



# **NORDMENDE**

**OPERATING INSTRUCTIONS**

**ARTX32RHDSM**

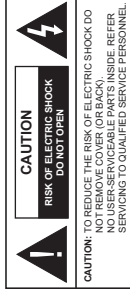
**COLOUR TELEVISION WITH REMOTE CONTROL**



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## Safety Information



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

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

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

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

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

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

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

- The TV set is intended for household and similar indoor use but may also be used in public places.

- For ventilation purposes, leave at least 5cm of free space around the TV.

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

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

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

- Do not expose the TV to direct sunlight or do not place open flames such as lit candles on the top of or near the TV.

- Do not place any heat sources such as electric heaters, radiators, etc. near the TV set.
- Do not place the TV on the floor and inclined surfaces.
- To avoid danger of suffocation, keep plastic bags out of the reach of the babies, children and domestic animals.
- Carefully attach the stand to the TV. If the stand is provided with screws, tighten the screws firmly to prevent the TV from tilting. Do not over-tighten the screws and mount the stand rubbers properly.
- Do not dispose of the batteries in fire or with hazardous or flammable materials.

### WARNING

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

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

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

### Markings on the Product

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

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

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

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

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



## WARNING

Do not ingest the battery. Chemical Burn Hazard  
This product contains a lithium-ion battery. The On/Off button on the 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 find your batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

A television may fall, causing serious personal injury or death. Property injuries, particularly to children, can be caused by falling televisions. To prevent this, always use cabinets or stands or mounting methods recommended by the manufacturer of the television set.

- ALWAYS use furniture that can safely support the television set.
  - ALWAYS ensure the television set is not overhanging the edge of the supporting furniture.
  - ALWAYS educate children about the dangers of climbing on furniture to reach the television set or its controls.
  - ALWAYS route cords and cables connected to your television so they cannot be tripped over.
  - NEVER place a television set in an unstable location.
  - NEVER place the television set on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television set to a suitable support.
  - NEVER place the television set on cloth or other materials that may be located between the television set and supporting furniture.
  - NEVER place items that might tempt children to climb, such as toys and remote controls, on the top of the television or furniture on which the television set is placed.
  - The equipment is only suitable for mounting at heights  $\leq 2$  m.
- If the existing television set is going to be retained and relocated, the same considerations as above should be applied.
- Apparatus connected to the protective earthing of the building installation through the MAINS connection or through other apparatus with a connection to protective earthing—and to a television distribution system using coaxial cable, may in some circumstances create a fire hazard. Connection to a television distribution system was therefore made to provide protection against fire. The following steps should be taken to provide a certain frequency range (galvanic isolator)

## WALL MOUNTING WARNINGS

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

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

## Environmental Information

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

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

**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. Note that some picture settings will be unavailable to be changed.

If pressed Right button or Left button consecutively, **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 be off in 15 seconds. Press any button on the remote or on the TV to turn the screen on again.

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

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

## Features

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

- OSD menu system
- Back AV inputs for external devices (such as DVD Players, PVR, video games, etc.)
- Stereo sound system
- 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
- AVI (Automatic Volume Limiting)
- PLL (Frequency Search)
- PC input

- Game Mode (Optional)
- Picture off function
- Programme recording
- Programme timeshifting
- Ethernet (LAN) for internet connectivity and service
- 802.11 ab/g/n built in WLAN Support
- Audio Video Sharing
- HbbTV

## 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 quality textures. HDR/HLG promises better picture depth 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 contents are supported via native and market applications, HDMI, USB inputs and over DVB-S broadcasts.

## Accessories Included

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

## Standby Mode Picture

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

- Set the **Standby Mode Picture** option in the **Settings+System+More** menu as **On**. This option is set as **Off** by default.

• Create a separate folder named as **standby\_picture** in the USB storage device's root directory and copy the content of the USB storage device to your TV.

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

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

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

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

Beside the remote control you can also use the control unit on the TV to switch into standby mode picture state and back to normal operating mode. In order to do that follow the same instructions as described in the **TV Control & Operation** section for switching the TV into standby mode. Note that you will not be able to switch the TV's display mode using the remote control on the TV while the TV is in standby mode picture state.

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

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

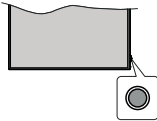
## Standby Notifications

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

The **Auto Power Down** option in the **Settings+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 an operation was set for a timer.** Before the TV switches into standby mode, you can see you 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. You can also choose to cancel the **Auto Power Down** function from this dialogue. Highlight **Disable** and press **OK**, the TV will remain on and the function will be cancelled. You can enable this function again by changing the setting of the **Auto Power Down** option from the **Settings>System>More** menu.

#### TV Control Button & Operation



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

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

#### Operating with the Control Button

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

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

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

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

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

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

#### Operation with the Remote Control

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

#### Input Selection

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

#### Changing Channels and Volume

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

#### Reset and Power Off via Standby Button

Press and hold the **Standby** button to see additional options. The **Standby** button is also **Standby (Power Off)** button. The **Standby** button 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.

#### Using Main TV Menu

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

You can also see information on location, weather, time and date on the main TV menu screen. The green small icons indicate the current status for time, network and sync for apps. If these icons appear in green, it means that the time information is updated, network is connected and sync is completed in success. Otherwise the icons will appear in white.

Depending on the country selection made during first time installation, TV's life time information in hours can be displayed by pressing the **Menu** button and then the **Blue** button. Concerned about the quality of our products, televisions are subject to rigorous checks before being put on the market, therefore it's possible that this value is not at 0 during the first installation.

Press **Exit** button to close the main menu.

#### 1. Home

When main menu is opened **Home** menu bar will be highlighted. The content of the **Home** menu can be customised. In order to do this go to the **TV** menu, highlight the **Edit Home** option and press **OK**. You can delete or change the position of any item in the **Home** menu. Highlight an option and press **OK**. Select **Delete** or **Move** option and press **OK**. In order to move a menu item use the Right, Left, Up and Down direction buttons to select the position that you want the item to move to and press **OK**.

You can also add options from other menus to **Home** menu. Just highlight an option and press the **Down** direction button on the remote. If you see **Add to Home** option you can add it to the **Home** menu.

#### 2. Search

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

### 3. TV

#### 3.1. Guide

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

#### 3.2. Channels

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

#### 3.3. Timers

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

To add a new timer select the **Add Timer** tab using the Left/Right buttons and press **OK**. Set the sub-menu options as desired and when finished press **OK**. A new timer will be created.

