Use the specified wall mounting screws and other accessories.
- Tighten the wall mounting screws firmly to prevent the TV from falling. Do not over-tighten the screws.

Figures and illustrations in these operating instructions are provided for reference only and may differ from the actual product appearance. Product design and specifications may be changed without notice.

Environmental Information

This television is designed to be environmentally friendly. To reduce energy consumption, you can follow these steps:

If you set the **Energy Saving** to **Minimum**, **Medium**, **Maximum** or **Auto** the TV will reduce the energy consumption accordingly. If you like to set the **Backlight** to a fixed value set as **Custom** and adjust the **Backlight** (located under the **Energy Saving** setting) manually using Left or Right buttons on the remote. Set as **On** to turn this setting off.

Note: Available Mode in the Settings>Picture menu.

The **Energy Saving** settings can be found in the **Settings>Picture** menu. Note that some picture settings will be unavailable to be changed.

If pressed Right button or Left button, message will be displayed on the screen. Select **Proceed** and press **OK** to turn the screen off immediately. If you don't press any button, the screen will turn off in 15 seconds. Press any button on the remote or on the TV to turn the screen on again.

Note: Screen Off option is not available if the Mode is set to Game.

When the TV is not in use, please switch off or disconnect the TV from the mains plug. This will also reduce energy consumption.

Features

- Remote controlled colour TV
- Fully integrated digital terrestrial TV (DVB-T2)
- HDMI inputs to connect other devices with HDMI sockets
- USB input

- OSD menu system
- Back AV inputs for external devices (such as DVD Players, PVR, video games, etc.)
- Stereo sound system
- Headphone connection
- Automatic programming system
- Manual tuning
- Automatic power down after up to eight hours
- Sleep timer
- Child lock
- Automatic sound mute when no transmission
- NTSC playback
- AVI (Automatic Volume Limiting)
- PLL (Frequency Search)
- PC input
- Game Mode (Optional)
- Picture off function
- Ethernet (LAN) for internet connectivity and service
- 802.11 a/b/g/n built in WLAN Support
- Audio Video Sharing
- HbbTV

High Dynamic Range (HDR) / Hybrid Log-Gamma (HLG)

Using this feature, the TV can reproduce greater dynamic range of luminosity by capturing HDR/HLG content. HDR/HLG content is available on premium broadcast picture quality thanks to brighter, more realistic highlights, more realistic colour and other improvements. It delivers the look that filmmakers intended to achieve, showing full hidden areas of dark shadows and sunlight with full clarity, colour and detail. HDR/HLG content is supported via native and market applications. HDMI and USB input.

Accessories Included

- Remote Control
- Batteries: 2 x AAA
- Instruction Book
- Quick Start Guide
- Power Cord

Standby Mode Picture

You can use your TV as a digital picture frame using the Standby Mode Picture feature. In order to do this follow the steps below.

- Set the **Standby Mode Picture** option in the **Settings>System>More** menu as **On**. This option is set as **Off** by default.
- Create a separate folder named as **standby_picture** in the USB storage device's root directory and copy

the files you want to use into that folder, and then connect the USB storage device to your TV.

- Press the **Standby** button on the remote briefly to switch your TV into standby mode picture state.

Note that once the **Standby Mode Picture** option is set as **On**, the function of the **Standby** button on the remote will change. After this you will need to press and hold the button to switch the TV into standby mode while the TV is in normal operating mode.

If there is more than 1 picture file available in the folder, all picture files will be displayed as a slide show in succession. If the necessary folder is not created or there isn't any picture file in the folder, a warning message will be displayed on the screen for a few seconds and then disappear.

In standby mode picture state the backlight level of the screen will not be decreased by 50 % and Smart Center features will not be usable, if Smart Center is available for your TV model.

To switch your TV from standby mode picture state back to normal operating mode press the **Standby** button on the remote freely.

Besides the remote control, you can also use the control buttons on the TV to switch into standby picture mode back to normal operating mode. In order to do that follow the same instructions as described in the **TV Control Button & Operation** section for switching the TV into the standby mode. Note that you will not be able to switch the TV into standby mode using the control button on the TV, while the TV is in standby picture mode.

Note: The availability of this feature depends on the TV model and its features.

Refer to the **Supported File Formats for USB Mode** section for the supported media file formats.

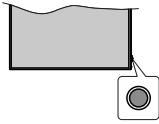
Standby Notifications

If the TV does not receive any input signal (e.g. from an aerial or HDMI source) for 3 minutes, it will go into standby. When you next switch-on, the following message will be displayed: "TV switched to standby mode automatically because there was no signal for a long time." You can disable this functionality by setting the **No Signal Timer** option in the **Settings>System>Device Settings** menu accordingly.

The **Auto Power** down option (in the **Settings>System >More** menu) could have been set to a value between 1 and 8 hours by default. If this setting is not set as **Off** and the TV has been left on, it will switch into standby mode during the set time, it will switch into standby mode after the set time has expired. When you next switch-on the TV, the following message will be displayed: "TV switched to stand-by mode automatically because no power was made for a long time." Before the TV switches into standby mode a dialogue window will be displayed. If you do not press any button the TV will switch into the standby mode after a waiting period

of about 5 minutes. You can highlight **Yes** and press **OK** to switch the TV into standby mode. Alternatively, if you highlight **No** and press **OK**, the TV will remain on. You can also choose to cancel the **Auto Power Down** function from this dialogue. Highlight **Disable** and press **OK**, the TV will remain on and the function will be cancelled. You can enable this function again by changing the setting of the **Auto Power Down** option from the **Settings>System>More Menu**.

TV Control Buttons & 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**
 - Press 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 do the last step again from the 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. The TV will turn off when the button is released.
- **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 channel list. Press and hold 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. Press and hold the button to display 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** to highlight and enter. 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.

