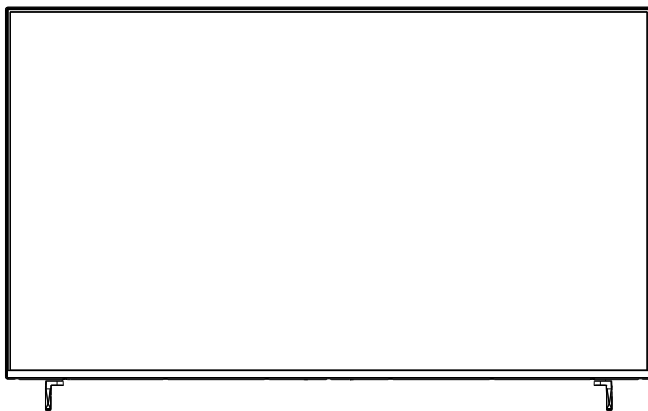


# WALKER

## OPERATING INSTRUCTIONS



# WP4K65241BRD

COLOUR TELEVISION WITH REMOTE CONTROL

**SAORVIEW**


**HDMI**<sup>™</sup>  
HIGH-DEFINITION MULTIMEDIA INTERFACE

[www.glendimplexireland.com](http://www.glendimplexireland.com)




<b>Contents</b> .....	31
<b>Wired Connectivity</b> .....	31
Wireless Connectivity.....	31
Networked Standby Mode.....	33
Wireless Display.....	33
Connectivity Troubleshooting.....	33
Ultra HD (UHD).....	4
High Dynamic Range (HDR) / Hybrid Log-Gamma (HLG).....	4
Dolby Vision.....	4
Accessories Included.....	4
Internet Browser.....	4
HBBTV System.....	4
Smart Center.....	35
<b>DVB functionality information</b> .....	37
Markings on the Product.....	2
Environmental Information.....	4
Features.....	4
Using Audio Video Sharing Network Service.....	4
Using the Channel List.....	25
Configuring Parental Settings.....	25
Electronic Programme Guide.....	25
Teletext Services.....	26
Software Upgrade.....	26
Troubleshooting & Tips.....	26
HDMI Signal Compatibility.....	27
Supported File Formats for USB Mode.....	28
Video File Formats.....	28
Picture File Formats.....	28
Audio File Formats.....	28
Subtitle File Formats.....	29
Supported DVI Resolutions.....	30
Connectivity.....	31

## Safety Information



**CAUTION**  
RISK OF ELECTRIC SHOCK  
READ MANUAL



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

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

In extreme weather (storms, lightning) and long inactivity periods (going on holiday) disconnect the TV set from the mains. The mains plug is used to disconnect 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 unit).
- 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 tilting. Do not over-tighten the screws and mount the stand rubbers properly.
- Do not dispose of the batteries in fire or with hazardous or flammable materials.

## WARNING

- Batteries must not be exposed to excessive heat such as sunshine, fire or the like.
- Excessive sound pressure, from earphones or headphones can cause hearing loss.

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

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

## 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 reasonably foreseeable conditions of operation.



## WARNING

- Do not ingest the battery. Chemical Burn Hazard.
- This product or its accessories supplied with the product may contain a contribution of lead battery. If the contribution cell battery is swallowed, it can cause severe internal 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 think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

A television may fall, causing serious personal injury or property damage. The television should be secured to the wall. Product design and specifications may be changed without notice.

- 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 your television 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 or on a surface that is not level. Do not place the television set on a surface that is not level and is not anchored both to 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 top of the television or furniture on which the television is placed.
- The equipment is only suitable for mounting at heights 52 cm.
- 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 MANNS connection of the earthing system. The MANNS connection is a protective earthing – and to a television distribution system using coaxial cable, may in some circumstances create a fire hazard. Connection to a television distribution system has therefore to be provided through a 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 may differ slightly from those shown in the actual product. 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 adjust the energy consumption accordingly. Set as **Off** to turn this setting off. If you like to set the backlight to a fixed value set as **Custom**, highlight **Backlight** (will be located under the **Energy Saving** setting) and then adjust manually using the Left or Right directional buttons on the remote.

*Note: Available Energy Saving options may differ depending on the selected Mode in the Settings-Picture menu.*

The **Energy Saving** settings can be found in the **Settings-Picture** menu. Go to Home screen and highlight **Settings** in the Navigation Carouse and press **OK** to access the **Settings** menu. Note that some picture settings will be unavailable to be changed.

You can also turn the screen off using the **Screen Off** option, if you want to hear the sound only and don't need to watch. If pressed Right button or Left button consecutively **Screen Off** option will be selected and 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 be 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 or stop the energy consumption.

## Features

- Remote controlled colour TV
- Fully integrated digital terrestrial/cable/satellite TV (DVB-T/T2/C/S-S2)
- HDMI inputs to connect other devices with HDMI sockets

## USB input

- OSD menu system
- Stereo sound system
- Teletext
- 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
- AV (Automatic Volume Limiting)
- PLL (Frequency Search)
- Game Mode (Optional)
- Picture off function
- Programme recording
- Programme timeshifting
- Ethernet (LAN) for internet connectivity and service
- 802.11 ab/g/n built in WLAN Support
- Audio Video Sharing
- HBBTV

## Ultra HD (UHD)

TV supports Ultra HD (Ultra High Definition - also known as 4K) which provides resolution of 3840 x 2160 (4K/2K). It equals 4 times the resolution of Full HD TV by doubling the pixel count of the Full HD content both horizontally and vertically. Ultra HD content is supported via native and market applications, HDMI, USB input(s) and over DVB-T2 and DVB-S2 broadcasts.

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

Using this feature the TV can reproduce greater dynamic range of luminosity by capturing and then combining several different exposures. HDR/HLG provides more realistic colour and other improvements. It delivers the look that filmmakers intended to achieve, showing the hidden areas of dark shadows and sunlight with full clarity, colour and detail. HDR/HLG content is supported via native

and market applications. HDMI, USB inputs and over DVB-S broadcasts. Set the related HDMI input as **Enhanced** from the **Source** option in the **Settings-System** menu in order to watch HDR/HLG content. If the HDR/HLG content is received through an HDMI input. The source device should also be at least HDMI 2.0a compatible in this case.

## Dolby Vision

Dolby Vision™ delivers a dramatic visual experience, astonishing brightness, exceptional contrast, and vivid colour, that brings entertainment to life. It achieves this stunning image quality by combining HDR and wide colour gamut imaging technologies. By increasing the brightness of the original signal and using a higher dynamic colour and contrast range, Dolby Vision presents amazing true-to-life images with stunning detail that other post-processing technologies in the TV aren't able to produce. Dolby Vision is supported via HDMI and over DVB-S2 broadcasts. Set the related HDMI source input as **Enhanced** from the **Source** option in the **Settings-System** menu in order to watch Dolby Vision content. If the Dolby Vision content is received through an HDMI input. The source device should also be at least HDMI 2.0a compatible in this case. In the **Settings-Pictures-Mode** menu two predefined picture modes will be available if Dolby Vision content is detected: **Dolby Vision Bright** and **Dolby Vision Dark**. Both allow the user to experience the content in the way the creator originally intended with different ambient lighting conditions.

## Accessories Included

- Remote Control
- Batteries: 2 x AAA
- Operating Instructions
- 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-Menu** as **On**. This option is set as **Off** by default. You can also define interval for standby mode picture slideshow using the **Standby Mode Picture** interval option in this menu.

• Create a separate folder named as **standby\_picture** in the USB storage device's root directory and copy in 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 buttons to switch the TV into standby mode while the TV is in normal operating mode.

If there are 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 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 briefly.

Beside the remote control you can also use the control unit on the TV to switch into standby mode picture state and back to normal operating mode. In order to do that follow the same instructions as described in the **TV Control & 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 unit on the TV while the TV is in standby mode picture state. **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 **Timer of No Signal** option in the **Settings-Devices** menu accordingly.

The **Auto Power Down** option (in the **Settings-Signal & Move**) 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 and not been operated during the set time, it will switch into standby mode after the set time has elapsed. When you next switch on the TV, the following message will be displayed: **"TV switched to stand-by mode automatically because no operation 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 immediately. 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 set as **Off**. You can enable this function again by

The icon colour of the option changes when activated. Then press the button to switch to the next or previous channel in the channel list.

**To change source:** Press the control button to display the function options menu and then press the button consecutively to move the focus to **Source** option. Press and hold the button for about 2 seconds to activate this option. The icon colour of the option changes when activated. Then press the button once again to display the source list through which available programs 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 **TW** button on your remote control to display Home screen. Use the directional buttons and **OK** button to navigate and set. Press **Back/Return** 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.

#### Reset and Power Off via Standby Button

Press and hold the **Standby** button to see additional options for this **Reset/Standby** (Normal Standby) and **Power Off** (Forced Standby) options will be available. Highlight one and press **OK** to perform the selected action. If a problem occurs that prevents the TV from switching into standby mode properly, you can use the **Power off** option to force the TV to switch into standby mode.

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 5 seconds. This will terminate the process.

#### Watching TV

##### 1. Home

The Home screen is your starting point for browsing. It gathers all the TV shows and movies that matter to you - Trending titles on all your streaming apps, recently watched shows, live TV channels, and recommended shows based on your ratings and viewing habits.

Content in each carousel changes dynamically based on your usage. Even carousel categories update on a regular basis. For example, if you have been based on what you've been watching, you might see a Comedy, Movies or Health & Fitness carousel one day and an Oscar Winners carousel a few days later.