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

To cancel an already set timer, highlight that timer, select **Delete Selected Timer** tab and press **OK**. A confirmation message will be displayed. Highlight **Yes** and press **OK** to proceed. The timer will be cancelled. It is not possible to set timers for two or more events that will be broadcasted in different channels at the same time interval. In this case you will be asked to choose one of these timers and cancel others. Highlight the timer you want to cancel and press **OK**. **Options** menu will be displayed. Then highlight **Set/Cancel** and press **OK** to cancel that timer. You will have to save changes after that. In order to do that press **OK**, highlight **Save Changes** and press **OK** again.

#### 3.4. Recordings

You can manage your recordings using the options of this menu. You can play back, edit, delete or sort previously recorded events. Highlight a tab by using the Left or Right direction button and press **OK** to see available options.

#### 3.5. More Apps

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

#### 3.6. Market

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

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

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

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

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

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

**5.1. Source Settings**  
You can access the source settings menu directly using this option. Edit the names, enable or disable selected source options.

**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 220-240VAC, 50 Hz supply. After unpacking, allow the TV set to reach the ambient room temperature before you connect the set to the mains.

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**Disposal Information**

These symbols indicate that the electrical and electronic equipment and the battery with this symbol should not be disposed of as general household waste at end-of-life. Instead, the products should be taken to a collection point for the recycling and disposal 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 2013/59/EU

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

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

**Business users**

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

**Other Countries outside the European Union**

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

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

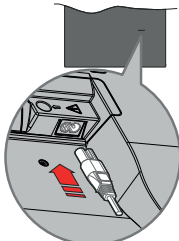
Some collection points accept products free of charge. Note: The sign Pb below the symbol for batteries indicates that this battery contains lead.



1. Products
2. Battery

**Specification**

TV Broadcasting	DAL-BSU/UK SECAM BGDK
Receiving Channels	VHF (BAND III) - UHF (BAND U) - HYPERBAND Fully integrated digital terrestrial-cable-satellite (DVB-T, DVB-C, DVB-S2 compliant)
Digital Reception	
Number of Preset Channels	11 000
Channel Indicator	On Screen Display
RF Aerial Input	75 Ohm (unbalanced)
Operating Voltage	220-240V AC, 50Hz
Audio	German-Nisam Stereo
Audio Output Power (WRMS), (10% THD)	2 x 6
Power Consumption (W)	65W
Networked Standby Mode Power Consumption (W)	< 2
TV Dimensions DxDxH (with stand) (mm)	196 x 732 x 480
TV Dimensions DxDxH (without stand) (mm)	50/78 x 732 x 435
Display	32"
Operation temperature and operation humidity	0°C up to 40°C, 85% humidity max



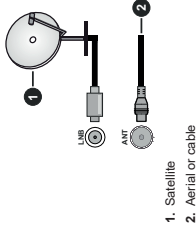
Plug one end (the two-hole plug) of the supplied detachable power cord into the power cord inlet on the rear side of the TV as shown above. Then plug the other end of the power cord into the mains socket outlet.

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

**Antenna Connection**

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

**Rear side of the TV**



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

**License Notification**

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



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## 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 (CH42 - CH64)	< 200 mW
5470 - 5725 MHz (CH100 - CH140)	< 200 mW

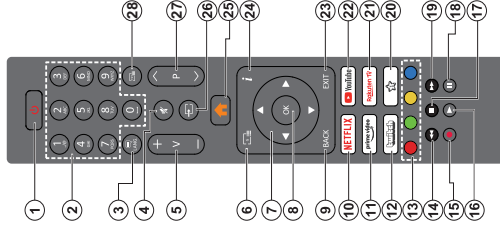
### Country Restrictions

This device is intended for home and office use in all EU countries (and other countries following the relevant EU directive). The 5.15 - 5.35 GHz band is restricted to indoor operations only in the EU countries.

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

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

## Remote Control



- Standby (\*)**: Standby/ On (press briefly) Reset/ Power Off (press and hold)
- Numeric buttons**: Switches the channel, enters a number or a letter in the text box on the screen
- Language**: Switches among sound modes (analogue TV), displays and changes audio/subtitle language and turns subtitles on or off (digital TV, where available)
- Mute**: Completely turns off the volume of the TV
- Volume +/-**:
- Guide**: Displays the electronic programme guide
- Directional buttons**: Helps navigate menus, channels and displays the pages in TXT mode when pressed Right or Left
- OK**: Confirms user selections, holds the page (in TXT mode), views Channels menu (DTV mode)
- Back/Return**: Returns to previous screen, previous menu, opens index page (in TXT mode). Quickly cycles between previous and current channels or sources
- Netflix**: Launches the Netflix application
- Prime Video**: Launches the Amazon Prime Video application
- Twitch**: Launches the Twitch application
- Coloured Buttons**: Follow the on-screen instructions for coloured button functions
- Rewind**: Moves frames backwards in media such as movies
- Record**: Records programmes
- Play**: Starts to play selected media
- Stop**: Stops the media being played
- Pause**: Pauses the media being played, starts timeshift recording
- Fast Forward**: Moves frames forward in media such as movies
- My Button 1 (\*\*)**
- Rakuten TV**: Launches the Rakuten TV application
- YouTube**: Launches the YouTube application
- Exit**: Closes and exits from displayed menu or returns to previous screen
- Info**: Displays information about on-screen content, shows hidden information (reveal - in TXT mode)
- Menu**: Displays TV menu
- Source**: Shows available broadcast and content sources
- Program +/-**:
- Text**: Displays teletext (where available), press again to superimpose the teletext over a normal broadcast picture (mix)































**(\*) Standby Button**  
Press and hold the Standby button to see additional actions for this button. Highlight one of the **Reset (Restart)** options and press **OK** to perform the selected action. If your TV stops responding to commands and forced to restart when the button is kept pressed for about five seconds.


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

**(\*\*) My Button 1**  
This button may have default function depending on the model. However you can set a special function to this button. Press the My Button 1 when you are in a channel or application. A confirmation message will be displayed on the screen. The My Button 1 is associated with the selected function.

Note that if you perform **First Time Installation**, My Button 1 will return to its default function.

## Connections

Connector	Type	Cables	Device
	VGA Connection (back)		
	PCYPbPr Audio Connection (back)		
	HDMI Connection (side/back)		
	SPDIF (Optical Out) Connection (back)		
	BACK AV (Audio/Video) Connection (back)		
	Headphone Connection (side)		
	YPbPr Video Connection (back)		
	USB Connection (side)		
	CI Connection (side)		
	Ethernet Connection (back)		

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

## Switching On/Off

### To Switch the TV On

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

To switch on the TV from standby mode either:

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

To switch the TV Off

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

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

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

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

## First Time Installation

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

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

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

You can activate **Store Mode** option in the next step. This option will configure your TV's settings for store environment and depending on the TV model being purchased, the TV may be pre-installed with the installed video file may be played back. This option is intended only for store use. It is recommended to select **Home Mode** for home use. This option will be available in **Settings>System>More** menu and your preference for this setting can be changed later. Make your selection and press **OK** to continue.

