BUSH

Instruction manual

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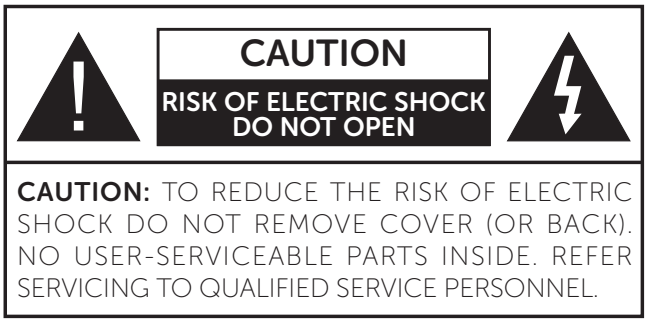
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1 Safety information

Safety information

Important - Please read these instructions fully before installing or operating



Don't operate your TV in extreme ambient conditions as this may cause damage to your TV.

Preparation

Place the TV on a solid even surface. For ventilation, leave a free space of at least 10 cm all around the TV. To prevent any fault and unsafe situations, do not place any objects on top of the TV. Use this TV in moderate climates.

Operation temperature and operation humidity: 0°C up to 40° C, 85% rel. humidity max. (not blocking ventilation openings).

Intended Use

This TV is used to receive and display TV programmes. The different connection options make an additional expansion of the reception and display sources possible (various external devices). This TV is only suitable for dry interior use. This TV is intended solely for private domestic use and may not be used for industrial and commercial purposes. We exclude liability in principle, if the TV is not used as intended, or unauthorised modifications have been made. To operate your TV in extreme ambient conditions may cause damage to your TV.

This TV is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instructions concerning use of the TV by a person responsible for their safety. Children should be supervised to ensure that they do not play with the TV.

Children may not recognise dangers. The swallowing of batteries can be fatal. Keep batteries always out of reach of small children. If a battery is swallowed, seek immediate medical attention. Keep the packaging films out of reach of children, there is a risk of suffocation.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock of persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the TV.

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

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

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.

SOME DO'S AND DON'TS ON THE SAFE USE OF THE TV

Please read the following recommended safety precautions carefully for your safety.

This TV has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

DO read the instruction manual before you attempt to use the TV.

DO ensure that all electrical connections (including the mains plug, extension leads and inter-connections between the pieces of TV) are properly made and in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug before making or changing connections.

DO consult your dealer if you are ever in doubt about the installation, operation or safety of your TV.

DO be careful with glass panels or doors on the TV.

DO route the power cord so that it is not likely to be walked on, crushed, chafed, or subjected to excessive wear and tear or heat.

DON'T remove any fixed cover as this may expose dangerous voltages.

Safety information

Important - Please read these instructions fully before installing or operating

DON'T obstruct the ventilation openings of the TV with items such as newspapers, tablecloths, curtains, etc. Overheating will cause damage and shorten the life of the TV.

DON'T allow electrical equipment to be exposed to dripping or splashing, or objects filled with liquids, such as vases, to be placed on the TV.

DON'T place hot objects or naked flame sources such as lighted candles or nightlights on, or close to the TV. High temperatures can melt plastic and lead to fires.

DON'T use makeshift stands and NEVER fix legs with wood screws - to ensure complete safety always fit the manufacturer's approved stand or legs with the fixings provided according to the instructions.

DON'T listen to headphones at high volume, as such use can permanently damage your hearing.

DON'T leave the TV switched on when it is unattended unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off using the switch, on the TV and make sure that your family know how to do this. Special arrangements may need to be made for infirm or handicapped people.

DON'T continue to operate the TV if you are in any doubt about it working normally, or if it is damaged in any way - switch off, withdraw the mains plug and consult your dealer.

ABOVE ALL

NEVER let anyone especially children push anything into holes, slots or any other opening in the TV - this could result in a fatal electrical shock.

NEVER guess or take chances with electrical equipment of any kind.

It is better to be safe than sorry!

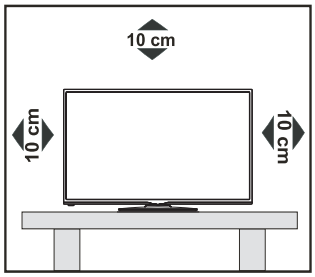
Power source

- The TV should be operated only from a 220-240 V AC, 50 Hz outlet.

WARNING: Do not leave your TV in standby or operating mode when you leave your house.

Positioning the TV

- For ventilation, please leave a clear space of at least 10cm all around the TV.



- **Do not** block the ventilation openings.
- **Do not** place the TV on sloping or unstable surfaces, the TV may tip over.
- To prevent damage to the TV, do not place any objects on top of the TV.

Power cord and plug

- Do not place the TV, a piece of furniture, etc. on the power cord (mains lead) or pinch the cord. Handle the power cord by the plug. Do not pull the plug by holding its neck, as this could result in damage to the plug. Do not unplug the TV by pulling from the power cord and never touch the power cord with wet hands as this could cause a short circuit or electric shock. Never make a knot in the cord or tie it with other cords. The power cords should be placed in such a way that they are not likely to be stepped on. A damaged power cord can cause fire or give you an electric shock. When it is damaged and needs to be replaced, it should be done by qualified personnel.
- This TV receiver is supplied with a moulded mains plug. The mains plug must not be cut off, as it may contain a special radio interference filter, the removal of which could lead to impaired performance. If you wish to extend the lead, obtain an appropriate safety approved extension lead or consult your dealer.
- Observe the manufacturers instructions when connecting extension leads to the TV. Check the fuse rating on the new plug; this should be fitted with a 5 Amp fuse which conforms to either ASTA or BSI (BS1362) approvals, these are easily identifiable by either the ASTA or BSI symbols. If you are in any doubt about the installation of an extension lead, please consult a competent electrician.

Safety information

Important - Please read these instructions fully before installing or operating

Moisture and Water

- **Do not** use this TV in a humid or damp place (avoid bathrooms, the sink in the kitchen, and near the washing machine).
- **Do not** expose this TV to rain or water.
- **Do not** place objects filled with liquids, such as flower vases, on top of the TV. Avoid from dripping or splashing.
- If any solid object or liquid falls into the cabinet, unplug the TV and have it checked by qualified personnel before operating it any further.

Ventilation

- The slots and openings on the TV are intended for ventilation and to ensure reliable operation.
- To prevent overheating, these openings must not be blocked or covered in anyway.

Heat sources and Flames

- **Do not** expose the TV to direct sunlight or other heat sources.
- The TV should not be placed near to open flames and sources of intense heat such as an electric heater.
- Ensure that no open flame sources, such as lit candles, are placed on top of the TV.



Headphone Volume

- Excessive sound pressure from earphones and headphones can cause hearing loss, please take care.



Wall Mounting (optional)

- To prevent injury, this TV must be securely attached to the wall in accordance with the installation instructions (if the option is available).

LCD Screen

- Occasionally, a few non-active pixels may appear on the screen as a fixed blue, green or red point. Please note that this does not affect the performance of your TV.
- Take care not to scratch the screen with fingernails or other hard objects.

Cleaning

- Before cleaning, unplug the TV from the wall socket.
- **Do not** use liquid or aerosol cleaners. Only use a soft, dry cloth.

Batteries

WARNING: Incorrect installation of batteries may cause battery leakage and corrosion, resulting in damage to the remote control.

- **Do not** mix old and new batteries, or batteries of different types.
- **Do not** dispose of batteries in a fire.
- **Do not** dispose of batteries with normal household waste, take to a local recycling centre.



CAUTION: Insert the batteries / rechargeable batteries in the correct polarity. Don´t try to recharge non rechargeable batteries and under no circumstances throw them into fire. Danger of explosion. Do not use unequal batteries (old and new, Alkaline and carbon, etc.) simultaneously. If you will not use the TV for a long time, remove the batteries and store the TV in a dry and dust free place. Improper use of batteries may cause an explosion or leakage. If the batteries have leaked, use gloves and clean the remote control thoroughly with a dry cloth! Batteries should not be exposed to heat, such as sunshine, fire or the like.

Replacement Parts

When replacement parts are required, make sure that the service technician has used replacement parts, which are specified by the manufacturer or have the same specifications as the original one. Unauthorised substitutions may result in fire, electrical shock or other hazards.

Taking out of service and storing

Unplug the TV from the mains and pack the TV in an appropriate cardboard box. Remove the batteries from the remote control and pack the remote control with the TV.