#### 1.1. My Apps Carousel

The **My Apps** carousel on the Home screen contains all the apps from which TiVo OS is making TV show and movie recommendations. You can select the apps that appear here on the **Manage Apps** screen.

When you prefer searching and browsing for shows within an app, select the app in this carousel and press **OK** on your remote control to open it.

#### 1.2. Manage Apps Screen

Use the **Manage Apps** screen to control which apps TiVo OS uses to recommend titles from on the Home, TV Shows, and Movies screens. The apps you select display in the **My Apps** carousel on the Home screen. Your app selections do not affect text and voice search results. TiVo OS shows results from all apps to help you find what you want to watch. When an app you're not using has the title, you can then decide to sign up for it.

#### 2. Navigation Carousel

The **Navigation** carousel on the Home screen gives you easy access to common features: **Guide**, **All Apps**, **Sources**, **Channel List**, **Recordings** (depends on the model), **Timers**, and **Settings**.

#### 3. Browse Screens

Selecting **Free**, **TV Shows**, **Movies**, and **Watchlist** in the Main Menu to focus your browsing on those content types.

#### 4. Content Details

When you find content that interests you, highlight it and press **OK** on your remote control to view details about it. You can also learn about cast and crew, and see recommendations for similar content.

#### 4.1. Watch Now

Choose to watch the show from any of your selected applications that have the show available. These are the applications you enabled for recommendations on the **Manage Apps** screen. Others that have the content display in the More Ways to Watch.

#### 4.2. Watchlist

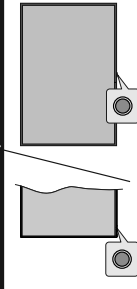
Use the **Watchlist** to save shows you want to start or continue watching later and features to return to. What you add helps personalise recommendations for you.

The titles you add also appear in a **Watchlist** carousel on the Home screen. The plus changes to a bookmark. To add a show, select **+**. **Watchlist** on its Content Details screen. The plus changes to a bookmark. To remove a show, go to the Content Details screen and select **Watchlist**. The bookmark changes to a plus.

#### 4.3. Rate

Tell TiVo OS how you feel about a TV show or movie with a **Thumbs Up** or **Thumbs Down**. In return you'll get recommendations that better reflect what you enjoy

#### TV Control Button & Operation



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

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

#### Operating with the Control Button

- 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 deactivate the last activated option first. Press and hold the button to deactivate it. The icon colour of the option changes when deactivated.
- To close the function options menu do not press the button for a period of about 5 seconds. The function options menu will disappear.

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

**To turn on the TV:** Press the control button, the TV will turn on.

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

**To change channel:** Press the control button to display the function options menu and then press the button consecutively to move the focus to **Programme +/ -** or **Programme -** option. Press and hold the button for about 2 seconds to activate the selected option.

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

**To change channel:** Press the control button to display the function options menu and then press the button consecutively to move the focus to **Programme +/ -** or **Programme -** option. Press and hold the button for about 2 seconds to activate the selected option.

watching. Go to the Content Details screen of a show and select **Rate**, **Check Out**, **Like**, **Up** or **Thumbs Down**. Content that you rate **Thumbs Down** will no longer appear in recommendations.

#### 4.4. Report Content

Go to the Content Details screen of a show and select flag. Report content screen will be displayed. After selecting the pre-defined reasons that suit you, highlight **Report** and press **OK**. You can also select the **Something else** option and enter your reason using the virtual keyboard in case the pre-defined reasons do not suit you.

#### 4.5. Browse All Episodes

Select **Episodes** on the Content Details screen for an episodic TV show series to see its episodes ordered by season.

#### 5. Text Search

Select **Search** in the Main Menu to search for movies and TV shows across all your applications. Press **OK** and enter a title or actor using the virtual keyboard. Then highlight **Done** and press **OK** to start the search. Results display on the screen. Highlight the desired result using the directional buttons and press **OK** to open.

#### 6. Need Help?

Get answers to common questions and learn to experience the most from Tivo OS at: <https://www.tivo.com/support>

#### Inserting the Batteries into the Remote

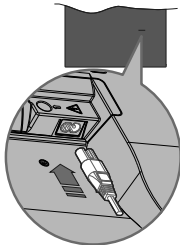
The remote may have a screw that secures the battery compartment cover on the remote control (or this may be a separate cap). Remove the screw, then the cover is open. The battery cover is on the back of the battery compartment. Insert two 1.5V-size AAA batteries. Make sure the (+) and (-) signs match (observing correct polarity). Do not mix old and new batteries. Replace only with same or equivalent type. Place the cover back on. Secure the cover again with the screw, if any.

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

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

#### Power Connection

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



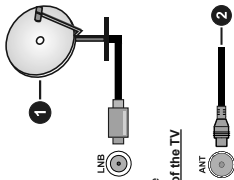
Plug one end (the two-hole plug) of the supplied detachable power cord into the power cord inlet on the rear side of the TV as shown above. Then plug the other end of the power cord into the mains socket outlet.

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

#### Antenna Connection

Connect the aerial or cable TV plug to the aerial input (ANT) socket located on the left side of the TV, or satellite plug to the satellite input (LNB) socket located on the rear side of the TV.


#### Rear side of the TV



1. Satellite

#### Left side of the TV

1. Aerial or cable

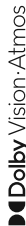
 If you want to connect a device to the TV, make sure that both the TV and the device are turned off before making any connection. After the connection is done, you can turn on the units and use them.

#### License Notification

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



Dolby, Dolby Vision, Dolby Atmos, and the double-D symbol are registered trademarks of Dolby Laboratories Licensing Corporation. Manufactured under license from Dolby Laboratories. Confidential unpublished works. Copyright © 2012-2022 Dolby Laboratories. All rights reserved.



YouTube and the YouTube logo are trademarks of Google Inc.

For DTS patents, see <http://patents.dts.com>. Manufacturer under license from DTS Licensing Limited, DTS, DTS-HD, M2000X, and the DTS logo are trademarks or registered trademarks of DTS, Inc. in the United States and other countries. © 2022 DTS, Inc. ALL RIGHTS RESERVED.



This product contains technology subject to certain intellectual property rights of Microsoft. Use or distribution of this technology outside of this product is prohibited without the appropriate license(s) from Microsoft.

Content owners use Microsoft PlayReady™ content access technology to protect their intellectual property, including copyrighted content. This device uses PlayReady™ technology to access PlayReady-protected content and/or WMDRM-protected content. If the device fails to properly enforce restrictions on content usage, content owners may require Microsoft to revoke the device's ability to consume PlayReady-protected content. Revocation should not affect unprotected content. Content protected by other content access technologies. Content protected by other content access technologies. PlayReady to access their content. If you decline an upgrade, you will not be able to access content that requires the upgrade.

The "Ci Plus" Logo is a trademark of CI Plus LLP. This product is protected by certain intellectual property rights of Microsoft Corporation. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft or an authorized Microsoft subsidiary.

#### Disposal Information

##### [European Union]

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

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

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

##### [Business users]

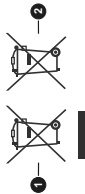
If you wish to dispose of this product, please contact your supplier and check the terms and conditions of the purchase contract.

##### [Other Countries outside the European Union]

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

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

Some collection points accept products free of charge. *Note: The sign P below the symbol for batteries indicates that this battery contains lead.*



1. Products

2. Battery

## Wireless LAN Transmitter Specifications

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

### Country Restrictions

The Wireless LAN equipment is intended for home and office use in all EU countries, 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 (and other countries following the relevant EU and/or UK directive). Public users is subject to general authorisation by the respective service provider.

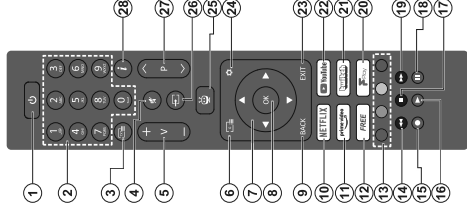
Country	Restriction
Russian Federation	Indoor use only

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 both 2.4 GHz and 5 GHz Wireless LAN's.

## Specification

TV Broadcasting	PAL, SECAM, DVB-C, DVB-S2
Receiving Channels	VHF (BAND III) - UHF (BAND U) - HYPERBAND Fully integrated digital terrestrial-cable-satellite (DVB-T, C-S) (DVB-T2, DVB-S2 compliant)
Digital Reception	
Number of Preset Channels	11 000
Channel Indicator	On Screen Display
RF Aerial Input	75 Ohm (unbalanced)
Operating Voltage	220-240V AC, 50Hz
Audio	DTS VirtualX DTS-HD
Audio Output Power (WRMS) (10% THD)	2 x 12
Power Consumption (W)	200
Networked Standby Mode Power Consumption (W)	< 2
TV Dimensions D x L x H (with stand) (mm)	242 x 1453 x 905
TV Dimensions D x L x H (without stand) (mm)	41/73 x 1453 x 836
Display	65"
Operation temperature and operation humidity	0°C up to 40°C, 85% humidity max

## Remote Control



- 10. Netflix:** Launches the Netflix application
- 11. Prime Video:** Launches the Amazon Prime Video application
- 12. Free:** Displays free content from various applications on the Home screen
- 13. Coloured Buttons:** Follow the on-screen instructions for coloured button functions
- 14. Rewind:** Moves frames backwards in media such as movies
- 15. Record:** Records programmes in Live TV mode
- 16. Play:** Starts to play selected media
- 17. Stop:** Stops the media being played
- 18. Pause:** Pauses the media being played, starts timelimit recording in Live TV mode
- 19. Fast Forward:** Moves frames forward in media such as movies
- 20. Freeview Play:** Launches the Freeview Play platform (UK only)
- 21. Twitch:** Launches the Twitch application
- 22. YouTube:** Launches the YouTube application
- 23. Exit:** Closes and exits from displayed menus, returns to previous screen, exits from any running application or OSD banner, closes the Home screen and switches to last source used
- 24. Settings:** Opens the Settings menu
- 25. TiVo:** Returns you to your last location within TiVo OS from places like a movie you're watching or the Settings screen
- 26. Source:** Shows available broadcast and content sources
- 27. Programme +/-:** Increases/decreases channel number in Live TV mode
- 28. Info:** Displays information about on-screen content, Teletext and other information (reveal -in Live TV-Teletext mode)



















### (\*) Standby Button

Press and hold the **Standby** button to see additional actions for this button. Highlight one of the **Restart**, **Standby** (Normal Standby), and **Power Off** (Forced Standby) options and press **OK** to perform the selected action. In Live TV mode, pressing the **Standby** button forces 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.