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

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

Depending on the model of your TV and the country selection **Privacy Settings** menu may appear at this point. Using this menu you can set your privacy enable or disable. Read the related explanations displayed on the screen for each highlighted feature before making any changes or selections. Press the directional buttons 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>System>Privacy>Privacy Settings** menu.

After the **Internet Connection** screen will be skipped and not displayed, if you have any questions, complaints or comments regarding this privacy policy or its enforcement, please contact by email at smarttvservice@vossuhb.com.

Highlight **Next** and press **OK** button on the remote control to continue and the **Network/Internet Settings** menu will be displayed. Please refer to **Connectivity** section to configure a network connection. If you want your TV to consume less power in standby mode, you can disable the **Networked Standby Mode** option by setting it as **Off**. After the settings are completed highlight **Next** and press **OK** button to continue.

On 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 for a broadcast type highlight it and press **OK**. The checkbox next to the selected option will be checked. To turn the search option off clear the checkbox by pressing **OK** after moving the focus on the desired broadcast type option.

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

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

A message will be displayed before starting to search asking if you want to perform cable network search. If you select **Yes** and press **OK** you can select **Network** or set values such as **Frequency**, **Network ID** and **Search Step** on the next screen. If you select **No** and press **OK** you can set **Start Frequency**, **Stop**



**Frequency and Search Step** on the next screen. When finished, highlight **Next** and press **OK** button to continue.

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

**Satellite:** If **Satellite** broadcast search option is turned on, the TV will search for digital satellite broadcasts after other initial settings are completed. Before satellite search is performed, some settings should be made. **Antenna Type** menu will be displayed first. You can select **Antenna Type** as **Direct**, **Single Satellite Cable** or **DiSEqC** switch by using **Left**, **Right** or **OK** buttons. After selecting your antenna type, press **OK** button to see the options to proceed. **Continue**, **Transponder list** and **Configure LNB** options will be available. You can change the transponder and LNB settings using the related menu options.

- **Direct:** If you have a single receiver and a direct satellite dish, select this antenna type. Press **OK** to continue. Select an available satellite on the next screen and press **OK** to scan for channels.
- **Single Satellite Cable:** If you have multiple receivers and a single satellite cable system, select this antenna type. Press **OK** to continue. Configure settings by following instructions on the next screen. Press **OK** to scan for services.
- **DiSEqC switch:** If you have multiple satellite dishes and a DiSEqC switch, select this antenna type. Then select the DiSEqC switch on the next screen. Press **OK** to set up for satellites (if available) for version v1.0 and sixteen satellites for version v1.1 on the next screen. Press **OK** button to scan the first satellite in the list.

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

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

While the search continues current scan results will be displayed at the bottom of the screen. After all the available stations are stored, **Channels** menu will be displayed. You can edit the channel list according to your preferences using the **Edit** list options or press the **Menu** button to quit and watch **TV**.

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

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

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

Do not pull out the USB HDD during a recording. This will corrupt the content in the USB HDD.

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

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

**Record, Play, Pause, Display** (for playlist/dialogue) keys can not be used when teletext is on. If recording starts from timer when teletext is on, teletext is automatically turned off. Also teletext usage is disabled when there is an ongoing recording or playback.

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

#### Timeshift Recording

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

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

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

#### Instant Recording

Press **Record** button to start recording an event instantly while watching a programme. Press **Stop** button to cancel instant recording.

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

#### Watching Recorded Programmes

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

**Note:** Viewing main menu and menu items will not be available during the playback.

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

#### Slow Forward

If you press **Pause** button while watching recorded programmes, the slow forward feature will be available. You can use **Fast Forward** button to slow forward. Pressing **Fast Forward** button consecutively will change slow forwarding speed.

#### Recording Settings

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

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

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

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

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

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

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

(\* Default PIN could have been set to 0000 or 1234. If you define the PIN(s) requested depending on the country selection) during the First Time Installation Use the PIN that you desire.

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





If **USB disk writing speed too slow to record** message is displayed on the screen while starting a recording, by restating the recording, if you still get the same error, it is possible that your USB disk does

not meet the speed requirements. Try connecting another USB disk.

#### Media Browser

You can play back music and movie files and display photo files stored on a USB storage device by connecting it to your TV. Connect a USB storage device to one of the USB inputs located on the side of the TV. After connecting a USB storage device to your TV, the **Sources** bar will be displayed with USBx highlighted. Press **OK**. **Media Browser** menu will be displayed on the screen. Select the file of your choice and press **OK** to display or play it back. You can access the content of the connected USB device any time later from the **Sources** menu. You can also press the **Source** button on the remote and then select your USB storage device from the list of sources.

You can set your media browser preferences by using the **Settings** menu. **Settings** menu can be accessed via the information bar which is displayed on the bottom of the screen while playing back a video or an audio file or displaying a picture file. Press the **Info** button if the information bar has disappeared, highlight the gear wheel symbol positioned on the right side of the information bar and press **OK**. **Picture Settings**, **Sound Settings**, **Media Browser Settings** and **Options** menus may be available depending on the media file type and the model of your TV and its features. The content of these menus may also differ according to the type of the currently open media file. Only **Sound Settings** menu will be available while playing back audio files.

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

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

#### Custom Boot Up Logo

You can personalize 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 into a USB disk and open them in the **Media Browser**. Select USB input from the **Sources** menu and press **OK**. When you have chosen the desired image, highlight

it and press **OK** to view it in full screen. Press the **Info** button to highlight the gear wheel symbol on the information bar and press **OK**. **Select Options** and **press OK** to enter **Set Boot Logo** option will be available. Highlight it and press **OK** 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 **First Time Installation** the boot logo will also be restored to its default.

(\*) Images should be in *jpg* file formats. Only files with sizes no greater than 4MB are supported. FollowMe TV

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

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

#### CEC

This function allows 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 new CEC source menu device is connected, it will be listed in source menu with its own name instead of the connected HDMI ports name (such as DVD Player, Recorder 1 etc.).

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

You can disable the CEC functionality by setting the related option under the **Settings>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 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.