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-options of the menu will appear on the screen. To use a quick access item menu bar for quick access. To use a quick access item highlight it, press **OK** and set as desired using the **Left/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 of time, network and sync for apps. If these icons appear in green, it means that the time information is 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 highlighted by using the directional buttons. Press and hold the button on the remote. If you see **Add to Home** option you can add it to the **Home** menu. Same way you can delete or change the position of any item in the **Home** menu. Press the **Down** directional button 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. Press and hold the button 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. Freeview Play

Connects to the Freeview Play platform where you can access available catch-up TV services (only available 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 **Left/Right** buttons and press **OK**. Set the sub-menu options as desired 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 is not possible to set timers for two or more events in that interval. In this case you will be asked to choose one of these timers and cancel others. Highlight the timer you want to cancel and cancel others. Highlight the timer you want to cancel and press **OK** and press **OK** to cancel that timer. You will have to save changes

after that. In order to do that press **OK**, highlight **Save Changes** and press **OK** again.

3.5. More Apps

In order to manage the apps installed on your TV, you can switch to 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.

3.6. 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.

3.7. 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**. You can also reset the messages will be displayed. Highlight **Yes** and press **OK**. You cannot cancel this operation. You will have to perform this operation again within the next few minutes.

3.8. Accessibility

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

3.9. 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 sources preferences using the options of this menu. To change the current source or use your TV as a wireless display device 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.

Inserting the Batteries into the Remote

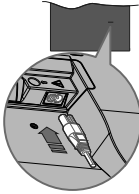
Remove the screw that secures the battery compartment cover on the back of the remote control. Insert two size AAA batteries. Make sure the (+) and (-) signs match (observe correct polarity). Do not mix old and new batteries. Replace only with same or equivalent type. Place the cover back on. Then secure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

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

Batteries as shown, 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 set 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 rear side of the TV.

Rear 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.

License Notification

The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI trade dress and the double-D symbol are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.



Manufactured under license from Dolby Laboratories, Dolby, Dolby Audio, and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

YouTube and the YouTube logo are trademarks of Google Inc.

DVB is a registered trademark of the DVB Project.

[1] EUCER-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.

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 P below this symbol for batteries indicates that this battery contains lead.



1. Products
2. Battery

Specification

Digital Reception	Fully integrated digital terrestrial TV (DVB-T) (DVB-T2 compliant)
Number of Preset Channels	1 000
Channel Indicator	On Screen Display
RF Aerial Input	75 Ohm (unbalanced)
Operating Voltage	220-240V AC, 50Hz.
Audio	German-NiAm Stereo
Audio Output Power (W/RMS), (10% THD)	2 x 6W
Power Consumption (W)	69W
Networked Standby Mode Power Consumption (W)	< 2
TV Dimensions DxLxH (with stand) (mm)	175 x 732 x 462
TV Dimensions DxLxH (without stand) (mm)	51/78 x 732 x 435
Display	32"
Operation temperature and operation humidity	0°C up to 40°C, 85% humidity max

Wireless LAN Transmitter Specifications

Frequency Ranges	Max Output Power
2400 - 2483.5 MHz (CH1 - CH13)	< 100 mW
5150 - 5250 MHz (CH36 - CH48)	< 200 mW
5250 - 5350 MHz (CH52 - CH64)	< 200 mW
5470 - 5725 MHz (CH100 - CH140)	< 200 mW

Country Restrictions

The Wireless LAN equipment is intended for home and offices 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	If used outside of its own premises, general authorisation is required. Public use is subject to general authorisation by the respective service provider
Greece	Indoor 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	Indoor 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 LAN's.

Disposal Information

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.

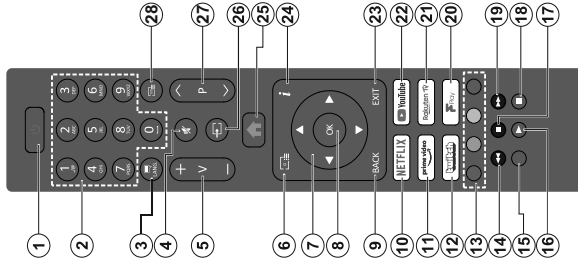
By disposing of these products correctly, you will help to conserve natural resources and will help to prevent potential negative effects on the environment and human health which could otherwise be caused by inappropriate waste handling of these products.

For more information about collection points and recycling services, please contact your local municipal authority or the 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.

Remote Control



- Standby (*)**: Standby / On (press briefly)
Reset / Power Off (press and hold)
- Numeric buttons**: Switches the channel, enters a number or a letter in the text box on the screen
- Language**: Displays and changes audio/subtitle language and turns subtitles on or off (digital TV, where available)
- Mute**: Completely turns off the volume of the TV
- Volume +/-**
- Guide**: Displays the electronic programme guide
- Directional buttons**: Helps navigate menus, context and displays the subpages in TXT mode when pressed Right or Left
- OK**: Confirms user selections, holds the page (in TXT mode), views **Channels** menu (DTV mode)
- Back/Return**: Returns to previous screen, previous chapter, index page (in TXT mode). Quickly cycles between previous and current channels or sources
- Netflix**: Launches the Netflix application
- Prime Video**: Launches the Amazon Prime Video application
- Twich**: Launches the Twitch application
- Coloured Buttons**: Follow the on-screen instructions for coloured button functions
- Rewind**: Moves frames backwards in media such as movies
- No function
- Play**: Starts to play selected media
- Stop**: Stops the media being played
- Pause**: Pauses the media being played
- Fast Forward**: Moves frames forward in media such as movies
- Freeview Play**: Connects to the Freeview Play platform where you can access available catch-up TV services
- Rakuten TV**: Launches the Rakuten TV application
- YouTube**: Launches the YouTube application
- Exit**: Closes and exits from displayed menus or returns to previous screen
- Info**: Displays information about on-screen content, shows hidden information (reveal - in TXT mode)
- Menu**: Displays TV menu
- Source**: Shows available broadcast and content sources
- Programme +/-**
- No function**

(*) Standby Button

Press and hold the **Standby** button to see additional actions for this button. Highlight one of the **Reset** (Restart), **Standby** (Normal Standby), and **Power Off** (Forced Standby) options and press **OK** to perform the selected action. If your TV stops responding to commands and the actions menu can not be displayed, the TV will be forced to restart when the button is kept pressed for about five seconds.