- 1. Standby (\*):** Standby / On (press briefly)  
Restart / Power Off (press and hold)
- 2. Numeric buttons:** Switches the channel in Live TV mode, enters a number in the text box on the screen
- 3. Text:** Displays teletext (where available). Press the button a second time to superimpose the teletext over a normal broadcast picture (mix). Press again to close
- 4. Mute:** Completely turns off the volume of the TV
- 5. Volume +/-:** Increases/decreases the volume level
- 6. Guide:** Displays the electronic programme guide
- 7. Directional buttons:** Helps navigate menus, setting options, moves the focus or cursor, etc. and displays the subpages in Live TV-Teletext mode when pressed Right or Left. Follow the on-screen instructions
- 8. OK:** Confirms user selections, enters sub-menus, holds the page (in Live TV-Teletext mode), Views channel list (in Live TV mode)
- 9. Back/Return:** Returns to previous menu screen, goes one step back, closes open windows, opens index page (in Live TV-Teletext mode). Quickly cycles between previous and current channels or sources

## Connections

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

When using the wall mounting kit (available from a third party in the market, not supplied), please refer to the instructions for your cables into the back of the TV before mounting on the wall. Insert or remove the CI module only when the TV is SWITCHED OFF; you should refer to the module settings. Each USB input of your TV supports devices up to 500mA. Connecting devices that have current value above 500mA may damage your TV. When using your TV to generate sufficient immunity against parasitic frequency radiation and trouble-free transmission of high definition signals, such as 4K content, you have to use a high-speed standard (the preferred) HDMI cable with ferrites.

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

## Switching On/Off

### To Switch the TV On

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

Press the **Standby** button on the remote control.

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

### To Switch the TV Off

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

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 Timer is active. The LED can also blink when you switch on the TV from standby mode.

## First Time Installation

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

After the language selection, you will be asked whether you want to change accessibility settings. Highlight **Yes** and press **OK** to change. Refer to the **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 a PIN for the picture password. The 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** in the next step. This feature will configure your TV's settings for store environment and depending on the TV model being used, the supported features of it may be displayed on the screen as an info banner. For the pre-installed apps, you may prefer to download the pre-installed only for store use. It is recommended to select **Home Mode** for home use. The **Store Mode** option will be available in the **Settings-System+More** menu and your preference for this setting can be changed later. Make your selection and press **OK** to continue.

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

environmentally friendly, select **Natural** and press **OK** to continue. If you select **Dynamic**, press **OK** and a confirmation dialog will be displayed. Select **Yes** and press **OK** to proceed. 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 selection, **Summary of Consent Settings** screen may appear at this point. Using the options on this screen, you can manage your consent rights. Highlight the feature and press **OK** to accept. Read the related explanations displayed on the screen for each highlighted feature before making any changes. You can press the **Right** directional button to highlight the text and use the **Programme** +/- or **Up/Down** directional buttons to scroll up and down to read the entire text. You will be able to change your preferences at any time later on the **Settings-Legal+Consent Settings** menu. If the **Internet Connection** option is disabled the **Network/Internet Settings** page will be skipped and not displayed. If you have any questions, complaints or comments regarding the privacy policies or their enforcement, please contact by email at [privacyrequest@pepl.com](mailto:privacyrequest@pepl.com) and [smarttvsecurity@vossbuch.com](mailto:smarttvsecurity@vossbuch.com). Highlight **Submit Consent Choices** and press **OK** to continue.

On the next screen you need to agree to the terms and conditions of **Tivo Smart TV Service** to make use of the related services. Scroll the page to read the entire text using the **Programme** +/- or **Up/Down** directional buttons. Highlight **I accept** and press **OK** on the remote to confirm and proceed. Highlight **Cancel** and press **OK** to proceed without confirmation.

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

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



## About Selecting Broadcast Type

To turn a search option on for a broadcast type highlight the **D**, **OK**, Left or Right directional button. To turn the search option off press the **OK**, Left or Right directional button after moving the focus on the desired broadcast type option.

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

**Digital Cable:** If the **D**, **Cable** broadcast search option is turned on, the TV will search for digital cable broadcasts after other initial settings are completed. A dialogue may be displayed depending on the country selection before starting to search asking whether you want to perform cable network search. If you select **Yes** and press **OK** you can select **Network**, if you select **No** such as **Frequency**, **Network ID** and press **OK** or the **Next** search dialogue is not displayed you can set **Start Frequency**, **Stop Frequency** and **Search Step** on the next screen. When finished, highlight **Next** and press **OK** to continue.

**Note:** Searching duration will change depending on the selected Search Step.

**Satellite:** If the **Satellite** broadcast search option is turned on, the TV will search for digital satellite broadcasts after other initial settings are completed. Before satellite search is performed some settings should be made.

Depending on the model and the selected country the next step may be the selection of the installation type for satellite. You can select to start an operator installation or a standard installation at this point. If you want to perform an operator installation set the **Install Type as Operator** and then set the **Satellite Operator** according to your operator preference. If a DiSEqC switch is used, your satellite system, you will be asked to select DiSEqC. Some of the operator installations. Some of the following steps will be skipped depending on the selected operator in this step. If you set the **Install Type as Standard**, you can continue with regular satellite installation and watch satellite channels. Press **OK** to proceed.

Antenna type selection screen may be displayed next to channel selection screen. Press **OK** to select **Satellite** and DiSEqC switch by using the Left or Right arrow keys. Press **OK** to select the DiSEqC switch options to proceed. **Continue**, **Transponder list** and **Configure LNB** options may be available. You can change the transponder and LNB settings using the related menu options.

**Direct:** If you have a single receiver and a direct satellite dish, you can select **Direct**. Press **OK** to select **Direct**. Select an available satellite on the next screen and press **OK** to scan for services.

• **Single Satellite Cable:** If you have multiple receivers and a single satellite cable system, you can select this antenna type. Press **OK** to continue. Configure settings by following instructions on the next screen. Press **OK** to scan for services.

• **DiSEqC switch:** If you have multiple satellite dishes and a DiSEqC version, select this antenna type. Then select the DiSEqC version and press **OK** to continue. You can select the DiSEqC version (for example, version 1, 1.0 and 1.0.5) and select a satellite for scan on the next screen. Press **OK** to scan the first satellite in the list.

**Note:** Depending on the model of your TV, DiSEqC version 1.1 may not be supported. Therefore the DiSEqC version selection step may not be available.

**Analogue:** If the **Analogue** broadcast search option is turned on, the TV will search for analogue broadcasts after other initial settings are completed.

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

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

After all the available stations are stored, Home screen will be displayed. You can press the **OK** button to watch TV channels. You can press the **OK** button to display the channel list when watching TV channels and edit the channel list according to your preferences using the **Edit** tab options.

While the search continues a dialogue may appear, asking whether you want to sort channels according to the LCN? Select **Yes** and press **OK** to confirm.

**PLCN is the Logical Channel Number system that organises available broadcasts in accordance with a recognisable channel number sequence (if available).**

**Note:** Do not turn off the TV while initialising first time. The initialisation process may not be available depending on the country selection options.

## Using Satellite Channel Table Feature

You can perform these operations using the **Settings-Installation-Satellite Settings-Satellite Channel Table** menu. There are two options regarding this feature.

You can download or upload satellite channel table data. In order to perform these functions a USB device must be connected to the TV.

You can upload current services and related satellites & transponders in the TV, to a USB device.

Additionally you can download one of the satellite channel table files stored in a USB device, to the TV. When you select one of these files, all services and related satellites and transponders in the selected

file will be stored in the TV. If there are any installed terrestrial, cable and/or analogue services, they will be kept and only satellite services will be removed. Afterwards, check your antenna settings and make changes if necessary. An error message stating **No Signal** may be displayed if the antenna settings are not configured properly.

## Media Playback via USB Input

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

**IMPORTANT!** Back up the files on your storage devices before connecting them to the TV. Manufacturer will not be responsible for any file damage or data loss. Certain types of USB devices (e.g. MP3 Players) or USB hard disk drive/memory sticks may not be compatible with this TV. The TV supports FAT32 and NTFS disk formatting but will not be available with NTFS formatted disks.

While formatting USB hard drives which have more than 1TB (Tera Byte) storage space you may experience some problems in the formatting process. Wait a little while before each plugging and unplugging as the player may still be reading files. Failure to do so may cause physical damage to the USB player and the USB device itself. Do not pull out your drive while playing a file.