NOTE: The TV should be stored in a dry and dust-free room.

Connection to a TV Distribution System from Tuner

TV connected to the protective earthing of the building installation through the mains connection or through other apparatus with a connection to protective earthing- and to a TV distribution system using coaxial cable, may in some circumstances create a fire hazard.

Connection to a cable distribution system has therefore to be provided through a device providing electrical isolation below a certain frequency range (galvanic isolator, see EN 60728-11).

CAUTION

Do not put your fingers in the middle between the TV and stand, especially when you carry the TV, as they may be injured.

Safety information

Important - Please read these instructions fully before installing or operating

WARNING

Do not ingest the battery, Chemical Burn Hazard.

This TV or the accessories supplied with the TV may contain a coin/button cell battery. If the coin/button 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.

WARNING

A TV may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- ALWAYS use cabinets or stands or mounting methods recommended by the manufacturer of the TV.
- ALWAYS use furniture that can safely support the TV.
- ALWAYS ensure the TV is not overhanging the edge of the supporting furniture.
- ALWAYS educate children about the dangers of climbing on furniture to reach the TV set or its controls.
- ALWAYS route cords and cables connected to your TV so they cannot be tripped over, pulled or grabbed.
- NEVER place a TV in an unstable location.
- NEVER place the TV on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the TV to a suitable support.
- NEVER place the TV on cloth or other materials that may be located between the TV and supporting furniture.
- NEVER place items that might tempt children to climb, such as toys and remote controls, on the top of the TV or furniture on which the TV is placed.
- The TV is only suitable for mounting at heights ≤2 m.

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

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.

WARNING

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

Symbols in these Operating Instructions

The following symbols are used in this instruction manual as a marker for restrictions and precautions and safety instructions. Note such information for security reasons.

WARNING

If you do not pay attention to such a marked warning, it can cause serious injury or death. Note these warnings strictly, in order to ensure a safe operation.

CAUTION

Such a precaution is marked, you should take up or note, to avoid injury or property damage. Note these instructions strictly, in order to ensure a safe operation.

IMPORTANT

Warnings on the TV and restrictions are displayed like this. Read this information strictly in order to operate the system correctly and avoid damage.

NOTE

Information about the operation and additional explanations are marked like this. To be aware of such information is recommended to ensure that the functions can be used optimally.

Safety information

Important - Please read these instructions fully before installing or operating

Markings on the TV

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

Class II Equipment: This TV 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 TV contains Class 1 laser source that is safe under reasonably foreseeable conditions of operation.

The illustrations and the OSD in this instruction manual are for explanation purposes and may vary slightly from the actual operations. TV design and specifications may be changed without notice.

Hereby, Argos declares that the radio equipment type TFT IDTV is in compliance with Directive 2014/53/EU and Radio Equipment Regulations 2017. The full text of the declaration of conformity is available at the following internet address: **https://www.argos-support.co.uk/**

2 Getting to know your TV

Getting to know your TV

You'll be up and running in no time

Ready? Let's begin...

Please read these instructions carefully. They contain important information which will help you get the best from your TV and ensure safe and correct installation and operation.

If you require any further assistance, our technical experts are happy to help. For full details, refer to the product support section at the end of these instructions.

Accessories Included

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

Features

- Remote controlled colour TV
- Fully integrated digital terrestrial TV (DVB-T-T2)
- HDMI inputs to connect other devices with HDMI sockets
- USB input
- OSD menu system
- Side AV input for external devices (such as DVD Players, PVR, video games, etc.)
- 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
- AVL (Automatic Volume Limiting)
- PLL (Frequency Search)
- Game Mode (Optional)
- Picture off function
- Ethernet (LAN) for Internet connectivity and service
- 802.11 a/b/g/n built in WLAN Support
- Audio Video Sharing
- HbbTV

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

Using this feature the TV can reproduce greater dynamic range of luminosity by capturing and then combining several different exposures. HDR/HLG promises better picture quality thanks to brighter, more realistic highlights, 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 and USB inputs. Set the corresponding HDMI source input to **Enhanced** in the **Settings>System>Sources** menu to watch HDR/HLG content, if it is received via an HDMI input. The source device should also be at least HDMI 2.0a compatible in this case.

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

Getting to know your TV

You'll be up and running in no time

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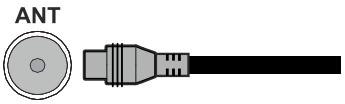
POWERED BY TiVo

HEVC Advance™ Covered by patents at patentlist.accessadvance.com

Antenna Connection

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

Rear side of the TV



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

Inserting the Batteries into the Remote

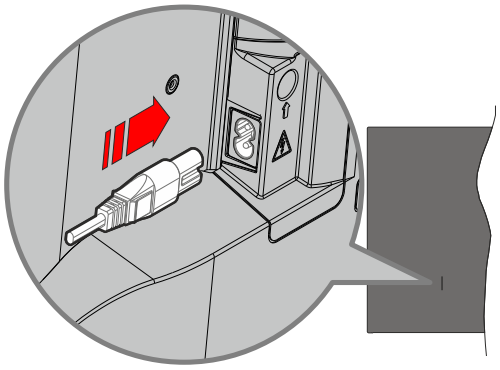
The remote may have a screw that secures the battery compartment cover onto the remote control (or this may be in a separate bag). Remove the screw, if the cover is screwed on previously. Then remove the battery compartment cover to reveal the battery compartment. Insert two 1.5V - size **AAA** batteries. 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 and must be replaced. Note that when the batteries are low, the performance of the remote control may be impaired.

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

Power Connection

IMPORTANT: The TV set is designed to operate on a **220-240V 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.

Getting to know your TV

You'll be up and running in no time

Switching On/Off

To Switch the TV On

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

To switch on the TV from standby mode either:

- Press the **Standby** button, **Programme +/-**, a numeric button, **Guide** button, **Netflix** button or **Freely** 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 3 seconds to activate this option. The icon colour of the option will change. Then press the button once again to turn the TV off.

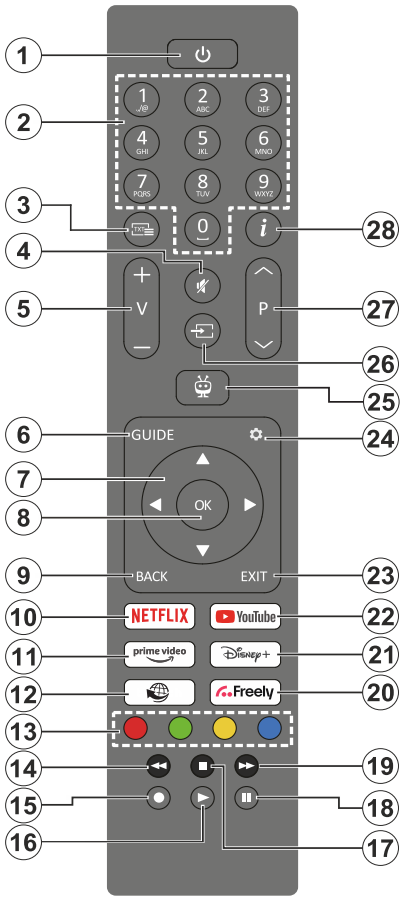
To power down the TV completely, unplug the power cord from the mains socket.

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.

Getting to know your TV

You'll be up and running in no time

Remote Control



(*) 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. If your TV stops responding to commands and the actions menu can not be displayed, the TV will be forced to restart when the button is kept pressed for about five seconds.