## Settings Menu Content

<b>Devices Menu Content</b>	
<b>Virtual Remote</b>	Enable or disable the virtual remote feature.
<b>Audio Video Sharing</b>	This feature allows you to share files stored on your smartphone or tablet pc. If you have a compatible smartphone or tablet pc and the appropriate software is installed, you can share/clip photos on your TV. See instructions of your sharing software for more information.
<b>Timer of No Signal</b>	If your TV does not receive any input signal (e.g. from an aerial or HDMI source) for 3 minutes, it will go into standby mode. You can enable or disable this functionality by setting this option accordingly.
<b>CEC</b>	With this setting you can enable and disable CEC functionality completely. Press Left or Right button to enable or disable the feature.
<b>CEC Auto Power On</b>	This function allows the connected HDMI-CEC compatible device to turn on the TV, and switch to its input source automatically. Press <b>Left</b> or <b>Right</b> button to enable or disable the feature.
<b>Picture Menu Content</b>	
<b>Mode</b>	You can change the picture mode to suit your preference or requirements. Picture mode can be set to one of these options: <b>Cinema</b> , <b>Game</b> (optional), <b>Sports</b> , <b>Dynamic</b> and <b>Natural</b> .
<b>Contrast</b>	Adjusts the light and dark values on the screen.
<b>Brightness</b>	Adjusts the brightness values on the screen.
<b>Sharpness</b>	Sets the sharpness value for the objects displayed on the screen.
<b>Colour</b>	Sets the colour value, adjusting the colours.
<b>Energy Saving</b>	For setting the <b>Energy Saving</b> to <b>Custom</b> , <b>Minimum</b> , <b>Medium</b> , <b>Maximum</b> , <b>Auto</b> , <b>Screen Off</b> or <b>Off</b> . <i>Note: Available options may differ depending on the selected Mode.</i>
<b>Backlight</b>	This setting controls the backlight level. The backlight function will be inactive if the <b>Energy Saving</b> is set to an option other than <b>Custom</b> .
<b>Picture Zoom</b>	Sets the desired image size format.
<b>Picture Shift</b>	This option may be available depending on the <b>Picture Zoom</b> setting. Highlight and press <b>OK</b> , then use directional buttons to shift the picture upwards or downwards.
<b>PC Position</b>	Appears only when the input source is set to VGAPPC.
<b>Autoposition</b>	If the image is not centered in VGA mode use this option to automatically adjust the position of the image. Press <b>OK</b> to start the auto adjustment.
<b>H Position</b>	This item shifts the image horizontally to the right (hand side or left hand side of the screen).
<b>V Position</b>	This item shifts the image vertically towards the top or bottom of the screen.
<b>Dot Clock</b>	Dot Clock adjustments correct the interference that appears as vertical banding in dot intensive presentations like spreadsheets or paragraphs or text in smaller fonts.
<b>Phase</b>	Depending on the input source (computer etc.) you may see a hazy or noisy picture on the screen. You can use phase to get a clearer picture by trial and error.
<b>Advanced Settings</b>	
<b>Dynamic Contrast</b>	You can change the dynamic contrast ratio to desired value.
<b>Colour Temp</b>	Sets the desired colour temperature value. <b>Cool</b> , <b>Normal</b> , <b>Warm</b> and <b>Custom</b> options are available.
<b>White Point</b>	If the <b>Colour Temp</b> option is set as <b>Custom</b> , this setting will be available. Increase the 'warmth' or 'coolness' of the picture by pressing Left or Right buttons.

<b>Blue Stretch</b>	White colour enhancement function that makes white colour more cooler in order to make more bright picture. Set as <b>On</b> to enable.
<b>Micro Dimming</b>	<b>Low</b> , <b>Medium</b> , <b>High</b> and <b>Off</b> options are available. While <b>Micro Dimming</b> is active, it will enhance contrast locally for each defined zone.
<b>Noise Reduction</b>	<b>Low</b> , <b>Medium</b> , <b>High</b> and <b>Off</b> options are available. If the signal is weak and the picture is noisy, use the <b>Noise Reduction</b> setting to reduce the amount of noise.
<b>Film Mode</b>	Films are recorded at a different number of frames per second to normal television programmes. Turn this feature on when you are watching films to see the fast motion scenes clearly.
<b>Skin Tone</b>	Skin tone can be changed between -5 and 5.
<b>Colour Shift</b>	Adjust the desired colour tone.
<b>Colour Tuner</b>	Opens colour tuner settings. Set the <b>Colour Tuner</b> as enabled to adjust the <b>Hue</b> , <b>Colour</b> and <b>Brightness</b> values manually.
<b>Gamut Mapping</b>	You can use this option to set the range of colours displayed on your TV screen. When set as <b>On</b> , colours are set according to the source signal. When set as <b>Off</b> , the TV's maximum colour capacity is used by default (recommended option). <i>Note: This option may not be available depending on the TV model and its features.</i>
<b>HDMI Full Range</b>	While watching from a HDMI source, this feature will be visible. You can use this feature to enhance blackness in the picture.
<b>Reset</b>	Resets the picture settings to factory default settings (except <b>Game</b> mode).

*White in VGA (PC) mode, some items in Picture menu will be unavailable. Instead, VGA mode settings will be added to the Picture menu while in PC mode.*