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

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

**Note:** When viewing media files the Media Browser menu can only display a maximum of 100 media files per folder.

## USB Recording

**Recording a Programme**  
**IMPORTANT:** When using a new USB hard disk drive, it is recommended that you first format the disk. To do this, go to Home screen and use the **Format Disk** option in the **Recordings-Settings** menu.

To record a programme, you should first connect a USB disk to your TV while the TV is switched off. You should then switch on the TV to enable the recording feature. To use recording your USB drive should have 2 GB free space and be USB 2.0 compatible. If the USB drive is not compatible an error message will be displayed. To record long duration programmes such as movies, it is recommended to use USB Hard disk drives (HDD's). Recorded programmes are saved onto the connected USB disk. If desired, you can store/recording on onto a computer; however, these files will not be available to be played on a computer. You can play the recordings only via your TV.

Lip Sync delay may occur during timeshifting. Radio recording is supported. The TV can record programmes up to ten hours.

Recorded programmes are split into 4GB partitions. If the writing speed of the connected USB disk is not sufficient, the recording may fail and the timeshifting feature may not be available.

It is recommended to use USB hard disk drives for recording HD programmes.

Do not pull out the USB/HDD during a recording. This may harm the connected USB/HDD.

Multipoint support is available. A maximum of two different partitions is available. The first partition of the USB disk is used for USB Recording ready features. It also must be formatted as the primary partition to be used for the USB Recording ready features.

Some stream packets may not be recorded because of signal problems, as a result sometimes videos may freeze during playback.

While recording a programme in the background you can view Home screen, use Settings menu options, switch to another source or use Media Browser functions, such as viewing pictures, playing video and music files, and even play back the ongoing recording.

## Timeshift Recording

Press the **Pause/Play** button while watching a broadcast to activate timeshifting mode. In timeshifting mode, the programme is paused and simultaneously recorded to the connected USB disk.

Press the **Pause/Play** button again to resume the paused programme from where you stopped. Press the **Stop** button to stop timeshift recording and return to the live broadcast.

Timeshift cannot be used while in radio mode. You can use the timeshift rewind feature after returning normal playback or fast forward option.

## Instant Recording

Press the **Record** button to start recording an event instantly while watching a programme. Press the **Stop** button to stop and save the instant recording.

You can not switch broadcasts during the recording mode. While recording a programme or during timeshifting a warning message appears on the screen if your USB device speed is not sufficient.

## Watching Recorded Programmes

Select **Recordings** from the Home screen. Select a recorded item from the list (if previously recorded). Press the **OK** button to view the **Options** menu. Select an option then press the **OK** button.

**Note:** Viewing Home screen and Settings menu will not be available during the playback.

Press the **Stop** button to stop a playback and return to the **Recordings**.

## Slow Forward / Slow Rewind

If you press the **Pause/Play** button while watching recorded programmes, the slow forward and slow rewind functions will be available. You can use **Fast Forward** button to slow forward and **Rewind** button to slow rewind. Pressing the button consecutively will change slow forwarding and slow rewinding speed.

## Recording Settings

You can configure your recording preferences using the **Settings** tab in the **Recordings** menu. Highlight **Settings** tab by using the Left or Right button and press **OK**. Then select the desired item in the sub-menu and start by using the Left or Right button.

**Start early:** You can set recording timer's starting time to start earlier by using this setting.

**End late:** You can set recording timer's end time to end later by using this setting.

**Max. Timeshift:** This setting allows you to set the maximum duration for the timeshift recording. Available options are approximate and the actual recording time may change in practice depending on the broadcast. The reserved and free storage space values will change according to this setting. Make sure that you have enough free space otherwise instant recording may not be possible.

**Auto discard:** You can set the **Discard** type as **None**, **Oldest**, **Longest** or **Shortest**. If it is not set to **None**, you can set the **Unplayed** option as **Included** or **Excluded**. These options determine the preferences for deleting the recordings in order to obtain more storage space for ongoing records.

**Hard disk information:** You can view detailed information about the USB storage device connected to your TV. Highlight and press **OK** to see and press **Back/Return** to close.

**Format Disk:** If you want to delete all files on the connected USB storage device and convert the disk format to FAT32, you can use this option. Press **OK** button while the **Format Disk** option is highlighted. A menu will appear on the screen, requiring you to enter the PIN(\*). After you enter the PIN, a confirmation message will be displayed. Select **Yes** and press **OK** to start formatting the USB storage device. Select **No** and press **OK** to cancel.

(\* *Default PIN could have been set to 0000 or 7234. If you have defined the PIN (It is requested depending on the country you live in), please refer to the PIN Time in the PIN that you have defined.*)

**IMPORTANT:** Formatting your USB drive will erase ALL the data on it and its system will be converted to FAT32. In most cases operation errors will be fixed after a format but you will lose ALL your data.





If **USB disk writing speed too slow to record** message is displayed on the screen while starting a recording, try restarting the recording. If you still get

the same error, it is possible that your USB disk does not meet the speed requirements. Try connecting another USB disk.

## 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 one of the USB inputs located on the side of the TV. After connecting a USB storage device to your TV, a message stating that the USB device is connected will be displayed on the screen. You can access the content of the connected USB device from the **Source** menu on the Home screen. You can also press the **Source** button on the remote and then select your USB storage device from the list of sources.

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 or an audio file or displaying a picture file. Press the **Info** button if the symbol bar has disappeared, highlight the gear wheel symbol positioned on the right side of the information bar and press **OK**. **Picture Settings**, **Sound Settings**, **Media Browser Settings** and **Options** menus may be available depending on the media file type and the model of your TV and its features. The content of these menus may also differ according to the type of the currently open media file. Only the **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 originally played in chronological 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 a random order
Start playback and activate 	All files in the list will be continuously played in the same random order

## Custom Boot Up Logo

You can personalise your TV and see your favourite image or photo on the screen each time you turn your TV boots up. To do this, copy your favourite image files onto a USB disk and open them in the Media Browser. Select USB input from the **Source** menu on the Home screen and press **OK**. You can also press **Source** button on the remote and then select your USB storage

device from the list of sources. When you have chosen the desired image, highlight it and press **OK** to view it in full screen. Press the **Info** button, highlight the gear wheel symbol on the information bar and press **OK**. Select **Options** and press **OK** to enter. Set **Boot Logo** option will be available. Highlight it and press **OK** option to choose the image as custom boot logo. A confirmation message will be displayed. Select **Yes** and press **OK** again. If the image is suitable (\*) you will see it on the screen during the TV's next boot up. **Note:** You can use the **Screen Default Boot Logo** option in the **Settings-System-More menu** to restore the default boot logo. If you perform **First Time Installation** the boot logo will also be restored to its default.

(\* *Images must have an aspect ratio between 4:3 to 16:9 and they must be in .jpg or .png file formats. The image cannot be set as boot logo, if its resolution doesn't appear on the TV banner.*)

## 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 function. The application may not be compatible with all mobile devices. Both of the devices must be connected to the same network. This feature is only functional on TV source.

## 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-Devices** menu should be set as **Enabled** at first. Press the **Source** button and select the HDMI input of the connected CEC device from the **HDMI Source List** menu. When a new CEC source device is connected, it will be added in the **Source List** menu with its own 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 **Zero** button on the remote control for 3 seconds.

You can disable the CEC functionality by setting the related option under the **Settings-Devices** 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, external speakers and volume control buttons are directed to the connected audio device. To activate ARC set the **Sound Output** option in the **Settings-Sound** menu as **HDMI ARC**.

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

## Enhanced Audio Return Channel (eARC)

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

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

For eARC to function properly:

- The connected audio device should also support eARC.
- Some HDMI cables do not have enough bandwidth to carry high-bit-rate audio channels, use an HDMI cable with eARC support (HDMI High Speed HDMI cable Ethernet and the new Ultra High Speed HDMI Cable - check hdmi.org for latest info).

• Set the **Sound Output** option in the **Settings-Sound** menu to **HDMI ARC**. The eARC option in the **Sound** menu will be enabled. Check to see if it is set to **On**. If not, set it to **On**.

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

## System Audio Control

System Audio Control (SAC) can 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.

### Game Mode

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

### Auto Low Latency Mode

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

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

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

### E-Manual

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

To access the E-Manual, enter the **Settings>System>More** menu, select **Manuals** and press **OK**. For quick access press the **Settings** button and then the **Info** button.

By using the directional buttons select a desired topic and press **OK** to read instructions. To close the E-Manual screen press the **Exit** or **TiVo** 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

### Devices Menu Content

<b>Virtual Remote</b>	Enable or disable the virtual remote feature.
<b>Audio Video Sharing</b>	This feature allows you to share files stored on your smartphone or tablet pc. If you have a compatible smartphone or tablet pc and the appropriate software is installed, you can share/play photos, music and videos on your TV. See instructions of your sharing software for more information.
<b>ALLM</b>	ALLM (Auto Low Latency Mode) function allows the TV to activate or deactivate low latency settings depending on playback content. If this option is enabled the picture mode will be set to <b>Game</b> automatically when ALLM mode signal is received from the current HDMI source. Refer to the <b>Game Mode</b> section for more information.
<b>Timer of No Signal</b>	If your TV does not receive any input signal (e.g. from an aerial or HDMI source) for 3 minutes, it will go into standby mode. You can enable or disable this functionality by setting this option accordingly.
<b>CEC</b>	With this setting you can enable and disable CEC functionality completely. Press the Left or Right button to enable or disable the feature.
<b>CEC Auto Power On</b>	This function allows the connected HDMI-CEC compatible device to turn on the TV and switch on the input source automatically. Press the Left or Right button to enable or disable the feature.