Press briefly and release the button to switch the TV into standby mode or to switch it on when it's in standby mode.

Connections

Connector	Type	Cables	Device
	VGA Connection (back)		
	YPaPr/PC Audio Connection (back)		
	HDMI Connection (side/back)		
	SPDIF (Optical Out) Connection (back)		
	Back AV (Audio/Video) Connection (back)		
	Headphone Connection (side)		
	YPaPr Video Connection (back)		
	USB Connection (side)		
	CI Connection (side)		
	Ethernet Connection (back)		

See the illustrations on the left side. You can use YPaPr to VGA cable to connect YPaPr signal to VGA and YPaPr to YPaPr signal to YPaPr and YPaPr at the same time. To enable YPaPr/PC audio, you will need to use the back audio inputs with a YPaPr/PC audio cable for audio connection. When using YPaPr/PC audio, you must purchase a third party in the market. If not supplied, we recommend that you plug all your cables into the wall. Insert or remove the cables from the back of the TV before mounting the TV. Do not use the TV with a SWITCHED OFF. You should refer to the module instruction manual for details of the settings. The USB input of your TV supports devices up to 500mA. Connecting devices that have current values above 500mA may damage the TV. When connecting equipment using a HDMI cable to your TV, to guarantee sufficient immunity against parasitic frequency radiation, you have to use a high speed shielded (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.

Natural and press **OK** to continue. You can change your selection later, using the **Mode** option in the **Settings-Picture** menu.

Depending on the model of your TV and the country you select, **Privacy Settings** menu may appear at this point. Using this menu you can set your privacy preferences. Highlight a feature and use **Left** and **Right** directional buttons to enable or disable. Read the related explanations displayed on the screen for each option before pressing any button.

Use **Right** to use **Program +1** button, **Up** 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 Settings** 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 smartvsecurity@vovshib.com.

Highlight **Next** and press **OK** button on the remote control to continue and the **Network/Internet Settings** menu will be displayed. Please refer to **Connectivity** section to configure a wired or a wireless connection. 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 **Program +1** buttons. Highlight **Yes** and press **OK** on the remote 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 the next screen you can set broadcast types to be received, 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**. The checkbox next to the selected option will be checked. To turn off search option off near the checkbox, by pressing the **Source** option off focus on the desired broadcast type option.

Digital Aerial: If **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. After all the channels are scanned, the channel list according to your preferences using the **Edit** list options or press the **Home** button to quit and watch TV.

While the search continues a message 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/numbers available broadcasts. In accordance with a recognisable channel number sequence (if available).

Note: Do not turn off the TV while initialising first time depending on the country selection.

Media Playback via USB Input

You can connect 2.5" and 3.5" inch HDD with external power supply / storage devices or a USB memory stick to your TV by using the USB input of the TV.

IMPORTANT! Backup 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) and USB storage devices (e.g. memory sticks) may not be compatible with this TV. The TV supports FAT32 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. External power supplied USB hubs are recommended in such a case.

It is recommended to use the TV's USB input directly, if you are going to connect a USB hard disk.

Note: When viewing image files the **Media Browser** menu can only display 1000 image files stored on the connected USB device.

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.

After connecting a USB storage device to your TV **Media Browser** menu will be displayed on the screen. You can access the content from the connected USB device either later from the **Source** menu. Select the related USB input option from the menu and press **OK**. You can also press the **Source** button on the remote and then select your USB storage device from

the list of sources. Then select the file of your choice and press **OK** to display or play a back.

You can set your **Media Browser** preferences by using the **Settings** menu. **Settings** menu can be accessed via the information bar which is displayed on the bottom of the screen while playing back a video file or displaying a picture file. Press the **Info** button if the information bar has disappeared. Highlight the gear wheel symbol positioned on the right side of the screen and press **OK** to open the **Settings** menu.

Sound Settings, Media Browser Settings, Settings menu will be available. The content of the **Settings** menu may change according to the type of the currently open media file. Only **Sound Settings** menu will be available while playing back audio files.

Loop/Shuffle Mode Operation	
Start playback and activate	All files in the list will be continuously played in original order.
Start playback and activate	The same file will be played continuously (Repeat).
Start playback and activate	All files in the list will be played once in random order.
Start playback and activate	All files in the list will be continuously played in the same random order.

To use the functions on the information bar highlight the symbol of the function and press **OK**. To change the status of a function highlight the symbol of the function and press **OK** as much as needed. If the symbol is marked with a red cross, that means it is deactivated.

FollowMe TV

With your mobile device you can stream the current broadcast from your smart TV using the **FollowMe TV** feature. Install the appropriate **Smart Center** application to your mobile device. Start the application. For further information on using this feature refer to the instructions of the application you use.

Note: Depending on model, your TV may not support this feature. The application may not be compatible with all mobile devices. (Ultra HD/4K Ultra HD) channels are not supported and both of the devices must be connected to the same network.

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 source device from the **Sources List** menu. When a new CEC source device is connected, it will be listed the **Sources** menu with its own name

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 **Power** button, **Programme +1**, or a numeric **Guide** button, **Netflix** button or **FreeView Play** button on the remote control.

To Switch the TV Off
• Press the **Control** button on the remote control.
• Press the **Control** button on the TV, the function menu will be displayed. The focus will be on the **Control** option. Press and hold the button for about 2 seconds to activate this option. The icon colour of the option changes when activated. The TV will turn off when the button is released.

To power down the TV completely, unplug the power cord from the mains socket.
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 IP+ is active. The LED can blink continuously or only 10 times 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 environment and depending on it may be displayed on the side of the store as an info banner. This option is intended only for store use. It is recommended to select **Home Mode** for home use. This option will be available in **Settings-System>More** menu and can be turned off/on later. Make your selection and press **OK** to continue.

The picture mode selection screen will then be displayed. In order for you to consume less energy and be more environmentally friendly, select

instead of the connected HDMI ports name (such as DVD Player, Recorder 1, etc.).

The TV remote is automatically able to perform the main functions after the connected HDMI source has been selected. To terminate this operation and control the TV via the remote again, 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.