Sound Menu Content	Network Menu Content
<b>Dolby Audio</b> Note: Some items in Sound menu will be grayed out and unavailable if set to an option other than <b>Off</b> .	<b>Network Type</b> Disable the network connection or change the connection type.
<b>Surround Sound</b> Surround Sound mode can be changed as <b>On</b> or <b>Off</b> . Sets the sound output preferences. <b>TV SPDIF</b> , <b>HDMI ARC</b> , <b>Headphone Only</b> and <b>Lineout</b> options will be available. There will be no sound output except through the selected option and the headphone jack.	<b>Scan Wireless Networks</b> Start a search for wireless networks. This option will be available if the <b>Network Type</b> is set as <b>Wireless Device</b> .
<b>Sound Output</b> When you connect an external amplifier to your TV, using the headphone jack, you can select this option as <b>Lineout</b> . If you have connected headphones to the TV, set this option as <b>Headphone Only</b> . Please ensure before using headphones that this menu item is set to <b>Headphone Only</b> . If it is set to <b>Lineout</b> , the output from the headphone socket will be set to maximum which could damage your hearing. If <b>HDMI ARC</b> option is selected, <b>CEC</b> feature will be enabled. Note: Depending on the selected option some items in Sound menu will appear as grayed out and will be unavailable.	<b>Disconnect</b> To disconnect from a wireless network and delete your saved wireless network profile (if previously saved), highlight this option and press <b>OK</b> . This option will not be available if you did not connect to a wireless network. Refer to <b>Connectivity</b> section for more information.
<b>AVL (Automatic Volume Limiting)</b> Sets the sound to obtain fixed output level between programmes. If the <b>Dolby Audio</b> menu item is set to an option other than <b>Off</b> the <b>AVL</b> setting options will change. <b>Auto</b> , <b>Night</b> , <b>Normal</b> and <b>Off</b> options will be available. In <b>Auto</b> mode the TV will switch to <b>Normal</b> or <b>Night</b> mode automatically according to the current time information. If no time information is available this option will always function as <b>Normal</b> . When the times for <b>Night</b> mode for the first time after setting this option as <b>Auto</b> , an information bar will pop-up on the screen. Please note that compared to <b>Normal</b> mode <b>Night</b> mode provides more aggressive dynamic compression control which is suitable for silent environments.	<b>Press WPS on your wifi router</b> If your modem/router device has WPS, you can directly connect to it using this option. Highlight this option and press <b>OK</b> . Go to your modem/router device and press the WPS button on it to make the connection. This option will be available if the <b>Network Type</b> is set as <b>Wireless Device</b> .
<b>Advanced Settings</b> Sets the sound to check your connection bandwidth. The result will be displayed on the screen when finished.	<b>Internet Speed Test</b> Start a speed test to check your connection bandwidth. The result will be displayed on the screen when finished.
<b>Equalizer</b> Selects the equalizer mode. Custom settings can be made only when in <b>User</b> mode.	<b>Advanced Settings</b> Change the IP and DNS configurations of your TV.
<b>Dynamic Bass</b> Enables or disables the Dynamic Bass.	<b>Networked Standby Mode</b> Enable or disable this feature by setting it as <b>On</b> or <b>Off</b> .
<b>Sound Mode</b> You can select a sound mode (if the viewed channel supports).	<b>Note:</b> For detailed information on the options of this menu refer to the <b>Connectivity</b> section.
<b>Digital Out</b> Sets digital out audio type.	<b>Installation Menu Content</b> Displays automatic tuning options. <b>D. Aerial</b> : Searches and stores aerial DVB stations. <b>D. Cable</b> : Searches and stores cable DVB stations. <b>Analogue</b> : Searches and stores analogue stations. <b>Satellite</b> : Searches and stores satellite stations.
<b>Headphone</b> Sets headphone volume. This option will not be available if the <b>Sound Output</b> option is set as <b>Lineout</b> .	<b>Automatic channel scan (Return)</b> Displays automatic tuning options. <b>D. Aerial</b> : Searches and stores aerial DVB stations. <b>D. Cable</b> : Searches and stores cable DVB stations. <b>Analogue</b> : Searches and stores analogue stations. <b>Satellite</b> : Searches and stores satellite stations.
<b>Balance</b> Sets sound balance. This feature will be activated if <b>Sound Output</b> option is set as <b>TV</b> or <b>Headphone Only</b> . Balance item adjusts the balance level of the TV speakers and headphone together.	<b>Manual channel scan</b> This feature can be used for direct broadcast entry.
<b>Reset</b> Resets some of the sound settings to factory defaults.	<b>Network channel scan</b> Searches for the linked channels in the broadcast system. <b>D. Aerial</b> : Searches for aerial network channels. <b>D. Cable</b> : Searches for cable network channels. <b>Satellite</b> : Searches for satellite network channels.
	<b>Analogue fine tune</b> You can use this setting for the tuning analogue channels. This feature is not available if no analogue channels are stored and if currently watched channel is not an analogue channel.
	<b>Satellite Settings</b> Displays satellite settings. <b>Satellite list</b> : Displays available satellites. You can <b>Add</b> , <b>Delete</b> satellites or <b>Edit</b> satellite settings on the list. <b>Antenna installation</b> : You can <b>Add</b> , change satellite antenna settings and/or start a satellite scan.
	<b>Installation Settings (optional)</b> Displays installation settings menu. <b>Standby Mode Search (P)</b> : Your TV will search for new missing channels while in standby. Any new found broadcasts will be shown. <b>Dynamic Channel Updater</b> : If this option is set as <b>Enabled</b> , the changes on the broadcasts such as frequency, channel name, subtitle language etc., will be applied automatically while watching.
	<b>Clear Service List</b> Use this setting to clear channels stored. This setting is visible only when the <b>Country</b> option is set to Denmark, Sweden, Norway or Finland.
	<b>Select Active Network</b> This setting allows you to select only the broadcasts within the selected network to be listed in the channel list. This feature is available only for the country option of Norway.
	<b>Signal Information</b> You can use this menu item to monitor signal related information such as signal level/quality, network name etc for available frequencies.
	<b>First time installation</b> Deletes all stored channels and settings, resets TV to factory settings.

System Menu Content	System Menu Content
<b>Accessibility</b>	Displays accessibility options of the TV.
<b>High Contrast</b>	Increase the contrast of the menu options and texts to make them easier to read. <b>White Text</b> , <b>Yellow Text</b> and <b>Off</b> options will be available.
<b>Hard of Hearing</b>	Enables any special feature sent from the broadcaster.
<b>Audio Description</b>	A narration track will be played for the blind or visually impaired audience. Press <b>OK</b> to see all available <b>Audio Description</b> menu options. This feature is available only if the broadcaster supports it. <i>Note: Audio description sound feature is not available in recording or time shifting mode.</i>
<b>Dialogue Enhancement</b>	This feature provides sound post-processing options for speech-gated dialogue enhancement. <b>Off</b> , <b>Low</b> , <b>Medium</b> and <b>High</b> options will be available. Set according to your preference. <i>Note: This feature has an effect only if input audio format is AAC+ and this effect only applies to TV loudspeaker output.</i>
<b>Spoken Subtitles</b>	Default preference of spoken subtitles is selected with this setting option. To make spoken subtitles priority higher than normal ones, this option should be set to <b>On</b> . This option may not be available depending on the model of your TV and is only visible when the source is set to <b>TV</b> .
<b>Magnification</b>	Enables the use of button combinations to magnify the screen. <b>On</b> and <b>Off</b> options will be available. Set as <b>On</b> to enable. Magnification support will be enabled or disabled with long-press of the numeric button <b>5</b> . First top-left quadrant of the screen will be zoomed. After the magnification support is enabled, long-press of the numeric buttons <b>2</b> , <b>4</b> , <b>6</b> , <b>8</b> will move the zoomed area to up, left, right and down.
<b>Minimap</b>	Minimap is enabled and deactivated by default. It will be activated when <b>Magnification</b> feature is enabled. With this option, you can prevent magnification feature from displaying the minimap.
<b>Click Sound</b>	This option enables the key click sound on TV menu. Set to <b>On</b> to enable.
<b>Highlight programmes with</b>	
<b>[S] Subtitle</b>	If this option is enabled and if any electronic programme guide event has "Subtitle" access service, this events will be highlighted with another colour.
<b>[SL] Sign Language</b>	If this option is enabled and if any electronic programme guide event has "Sign Language" access service, this events will be highlighted with another colour.
<b>[AD] Audio Description</b>	If this option is enabled and if any electronic programme guide event has "Audio Description" access service, this events will be highlighted with another colour.
<b>Language</b>	You may set a different language depending on the broadcaster and the country.
<b>Conditional Access</b>	Controls conditional access modules when available.
<b>Privacy</b>	Manage your privacy privileges for smart TV related applications. Press <b>OK</b> to enter the menu and set according to your preferences.
<b>Privacy Settings</b>	Manage your privacy privileges for smart TV related applications. Press <b>OK</b> to enter the menu and set according to your preferences.
<b>Show All Cookies</b>	Displays all saved cookies.
<b>Delete All Cookies</b>	Deletes all saved cookies.
<b>Do Not Track</b>	You can set your preference regarding the tracking behaviour for HibbTV services using this option.