### Picture Menu Content

<b>Mode</b>	You can change the picture mode to suit your preference or requirements. Picture mode can be set to one of these options: <b>Cinema</b> , <b>Game</b> , <b>Sports</b> , <b>Dynamic</b> and <b>Natural</b> . <i>Note: Available options may differ depending on the input source.</i>
<b>Contrast</b>	Adjusts the light and dark values on the screen.
<b>Brightness</b>	Adjusts the brightness values on the screen.
<b>Sharpness</b>	Sets the sharpness value for the objects displayed on the screen.
<b>Colour</b>	Sets the colour value, adjusting the colours.
<b>Energy Saving</b>	For setting the <b>Energy Saving</b> to <b>Custom</b> , <b>Minimum</b> , <b>Medium</b> , <b>Maximum</b> , <b>Auto</b> , <b>Screen Off</b> or <b>Off</b> . <i>Note: Available options may differ depending on the selected Mode.</i>
<b>Backlight</b>	This setting controls the backlight level. This option (will be located under the <b>Energy Saving</b> setting) will be available if the <b>Energy Saving</b> is set to <b>Custom</b> . Highlight and use Left/Right directional buttons to set.
<b>Picture Zoom</b>	Sets the desired image size format.
<b>Picture Shift</b>	This option (will be located under the <b>Picture Zoom</b> setting) may be available depending on the <b>Picture Zoom</b> setting. Highlight and press <b>OK</b> , then use directional buttons to shift the picture upwards or downwards.
<b>Advanced Settings</b>	
<b>Dynamic Contrast</b>	You can change the dynamic contrast ratio to desired value.
<b>Colour Temp</b>	Sets the desired colour temperature value. <b>Cool</b> , <b>Normal</b> , <b>Warm</b> and <b>Custom</b> options are available.
<b>White Point</b>	If the <b>Colour Temp</b> option is set as <b>Custom</b> , this setting will be available (will be located under the <b>Colour Temp</b> setting). Increase the 'warmth' or 'coolness' of the picture by pressing Left or Right buttons.

<b>Blue Stretch</b>	White colour enhancement function that makes white colour more cooler in order to make more bright picture. Set as <b>On</b> to enable.
<b>Micro Dimming</b>	<b>Low, Medium, High</b> and <b>Off</b> options are available. While <b>Micro Dimming</b> is active, it will enhance contrast locally for each defined zone.
<b>Noise Reduction</b>	<b>Low, Medium, High</b> and <b>Off</b> options are available. If the signal is weak and the picture is noisy, use the <b>Noise Reduction</b> setting to reduce the amount of noise.
<b>MEMC</b>	Press left/right buttons to set <b>MEMC</b> to <b>Low, Medium, High</b> or <b>Off</b> . While <b>MEMC</b> is active, it is changing the TV's video settings for motion images to acquire a better quality and readability.
<b>MEMC Demo</b>	When <b>MEMC</b> option is set to <b>Low, Medium</b> or <b>High</b> , this option will be available. Press <b>OK</b> button to activate the demo mode. While demo mode is active, the screen will be divided into two sections, one displaying the <b>MEMC</b> activity, the other displaying the normal settings for TV screen. Press <b>OK</b> button again to cancel.
<b>Film Mode</b>	Films are recorded at a different number of frames per second to normal television programmes. Set to <b>Auto</b> when you are watching films to see the fast motion scenes clearly.
<b>Skin Tone</b>	Skin tone can be changed between -5 and 5.
<b>Colour Shift</b>	Adjust the desired colour tone.
<b>Colour Tuner</b>	Opens colour tuner settings. Set the <b>Colour Tuner</b> as <b>Enabled</b> to adjust the <b>Hue, Colour</b> and <b>Brightness</b> values manually.
<b>Gamut Mapping</b>	You can use this option to set the range of colours displayed on your TV screen. When set as <b>On</b> , colours are set according to the source signal. When set as <b>Off</b> , the TV's maximum colour capacity is used by default (recommended option).
<b>Gamma</b>	Note: This option may not be available depending on the TV model and its features. You can use this option to set your gamma preference. Press Left/Right directional buttons to set <b>Normal, Bright</b> or <b>Dark</b> .
<b>HDMI Full Range</b>	Note: This option may not be available depending on the TV model and its features and you may not be able to change this setting depending on the current content. While watching from a HDMI source, this feature will be visible. You can use this feature to enhance blackness in the picture.
<b>11 Point White Balance Correction</b>	White balance feature calibrates TV's colour temperature in detailed grey levels. By using the <b>11 Point White Balance</b> feature, you can adjust the strength of the <b>Red, Green, Blue</b> colors and <b>Gain</b> value manually. Highlight this option, press <b>OK</b> , and then set to <b>Enabled</b> to turn this function on.
<b>Reset</b>	Resets the current picture mode settings to factory/default settings.

<b>Sound Menu Content</b>	Your TV supports Dolby Atmos technology. By means of this technology the sound moves around you in three-dimensional space, so you feel like you're inside the action. You will have best experience if input audio bitstream is Atmos. <b>Auto, On</b> and <b>Off</b> options will be available. If set as <b>Auto</b> , the TV will switch between <b>On</b> and <b>Off</b> modes automatically depending on the input audio bitstream information, if the input audio bitstream is Atmos this feature will work as if it is set as <b>On</b> . Set as <b>Off</b> to disable.
<b>Dolby Atmos</b>	<b>Smart, Movie, Music, News</b> and <b>Off</b> options will be available. Set as <b>Off</b> to disable.
<b>Mode</b>	Note: Some items in <b>Sound menu</b> will be grayed out and unavailable if set to an option other than <b>Off</b> . Settings of some other options may also change depending on the current settings.
<b>DTS Virtual:X</b>	This feature will enhance your sound experience by providing a virtualisation of surround speakers through your TV's speakers. You can select one of the predefined sound modes: <b>Music, Sports, Cinema</b> and <b>Off</b> options will be available. Set as <b>Off</b> to disable.

<b>Sound Output</b>	Sets the sound output preference. <b>TV, SPDIF, HDMI ARC, Headphone Only</b> and <b>Lineout</b> options will be available. There will be no sound output except through the selected option and the headphone jack. Note that, if this option is set as <b>Headphone Only</b> , TV speakers will be muted when headphone set is plugged in. When you connect an external amplifier to your TV using the headphone jack, you can select this option as <b>Lineout</b> . If you have connected headphones to the TV, set this option as <b>Headphone Only</b> . Please ensure before using headphones that this menu item is set to <b>Headphone Only</b> . If it is set to <b>Lineout</b> , the output from the headphone socket will be set to maximum which could damage your hearing. If <b>HDMI ARC</b> option is selected, <b>CEC</b> feature will be enabled. Note: Depending on the selected option some items in <b>Sound menu</b> will appear as grayed out and will be unavailable.
<b>eARC</b>	When the <b>Sound Output</b> option is set to <b>HDMI ARC</b> , the <b>eARC</b> menu option will be available. Otherwise, it will be grayed out. This option will be set to <b>On</b> by default. Set to <b>Off</b> to disable. Refer to the <b>CEC</b> section for more information.
<b>AVL (Automatic Volume Limiting)</b>	Sets the sound to obtain fixed output level between programmes. If the <b>Mode</b> menu item is set to an option other than <b>Off</b> the <b>AVL</b> setting options will change. <b>Auto, Night, Normal</b> and <b>Off</b> options will be available. In <b>Auto</b> mode will switch to <b>Normal</b> or <b>Night</b> mode automatically according to the current time information. Time zone information is available this option will always function as <b>Normal</b> . Note: <b>Night</b> mode will be available only the first time after setting this option as <b>Auto</b> , an information bar will pop up on the screen. Please note that compared to <b>Normal</b> mode <b>Night</b> mode provides more aggressive dynamic compression control which is suitable for silent environments.
<b>Advanced Settings</b>	Selects the equalizer mode. Custom settings can be made only when in <b>User</b> mode.
<b>Equalizer</b>	Enables or disables the Dynamic Bass.
<b>Dynamic Bass</b>	Dynamic Range Control provides gain adjustment of the source to maintain suitable audible range at both low and high playback levels. It will function only if the source audio format is DTS. Enable or disable the <b>DTS DRC</b> by setting as <b>On</b> or <b>Off</b> .
<b>DTS DRC</b>	You can select a sound mode (if the viewed channel supports).
<b>Sound Mode</b>	Sets digital out audio type: <b>PCM, Auto</b> , and <b>Passthrough</b> options will be available.
<b>Digital Out</b>	<b>PCM</b> : This option provides two-channel uncompressed digital audio output. You can use this option if you experience compatibility problems such as not hearing sound. <b>Auto</b> : This option provides multi-channel digital audio output (up to 5.1 channel). <b>Passthrough</b> : This option provides original audio output as such in HDMI ARC. It is recommended to use this option if you have an AV receiver with eARC support. If your AV receiver does not support source audio format, you may experience compatibility problems such as not hearing sound.
<b>Headphone</b>	Sets headphone volume. This option will not be available if the <b>Sound Output</b> option is set as <b>Lineout</b> . Please ensure before using headphones that the headphone volume is set to a low level, to prevent damage to your hearing.
<b>Balance</b>	Sets sound balance. This feature will be activated if <b>Sound Output</b> option is set as <b>TV Headphone Only</b> . Balance item adjusts the balance level of the TV speaker's and headphones together.
<b>Reset</b>	Resets some of the sound settings to factory defaults.