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

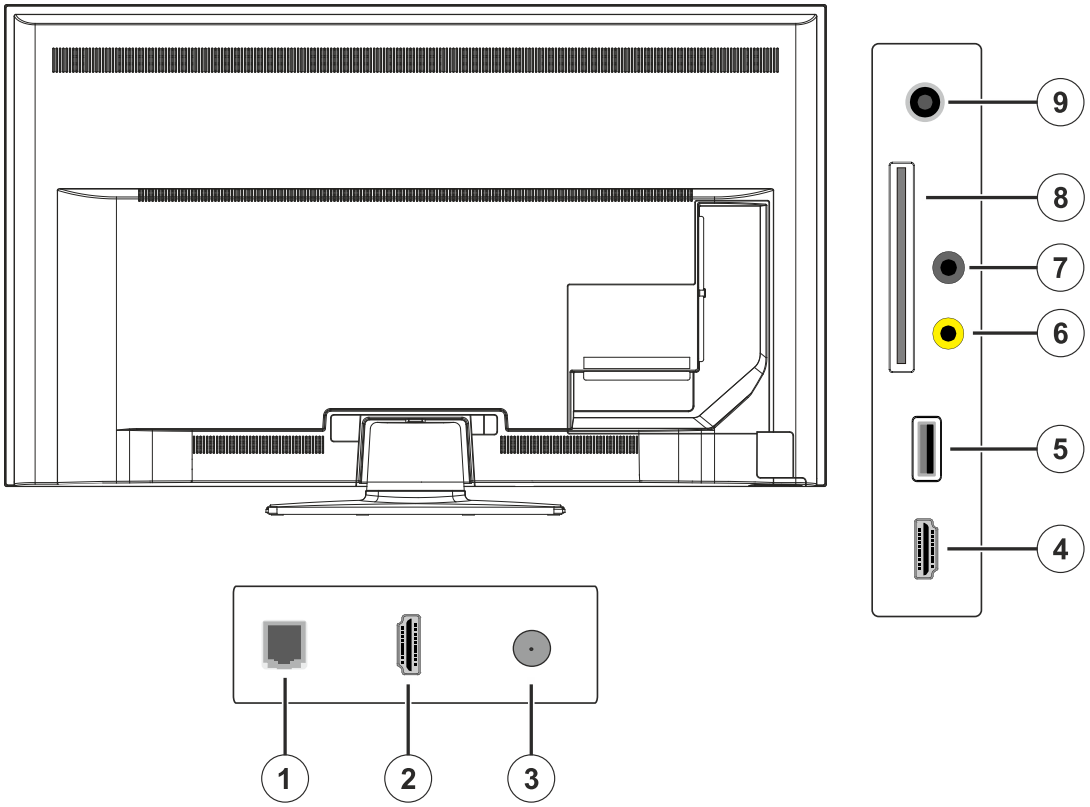
1. **Standby (*):** Standby / On (press briefly)
   Restart / Power Off (press and hold)
2. **Numeric buttons:** Switches the channel in Live TV mode, enters a number in the text box on the screen
3. **Text:** Displays teletext (where available). Press the button a second time to superimpose the teletext 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
10. **Netflix:** Launches the Netflix application
11. **Prime Video:** Launches the Amazon Prime Video application
12. **Internet:** Opens the Internet browser
13. **Coloured Buttons:** Follow the on-screen instructions for coloured button functions
14. **Rewind:** Moves frames backwards in media such as movies
15. No function
16. **Play:** Starts to play selected media
17. **Stop:** Stops the media being played
18. **Pause:** Pauses the media being played
19. **Fast Forward:** Moves frames forward in media such as movies
20. **Freely:** Launches the Freely platform (UK only)
21. **Disney+:** Launches the Disney+ 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 Home screen 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, shows hidden information (reveal - in Live TV-Teletext mode)

Connections 3

Connections

Bringing it all together

Connections

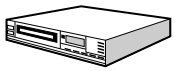
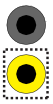
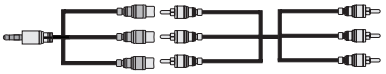
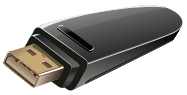
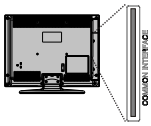
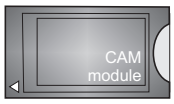


1. Ethernet Connection (LAN)
2. HDMI 2 (ARC) Connection
3. Antenna Connection (ANT)
4. HDMI 1 Connection
5. USB Connection
6. Side AV (Audio/Video) Connection
7. Headphone Connection
8. CI Connection
9. SPDIF Connection (Digital Audio)

Connections

Bringing it all together

Connections

Connector	Type	Cables	Device
	HDMI Connection (side&back)		
	Side AV (Audio/Video) Connection (side)	 Side Audio/Video Connection Cable; Audio/Video Cable	
SPDIF 	SPDIF (Coaxial Out) Connection (side)		
HEADPHONE 	Headphone Connection (side)		
	USB Connection (side)		
	CI Connection (side)		
LAN 	LAN/Ethernet Connection (back)	 LAN / Ethernet Cable	

When using the wall mounting kit (available from a third party in the market, if not supplied), we recommend that you plug in all cables before mounting the TV on the wall. Insert or remove the CI module only when the TV is SWITCHED OFF. You should refer to the module instruction manual for details of the settings. The/Each USB input of your TV supports devices up to 500mA. Connecting devices that have current value above 500mA may damage your TV. When connecting equipment using a HDMI cable to your TV, to guarantee sufficient immunity against parasitic frequency radiation, you have to use a high speed shielded (high grade) HDMI cable with ferrites.

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

Connections

Bringing it all together

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. You will be asked to set and confirm a PIN at this point. 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, the supported features of it may be displayed on the screen as an info banner or the pre-installed video file may be played back. This feature is intended 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** and press **OK**, a confirmation dialogue 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 settings. Highlight a feature and press **OK** to enable or disable. Read the relevant 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 from the **Settings>Legal>Consent Settings** menu. If the **Internet Connection** option is disabled the **Network/ Internet Settings** step 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@xperi.com and smarttvsecurity@vosshub.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 relevant services. Scroll the page to read the entire text using the **Programme +/-** or Up/Down directional buttons. Highlight **Accept** and press **OK** on the remote to confirm and proceed. Highlight **Cancel** and press **OK** to proceed without confirmation.

You will need to agree to the terms and conditions of the Manufacturer next to make use of the relevant services. Scroll the page to read the entire text using the **Programme +/-** or Up/Down directional buttons. Highlight **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 **Networked Standby Mode** option for 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 Device**, available networks will be listed. Highlight **Next** again when you are done and press **OK** to continue. If you want to connect to a wireless network at a later time, highlight **Setup Later** and press **OK**.

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

About Selecting Broadcast Type

To turn a search option on for a broadcast type highlight it and press the **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.

Connections

Bringing it all together

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 **TiVo, Back** or **Exit** button to cancel the search. The channels that have already been found will be stored in the channel list.

Postcode Selection screen will be displayed after the aerial channel search is completed. Enter your postcode to receive your regional channels. Available channels will be searched and installed. The channel search will continue with other types of broadcasts if any are selected in the broadcast type selection screen.

Once the channel installation is complete, the Freely TV-App installation steps will be displayed. In order to access Freely services, this application needs to be installed. Follow the steps to complete the installation. For further requirements for Freely services refer to the **Freely Platform** section. When you install the application, the elements of the user interface such as channel info banner and electronic programme guide, which are normally provided by the TV, will be replaced by this application.

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

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

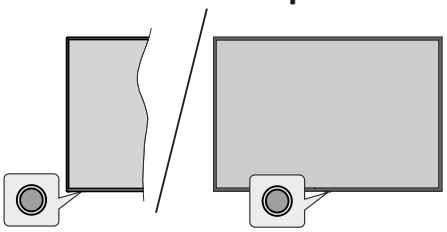
Note: Do not turn off the TV while performing first time installation. Note that, some options may not be available depending on the country selection.

4 Standard features

Standard features

Simple everyday use

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 3 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 3 seconds to activate this option. The icon colour of the option changes when activated. Then press the button once again to turn the TV off.

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

To change volume: Press the control button to display the function options menu and then press the button consecutively to move the focus to **Volume +** or **Volume -** option. Press and hold the button for about 3 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 3 seconds to activate the selected option. The icon colour of the option changes when activated. Then press the button to switch to the next or previous channel in the channel list.

To change source: Press the control button to display the function options menu and then press the button consecutively to move the focus to **Source** option. Press and hold the button for about 3 seconds to activate this option. The icon colour of the option changes when activated. Then press the button once again to display the sources list. Scroll through the available sources by pressing the button. TV will automatically switch to the highlighted source.

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

Operation with the Remote Control

Press the **TiVo** 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 actions for this button. **Restart**, **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.

Standard features

Simple everyday use

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 as TiVo OS gets to know you better. For example, 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.

Press the **Source** button on the remote, highlight the **TV** input source option, and press **OK** to switch to Live TV mode and watch TV channels. If the last input source used was **TV,** you can also use the **Exit** button to switch to Live TV mode.

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 **All 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. All Apps Screen

Use the **All 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. Press and hold the **OK** button to select or unselect the apps. Your app selections do not affect 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: **Live TV**, **Guide**, **All Apps**, **Freely**, **Sources**, **Channel List**, **Recordings** (depends on the model), **Timers**, and **Settings**.