<b>Parental</b>	Enter correct password to change parental settings. You can easily adjust <b>Menu Lock</b> , <b>Maturity Lock</b> , <b>Child Lock</b> or <b>Guidance</b> in this menu. You can also set a new <b>PIN</b> or change the <b>Default CICAM PIN</b> using the related options. <i>Note: Some menu options may not be available depending on the country selection in the First Time Setup menu. This option may not be available depending on the country selection during the First Time Installation use the PIN that you have defined.</i>
<b>Date/Time</b>	Sets date and time.
<b>Sources</b>	Edit the names, enable or disable selected source options. If this feature is supported by your TV, you can view your ESN(*) number and deactivate Netflix. <i>(*) ESN number is an unique ID number for Netflix, created especially to identify your TV.</i>
<b>Netflix</b>	Samba Interactive TV powers recommendations and other apps by gathering data about your viewing habits. Using this option you can access Samba Interactive TV settings for your TV. Samba, TV's Terms of Service, Privacy Policy and manage your advertising preferences, etc. Internet connection will be required in order to access HTML based settings. You can enable or disable interactive TV at any time from the <b>Settings-System-Privacy-Privacy Settings</b> menu by checking or unchecking the check box next to the related item. This option may not be available depending on the selected country during the First Time Installation process, the model of your TV and its features.
<b>Voice Assistant</b>	Starts the setup process for this feature manually. If this setup is priority-completed, <b>Alexa Built-in Language</b> , <b>Alexa On Standby</b> , <b>Alexa Alarm Volume</b> and <b>Sign Out</b> options will be available. Refer to <b>Alexa Ready</b> section for more information.
<b>Alexa Language</b>	Sets the volume preference for Alexa.
<b>Alexa On Standby Mode</b>	Enables or disables Alexa On Standby Mode feature. If enabled Alexa will be available while the TV is in standby mode. <i>Note: This feature may affect your TV's power consumption.</i>
<b>Alexa Home Screen</b>	Set as <b>Off</b> to disable this feature or choose one of the inactivity periods to enable. <b>15 min</b> , <b>30 min</b> , <b>1 hour</b> and <b>2 hour</b> options will be available.
<b>Alexa Alarm Volume</b>	Sets the volume level for Alexa alarms.
<b>Sign Out</b>	You can use this option to sign out. If you sign out Alexa Built-in feature will be disabled..
<b>Works With Alexa</b>	Starts the setup process for this feature manually. If the setup is priority-completed <b>Sign Out</b> option will be available. Refer to <b>Alexa Ready</b> section for more information.
<b>Sign Out</b>	You can use this option to sign out. If you sign out Works With Alexa feature will be disabled.
<b>More</b>	Displays other setting options of the TV.
<b>Menu Timeout</b>	Changes timeout duration for menu screens.
<b>Standby Mode LED</b>	If set as <b>Off</b> the standby mode LED will not light up when the TV is in standby mode.
<b>Software Upgrade</b>	Ensures that your TV has the latest firmware. Press <b>OK</b> to see the menu options.
<b>Application Version</b>	Displays current software version.
<b>Auto Power Down</b>	Sets the desired time for the TV to automatically go into standby mode when not being operated. This option can be set from 1 to 8 hours in steps of 1 hour. You can also disable this option by setting as <b>Off</b> .

<b>Subtitle Mode</b>	This option is used to select which subtitle mode will be on the screen (DVB subtitle / Teletext subtitle) if both is available. Default value is DVB subtitle. This feature is available only for the country option of Norway.
<b>Biss Key</b>	Biss is a satellite signal scrambling system that is used for some broadcasts. If you need to enter Biss key on a broadcast, you can use this setting. Highlight <b>Biss Key</b> and press <b>OK</b> to enter keys on the desired broadcast.
<b>Store Mode</b>	Select this mode for store display purposes. Whilst <b>Store Mode</b> is enabled, some items in the TV menu may not be available. For some models <b>Enabled with video</b> 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.
<b>Power-Up Mode</b>	This setting configures the power-up mode preference. <b>Last State</b> and <b>Standby Mode</b> options are available.
<b>OSS</b>	Displays Open Source Software license information.
<b>Restore Default Boot Logo</b>	Restores the default boot logo. A confirmation message will be displayed. Select <b>Yes</b> and press <b>OK</b> . This option may not be available depending on the model of your TV and its features.
<b>Change Friendly Name</b>	Using this option you can change the device name that is used to identify your TV when connecting a device to the TV wirelessly. The default device name will be restored if the device name is left blank or first time installation is performed.
<b>Application Priority</b>	You can set your preferences regarding the priority between the broadcast applications and CICAM App/MI applications using this option. In case a CICAM is inserted into the TV and a contention occurs between the applications the priority will be given to the selected type of application.
<b>Model Information</b>	Displays information such as model name, serial number, MAC address, etc.

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

## General TV Operation

### Using the Channel List

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

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

### Managing the Favourite Lists

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

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

### Configuring Parental Settings

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

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

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

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

Note: If the country option in the **First Time Installation** is set as France, Italy or Austria, **Maturity Lock**'s value will be set to 19 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 buttons on the TV will not work.

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

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

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

Note: Default PIN could have been set to 0000 or 1234. If you have defined the PIN is requested depending on the country selection) during the **First Time Installation** use the PIN that you have defined. In case the PIN is entered incorrectly the times in succession, PIN entry will be blocked and it will no longer be possible to enter the PIN. You can unlock 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 in the **First Time Installation**.

### Electronic Programme Guide

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

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

There are 2 different types of schedule layouts available. **Timeline Schedule** and **Now/Next**. To switch between these layouts highlight on the top side of the screen and press **OK**.

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

### Timeline Schedule

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

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

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

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

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

**Now:** Displays current event of the highlighted channel.

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

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

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

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

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

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

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

**Record / Delete Rec. Timer:** Select the **Record** option and press the **OK** button. If the event is going to be recorded, a timer will be set. To stop recording, go to **Timers** list to be recorded. If this selected event is being broadcasted at the moment, recording will start immediately.