Network Menu Content	System Menu Content
<b>Network Type</b> Disable the network connection or change the connection type.	<b>Accessibility</b> Displays accessibility options of the TV. Some options will not be available if no channels are installed.
<b>Scan Wireless Networks</b> Start a search for wireless networks. This option will be available if the <b>Network Type</b> is set as <b>Wireless Device</b> .	<b>High Contrast</b> Increase the contrast of the menu options and texts to make them easier to read. <b>White Text</b> , <b>Yellow Text</b> and <b>Off</b> options will be available.
<b>Disconnect</b> To disconnect from a wireless network and delete your saved wireless network profile (if previously saved), highlight this option and press <b>OK</b> . This option will not be available if you did not connect to a wireless network. Refer to <b>Connectivity</b> section for more information.	<b>Hard of Hearing</b> Enables any special feature sent from the broadcaster.
<b>Press WPS on your wifi router</b> If your modem/router device has WPS, you can directly connect to it using this option. Highlight this option and press <b>OK</b> . Go to your modem/router device and press the WPS button on it to make the connection. This option will be available if the <b>Network Type</b> is set as <b>Wireless Device</b> .	<b>Audio Description</b> A narration track will be played for the blind or visually impaired audience. Press <b>OK</b> to see all available <b>Audio Description</b> menu options. This feature is available only if the broadcaster supports it. <i>Note: Audio description sound feature is not available in recording or time shifting mode (availability depends on the mode of your TV and its features).</i>
<b>Internet Speed Test</b> Start a speed test to check your connection bandwidth. The result will be displayed on the screen when finished.	<b>Dialogue Enhancement</b> This feature provides sound postprocessing options for speech-gated dialogue enhancement. <b>Off</b> , <b>Low</b> , <b>Medium</b> and <b>High</b> options will be available. Set according to your preference. <i>Note: This feature has an effect only if input audio format is AC4 and this effect only applies to TV loudspeaker output.</i>
<b>Advanced Settings</b> Change the IP and DNS configurations of your TV.	<b>Spoken Subtitles</b> Default preference of spoken subtitles is selected with this setting option. To make spoken subtitles priority higher than normal ones, this option should be set to <b>On</b> . This option may not be available depending on the mode of your TV.
<b>Networked Standby Mode</b> Enable or disable this feature by setting it as <b>On</b> or <b>Off</b> . <i>Note: For detailed information on the options of this menu refer to the Connectivity section.</i>	<b>Magnification</b> Enables the use of button combinations to magnify the screen. <b>On</b> and <b>Off</b> options will be available. Set as <b>On</b> to enable. Magnification support will be enabled or disabled with long-press of the numeric button <b>5</b> . First top-left quadrant of the screen will be zoomed. After the magnification support is enabled, long-press of the numeric buttons <b>2</b> , <b>4</b> , <b>6</b> , and <b>8</b> will move the zoomed area to up, left, right and down.
<b>Installation Menu Content</b>	<b>Minimap</b> Minimap is enabled and deactivated by default. It will be activated when <b>Magnification</b> feature is enabled. With this option, you can prevent magnification feature from displaying the minimap.
<b>Automatic Channel Scan (Return)</b> Displays automatic tuning options. <b>D Aerial</b> : Searches and stores aerial DVB stations. <b>D Cable</b> : Searches and stores cable DVB stations. <b>Analogue</b> : Searches and stores analogue stations. <b>Satellite</b> : Searches and stores satellite stations.	<b>Highlight programmes with [S] Subtitle</b> If this option is enabled and if any electronic programme guide event has "Subtitle" access service, these events will be highlighted with another colour.
<b>Manual Channel Scan</b> This feature can be used for direct broadcast entry.	<b>[S/L] Sign Language</b> If this option is enabled and if any electronic programme guide event has "Sign Language" access service, these events will be highlighted with another colour.
<b>Network Channel Scan</b> Searches for the linked channels in the broadcast system; <b>D Aerial</b> : Searches for aerial network channels. <b>D Cable</b> : Searches for cable network channels.	<b>[AD] Audio Description</b> If this option is enabled and if any electronic programme guide event has "Audio Description" access service, these events will be highlighted with another colour.
<b>Analogue Fine Tune</b> You can use this setting for fine tuning analogue channels. This feature is not available if no analogue channels are stored and if currently watched channel is not an analogue channel.	<b>Language</b> You may set a different language depending on the broadcaster and the country.
<b>Satellite Settings</b> Displays satellite settings. <b>Satellite list</b> : Displays available satellites. You can <b>Add</b> , <b>Delete</b> satellites or <b>Edit</b> satellite settings on the list. <b>Antenna installation</b> : You can change satellite antenna settings and/or start a satellite scan. <b>Installable channel table</b> : You can upload or download satellite channel table data using the related options.	<b>Conditional Access</b> Controls conditional access modules when available.
<b>Installation Settings (optional)</b> Displays installation settings menu. <b>Standby Mode Search (*)</b> : Your TV will search for new channels during standby mode. <b>Dynamic Channel Update (*)</b> : If this option is set as <b>Enabled</b> , the channel store broadcasts such as frequency, channel name, subtitle language, etc. will be applied automatically while watching. <i>(*) Availability depends on model.</i>	<b>Parental</b> Enter correct PIN to change parental settings. You can easily adjust <b>Menu Lock</b> , <b>Maturity Lock</b> , <b>Child Lock</b> or <b>Guidance</b> in this menu. You can also set a new PIN or change the <b>Default CICAM PIN</b> using the related options. <i>Note: Some 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 (its required depending on the country selection during the First Time Installation use the PIN that you have defined).</i>
<b>Clear Service List</b> Use this setting to clear channels stored. This setting is visible only when the <b>Country</b> option is set to Denmark, Sweden, Norway or Finland.	<b>Date/Time</b> Sets date and time.
<b>Select Active Network</b> This setting allows you to select only the broadcasts within the selected network to be listed in the channel list. This feature is available only for the country option of Norway.	<b>Sources</b> Edit the names, enable or disable selected source options. There are also <b>Regular</b> and <b>Enhanced</b> options available for HDMI sources. These options are affecting the colour settings of the selected HDMI source. To be able to watch 4K or HDR/HLG images from an HDMI source related source setting should be set as <b>Enhanced</b> if the connected device is compatible with HDMI 2.0 and subsequent versions. Set as <b>Regular</b> if the connected device is HDMI 1.4 compatible. Set accordingly or disable the related HDMI source by setting as <b>Disabled</b> .
<b>Signal Information</b> You can use this menu item to monitor signal related information such as signal level/quality, network name, etc. for available receivers.	
<b>Factory Reset</b> Deletes all stored channels and settings, resets TV to factory settings.	

	<p>If this feature is supported by your TV, you can view your ESN(*) number and deactivate Netflix.</p> <p>(*) ESN number is a unique ID number for Netflix, created especially to identify your TV.</p> <p>Note: For 4K video streaming, a minimum 25Mbps internet connection speed is required. For an internet connection speed of 10Mbps or less, you may experience lower video information content like the website <a href="https://www.netflix.com/mediaprovider/3544">https://www.netflix.com/mediaprovider/3544</a>. When you turn on streaming content via the internet, the quality of your connection will be analysed and the full HD or 4K quality may take a short time to be realised, or in the event of a slow connection not be possible. You should check your internet capabilities with your internet provider if you are at all unsure.</p>
<b>Netflix</b>	
<b>TVi0</b>	
<b>More</b>	<p>You can view the HSN key.</p> <p>Displays other setting options of the TV.</p>
<b>Menu Timeout</b>	Changes timeout duration for menu screens.
<b>Home Screen Saver</b>	Set the screensaver options for Home screen. You can set a wait time for the screensaver or disable it by using the available options.
<b>Standby Mode LED</b>	If set as <b>Off</b> the standby mode LED will not light up when the TV is in standby mode.
<b>Device Identification</b>	When this option is enabled, it causes a Device ID <sup>1)</sup> to be generated internally for each WebOS-connected device. When disabled, all the content Device IDs are equal for each WebOS origin that was visited. You can enable or disable this feature by setting it as <b>On</b> or <b>Off</b> .
<b>Software upgrade</b>	Ensures that your TV has the latest software. Press <b>OK</b> to see the menu options.
<b>Application Version</b>	Displays current software version.
<b>Subtitle Mode</b>	This option is used to select which subtitle mode will be on the screen ( <b>DVB</b> subtitle / <b>Teletext</b> subtitle) if both are available. Default value is <b>DVB</b> subtitle. This feature is available if channels are installed and the country option is set as Norway during the first time installation.
<b>Auto Power Down</b>	Sets the desired time for the TV to automatically go into standby mode when not being operated. This option can be set from 1 to 8 hours in steps of 1 hour. You can also disable this option by setting as <b>Off</b> .
<b>Standby On Mode</b>	Configures your TV's auto launch preference. The <b>TVi0 Launcher</b> and <b>Last Source</b> options are available. If set to <b>TVi0 Launcher</b> , the Home screen will be displayed when the TV is turned on.
<b>Sleep Timer</b>	Define a time after which you want your TV to enter sleep mode automatically. Set as <b>Off</b> to disable.
<b>Biss Key</b>	Biss is a satellite signal scrambling system that is used for some broadcasts. If you need to enter Biss key on a broadcast, you can use this setting. Highlight <b>Biss Key</b> and press <b>OK</b> to enter keys on the desired broadcast. This option will appear if satellite channels are installed. Availability depends on the model of your TV and its features.
<b>Store Mode</b>	Select this mode for store display purposes. Whilst <b>Store Mode</b> is enabled, some items in the TV menu may not be available. For some models <b>Enabled with video option</b> may also be available. If this option is set, the TV will switch to store mode and the pre-installed video file will be played back.
<b>Power Up Mode</b>	This setting configures the power up mode preference. <b>Last State</b> and <b>Standby Mode</b> options are available.
<b>OSS</b>	Displays Open Source Software licence information.
<b>Restore Default Boot Logo</b>	Restores the default boot logo. A confirmation message will be displayed. Select <b>Yes</b> and press <b>OK</b> . This option may not be available depending on the model of your TV and its features.
<b>Change Friendly Name</b>	Using this option you can change the device name that is used to identify your TV when connecting a device to the TV wirelessly. The default device name will be restored if the device name is left blank or first time installation is performed.