3. Browse Screens

Selecting **TiVo+ 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 **All 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 favourites 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.

To add a show, select + **Watchlist** on its Content Details screen. The plus changes to a bookmark.

To remove a show, go to its 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 watching. Go to the Content Details screen of a show and select **Rate**. Choose Thumbs 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. The results appear on the screen as you type. Press the **Back/Return** button or highlight **Done** and press **OK** to close the keyboard. 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

Standard features

Simple everyday use

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>System >More** menu) could have been set to a value between 1 and 8 hours by default. If this setting is not set as **Off** and the TV has been left on and not been operated during the set time, it will switch into standby mode after the set time has expired. When you next switch-on the TV, the following message will be displayed: **"TV switched to standby 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 changing the setting of the **Auto Power Down** option from the **Settings>System>More** menu.

Using the Channel List

Freely TV-App Not Installed

The TV sorts all stored stations in the channel list. You can edit this channel list 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 tab 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/Untag channel** option. Select the desired channel on the list by pressing the **OK** button while the channel is highlighted. You can make multiple selections. You can also use the **Tag/Untag All** 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 channel/s will be added to the list. In order to remove a channel or channels from a favourite list follow the same steps and set the desired list option to **Off**.

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

5 Advanced features

Advanced features

Getting the most from your TV

Media Playback via USB Input

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

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

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

You can use USB hubs with your TV's USB input(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 1000 media files per folder.

Media Browser

You can play back audio and video files and display image files stored on a USB storage device by connecting it to your TV. Connect a USB storage device to the USB input 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 **Sources** 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. The **Settings** menu can be accessed from the information bar displayed at the bottom of the screen while a video or audio file is being played or an image file is being displayed. Press the **Info** button if the information bar has disappeared, highlight the gear wheel symbol positioned on the right side of the information bar and press **OK**. The **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 vary depending on the type of media file currently open. 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 continuously played in original order
Start playback and activate	The same file will be played continuously (repeat)
Start playback and activate	All files in the list will be played once in random order
Start playback and activate ,	All files in the list will be continuously played in the same random order

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

Custom Boot Up Logo

You can personalise your TV and see your favourite image or photo on the screen each time 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 **Sources** menu on the Home screen and press **OK**. You can also press the **Source** button on the remote and then select your USB storage device from the list of sources. 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. The **Set Boot Logo** option will be available. Highlight it and press **OK** again 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 **Restore Default Boot Logo** option in the **Settings>System>More** menu to restore the default boot logo. If you perform factory reset, 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 .jpeg or .jpg file formats. The image cannot be set as boot logo, if its resolution doesn't appear on the info 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 Centre 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 **Sources List** menu. When a new CEC source device is connected, it will be listed in **Sources** menu with its own name instead of the connected HDMI port's name (such as DVD Player, Recorder 1, etc.).

The TV remote is automatically able to perform the main functions after the connected HDMI source has been selected. To terminate this operation and control the TV via the remote again, press and hold the "0-Zero" button on the remote control for 3 seconds.

You can disable the CEC functionality by setting the related option under the **Settings>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 (A/V receiver or speaker system).

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

Note: ARC is supported only via the HDMI2 input.

System Audio Control

Allows an Audio Amplifier/Receiver to be used with the TV. The volume can be controlled using the remote control of the TV. To activate this feature set the **Sound Output** option in the **Settings>Sound** menu as **HDMI ARC**. When **HDMI ARC** option is selected, **CEC** option will be set as **Enabled** automatically, if it is not already set. The TV speakers will be muted and the sound of the watched source will be provided from the connected sound system.

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

E-Manual

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

To access the E-Manual, enter 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 **Back/Return**, **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.

To Program Your SKY Remote For Your TV

1. Make sure your SKY box is connected to your TV
2. Turn your TV and SKY box on
3. Press TV on your SKY remote control handset
4. Hold down SELECT and the RED button together for about two seconds, until the red light on the SKY remote blinks twice.
5. Key in 0808 on your SKY remote. The light on the SKY remote should blink twice
6. Press the STANDBY button on your SKY remote control. Your TV should now switch off.
7. Press SELECT again. The light on your SKY remote control should now blink twice

You should now be able to control some basic functions on your TV from your SKY remote control (e.g. volume up/down, programme up/down).

*If this number does not work, please go to SKY website to find the alternative number to operate the TV.

Configuring Parental Settings

The **Parental** menu options can be used to prohibit users from the 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 entering the correct PIN, parental setting options will be displayed.

Menu Lock: This setting enables or disables access to all menus or to the **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 or factory reset is set as France, Italy or Austria, **Maturity Lock**'s value will be set to 18 as default.

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

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

Note: To access this menu, use the PIN that you have defined during the first time installation or factory reset. 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, you can unblock the PIN entry or reset the retry count to zero by turning the TV off and on.

Some options may not be available depending on the model and/or on the country selection during the first time installation or factory reset.

Some apps will have their own Parental settings.

Electronic Programme Guide

Freely TV-App Not Installed

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

To access the programme guide, press the **Guide** button on your remote. You can also use the **Guide** option on the Home screen. The current channel (if on the TV source) or the last channel watched (if on the Home screen) should be a digital channel. Otherwise, the guide cannot be displayed.

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

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

Timeline Schedule

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

Press 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 **Now/Next** and press **OK**. You can use the **Previous Day** and **Next Day** options to display the events of the previous and next day.

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

Highlight Genre: Displays the **Highlight Genre** menu. Select an option and press **OK**. The events in the programme guide matching the selected genre will be highlighted.

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

Now: Returns back to the current time on the timeline.

Zoom: Highlight and press **OK** to change the time interval on the timeline.

Now/Next Schedule

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

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

Notes: You cannot switch to any other channel while there is an active timer on the current channel.

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

Freely TV-App Installed

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

To access the programme guide, press the **Guide** button on your remote. You can also use the **Guide** option on the Home screen. Or you can press the **Freely** button on your remote control to connect to the Freely platform. Then highlight the **TV Guide** tab on the main screen and press **OK**.

Use the directional buttons to navigate through the programme guide.

Integrated Catch-Up Services

You can enjoy catch-up TV services that work directly through the electronic programme guide. Whilst you are on a channel use the directional buttons to scroll through the guide. Available catch-up content may change according to broadcasters. Highlight the content you want to play back and press the **OK** button.

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

Teletext Services (where available)

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

Digital Teletext

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

MHEG Teletext

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

- Press the **Text** or **Red** button
- The digital teletext information appears
- Operate it with the coloured buttons, directional buttons and **OK** button

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

BBC Red Button+ (RB+)

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

Software Upgrade

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

Software upgrade search via user interface

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 the **OK**. Then highlight the **Scan for upgrade** option and press **OK** to check for a new software upgrade.

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

Advanced features

Getting the most from your 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 fails 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.

Advanced features

Getting the most from your TV

Settings Menu Content

Devices Menu Content	
Virtual Remote	Enable or disable the virtual remote feature.
Audio Video Sharing	This feature allows you to share files stored on your smartphone or tablet pc. If you have a compatible smartphone or tablet pc and the appropriate software is installed, you can share/play photos, music and videos on your TV. See instructions of your sharing software for more information.
ALLM	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 **Game** automatically when ALLM mode signal is received from the current HDMI source.
Timer of No Signal	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.
CEC	With this setting you can enable and disable CEC functionality completely. Press Left or Right button to enable or disable the feature.
CEC Auto Power On	This function allows the connected HDMI-CEC compatible device to turn on the TV and switch to its input source automatically. Press Left or Right button to enable or disable the feature.