To cancel an already set record timer, highlight that event and press the **OK** button and select the option **Delete Rec. Timer**. The record timer will be cancelled. **IMPORTANT:** Connect a USB disk to your TV while the TV is switched off. You should then switch on the TV to enable the recording feature.

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

**Teletext Services**

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

pressing the coloured buttons. Follow the instructions displayed on the screen.

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

**Software Upgrade**  
Your TV is capable of finding and updating the firmware automatically via the broadcast signal or via Internet.

**Software upgrade select via user interface**  
On the main menu select **Settings**, then navigate to **Software Upgrade** and press the **OK** button. Then select **Scan for upgrade** and press **OK** button to check for a new software upgrade. The **Software Upgrade** option is also available in the **Settings-System/More** menu.

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

**3 AM search and upgrade mode**

Your TV will search for new upgrades at 3:00 o'clock. If **Automatic search** option is selected and if the TV is switched on, the search will be started. If a new software is found and downloaded successfully, it will be installed at the next power on.

**Notes:** Do not interrupt the power while is blinking during the recording. If the TV fails to come after the upgrade, wait for two minutes then plug it back in. All updates are automatically controlled. If a manual search is carried out and no software is found then this is the current version.

**Troubleshooting & Tips**

**TV will not turn on**  
Make sure the power cord is plugged in securely to a wall outlet. Press the Power button on the TV.

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

**No picture**  
• TV is not receiving any signal. Make sure the correct source has been selected.  
• Is the antenna connected properly?  
• Is the antenna cable damaged?

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

**No sound**

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

**Remote control - no operation**  
• The batteries may be exhausted. Replace the batteries.  
• The batteries may be inserted incorrectly. Refer to the section "Inserting the Batteries into the Remote."

**No signal on an input source**

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

**The image is not centered in VGA source**  
To have your TV automatically center the image, enter the **PC Position** menu in **Picture** menu, highlight **Autoposition** and press **OK**. Wait for it to finish. In order to set the position of the image manually you can use **H Position** and **V Position** options. Select the desired option and use Left and Right directional buttons on the remote to set.

**Recording unavailable**

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

**USB is too slow**

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

**PC Input/Typical Display Modes**

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

Index	Resolution	Frequency
1	640x480	60Hz
2	640x480	75Hz
3	800x600	59Hz
4	800x600	60Hz
5	800x600	72Hz

6	800x600	75Hz
7	1024x768	60Hz
8	1024x768	70Hz
9	1024x768	75Hz
10	1152x864	75Hz
11	1280x768	60Hz
12	1380x768	60Hz
13	1280x960	60Hz
14	1280x1024	60Hz
15	1280x1024	75Hz
16	1400x1050	60Hz
17	1440x900	60Hz
18	1440x900	75Hz
19	1820x1080	60Hz

### AV and HDMI Signal Compatibility

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

(X: Not Available, O: Available)

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

## Supported File Formats for USB Mode

### Video File Formats

Extension	Video Codec	Max. Resolution & Frame Rate & Bit Rate
.mpg, .mpeg, .dat, .vob	MPEG1/2, H.264, VC1	
.ls, .trp, .m2ts		
.avi	MPEG1/2, MPEG4, H.264, MJPEG	
.mp4, .m4a, .mkv, .mov, .dtl, .3gp, .3gp2, .3gpp	MPEG1/2, H.263, MPEG4, H.264	
.mkv	MPEG 1/2, MPEG4, H.264	H.264: 1080Px2@30fps - 50Mbps, 1080P@60fps - 50Mbps Other: 1080P@60fps - 50Mbps
.flv	Sorenson Sp, MPEG4, H.264	
.afv, .wmv	MPEG4, WMV3, VC1	
.webm	VP9, VP8	
.mp4, .mov, .3gp, .3gp, .ls, .trp, .tp, .mkv	HEVCH.265	

### Picture File Formats

Extension	Specification	Resolution (width x height)
.jpg, .jpeg	Baseline	8192 x 8192
	Progressive	3000 x 3000
.bmp	RGB 148/16/24/32 bit	
	RLE 4/8 bit	
.png	Grayscale, 24/32 bit per pixel	8192 x 8192
	Interface format	
	Progressive	

### Audio File Formats

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

### Subtitle File Formats

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

### Internal Subtitles

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

### Supported DVI Resolutions

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

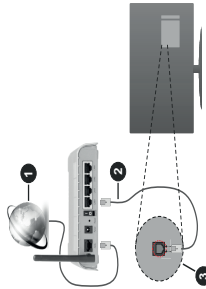
	56Hz	60Hz	66Hz	70Hz	72Hz	75Hz
640x480						
640x480		X	X	X	X	X
800x600	X	X	X	X	X	X
832x624						X
1024x768						X
1280x800		X	X	X	X	X
1152x864		X	X	X	X	X
1280x870						X
1280x768		X	X	X	X	X
1366x768		X	X	X	X	X
1280x810		X	X	X	X	X
1280x1024		X	X	X	X	X
1400x1050		X	X	X	X	X
1440x900		X	X	X	X	X
1600x1200		X	X	X	X	X
1680x1050		X	X	X	X	X
1820x1080		X	X	X	X	X



## Connectivity

### Wireless Connectivity

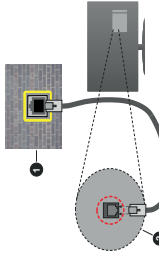
- To connect to a **Wired Network**, you must have a modem/router connected to an active broadband connection.
- Connect your TV to your modem/router via an Ethernet cable. There is a LAN port at the rear (back) of your TV.



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

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

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



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

### Configuring Wired Device Settings

#### Network Type

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

### Internet Speed Test

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

### Advanced Settings

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

### Wireless Connectivity

#### To Connect to a Wireless Network

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



1. Broadband ISP connection

A Wireless-N router (IEEE 802.11a/b/g/n) with simultaneous 2.4 and 5 GHz bands is designed to increase bandwidth. These are optimized 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 7th 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 Wireless feature of 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

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

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

All the 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 to list of detected wireless networks, highlight the **Add New Network** option and press **OK**. Enter the name of the network and select the security type using the related options to connect. *Note: If the modem supports N mode, you should set N mode settings.*

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

Wait until the IP address is shown on the screen.

This means that the connection is now established. To disconnect from a wireless network, highlight **Network Type** and press Left or Right buttons to set as **Disabled**.

If you have connected to a wireless network, **Disconnect** option will appear in the **Network** menu and your wireless network profile will also be saved, thus you 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**.