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**. When **HDMI ARC** option is selected, CEC option will be set as **Enabled** automatically. If it is not already set. The TV speakers will be muted and the sound of the watched source will be provided from the connected sound system.

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

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 press **OK**. For quick access press **Home** button and then **Info** button.

By using the directional buttons select a desired category. Every category includes different topics. Select a topic and press **OK** to read instructions. To close the E-Manual screen press the **Exit** or **Home** button.

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

Settings Menu Content

Picture Menu Content

Mode	You can change the picture mode to suit your preference or requirements. Picture mode can be set to one of these options: Cinema , Game (optional), Sports , Dynamic and Natural .
Contrast	Adjusts the light and dark values on the screen.
Brightness	Adjusts the brightness values on the screen.
Sharpness	Sets the sharpness value for the objects displayed on the screen.
Colour	Sets the colour value, adjusting the colours.
Energy Saving	For setting the Energy Saving to Custom , Off , Minimum , Medium , Maximum , Auto , Screen off . Note: Available options may differ depending on the selected Mode .
Backlight	This setting controls the backlight level. The backlight function (located under the Energy Saving setting) will be inactive if the Energy Saving is set to an option other than Custom .
Picture Zoom	Sets the desired image size format.
Picture Shift	This option (located under the Picture Zoom setting) may be available depending on the picture format. Hit OK and press OK , then use directional buttons to shift the picture upwards or downwards.
PC Position	Appears only when the input source is set to VGA/PC.
Autoposition	If the image is not centred in VGA mode use this option to automatically adjust the position of the image. Press OK to start the auto adjustment.
H Position	This item shifts the image horizontally to the right hand side or left hand side of the screen.
V Position	This item shifts the image vertically towards the top or bottom of the screen.
Dot Clock	Dot Clock adjustments correct the interference that appear as vertical banding in dot intensive presentations like spreadsheets or paragraphs or text in smaller fonts.
Phase	Depending on the input source (computer etc.) you may see a hazy or noisy picture on the screen. You can use phase to get a clearer picture by trail and error.
Advanced Settings	
Dynamic Contrast	You can change the dynamic contrast ratio to desired value.
Colour Temp	Sets the desired colour temperature value. Cool , Normal , Warm and Custom options are available.
White Point	If the Colour Temp option is set as Custom , 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.
Blue Stretch	White colour enhancement function that makes white colour more cooler in order to make more bright picture. Set as On to enable.
Micro Dimming	Low , Medium , High and Off options are available. While Micro Dimming is active, it will enhance contrast locally for each defined zone.
Noise Reduction	Low , Medium , High and Off options are available. If the signal is weak and the picture is noisy, use the Noise Reduction setting to reduce the amount of noise.
Film Mode	Films are recorded at a different number of frames per second to normal television programmes. Turn this feature to Auto when you are watching films to see the fast motion, smoother clearly.
Skin Tone	Skin tone can be changed between -5 and 5.
Colour Shift	Adjust the desired colour tone.
Colour Tuner	Opens colour tuner settings. Set the Colour Tuner as enabled to adjust the Hue , Colour and Brightness values manually.
Gamut Mapping	You can use this option to set the range of colours displayed on your TV screen. When On , the TV will automatically set the colour range to the maximum colour capability as Off , the TV's maximum colour capability is used by default (recommended option). Note: The option may not be available depending on the TV model and its features.

HDMI Full Range	While watching from a HDMI source, this feature will be visible. You can use this feature to enhance blackness in the picture.
Reset	Resets the picture settings to factory default settings (except Game mode). <i>Note: In VGA/PC mode, some items in Picture menu will be unavailable; instead, VGA mode settings will be added to the Picture menu while in PC mode.</i>
Sound Menu Content	
Dolby Audio	Smart, Movie, Music, News and Off options will be available. Set as Off to disable. <i>Note: Some items in Sound menu will be greyed out and unavailable if set to an option other than Off.</i>
Sound Output	Sets the sound output preference. TV, SPDIF, HDMI ARC, Headphone Only and Lineout options are no sound options that extend through the selected output and the headphone jack. When you select Headphone Only through your TV using the headphone jack, you can select this option as Lineout . If you have connected headphones to the TV, set this option as Headphone Only . Please ensure before using headphones that this menu item is set to Headphone Only . If it is set to Lineout , the output from the headphone socket will be set to maximum which could damage your hearing. If HDMI ARC option is selected, CEC 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>
AVL (Automatic Volume Limiting)	Sets the sound to obtain fixed output level between programmes. If the Dolby Audio menu item is set to an option other than Off the AVL setting options will change. Auto, Night, Normal and Off options will be available. In Auto mode the TV will switch to Normal or Night mode automatically according to the current time information. If no time information is available this option will always function as Normal . When the TV switches to Night mode for the first time after setting this option as Auto , an information bar will pop up on the screen. Please note that compared to Normal mode Night mode provides more aggressive dynamic compression control which is suitable for silent environments.
Advanced Settings	
Equalizer	Sets the equalizer mode. Custom settings can be made only when in User mode.
Dynamic Bass	Enables or disables the Dynamic Bass.
Surround Sound	Surround Sound mode can be changed as On or Off .
Sound Mode	You can select a sound mode (if the viewed channel supports).
Digital Out	Sets digital out audio type.
Headphone	Sets headphone volume. This option will not be available if the Sound Output option is set as Lineout . Please ensure before using headphones that the headphone volume is set to a low level, to prevent damage to your hearing.
Balance	Sets sound balance. This feature will be activated if Sound Output option is set as TV or Headphone Only . Balance item adjusts the balance level of the TV speakers and headphones together.
Reset	Resets some of the sound settings to factory defaults.

Network Menu Content	
Network Type	Disable the network connection or change the connection type.
Scan Wireless Networks	Start a search for wireless networks. This option will be available if the Network Type is set as Wireless Device .
Press WPS on your wifi router	If your modem/router device has WPS, you can directly connect to it using this option. Highlight this option and press OK . Go to your modem/router device and press the WPS button on it to make the connection. This option will be available if the Network Type is set as Wireless Device .
Internet Speed Test	Start a speed test to check your connection bandwidth. The result will be displayed on the screen when finished.
Advanced Settings	Change the IP and DNS configurations of your TV.
Networked Standby Mode	Enable or disable this feature by setting it as On or Off .