<b>Application Priority</b>	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.
<b>Dolby Notification</b>	Sets the notification appearance preference for Dolby content. When set as <b>On</b> , Dolby logo will be displayed on the screen when Dolby content is detected.
<b>Manuals</b>	Displays the E-Manual. You can find instructions for your TV's features in the E-Manual. Note: Some options may not be available depending on the model of your TV, its features and the selected country in the First Time Installation.

<b>Legal Menu Content</b>	Displays the privacy policy information.
<b>Terms &amp; Conditions</b>	Displays the terms and conditions for TVi0 SmartTV Service.
<b>Consent Settings</b>	You can use the options here to manage your consent settings. Highlight a feature and press <b>OK</b> to enable or disable. You can read the related explanations displayed on the screen for each highlighted feature before making changes. You can press the Right directional button to highlight the text and then use the <b>Programme +/-</b> or <b>Up/Down</b> directional buttons to scroll up and down to read the entire text.
<b>Advertising ID</b>	Displays the advertising ID. You can also reset it using the related option here.
<b>Company Information</b>	Displays the company information.
<b>Transparency Disclosure</b>	Displays the transparency disclosure.
<b>Cookies</b>	Displays all saved cookies.
<b>Show All Cookies</b>	
<b>Delete All Cookies</b>	Deletes all saved cookies.
<b>Do Not Track</b>	You can set your preference regarding the tracking behaviour for HbbTV services using this option.

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

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

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

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

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

**Note:** Default PINs **cannot** 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. In case the PIN is entered incorrectly five times in succession, PIN entry will be blocked and it will no longer be possible to make a new entry for 30 minutes. However, some operators may set the available dependency on the model and/or on the country selection in the **First Time Installation**.

### Electronic Programme Guide

By means of 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 on the Home screen.

There are 2 different types of schedule layouts available, **Timeline Schedule** and **NowNext**. To switch between these layouts highlight the **Time** 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 the time axis. 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 the **Back/Return** button to use available tab options. Highlight the **Filter** tab and press **OK** to see the filtering options. To change the layout highlight **NowNext** and press **OK**. You can use the **Previous Day** and **Next Day** options to display the events of the previous and next day.

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

## General TV Operation

### Using the Channel List

The TV sorts all stored stations in the channel list. You can edit this channel list or set favourites by using the **Channels** menu options. While watching live TV channels press the **OK** button to open the channel list or go to the Navigation carousel on the Home screen and select **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 list you want and press **OK** to see available options.

### Managing the Favourite Lists

You can create four different lists of your favourite channels. Go to the Navigation carousel on the Home screen and select **Channel List** to open the **Channels** menu. Highlight the **Edit** tab and press **OK** to see the editing options and select the **Tag/Un-tag channel** option. Select the desired channel on the list by pressing the **OK** button while the channel is highlighted. You can make all multiple choices. You can also use the **Tag/Un-tag** option to select all channels on the list. Then press the **Back/Return** or **Right** directional button to return to the **Edit** menu options. Select the **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 the favourite list follow the same steps and set the desired list option to **Off**.

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

### Configuring Parental Settings

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

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

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

**Maturity Lock:** If this option is set, the TV gets the maturity information from the broadcast and if this maturity level is disabled, prohibits access to the broadcast.

**Note:** If the country option in the **First Time Installation** is set to France, Italy or Austria, **Maturity Lock**'s value will be set to 16 years, Italy.

### Highlight Genre

Select an option and press **OK**.

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 the **Back/Return** button to use available tab options. Highlight the **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 the **OK** button to display the **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 recorded at times set, to cancel a already set timer, highlight **Delete Timer on Event** option. The timer will be cancelled.

**Record / Delete Rec. Timer:** Select the **Record** option and press the **OK** button. If the event is going to be broadcasted at a future time, it will be added to **Timers** list to be recorded. If the selected event is being broadcasted at the moment, recording will start immediately.

To cancel an already set record timer, highlight that event and press the **OK** button and select the option **Delete Rec. Timer**. The record timer will be cancelled.

**Import/Export:** Connect a USB disk to your TV while the TV is switched off. You should then switch on the TV to enable the recording feature.

**Note:** You cannot switch to any other channel while there is an already recording or timer on the current channel. It is not possible to set timer or record timer for two or more individual events at the same time interval.

### Teletext Services

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

### Digital Teletext

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

### Software Upgrade

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

### Software Upgrade via user interface

Press the **Settings** button on the remote or select **Settings** on the Home screen. Highlight the **Software Upgrade** option in the **System>More** menu and press **OK**. Then highlight the **Scan for software upgrade** option and press **OK** to check for a new software upgrade. You can select the satellite which is used for updating the process and configure its parameters by using the **Edit Upgrade for Satellite** menu options.

If a new upgrade is found, it starts to download the upgrade. After the download is completed, a warning will be displayed, press **OK** to complete software upgrade process and restart TV.

### 3 AM search and upgrade mode

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

All updates are automatically controlled. If a manual search is carried out and no software is found then this is the current version.

### Troubleshooting & Tips

#### TV will not turn on

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

#### 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

- Are suitable plugs used to connect the antenna?
- If the content is received through an HDMI input, try changing the related HDMI source input setting to **Enhanced** or **Regular** from the **Sources** option in the **Settings-System** menu.
- If you are in doubt, consult your dealer.

#### No sound

- Check if the TV sound is muted. Press the **Mute** button or increase the volume to check.
- Sound is coming from only one speaker. Check the balance setting from the **Sound** menu.
- Check if the **Sound Output** option is set correctly from the **Sound** menu.
- If the content is received through an HDMI input, try changing the related HDMI source input setting to **Enhanced** or **Regular** from the **Sources** option in the **Settings-System** menu.

#### Remote control - no operation

- The batteries may be exhausted. Replace the batteries.

- The batteries may be inserted incorrectly. Refer to the **Inserting the Batteries into the Remote** section.

#### 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.

#### Recording unavailable

To record a programme, you should first correctly connect a USB storage device to your TV, while the TV is switched off. You should then switch on the TV to enable recording feature. If you cannot record, check the storage device is correctly formatted and there is sufficient space.

#### USB is too slow

If a "USB disk writing speed too slow to record" message is displayed on the screen while starting a recording, try restarting the recording. If you still get the same error, it is possible that your USB storage device does not meet the speed requirements. Try using a different USB storage device.

### HDMI Signal Compatibility

Source	Supported Signals	Available
480i	60Hz	○
480p	60Hz	○
576i, 576p	50Hz	○
720p	50Hz, 60Hz	○
1080i	50Hz, 60Hz	○
1080p	24Hz, 25Hz, 30Hz, 50Hz, 60Hz	○
<b>HDMI</b>		
	24Hz, 25Hz, 30Hz, 50Hz, 60Hz	○
	4096x2160p	○

(X: Not Available, O: Available)

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

### Supported File Formats for USB Mode

#### Video File Formats

File Extension	Format	Audio
.mpg/.mpeg/.dat/.vob	MPEG1/2, H.264, VC1	MPEG Layer 1/2/3, AC3
ts/.ts/.m2ts	MPEG1/2, H.264, VC1, HEVC/H.265	MPEG Layer 1/2/3, AC3, E-AC3
.avi	MPEG1/2, MPEG4, H.264, MJPEG	MPEG Layer 1/2/3, AC3, AAC, WMA
.mp4/.m4v/.m4p/.qt/.3gp/.3gp2/.h264/.h265/.avi	MPEG1/2, H.263, H.264, MJPEG	MPEG Layer 1/2/3, AAC LC, AC3
.mkv	MPEG 1/2, MPEG4, H.264, HEVC/H.265, AV1	MPEG Layer 1/2/3, AAC, AC3
.flv	Svensson Speakh, MPEG4, H.264	MPEG Layer 3, ADPCM, AAC LC
.asf/.wmv	MPEG4, WMV3, VC1	WMA, AMR-NB
.webm	VP9, VP8, AV1	OPUS, Vorbis

#### Picture File Formats

File Extension	Format
.jpg/.jpeg	JPEG, P.JPEG
.bmp	BMP
.png	PNG

#### Audio File Formats

File Extension	Format	Audio
.mp3		mp3
.aac		AAC
.wma		WMA
.wav		MPEG Layer 1/2/3, AAC, PCM
.m4a		AAC



## Subtitle File Formats

### External Subtitles

Extension	Specification
.ssa	SubStation Alpha
.ass	Advanced SubStation Alpha
.srt	Subripper
.sub	Micro DVD / SubViewer
.txt	Micro DVD / TMP/Player / MPL2
.sml	SamI

### Internal Subtitles

Extension	Specification
.mkv	VOBS:ub
.mkv	ASS / SSA / TEXT
.dat, .mpg, .mpeg	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.