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

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

**Advanced Settings** and press the **OK** button to open the settings menu. Highlight **Use directional and numeric buttons to set**. Highlight **Save** and press the **OK** button to save settings when complete.

### Other Information

The status of the connection will be displayed as **Connected** or **Not Connected** and the current IP address. If a connection is established.

### Connecting to your mobile device via WLAN

- If your mobile device has WLAN feature, you can connect 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 router and then activate the sharing software on your mobile device. Then, select files that you want to share with your TV.

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

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

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

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

### Networked Standby Mode

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

Your TV is Wi-Fi and WLAN compatible. This feature might be disabled during the First Time Installation process. To activate this feature, go to the **Networked Standby Mode** option in the **Network** menu. **Note:** 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 turned off, the connection should be re-established, the next time it is switched on. Otherwise this feature will be unavailable. This

does not apply, when the TV is switched into the standby mode.

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

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

**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.

Then 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. Third applications are named differently for each brand, but 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 wireless network, please refer to the Troubleshooting section of this manual. 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 programme 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 unauthorized 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 authorized 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 enables the viewing process of digital electronics and makes them more convenient to use on a home network.

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

#### 1. Server Software Installation

The Audio Video Sharing feature cannot be used if the server programme 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 programme.

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

See the **Wired/Wireless Connectivity** chapters 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

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

If a problem occurs with the network, switch your television off at the wall socket and back on again. Trick mode and jump are not supported with the Audio Video Sharing feature.

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 utilize 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** menu. Press the **Menu** button on the remote, **Home** menu will be displayed. Highlight an app and press **OK** to launch.

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

You can add new apps from the application market. To access the market highlight the **Market** option in the TV menu and press **OK**. Available apps will be displayed. You can also access the application market from within the **More Apps** menu.

You can reset your customisations on the **Home** menu, including app layout and content. Press **Reset Apps** in the **Settings** menu (availability depends on TV model and its features). Highlight this option and press **OK**. A confirmation message will be displayed. Highlight **Yes** and press **OK** to proceed. Note that you will not be able to perform this operation again within the next few minutes.

#### Notes:

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

### HBTV System

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

HBTV 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 HBTV 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 applications by pressing red button. It should be noted that the red button switching capability is provided by the application and some application may behave differently (other colour buttons such as green, yellow buttons may be defined for some other channels, e.g. shortcuts).

If you switch to another channel while an HBTV 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.

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

HBTV applications use keys on the remote control to interact with the user. When an HBTV 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.

HBTV requires AV streaming capability for the platform. There are numerous applications providing VOD (video on demand) and catch-up TV services. The user can use play, pause, stop, forward, and

rewind keys on the remote control to interact with the AV content.

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

#### Smart Center

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

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

#### Getting Shared

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

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

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

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

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

#### Mobile Device screen

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

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

**MY CHANNELS:** The programmes of 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 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 the channels by pressing on the selected channel on the

EPG grid. Please note that updating / refreshing the EPG information might 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-embed 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 select "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 screens 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.

#### 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.

Note:

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

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

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

#### Media Share Page

To access the **Media Share** widget tap on the **Up-arrow** on the Share 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 been 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 Center app. (to be found on online application stores based on Android and IOS platforms)
5. Router/modem
6. USB storage device in FAT32 format (required for USB Recording feature, if available)

Note:

For Android devices, Normal(mdp), Large(lgdp) and Extra Large(xlgdp) screen sizes are supported. Devices with 3" or smaller screen sizes are not supported.

For iOS devices, all screen sizes are supported.

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

#### Alexa Amazon

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

#### Alexa Built-in

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

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

- Connect your **Microphone Box** to your TV
- Use the **Alexa Built-in** option in the **Settings-System-Voice Assistant** menu

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

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

#### Alexa Home Screen

Once the setup is complete, **Alexa Home Screen** feature will be integrated. This feature is an ambient screen which appears when no user activity is detected. A background image, time and date are shown on the screen. Suggestions will be displayed on the **Alexa Home Screen**.

You can use the **Alexa Home Screen** option in the **Settings-System-Voice Assistant-Alexa Built-in** menu to configure the settings of this feature. You can set to one of the inactivity periods to enable or set to OFF to disable.

**Alexa Home Screen** is displayed only when web browser or any other video on demand application except Netflix is running. It appears when no user activity is detected during the predefined inactivity period unless a media playback is in progress. Watching a movie, for example, is not considered as user inactivity.

You can press remote control buttons to make it disappear. As an exception you can use the **Volume +/-** buttons to control volume level even when **Alexa Home Screen** is running.

#### Works With Alexa

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

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

### Example Commands

Here are some voice commands that you can use:

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

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

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

### Setup process

- The wizard will guide you through the setup process. If you carry out first time installation on your TV, the Alexa setup wizard will be displayed after the installation process is completed. On the first screen highlight **Learn More** option and press **OK**. On the next screen you will be informed about the feature. Highlight **Start** and press **OK** to proceed.
- If you skip the setup wizard after the first time installation you can use the **Works With Alexa** option in the **Settings>System>Voice Assistant** menu to carry out the setup later manually. On the first screen you will be informed about the feature. Highlight **Start** and press **OK** to proceed.
- An authentication code will be created and displayed on the screen. Use your computer or any other device with internet access to go to the internet address (URL) shown on the screen. You will be directed to a page where you can sign in to your Amazon account first, if you are not already signed in. Then you will be directed to a page where you can enter the authentication code you see on the TV and link your TV to your Amazon account.
- If the linking process was successful you will be asked to determine a name for your TV, called "Friendly Name(FN)". A "Friendly Name" is a name that reminds you of your TV, such as "Living Room TV", "Kitchen TV", "Dining Room TV", etc. Choose an easy-to-say name. You will say this name to tell Alexa which TV to control. When you are done, highlight **OK** and press **OK**.
- Examples about the use of the feature will be displayed on the next screen. Press **OK** to finish the setup.
- If you carried out the setup after the first time installation you will return to the first screen of the setup wizard when you press **OK**. In that case press **Exit** or highlight **Setup Later** and press **OK** in order to exit the setup.

Once the setup is complete, you will be able to control the functions of your TV with Alexa.

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

### DVB functionality information

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

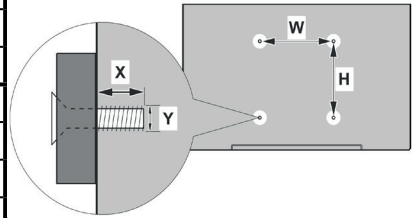
Although this DVB receiver conforms to the latest DVB specifications at the time of manufacture, we cannot guarantee compatibility with future DVB transmissions due to changes that may be implemented in broadcast signals and technologies.

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

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

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

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



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







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