Note: For detailed information on the options of this menu refer to the Connectivity section.

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

System Menu Content	Controls conditional access modules when available.
Conditional Access	You may set a different language depending on the broadcaster and the country.
Language	Manage your privacy privileges for smart TV related applications. Press OK to enter the menu and set according to your preferences.
Privacy Settings	Enter correct PIN to change parental settings. You can easily adjust Menu Lock , Maturity Lock , Child Lock , Internet Lock & Guidance in this menu. You can also set a new PIN or change the Default CICAM PIN using the related options. <i>Note: Some menu options may not be available depending on the country selection in the First Time Installation. Default PIN could have been set to 0000 or 1234. If you have defined the PIN (as requested depending on the country selection) during the First Time Installation use the PIN that you have defined.</i>
Parental	Sets date and time.
Date/Time	Edits the names, enable or disable selected source options.
Sources	Displays accessibility options of the TV.
Accessibility	Increase the contrast of the menu options and texts to make them easier to read. White Text , Yellow Text and Off options will be available.
High Contrast	Enables any special feature sent from the broadcaster.
Hard of Hearing	A narration track will be played for the blind or visually impaired audience. Press OK to see all available Audio Description menu options. This feature is available only if the broadcaster supports it.
Audio Description	This feature provides sound post-processing options for speech-gated dialogue enhancement. Off , Low , Medium and High options will be available. Set according to your preference. <i>Note: This feature has an effect only if input audio format is AC and this effect only applies to TV loudspeaker output.</i>
Dialogue Enhancement	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 On . This option may not be available depending on the model of your TV and is only visible when the source is set to TV .
Spoken Subtitles	Enables the use of button combinations to magnify the screen. On and Off options will be available. Set as On to enable.
Magnification	Magnification support will be enabled or disabled with long-press of the numeric button 5. First top-left quadrant of the screen will be zoomed. After the magnification support is enabled, long-press of the numeric buttons 2, 4, 6, 8 will move the zoomed area to up, left, right and down.
Minimap	Minimap is enabled and deactivated by default. It will be activated when Magnification feature is enabled. With this option, you can prevent magnification feature from displaying the minimap.
Click Sound	This option enables the key click sound on TV menu. Set to On to enable.
Highlight programmes with	
[S] Subtitle	If this option is enabled and if any electronic programme guide event has "Subtitle" access service, these events will be highlighted with another colour.
[SL] Sign Language	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.
[AD] Audio Description	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.

Netflix	If this feature is supported by your TV, you can view your ESN(*) number and deactivate Netflix. (*) ESN number is an unique ID number for Netflix, created especially to identify your TV. 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, view Samba TV's 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 Settings->System->Privacy Settings menu by checking or unchecking the check box next to the related item. 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.
Samba ACR	With this setting you can enable and disable CEC functionality completely. Press Left or Right button to enable or disable the feature. This function allows the connected HDMI-CEC compatible Press Left or Right button to enable or disable the feature. 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.
Device Settings	
CEC	Starts the setup process for this feature manually. If the setup is priority completed Alexa Language , Alexa On Standby , Alexa Alarm Volume and Sign Out options will be available. Refer to Alexa Ready section for more information.
CEC Auto Power On	Enables or disables Alexa On Standby Mode feature. If enabled Alexa will be available while the TV is in standby mode. <i>Note: This feature may affect your TV's power consumption.</i>
No Signal Timer	Sets the volume level for Alexa alarms.
Voice Assistant	You can use this option to sign out. If you sign out Alexa Built-in feature will be disabled.
Alexa Built-in	Starts the setup process for this feature manually. If the setup is priority completed Friendly Name and Sign Out options will be available. Refer to Alexa Ready section for more information.
Alexa Language	You can define a new name for your TV using this option.
Alexa On Standby Mode	You can use this option to sign out. If you sign out Works With Alexa feature will be disabled.
Alexa Alarm Volume	Displays other setting options of the TV.
Sign Out	Changes timeout duration for menu screens.
Works With Alexa	If set as Off the standby mode LED will not light up when the TV is in standby mode.
Friendly Name	You can enable or disable this feature by setting it as On or Off . If set as On you can use your TV as a digital picture frame. Refer to the Standby Mode Picture section for detailed information.
Sign Out	Ensures that your TV has the latest software. Press OK to see the menu options.
More	Displays current software version.
Menu Timeout	
Standby Mode LED	
Standby Mode Picture	
Software Upgrade	
Application Version	

Auto Power Down	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 Off .
Store Mode	Select this mode for store display purposes. Whilst Store Mode is enabled, some items in the TV menu may not be available.
Audio Video Sharing	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/play photos, music and videos on your TV. See instructions of your sharing software for more information.
Power-Up Mode	This setting configures the power-up mode preference. Last State and Standby Mode options are available.
Virtual Remote	Enable or disable the virtual remote feature.
OSS	Displays Open Source Software licence information.
Application Priority	You can set your preference regarding the priority between the broadcast applications and CICAM App/MI 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.

Note: Some options may not be available depending on the model of your TV 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 to be listed by using the **Channels** menu options. Press the **OK** button to open the channel list. You can filter the listed channels or make advanced changes in the current list using the **Filter** and **Edit** tab options. Highlight the tab you want and press **OK** to see available options.

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 also use the **Tag!** menu 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.

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** menu 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 some of the MHEG applications. Disabled applications can be released by entering the right PIN.

Maturity Lock: If this option is set, 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 as France, Italy 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 signal.

(*) This feature may not be available depending on the model of your TV and the selected country in the First Time Installation.

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 (as 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 with the selected criteria.

Matching results will be listed.

Now: Displays current event of the highlighted channel.

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 lab 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.

Set Timer on Event/Delete Timer on Event: Select **Set 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.

Notes: You cannot switch to any other 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 the 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.

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 the **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 message will be displayed. Press **OK** button to complete software upgrade process and restart TV.

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.

Poor 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?