Advanced features

Getting the most from your TV

Picture Menu Content		
Mode		You can change the picture mode to suit your preference or requirements. Picture mode can be set to one of these options: **Cinema**, **Game**, **Sports**, **Dynamic** and **Natural**. **Note:** Available options may differ depending on the input source.
	Contrast	Adjusts the light and dark values on the screen.
	Brightness	Adjusts the brightness values on the screen.
	Sharpness	Sets the sharpness value for the objects displayed on the screen.
	Colour	Sets the colour value, adjusting the colours.
Energy Saving		For setting the **Energy Saving** to **Custom**, **Minimum**, **Medium**, **Maximum**, **Auto**, **Screen Off** or **Off**. **Note:** Available options may differ depending on the selected **Mode**.
	Backlight	This setting controls the backlight level. This option (will be located under the **Energy Saving** setting) will be available if the **Energy Saving** is set to **Custom**. Highlight and use the Left/Right directional buttons to set.
Picture Zoom		Sets the desired image size format.
	Picture Shift	This option (will be located under the **Picture Zoom** setting) may be available depending on the **Picture Zoom** setting. Highlight and press **OK**, then use directional buttons to shift the picture upwards or downwards.
Advanced Settings		
	Dynamic Contrast	You can change the dynamic contrast ratio to desired value.
	Colour Temp	Sets the desired colour temperature value. **Cool**, **Normal**, **Warm** and **Custom** options are available.
	White Point	If the **Colour Temp** option is set as **Custom**, this setting will be available (will be located under the **Colour Temp** setting). Increase the 'warmth' or 'coolness' of the picture by pressing Left or Right buttons.
	Blue Stretch	White colour enhancement function that makes white colour more cooler in order to make more bright picture. Set as **On** to enable.
	Micro Dimming	**Low**, **Medium**, **High** and **Off** options are available. While **Micro Dimming** is active, it will enhance contrast locally for each defined zone.
	Noise Reduction	**Low**, **Medium**, **High** and **Off** options are available. If the signal is weak and the picture is noisy, use the **Noise Reduction** setting to reduce the amount of noise.
	Film Mode	Films are recorded at a different number of frames per second to normal television programmes. Set to **Auto** when you are watching films to see the fast motion scenes clearly.
	Skin Tone	Skin tone can be changed between -5 and 5.
	Colour Shift	Adjust the desired colour tone.
	Colour Tuner	Opens colour tuner settings. Set the **Colour Tuner** as **Enabled** to adjust the **Hue**, **Colour** and **Brightness** values manually.
	Colour Space	Set your colour space preference. **Auto**, **On**, **REC709**, **BT2020**, **ADOBERGB**, **DCI_P3**, and **Off** options are available.
	Gamut Mapping	You can use this option to set the range of colours displayed on your TV screen. When set as **On**, colours are set according to the source signal. When set as **Off**, the TV's maximum colour capacity is used by default (recommended option). **Note:** This option may not be available depending on the TV model and its features.

Advanced features

Getting the most from your TV

Gamma	You can use this option to set your gamma preference. Press Left/Right directional buttons to set to **Normal**, **Bright** or **Dark**. **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.
HDMI Full Range	While watching from a HDMI source, this feature will be visible. You can use this feature to enhance blackness in the picture.
11 Point White Balance Correction	White balance feature calibrates TV's colour temperature in detailed grey levels. By visually or measurement, grey scale uniformity can be improved. Adjust the strength of the **Red**, **Green**, **Blue** colours and **Gain** value manually. Highlight this option, press **OK**, and then set the desired white balance correction option (11 point or 2 point) to **Enabled** to turn it on.
Reset	Resets the current picture mode settings to factory default settings.

Advanced features

Getting the most from your TV

Sound Menu Content	
Dolby Audio	You can select one of the preset sound modes depending on the genre of the content you are watching. **Smart**, **Movie**, **Music**, **News**, and **Off** options will be available. Set to **Off** to disable. **Note:** Some items in the **Sound** menu will be greyed out and unavailable if set to an option other than Off. The settings for some other options may also change depending on the current settings.
DTS Virtual:X	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 preset sound modes. **Music**, **Sports, Cinema** and **Off** options will be available. Set as **Off** to disable. **Note:** Some items in **Sound** menu will be greyed out and unavailable if set to an option other than **Off**. Settings of some other options may also change depending on the current settings.
Sound Output	Sets the sound output preference. **TV**, **S/PDIF**, **HDMI ARC**, **Headphone Only** and **Lineout** 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 **Headphone Only**, TV speakers will be muted when headphones are is plugged in. When you connect an external amplifier to your TV using the headphone jack, you can select this option as **Lineout**. If you have connected headphones to the TV, set this option as **Headphone Only**. Please ensure before using headphones that this menu item is set to **Headphone Only**. If it is set to **Lineout**, the output from the headphone socket will be set to maximum which could damage your hearing. If the **HDMI ARC** option is selected, **CEC** feature will be enabled. **Note:** Depending on the selected option some items in the **Sound** menu will appear as greyed out and will be unavailable.
AVL (Automatic Volume Limiting)	Sets the sound to obtain fixed output level between programmes. When the **Dolby Audio** menu item is set to an option other than **Off**, the **AVL** setting options change. **Auto**, **Night**, **Normal**, and **Off** options will be available. In Auto mode the TV will switch to **Normal** or **Night** mode automatically depending on the current time information. If no time information is available, this option will always function as **Normal**. When the TV switches to **Night** mode for the first time after setting this option to **Auto**, an information bar will pop up on the screen. Please note that **Night** mode provides more aggressive dynamic compression control than **Normal** mode, which is suitable for quiet environments.
Advanced Settings	
Equalizer	Selects the equalizer mode. Custom settings can be made only when in **User** mode.
Dynamic Bass	Enables or disables the Dynamic Bass.
DTS DRC	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 **DTS DRC** option by setting to **On** or **Off**.
Sound Mode	You can select a sound mode if the channel you are watching supports it. This option will not be available if no channels are installed.

Advanced features

Getting the most from your TV

Digital Out	Sets digital out audio type. **PCM**, **Auto**, and **Passthrough** options will be available. **PCM:** This option provides two-channel uncompressed digital audio output. You can use this option if you experience compatibility problems such as not hearing sound. **Auto:** This option provides multi-channel digital audio output (up to 5.1 channel). **Passthrough:** This option provides original audio output as such in HDMI ARC. If your A/V receiver does not support source audio format you may experience compatibility problems such as not hearing sound.
Headphone	Sets headphone volume. This option will not be available if the **Sound Output** option is set as **Lineout**. Please ensure before using headphones that the headphone volume is set to a low level, to prevent damage to your hearing.
Balance	Adjusts the balance level of the TV speakers and headphones together.
Reset	Resets some of the sound settings to factory defaults.

Advanced features

Getting the most from your TV

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

Advanced features

Getting the most from your TV

Installation Menu Content	
Automatic Channel Scan (Retune)	Displays automatic tuning options. **D. Aerial:** Searches and stores aerial DVB stations. **Internet (IP) Channels only:** Searches and stores Internet (IP) channels. This option will not be available if the **Scan Internet (IP) Channels** option in the **Internet (IP) Channels Settings** menu is set to **Off**.
Manual Channel Scan	This feature can be used for direct broadcast entry.
Network Channel Scan	Searches for the linked channels in the broadcast system. **D. Aerial:** Searches for aerial network channels.
Clear Service List	Use this setting to clear channels stored.
Signal Information	You can use this menu item to monitor signal related information such as signal level/ quality, network name, etc. for available frequencies.
Internet (IP) Channels Settings	Displays Internet (IP) channels settings. **Scan Internet (IP) Channels:** You can enable or disable the search for available Internet channels by setting this option to **On** or **Off**.
Factory Reset	Deletes all stored channels and settings, resets TV to factory settings.

Advanced features

Getting the most from your TV

System Menu Content		
Accessibility		Displays accessibility options of the TV. Some options will not be available if no channels are installed.
	High Contrast	Increase the contrast of the menu options and texts to make them easier to read. **White Text**, **Yellow Text** and **Off** options will be available.
	Subtitle	Turns the subtitle on or off.
	Hard Of Hearing	Enables any special feature sent from the broadcaster.
	Audio Description	A narration track will be played for the blind or visually impaired audience. Press **OK** to see all available **Audio Description** menu options. This feature is available only if the broadcaster supports it.
	Dialogue Enhancement	This feature provides sound post-processing options for speech-gated dialogue enhancement. **Off**, **Low**, **Medium** and **High** options will be available. Set according to your preference. **Note:** This feature has an effect only if input audio format is AC-4 and this effect only applies to TV loudspeaker output.
	Spoken Subtitles	Default preference of spoken subtitles is selected with this setting option. To make spoken subtitles priority higher than normal ones, this option should be set to **On**. This option may not be available depending on the model of your TV.
	Magnification	Enables the use of button combinations to magnify the screen. **On** and **Off** options will be available. Set as **On** to enable. Magnification support will be enabled or disabled with long-press of the numeric button **5**. First top-left quadrant of the screen will be zoomed. After the magnification support is enabled, a long-press of the numeric buttons **2**, **4**, **6**, **8** will move the zoomed area to up, left, right and down.
	Minimap	Minimap is enabled and deactivated by default. It will be activated when the **Magnification** feature is enabled. With this option, you can prevent magnification feature from displaying the minimap.
	Highlight programmes with	
	[S] Subtitle	If this option is enabled and if any electronic programme guide event has "Subtitle" access service, these events will be highlighted with another colour.
	[SL] Sign Language	If this option is enabled and if any electronic programme guide event has "Sign Language" access service, these events will be highlighted with another colour.
	[AD] Audio Description	If this option is enabled and if any electronic programme guide event has "Audio Description" access service, these events will be highlighted with another colour.
Language		You may set a different language depending on the broadcaster and the country.
Conditional Access		Controls conditional access modules when available.
Parental		Enter correct PIN to change parental settings. You can easily adjust **Menu Lock, Maturity Lock, Child Lock, Guidance** or **Internet Lock** in this menu. You can also set a new PIN or change the **Default CICAM PIN** using the related options. **Note:** Some menu options may not be available depending on the country you selected during the first time installation or factory reset process. To access this menu, use the PIN that you have defined during the first time installation or factory reset.
Date/Time		Sets date and time.