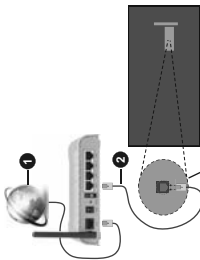
	50Hz	60Hz	60Hz	60Hz	70Hz	72Hz	75Hz
640x480		X					X
800x600	X	X					X
1024x768		X		X			X
1280x800		X		X			X
1280x800		X		X			
1360x768		X		X			
1360x768		X		X			
1280x1024		X		X	X		X
1400x1050			X				
1600x900			X				
1600x900			X				
1920x1080			X				

## 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.

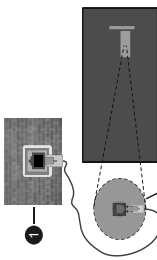


1 Broadband ISP connection

2 LAN (Ethernet) cable

3 LAN input on the rear side of the TV

- 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 a network wall outlet.



1 Network wall socket

2 LAN input on the rear side of the TV

#### Configuring Wired Device Settings

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

#### Network Type

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

#### Internet Speed Test

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

#### Advanced Settings

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

#### Network Standby Mode

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

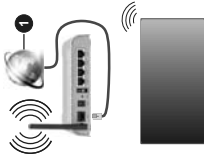
#### Other Information

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

#### Wireless Connectivity

#### To Connect to a Wireless Network

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



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 products that you use. The transmission speed may also be affected by other connected devices. The transmission speed may vary depending on the radio wave conditions, DECT phones or any other WLAN 11n appliances. The standard values of 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 TV supports 802.11 a, b, g & n type modems. It is highly recommended that you should use the IEEE 802.11n communication protocol in order to avoid any possible problems while watching videos.

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

#### Configuring Wireless Device Settings

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

#### Network Type

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

#### Scan Wireless Networks

Highlight the **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.

#### Disconnect

If you have connected to a wireless network the **Disconnect** option will appear in the **Network** menu and your wireless network profile will also be saved. To disconnect whenever you switch to wireless connection, go to the **Settings>Network** menu and delete the saved wireless network profile, highlight **Disconnect** and press **OK**.

#### Press WPS on your wifi router

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

#### Internet Speed Test

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

#### Advanced Settings

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

#### Networked Standby Mode

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

#### Other Information

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

#### Connecting to your mobile device via WLAN

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

Afterwards, connect your mobile device to the same network as your TV 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.

Go to the **Navigation** carousel on the Home screen and select **Sources**. Then highlight the **Audio Video Sharing** option. Then highlight the **Audio Video**

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 using the application provider.

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

### Networked Standby Mode

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

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

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

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

### Wireless Display

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

### Using with mobile devices

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

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

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

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

Scan for devices. After you select your TV and connect, the screen of your device will be displayed on your TV.

**Note:** This feature can be used only if the mobile device supports this feature. If you experience problems with the connection check if the operating system version you use with the operating system versions which are released after the production of this TV. Scanning and connecting processes differ according to the TV programming you use.

### Connectivity Troubleshooting

#### Wireless Network Not Available

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

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

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

#### Connection is Slow

See the instruction book of your wireless modem to get information on the 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 actions

You could try the following in such a case:

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

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

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

Contact your internet service provider and request information on how to connect a different device, such as your TV, to the internet.

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

**Invalid Domain**

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

### Using Audio Video Sharing Network Service

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

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

#### 1. Server Software Installation

The Audio Video Sharing feature cannot be used if the server program is not installed 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>Devices** menu and enable the **Audio Video Sharing** option.

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

Go to the Navigation carousel on the Home screen and select **Sources**. Then 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** section for further information on file playback.

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

PCH-DMMEDIA 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 PC's which may not be able to utilise the Audio Video Sharing feature due to administrator and security settings (such as business PC's).

### Apps

You can access the applications installed on your TV from the Home screen. The apps of the streaming services are integrated for the best search and viewing experience. Press the **TIVO** button on the remote. Home screen will be displayed. Highlight an app and press **OK** to launch.

Use the **Manage Apps** screen to control which apps TIVO OS uses to recommend files from on the Home, Free TV, Shows, and Movies screens. The apps you select display in the **My Apps** carousel on the Home screen.

Your app selections do not affect text and voice search (available on mobile devices) on the model of your TV, and (available on remote controls) results. TIVO OS shows results from all apps to help you find what you want to watch. When an app you're not using has the title, you can then decide to sign up for it.

**Note:** While many apps are free, a subscription, rental, or purchase may be needed to watch files from some apps. Possible application dependent problems may be caused by the content service provider. Third party internet services may change, be discontinued or restricted at any time.

### Internet Browser

You can launch the internet browser from the **My Apps** carousel on the Home screen.

In the initial screen of the browser, the thumbnails of the predefined (if any) links to web sites available will be displayed as **Speed Dial** options along with the **Edit Speed Dial** and the **Add to Speed Dial** options.

To navigate the web browser, use the directional buttons on the remote or a connected mouse. To see the browser options bar, move the cursor to the top of the page. **History**, **tabs** and **Bookmarks** options and the refresh button which contains search bar, the **Speed Dial** and the **Web** 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 browser bar will appear. Highlight the **Speed Dial** button and press the **OK** button. Then select **Add to Speed Dial** option and press the **OK** button. Fill in the blanks for **Name** and **Address**, highlight **OK** and press the **OK** button to add. Whilst you are on the site you wish to add to the **Speed Dial** list, highlight the **Web** 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 **Web** menu options to manage the browser. Highlight the **Web** button and press the **OK** button to see available page specific and general options.

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

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

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

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

Your TV is compatible with USB-mice. Plug your mouse or wireless mouse 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.

#### HBbTV System

HBbTV (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 content and streaming services. HBbTV includes top-level services such as live streaming, traditional broadcast TV channels, catch-up services, video-on-demand, electronic programme guides, interactive advertising, personalisation, voting, games, social networking and other multimedia applications.

HBbTV applications are available on channels where they are signalled by the broadcaster. The broadcaster marks one application as "autostart" and this one is started by the platform automatically. The autostart 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 of the application via pressing red button. It should be noted that the red button switching capability may behave differently (other colour buttons such as green, yellow, blue, may be defined for some other functions, e.g. shortcuts).

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

- The application can continue running.
  - The application can be terminated.
  - The application can be terminated and another autostart red button application can be launched.
- HBbTV allows the applications to be retrieved both from broadcast or broadcast. The broadcaster may enable both ways or one of them. If the platform does not have an operational broadcast connection, the platform can still launch applications transmitted on broadcast.
- The autostart red button applications generally provide links to other applications. The user then can switch to other applications by using the links provided.

The applications should provide a way to terminate themselves, usually the **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 capabilities for the platform. There are numerous applications providing VOD (user on demand) and catch-up TV services. The user can use play, pause, stop, forward, and rewind keys on the remote control to interact with the AV content.

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

*Note: You can enable or disable this feature from the Settings>Legal-Consent Settings menu.*

#### Smart Center

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

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

#### Getting Started

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

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

For media sharing feature the **Audio Video Sharing** option should be enabled (if available). Go to the navigation carousel on the Home screen and select **Settings>Devices** menu and press **OK**. Highlight **Audio Video Sharing** and change as **Enabled**. Your TV is ready to connect to your mobile device now.

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

Start the smart center application. If all connections are configured properly, you will see your TV's name on your mobile device. If your TV's name doesn't appear on the list, wait a while and tap on the **Refresh** 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 selected channels. Press on the channel thumbnail and hold. A list of channels will be displayed and you can choose your desired channel to be replaced.

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

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

**EPG**(Electronic programme guide): You can view the broadcast schedules of selected channel lists 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-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 last connected TV and skips the TV search screen.

**Charge TV:** Shows the currently connected TV. Search can press on this setting to go to the TV search screen and charge 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 set the selected channel list source as a constant choice. In this case if the selected source is available it 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.

**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.*

#### Follow Me TV Feature (if available)

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

Tap the play icon to start streaming of the content from the TV to your mobile device. Available if your device is in 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.

**Notes:**  
*Note that only digital (DVB-T/C/S) SD and HD channels are supported.*

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

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

#### Media Share Page

To access the **Media Share** widget tap on the **Up** arrow on the upper right side of the screen.

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

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

#### Smart Remote Feature

You can use your mobile device as a remote control for your TV once it has connected to the TV. To access smart remote's full features you can use the menu at the bottom middle 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 available for android based devices.*

#### Keyboard Page

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

#### Requirements

- Smart TV
- Network connection

3. Mobile device based on Android or iOS platform (Android OS 5.1 or higher, iOS 12 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)

**Notes:** For Android devices, Normal(mdpi), Large(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.

#### DVB functionality information

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

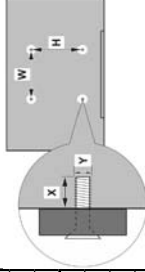
Although this DVB receiver conforms to the latest DVB specifications at the time of manufacture, we cannot guarantee compatibility with future DVB transmissions due to changes that may be implemented in broadcast signals and technologies.

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

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

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

VESA WALL MOUNT MEASUREMENTS			
Hole Pattern Sizes (mm)	W	H	
	400	200	
Length (X)	Screw Sizes		
	min. (mm)	10	
	max. (mm)	13	
Thread (Y)	M6		



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](http://doc.vosshub.com)





# WALKER

Glen Dimplex Ireland, Airport Road, Cloghran, Co. Dublin  
IRELAND K67DT89

Please scan the QR code to view this model's energy label and information found at <https://eprel.ec.europa.eu>



CE UK  
CA



50696730