No sound

- Are suitable plugs used to connect the antenna?
- if you are in doubt, consult your dealer.

- Check if the TV sound is muted. Press the **Mute** button or increase the volume to check.
- Sound may be coming from only one speaker. Check the balance settings from **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.

The image is not centred in VGA source

To have your TV automatically centre the image, enter the **PC Position** menu in **Picture** menu, highlight **Autoposition** and press **OK**. Wait for it to finish. In order to set the position of the image manually you can use **Position** and **V Position** options. Select the desired option and use **Left** and **Right** directional buttons on the remote to set.

PC Input Typical Display Modes

The following table is an illustration of some of the typical video display modes. Your TV may not support all resolutions.

Index	Resolution	Frequency
1	640x480	60Hz
2	640x480	75Hz
3	800x600	60Hz
4	800x600	60Hz
5	800x600	72Hz
6	800x600	75Hz
7	1024x768	60Hz
8	1024x768	70Hz
9	1024x768	75Hz
10	1152x864	75Hz
11	1280x768	60Hz
12	1360x768	60Hz
13	1360x860	60Hz
14	1280x1024	60Hz
15	1280x1024	75Hz
16	1400x1050	60Hz
17	1440x900	60Hz
18	1440x900	75Hz
19	1920x1080	60Hz

(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.

Source	Supported Signals	Available
Back AV	PAL	O
	SECAM	O
	NTSC4.43	O
YPbPr	NTSC3.58	O
	480i_480p	60Hz
	576i_576p	50Hz
HDMI	720p	50Hz,60Hz
	1080i	50Hz,60Hz
	1080p	24Hz, 25Hz, 30Hz, 50Hz, 60Hz

Supported File Formats for USB Mode

Video File Formats		Max. Resolution & Frame Rate & Bit Rate
Extension	Video Codec	
.mpeg, .mpeg, .dat, .vob	MPEG1/2, H.264, VC1	
.ls, .trp, .m2ts		
.avi	MPEG1/2, MPEG4, H.264, MJPEG	
.mp4, .m4a, .mkv, .mov, .dtl, .3gp, .3gp, .3gpp	MPEG1/2, H.263, MPEG4, H.264	
.mkv	MPEG 1/2, MPEG4, H.264	H.264: 1080Px2@30fps - 50Mbps, 1080P@60fps - 50Mbps Other: 1080P@60fps - 50Mbps
.flv	Sorenson Sp, MPEG4, H.264	
.flv, .wmv	MPEG4, WMV3, VC1	
.wmam	VP9, VP8	
.mp4, .mov, .3gpp, .3gp, .ls, .trp, .tp, .mkv	HEVC/H.265	

Picture File Formats

Extension	Specification	Resolution (width x height)
.jpg, .jpeg	Baseline	8192 x 8192
	Progressive	3000 x 3000
.bmp	RGB 1/48/16/24/32 bit	
	RLE 4/8 bit	
.png	Grayscale, 24/32 bit per pixel	8192 x 8192
	Interface format	
	Progressive	

Audio File Formats

Extension	Format
.mp3	mp3
.aac3	aac3
.aac	AAC
.wma	WMA
.amr	AMR-NB, AMR-WB
.wav	MPEG Lta, AAC, PCM

Subtitle File Formats

Extension	Specification
.ssa	SubStation Alpha
.ass	Advanced SubStation Alpha
.srt	Subrippler
.sub	Micro DVD / SubViewer
.sub + .idx	VOBSub
.bt	Micro DVD / TMPPlayer / MPL2
.mpl	MPL2
.sml	Sami
.jss	JACOSUB
.ttml	TTML
.bt / .sub	DVDSUBTITLE
.jrc	-

Internal Subtitles

Extension	Specification
.mkv	VOBSub
.mkv	ASS / SSA / TEXT
.dat, .mpg, .mpeg, .vob	DVD Subtitle
.mp4	DVD Subtitle, TEXT

Supported DVI Resolutions

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

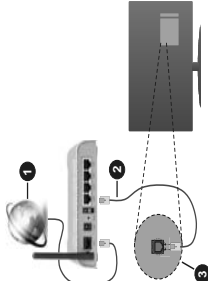
	56Hz	60Hz	66Hz	70Hz	72Hz	75Hz
640x480						
640x480		x	x	x	x	x
800x600	x	x	x	x	x	x
832x624						x
1024x768		x	x	x	x	x
1152x864		x	x	x	x	x
1152x870						x
1280x768		x				x
1366x768		x				
1280x800		x				x
1280x1024		x				x
1400x1050		x				x
144x6200		x				x
1600x1200		x				x
1800x1050		x				
1920x1080		x				

Connectivity

Wired Connectivity

To Connect to a Wired Network

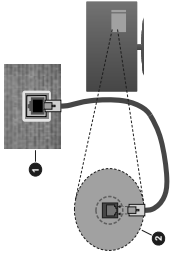
- You must have a modem/router connected to an active broadband connection.
- Connect your TV to your modem/router via an Ethernet cable. There is a LAN port at the rear (back) of your TV.



1. Broadband ISP connection
2. LAN (Ethernet) cable
3. LAN input on the rear side of the TV

To configure wired settings refer to the Network section in the Settings menu.

- 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.



1. Network wall socket
2. LAN input on the rear side of the TV

Configuring Wired Device Settings

Network Type

- The **Network Type** can be selected as **Wired Device**, **Wireless Device** or **Disabled**, in accordance with the active connection to the TV set. Select this as **Wired Device** if you are connecting via an Ethernet cable.

Internet Speed Test

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

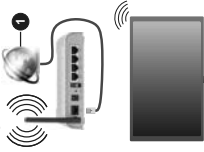
Advanced Settings

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.

Wireless Connectivity

To Connect to a Wireless Network

The TV cannot detect networks with a hidden SSID. To make your network's SSID visible, you should change your SSID settings via the modem's software.



1. 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 product that you use. The transmission may also be cut off or may get disconnected depending on the use conditions (DECT phones or any other devices using the same frequency band).
- The transmission speed 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 Wireless feature of the TV supports 802.11 a,b,g & n type networks. It is highly recommended that you should use the IEEE 802.11n configuration 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

Open the **Network** menu and select **Network Types** **Wireless Device** to start connection process.