Advanced features

Getting the most from your TV

Sources	Edit the names, enable or disable selected source options. There are also **Regular** and **Enhanced** options available for HDMI sources. These options are affecting the colour settings of the selected HDMI source. To be able to watch HDR/HLG images from an HDMI source,corresponding source input should be set to **Enhanced** if the connected device is compatible with HDMI 2.0a and subsequent versions. Set as **Regular** if the connected device is HDMI 1.4 compatible. Set accordingly or disable the corresponding HDMI source by setting to **Disabled**.
Netflix	If this feature is supported by your TV, you can view your ESN(*) number and deactivate Netflix. (*) ESN number is an unique ID number for Netflix, created especially to identify your TV. **Note:** When you start to stream video content via the internet the quality of your connection will be analyzed and the full HD (availability depends on the model) 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.
TiVo	You can view the Hardware Serial Number (HSN) and Device Logging Identifier (DLID) information of your TV.
Freely	You can configure the Freely settings or uninstall the application.
More	Displays other setting options of the TV.
Menu Timeout	Changes timeout duration for menu screens.
Home Screen Saver	Set the screensaver options for Home screen. You can set a wait time for the screensaver or disable it by using the available options.
Standby Mode LED	If set as **Off** the standby mode LED will not light up when the TV is in standby mode.
Device Identification	When this option is enabled it causes a 'Device ID' to be generated internally for each Web origin visited. When disabled all the current 'Device ID's' are cleared for each Web origin that was visited. You can enable or disable this feature by setting it as **On** or **Off**.
Software Upgrade	Ensures that your TV has the latest software. Press **OK** to see the menu options.
Application Version	Displays current software version.
Subtitle Mode	This option is used to select which subtitle mode will be on the screen (**DVB** subtitle / **Teletext** subtitle) if both are available. Default value is **DVB** subtitle. This feature is available if channels are installed and the country option is set as Norway during the first time installation or factory reset.
Auto Power Down	Sets the desired time for the TV to automatically go into standby mode when not being operated. This option can be set from 1 to 8 hours in steps of 1 hour. You can also disable this option by setting as **Off**.
Standby On Mode	Configures your TV's auto launch preference. The **Home Screen** and **Last Source** options are available.
Sleep Timer	Define a time after which you want your TV to enter sleep mode automatically. Set to **Off** to disable.
Store Mode	Select this mode for store display purposes. Whilst **Store Mode** is enabled, some items in the TV menu may not be available. For some models **Enabled with video** option 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.
Power Up Mode	This setting configures the power up mode preference. **Last State** and **Standby Mode** options are available.
OSS	Displays Open Source Software licence information.

Advanced features

Getting the most from your TV

Restore Default Boot Logo	Restores the default boot logo. A confirmation message will be displayed. Select **Yes** and press **OK**. This option may not be available depending on the model of your TV and its features.
Change Friendly Name	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 factory reset is performed.
Application Priority	You can set your preference regarding the priority between the broadcast applications and CICAM App MMI 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.
Manuals	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 during the first time installation or factory reset process.

Advanced features

Getting the most from your TV

Legal Menu Content		
Privacy Policies		Displays the privacy policy information.
Terms & Conditions		Displays the terms and conditions for TiVo Smart TV Service and manufacturer.
Consent Settings		You can use the options here to manage your consent settings. Highlight a feature and press **OK** 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 **Programme +/-** or Up/Down directional buttons to scroll up and down to read the entire text.
Advertising ID		Displays the advertising ID. You can also reset it using the related option here.
Company Information		Displays the company information.
Transparency Disclosure		Displays the transparency disclosure.
Cookies		
	Show All Cookies	Displays all saved cookies.
	Delete All Cookies	Deletes all saved cookies.
	Do Not Track	You can set your preference regarding the tracking behaviour for HbbTV services using this option.

Advanced features

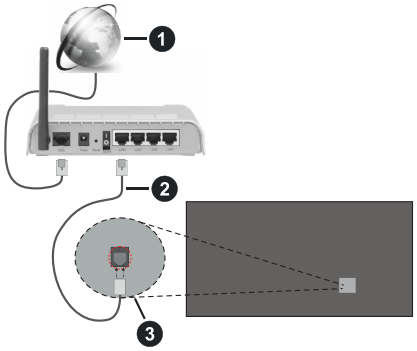
Getting the most from your TV

Connectivity

Wired Connectivity

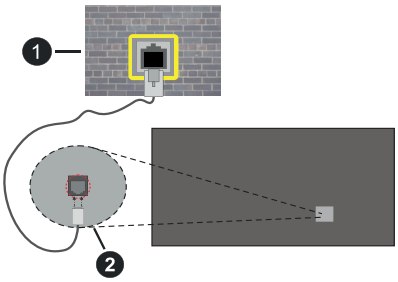
To Connect to a Wired Network

- 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 side 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 the 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. The TV will check the internet connection bandwidth and display the result when complete.

Advanced Settings

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

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.

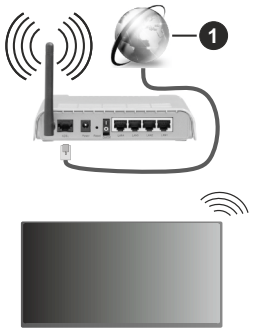
Other Information

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.

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 may also be cut off or may get disconnected depending on the radio wave conditions, DECT phones or any other WLAN 11b appliances. The standard values of the transmission 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, thus your TV will connect to the same network automatically whenever you switch to wireless connection. To disconnect from a wireless network and delete the saved wireless network profile, highlight **Disconnect** and press **OK**.

Press WPS on your wifi router

If your router has WPS, you can directly connect to the modem/router without entering a password or adding the network 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 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

in the **Sources** menu and press **OK**, available media server devices in the network will be displayed. Select your mobile device and press the **OK** button to continue.

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

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

Networked Standby Mode

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

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

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

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

Wireless Display

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

Using with mobile devices

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

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

A screen appears stating that the TV is ready for 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 supports this feature. There may be incompatibility problems with the operating system versions which are released after the production of this TV. Scanning and connecting processes differ according to the program you use.

Connectivity Troubleshooting

Wireless Network Not Available

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

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

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

Connection is Slow

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

Disruption during playback or slow reactions

You could try the following in such a case:

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

Internet Connection Not Available / Audio Video Sharing Not Working

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

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

Invalid Domain

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

Using Audio Video Sharing Network Service

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

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

1. Server Software Installation

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

2. Connect to a Wired or Wireless Network

See the **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.

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

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

Note: There may be some 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 **All Apps** screen to control which apps TiVo OS uses to recommend titles from on the Home, TV Shows, and Movies screens. Select **All Apps** from the Main Menu or the **My Apps** carousel on the Home Screen, then press and hold the **OK** button to select or unselect the apps on the All Apps screen. The apps you select display in the **My Apps** carousel on the Home screen.

Your app selections do not affect 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.

Notes:

While many apps are free, a subscription, rental, or purchase may be needed to watch titles 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.

Freely Platform

Freely platform provides integrated catch-up TV services. Simply press the **Freely** button on your remote control to connect to the Freely platform.