Highlight **Scan Wireless Networks** option and press **OK** to start a search for available wireless networks.

All found networks will be listed. Highlight your 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 via 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. To disconnect from a wireless network, highlight **Network Type** and press Left or Right buttons to set as **Disabled**.

If your router has WPS, you can directly connect to the modem/router without entering a password or adding the network first. Highlight **Press WPS on your 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 confirmation is required.

Highlight **Internet Speed Test** and press the **OK** button to check your internet connection speed. Highlight **Advanced Settings** and press the **OK** button to open the advanced setting menu. Use directional and numeric buttons to set. 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** and the current IP address, if a connection is established.

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 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 devices 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 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.

Your TV is **Wol**, and **WoWLAN** compatible. This feature might be disabled during the **First Time Installation** process. 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.

The performance of some devices in the market, may vary due to the software architecture. In order to use **Networked Standby Mode** feature with a better performance, please make sure that your device has latest firmware version.

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**.

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 Troubleshooting 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 internal 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 makes 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 in 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 on 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 **Wired/Wireless Connectivity** sections for detailed configuration information.

3. Enable Audio Video Sharing

Enter the **Settings>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 then be 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. PC/HDD/Media Player or any other devices 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 use 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. Highlight an app in the **Home** menu to launch.

In order to manage the apps installed on your TV, you can 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, highlight the **Market** option in the **TV** menu and press **OK**. You can also access the application market from within the **More Apps** menu.

You can reset your customisations on the **Home** menu, including app-related ones (default settings) using the **Reset Apps** option in the TV menu (availability depends on TV 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 after the next firmware update the operation again within the next few weeks.

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

Freeview Play Platform

Freeview Play platform provides catch-up TV and On Demand content from your remote control to connect to the Freeview Play platform.

The Freeview Play platform can also be accessed from the TV menu. Press **Home** button and select **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 application will be displayed. Select one and press the **OK** button. Then select a button to watch content you want to play back and press the **OK** button to launch.

Catch-up content can also be accessed and played back directly from the TV Guide. Refer to the information in the **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 connect towards any monthly broadband data 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 pre-defined (if any) links to web sites available will be displayed as **Speed Dial** options along with the **Edit Speed Dial** and **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**, **Tabs** and **Bookmarks** options and the browser bar which contains previous/next buttons, the refresh button, the address/search bar, the **Speed Dial** and the **View** 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. The **Speed Dial** menu will appear. Highlight the **Speed Dial** option and press the **OK** button. The **Add to Speed Dial** option will appear. Highlight the **Add to Speed Dial** option and press the **OK** button. Fill in the blanks for **Name** and **Address**, highlight **OK** and press the **OK** button to add. Whilst you are on the site you wish to add, highlight the **Speed Dial** list, highlight the **View** button and press the **OK** button. Then highlight **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 **View** menu options to manage the browser. Highlight the **View** 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 **Enter** button on the virtual keyboard and press the **OK** button to visit the site.

Enter keywords into the search/address bar and highlight the **Enter** 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 adaptor into the USB input of 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.

HBTV System

HBTV (Hybrid Broadcast Broadband TV) is a new industry standard that seamlessly combines TV services delivered via broadcast with services delivered via broadband and also enables access to internet only services for consumers using connected TVs and set-top boxes. Services delivered through HBTV include traditional broadcast TV channels, catch-up services, video-on-demand, electronic programme guide, social networking and other multimedia applications.

HBTV applications are available on channels written in the HD format. The address/search bar, the **Speed Dial** and the **View** buttons are available. The autostart started by the platform automatically. The autostart

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 streaming feature **Audio Video Sharing** option should be enabled (if available). Press the **Home** button and press **OK**. Highlight **Audio Video Sharing** menu 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 the **Refresh** widget. 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 (available) and reminders through this tab. To delete them, simply press on the delete icon found on each row.

EPG (Electronic programme guide): You can view the broadcast schedules of selected channel list through this tab. You can also navigate through channels by pressing on the selected channel on the EPG grid. Please note that updating / refreshing the EPG information may take a while depending on your network and web service quality.

Note: Internet connection is required for WEB based EPG information.

SETTINGS: Configure the application to your liking. You can change;

Auto-lock (Only in iOS): The screen of the device automatically turns off after a certain amount of time. Default is 10 min, which means the screen will always stay on.

Auto-enable FollowMeTV: FollowMeTV function (if available) will start automatically when this setting is enabled. Default is disabled.

Auto-connection to TV: When enabled, your mobile device will automatically connect to the last connected TV and skips the TV search screen.

Smart Remote Feature

You can use your mobile device as a remote control for your TV. Once it has connected to the TV, you can use the **Up**-arrow on the bottom left side of the screen.

Voice Recognition

You can tap on the **Microphone** widget and manage your application, giving voice commands such as "Volume Up/Down", "Programme Up/Down".

Note: This feature is only for Android based device available.

Keyboard Page

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

Requirements

1. Smart TV connection
2. Network connection
3. Mobile Device based on Android, iOS platform (Android OS 4.0 or higher, iOS 6 or higher version)
4. Smart Center app. (to be found on online application stores based 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, Motorola (hdpi), LG (hdpi) and Extra Large (xhdpi) 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 Built-in

Alexa is Amazon's cloud-based voice service available on many voice controlled assistant devices. By means of the Alexa Built-in and Works With Alexa features you can use your TV as an Alexa device and control the functions of your TV with Alexa.

Alexa Built-in

You can use your TV as an Alexa device. In order to do this, a Microphone BoxTM will be required. After connecting your Microphone Box to your TV (the setup process should be completed). The setup can be carried out in the ways described below.

(1) The Microphone Box can be purchased separately, if not supplied with the TV. For more information contact your local dealer or retail outlet where you bought your TV.

- Connect your Microphone Box to your TV
- Use the Alexa Built-in option in the **Settings-System** menu
- Carry out first time installation on your TV. The setup wizard will be displayed after the installation process is completed

Change TV (Only in iOS): Shows the currently connected TV. You can press on this setting to go to the TV search screen and change to a different TV.