The Freely platform can also be accessed from the navigation carousel. Go to the Home screen and scroll to the navigation carousel. Then highlight **Freely** and press the **OK** button.

You will have to agree to the terms and conditions for Freely services first if you did not agree to them during the first time installation. Highlight **Yes** and press **OK** to confirm and proceed. Then a dialogue will be displayed asking whether you want to install Freely TV-App. Highlight **Yes** and press **OK** to continue with the installation. You will be directed to a screen where you can carry out the installation.

The Freely platform main screen will be displayed. Here you can access content such as live TV channels, TV apps,

TV shows, and movies divided into categories. Select a content that you want to play back and press **OK** to watch.

Catch-up content can also be accessed and played back directly from the TV Guide. Highlight the **TV Guide** tab on the Freely platform main screen and press **OK** or press the **Guide** button on the remote control to open the TV Guide. Refer to the section **Electronic Programme Guide** for more information.

Integrated Catch-Up Services

Note: Before connecting to the Freely platform, make sure that you follow the steps below, otherwise you will not be able to access the Freely platform:

- Connect TV to the internet (via WLAN or Ethernet)
- Accept the T&Cs to enable Freely services
- Install the Freely TV-App
- A minimum broadband speed of 2Mbps is required to watch catch-up and on demand services

This will count towards any monthly broadband data allowance. Only selected channels provide 7-day catch- up.

Without the internet connection you will not be able to access the Freely platform.

Accessing Freely catch-up TV services

1. Freely via the Electronic Programme Guide

You can enjoy catch-up TV services that work directly through the electronic programme guide. Whilst you are on a channel use the directional buttons to scroll through the guide. Available catch-up content may change according to broadcasters. Highlight the content you want to play back and press the **OK** button.

Note: The content available on the electronic programme guide is driven by TV channels themselves and will only display if the channel content is available. When you select a programme, Freely will directly launch the catch-up service.

2. Freely via the 'Freely button'

Click **Freely** button on your remote control.

This will bring up the Freely platform, where you can choose the channel and programme to watch with ease.

3. Freely via the TV Menu

Press the **Tivo** button, go to the navigation carousel and select **Freely.** You will see the familiar Freely platform and be able to choose the channel and programme you'd like to watch.

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 browser bar which contains previous/next buttons, the refresh button, the address/search bar, the **Speed Dial** and the **Vewd** 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 **Vewd** 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 **Vewd** menu options to manage the browser. Highlight the **Vewd** 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.

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

Type in keyword/s into the search/address bar and highlight the **Enter** button on the virtual keyboard and press the **OK** button to start a search for the related websites.

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

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

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

Advanced features

Getting the most from your TV

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

All sites on the internet might not be supported. Depending on the site, content issues may occur. In some circumstances, video content may not play.

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 services for consumers using connected TVs and set-top boxes. Services delivered through HbbTV include traditional broadcast TV channels, catch-up services, video-on-demand, electronic programme guide, interactive advertising, personalisation, voting, games, social networking and other multimedia applications.

HbbTV applications are available on channels where they are 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 the **Red** button. It should be noted that the red button switching capability is provided by the application and some applications may behave differently (other colour buttons such as green, yellow, blue, may be defined for some other functions, e.g. shortcuts).

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

- The application can continue running.
- The application can be terminated.
- The application can be terminated and another autostart red button application can be launched.

HbbTV allows the applications to be retrieved both from broadband or broadcast. The broadcaster may enable both ways or one of them. If the platform does not have an operational broadband connection, the platform can still launch applications transmitted on broadcast.

The autostart red button applications generally provide links to other applications. The user then can switch to other applications by using the links provided. The applications should provide a way to terminate themselves, usually 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 capability for the platform. There are numerous applications providing VOD (video on demand) and catch-up TV services. The user can use play, pause, stop, forward, and rewind keys on the remote control to interact with the AV content.

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

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

Advanced features

Getting the most from your TV

Smart Centre

Smart Centre 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 portal 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 Centre** application onto your mobile device.

Start the smart centre 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 the actual channel list from the TV first when it starts.

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

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

RECORDINGS: You can view your active recordings (if available) and reminders through this tab. To delete 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.

Change TV: Shows the currently connected TV. You can press on this setting to go to the "TV search" screen and change to a different TV.

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

Choose channel list source: You can choose the channel list source to be used in the application. The options are "TV List" and "Custom List". Additionally you can activate "Remember my choice" option to 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.

Advanced features

Getting the most from your TV

FollowMe 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 routers operation 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.

Multilanguage 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 for android based devices available.

Keyboard Page

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

Requirements

1. Smart TV
2. Network connection
3. Mobile Device based on Android or iOS platform (Android OS 5.1 or higher; IOS 12 or higher version)
4. Smart Centre 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 Centre application is subject to change according to version installed on your device.

6 Other information

Other information

Helpful technical information

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

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

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

Other information

Helpful technical information

Specification

Digital Reception	Fully integrated digital terrestrial TV (DVB-T) (DVB-T2 compliant)
Number of Preset Channels	1,000
Channel Indicator	On Screen Display
RF Aerial Input	75 Ohm (unbalanced)
Operating Voltage	220-240V AC, 50Hz.
Audio	DTS Virtual:X DTS X
Audio Output Power (WRMS.) (10% THD)	2 x 6
Power Consumption (W)	60
Networked Standby Mode Power Consumption (W)	< 2
TV Dimensions DxLxH (with foot) (mm)	184 x 728 x 475
TV Dimensions DxLxH (without foot) (mm)	76 x 728 x 431
Display	32"
Operation temperature and operation humidity	0°C up to 40°C, 85% humidity max

Product Information

Energy Efficiency Class For Standard Dynamic Range	E
On-Mode Power Demand For Standard Dynamic Range	26 W
Energy Efficiency Class (HDR)	G
On-Mode Power Demand In High Dynamic Range (HDR)	45 W
Off-Mode Power Demand	N/A
Standby Mode Power Demand	0.5 W
Networked Standby Mode Power Demand	<2 W
Contrast Ratio	3000:1
Screen Resolution	1920 x 1080 Pixels

Scan QR code for Product Information Sheet

If you require any technical guidance or find that your TV is not operating as intended, a simple solution can often be found in the **Troubleshooting** section of these instructions, or online at **www.bush-support.co.uk** If you still require further assistance, call one of our experts on **0345 604 0105,** a **Bush enquiry line**.

Other information

Helpful technical information

Wireless LAN Transmitter Specifications

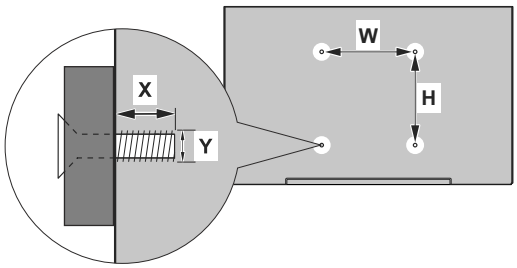
Frequency Ranges	Max Output Power
2400 - 2483.5 MHz (CH1 - CH13)	< 100 mW
5150 - 5250 MHz (CH36 - CH48)	< 200 mW
5250 - 5350 MHz (CH52 - CH64)	< 200 mW
5470 - 5725 MHz (CH100 - CH140)	< 200 mW

Country Restrictions

The Wireless LAN equipment is intended for home and office use in the UK and Northern Ireland only. The 5.15 - 5.35 GHz band is restricted to indoor operations only. Public use is subject to general authorisation by the respective service provider.

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.