Edit custom channel list: You can edit your custom channel list using this setting.

Choose channel list source: You can choose the channel list source to be used in the application. The options are "TV List" and "Custom List". Additionally, you can activate "Remember my choice" option to select the channel list source as a constant choice. In this case the selected source is available will be used in the application.

Version No.: Displays the current version of the application.

Detail Page

To open detail page tap on a programme. On the detail page screen you can get detailed information of the programmes you select. There are "Details", "Cast&Crew" and "Videos" tabs to find on this page.

DETAILS: This tab provides summary and information about the selected programme. Also there are links to Facebook and Twitter pages of the programme selected.

CAST&CREW: Shows all the people contributed to the current programme.

VIDEOS: Provides videos on YouTube related to the selected programme.

Note: For some functions an internet connection may be required.

FollowMe TV Feature (if available)

Tap on the **FOLLOW ME TV** widget located at the bottom left of the screen of your mobile device to change the layout for FollowMe TV feature.

Tap the play icon to start streaming the content from the TV to your router's operational range.

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: Note that only digital (DVB-T/CS) 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.

applications are generally launched with a small red button icon 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. It should be noted that the red button switching capability is available only when the application may be launched in two different (other) red button modes, 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 subscreen 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 transmission, the platform can still launch applications transmitted on broadcast.

The subscreen red button applications generally provide links to other applications. The user then can switch to the other applications. 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.

Note: You can enable or disable this feature from the **Privacy Settings** menu in the **Settings-System** menu.

Smart Center

Smart Center is a mobile application running on iOS and Android platforms. With your tablet or phone, you can launch the application and use the same 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 use Smart Center features, connections have to be done properly. To be able to use internet based

The wizard will guide you through the setup process. Refer to the user manual of the Microphone Box for detailed information.

Works With Alexa

You can control the functions of your TV with Alexa. In order to do this, the setup process should be completed. The setup can be carried out in the ways described below.

- Use the **Works With Alexa** option in the **Settings-System>Voice Assistant** menu

- Carry out first time installation on your TV. The setup wizard will be displayed after the installation process is completed

Setup process

- The wizard will guide you through the setup process. If you carry out first time installation on your TV, the Alexa setup wizard will be displayed after the installation process is completed. On the first screen highlight **Learn More** option and press **OK**. On the next screen you will be informed about the feature. Highlight **Start** and press **OK** to proceed.

If you skip the setup wizard after the first time installation you can use the **Works With Alexa** option in the **Settings-System>Voice Assistant** menu to carry out the setup later manually. 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-say 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.

If you carried out the setup after the first time installation you will return to the first screen of the setup wizard when you press **OK**. In that case press **Exit** or highlight **Setup Later** and press **OK** in order to exit 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 FN	Powers on the TV
Alexa, turn off FN	Powers off the TV
Alexa, play FN	Starts media playback
Alexa, pause FN	Pauses media playback
Alexa, resume FN	Resumes media playback
Alexa, stop FN	Stops media playback
Alexa, fast forward on FN	Advances media in fast forward mode
Alexa, rewind on FN	Rewinds media
Alexa, set the volume of FN to 50	Sets the volume to the specified level
Alexa, turn the volume up on FN	Increases volume by 10 units
Alexa, turn the volume down on FN	Decreases volume by 10 units
Alexa, mute FN	Mutes sound
Alexa, unmute FN	Unmutes sound
Alexa, change the input to the specified channel name (e.g. HDMI 1)	The TV switches to the specified channel (e.g. HDMI 1)
Alexa, change channel to "channel_number" on FN	The TV switches to the specified channel number (e.g. channel 200)
Alexa, change channel to "channel_name" on FN	The TV switches to the specified channel with the specified channel name
Alexa, channel up on FN	The TV switches to the next available channel, if any
Alexa, channel down on FN	The TV switches to the previous available channel, if any
Alexa, next channel on FN	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.

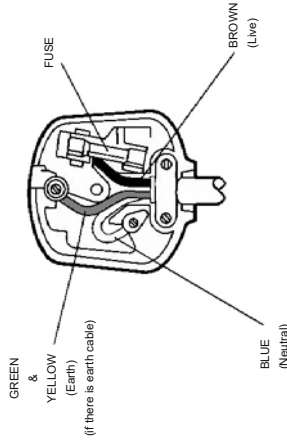
For advice on where to purchase accessories, please contact the store where you purchased your equipment.

Important instructions

For your own safety read the following instructions carefully before attempting to connect this unit to the mains supply.

MAINS (AC) OPERATION

The wires in the mains lead are coloured in accordance with the following code :

**IMPORTANT**

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

- The wire which is coloured green and yellow must be connected to the terminal which is marked with the letter E, or by the earth symbol, or coloured green or green and yellow.
 - The wire which is coloured blue or black must be connected to the terminal which is marked with the letter N or coloured Black.
 - The wire which is coloured brown or red must be connected to the terminal which is marked with the letter L or coloured Red.
- For continued protection against risk of fire, replace only with same type and rating of fuse (ASTA approved 5A 250VAC fuses).

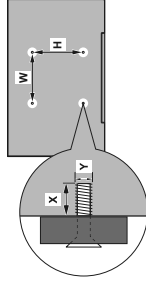
CAUTION

TO PREVENT ELECTRIC SHOCK DISCONNECT FROM THE MAINS BEFORE REMOVING COVER. NO USER SERVICE/CABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

SAFETY PRECAUTION

THIS EQUIPMENT MUST BE DISCONNECTED FROM THE MAINS WHEN NOT IN USE. DO NOT ALLOW THIS UNIT TO BE EXPOSED TO RAIN OR MOISTURE.

VESA WALL MOUNT MEASUREMENTS			
Hole Pattern Sizes (mm)	W	H	
	75	75	
Screw Sizes			
	min. (mm)	7	
Length (M)	max. (mm)		8
	Thread (V)	M4	



Hereby, VESTEL Elektronik, Sanayi 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.vosshub.com

CE UK
CA



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