VESA WALL MOUNT MEASUREMENTS		
Hole Pattern Sizes (mm)	**W**	**H**
	75	75
Screw Sizes		
Length (X)	min. (mm)	5
	max. (mm)	8
Thread (Y)	M4	



Other information

Helpful technical information

AV and HDMI Signal Compatibility

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

(X: Not Available, O: Available)

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

Other information

Helpful technical information

Supported Video File Formats for USB Mode

Extension	Video Codec	Max. Resolution & Frame Rate & Bit Rate
.mpg, .mpeg, .dat, .vob	MPEG1/2, H.264, VC1	**H.264:** 1080Px2@30fps - 50Mbps, 1080P@60fps - 50Mbps Other: 1080P@60fps - 50Mbps
.ts, .trp, .m2ts		
.avi	MPEG1/2, MPEG4, H.264, MJPEG	
.mp4, .m4a, .m4v, .mov, .qt, .3gp, .3g2, .3gpp	MPEG1/2, H.263, MPEG4, H.264	
.mkv	MPEG 1/2, MPEG4, H.264	
.flv	Sorenson Sp, MPEG4, H.264	
.asf, .wmv	MPEG4, WMV3, VC1	
.webm	VP9, VP8	
.mp4, .mov, .3gpp, .3gp, .ts,. trp, .tp, .mkv	HEVC/H.265	

Supported Picture File Formats for USB Mode

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

Supported Audio File Formats for USB Mode

Extension	Format
.mp3	.mp3
.ac3	.ac3
.aac	.AAC
.wma	.WMA
.amr	.AMR-NB, .AMR-WB
.wav	. MPEG La, .AAC, .PCM

Other information

Helpful technical information

Supported Subtitle File Formats for USB Mode

External Subtitles	
Extension	**Specification**
.ssa	SubStation Alpha
.ass	Advanced SubStation Alpha
.srt	Subripper
.sub	Micro DVD / SubViewer
.sub + .idx	VOBSub
.txt	Micro DVD / TMPlayer / MPL2
.mpl	MPL2
.smi	Sami
.jss	JACOSUB
.ttml	TTML
.txt / .sub	DVDSUBTITLE
.lrc	-

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

Other information

Helpful technical information

Supported DVI Resolutions

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

	56Hz	60Hz	66Hz	70Hz	72Hz	75Hz
640x480		☑				☑
800x600	☑	☑				☑
1024x768		☑		☑		☑
1280x768		☑				☑
1280x960		☑				
1360x768		☑				
1366x768		☑				
1280x1024		☑		☑		☑
1400x1050		☑				
1600x900		☑				
1920x1080		☑				

DVB-T functionality information

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

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

Some digital TV 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 TV.

TiVo UI Launcher functionality information

The content and services available through the TiVo UI Launcher are provided by third-party providers and may be altered, suspended or discontinued at any time without notice.

Bush is not responsible for any of the content or services and does not warrant the availability of or access to such content or services.

For information on a particular service or on any content, please visit the service/content provider's website. If you have any questions concerning, or problems with, any content or services then please contact the relevant service/content provider directly. Bush is not responsible for providing customer service in relation to content or services and accepts no liability in this regard.

7 Product support

Product support

Help is always at hand

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

- TV is not receiving any signal. Make sure the correct source has been selected.
- Is the antenna connected properly?
- Is the antenna cable damaged?
- Are suitable plugs used to connect the antenna?
- If 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.

Input sources - can not be selected

- If you cannot select an input source, it is possible that no device is connected. If not;
- Check the AV cables and connections if you are trying to switch to the input source dedicated to the connected device.

Product support

Help is always at hand

Help and assistance

If you require any technical guidance or find that your TV is not operating as intended, a simple solution can often be found in the **Troubleshooting** section of these instructions or online at **www.bush-support.co.uk.**

If you still require further assistance, call one of our experts on **0345 604 0105,** a **Bush enquiry line***. To help give us give you a fast and efficient service please have the following information ready:

Model Ref.	**32FT25CB**	You can find these on the rating plate - a small information panel (usually a sticker or metal plate) on the rear of your TV
Serial number		
Date of purchase		This will be shown on your receipt

Local call rates applies*

Lines open 8am-7pm Monday to Saturday and 10am-4pm Sunday.

*Calls to **Bush enquiry lines** may attract a charge and set up fee from residential lines depending on your call plan/tariff. Mobile and other providers costs may vary. Refer to your residential line provider / mobile provider for pricing details.

For security and training purposes, telephone calls to and from customer service centres may be recorded and monitored. Calls from Republic of Ireland will attract international call charges.

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Product support

Help is always at hand

Disposal Information

[European Union]

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

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

For more information about collection points and recycling of these products, please contact your local municipal office, your household waste disposal service or the shop where you purchased the TV.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

[Business users]

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

[Other Countries outside the European Union]

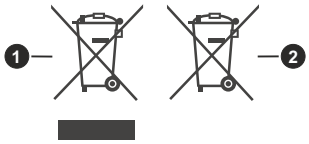
These symbols are only valid in the European Union.

Contact your local authority to learn about disposal and recycling.

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

Some collection points accept products free of charge.

Note: The sign Pb below the symbol for batteries indicates that this battery contains lead.



1. Products
2. Battery

Product support

Help is always at hand

BUSH

Call us now and activate your 12 month guarantee

Thank you for choosing Bush. Your new product is guaranteed against faults and breakdowns for 12 months. Don't forget to register it with us today so we can provide you with our best possible after-sales service and useful updates.

www.bushregistration.co.uk

FREEPHONE*

0800 597 8548

Lines are open 8am - 8pm, 365 days a year. *Calls may be recorded and monitored.

Your Bush Guarantee

This product is guaranteed for twelve months from the date of original purchase. Any defect that arises due to faulty materials or workmanship will be repaired free of charge (or if applicable the product will be replaced or the purchase price refunded) where possible during this period by the dealer from who your purchased the unit.

The guarantee is subject to the following provisions:

- The guarantee does not cover accidental damage, misuse, cabinet parts, knobs or consumable items.
- The product must be correctly installed and operated in accordance with the instructions contained in the manual.
- It must be used solely for domestic purposes. The guarantee will be rendered invalid if the product is re-sold or has been damaged by inexpert repair.
- Specifications are subject to change without notice.
- Bush disclaim any liability for loss or damage arising from the breakdown of the product.
- This guarantee is in addition to and does not diminish your statutory or legal rights.

Important Data Protection Information

If you provide us with information about another person, you confirm that they have appointed you to act for them, to consent to the processing of their personal data including sensitive personal data and that you have informed them of our identity and the purposes for which their personal data will be processed.

You are entitled to ask for a copy of the information we hold about you (for which we may charge a small fee) and to have any inaccuracies in your information corrected.

For quality control and training purposes, we may monitor or record your communications with us.

If your personal details change, if you change your mind about any of your marketing preferences or if you have any queries about how we use your information, please let us know by contacting our **Data Protection Officer, Domestic and General, Leicester House,** 17 Leicester Street, Bedworth, Warwickshire CV12 8JP.

Guarantor: Argos Limited – London, EC1M 6HA

Argos (N.I.) Ltd, Forestside Shopping Centre, Upper Galwally, Belfast, United Kingdom, BT8 6FX. Argos Distributors Limited, Unit 7, Ashbourne Retail Park, Ballybin Road, Ashbourne, County Meath.

STATEMENT OF COMPLIANCE

Type of product: Television

BRAND NAME	MODEL NO	MODEL DESCRIPTION
BUSH	32FT25CB	32IN FULL HD TIVO FREELY TV

Manufacturer :
Vestel Elektronik Sanayi ve Ticaret. A.Ş.
Organize Sanayi 3. Bölgesi
45030 MANİSA/ TURKEY

Manufacturer :
Argos Limited
33 Holborn, London.
EC1N 2HT

Declaration:

This statement is prepared on behalf of the above named manufacturer(s) of the product.

We hereby declare that it is the opinion of the above stated manufacturer(s) that the equipment named above has been designed to comply with the relevant sections of the specifications referenced and complies with the requirements of Schedule 2 of the Regulation.

The Product Security and Telecommunications Infrastructure (Security Requirements for Relevant Connectable Products) Regulations 2023	S.I 2023 No. 1007

The following standards and/or specifications were considered when assessing the compliance against the requirements defined in the regulations:

- ETSI EN 303 645 v2.1.1 (19th June 2020)
- ISO/IEC 29147:2018

The minimum support period for this product has been defined as 8 years from when the product was first supplied and the earliest date which support may cease for this model will be April 2033.

Signed by or on behalf of Argos Limited.

Manufacturer's Place and date of issue
Argos Limited
33 Holborn,
London.
EC1N 2HT

Name: Lisa Hollidge
Position: Director of Commercial Operations & Development

13th May 2025

The VESTEL Security issue reporting process can be obtained from the following webpage:

https://vestelinternational.com/en/vulnerability-disclose-policy

For any other enquiries, please contact Customer Support via www.bush-support.co.uk

BUSH

Produced in Türkiye for Argos Limited, London, EC1M 6HA, UK.
Argos (N.I.) Ltd, Forestside Shopping Centre, Upper Galwally, Belfast, BT8 6FX, UK
argos.co.uk/help/contact-us
Contact:
www.bush-support.com
Helpline: 0345 604 0105

Supplier reference

50745419

V1.5_0525