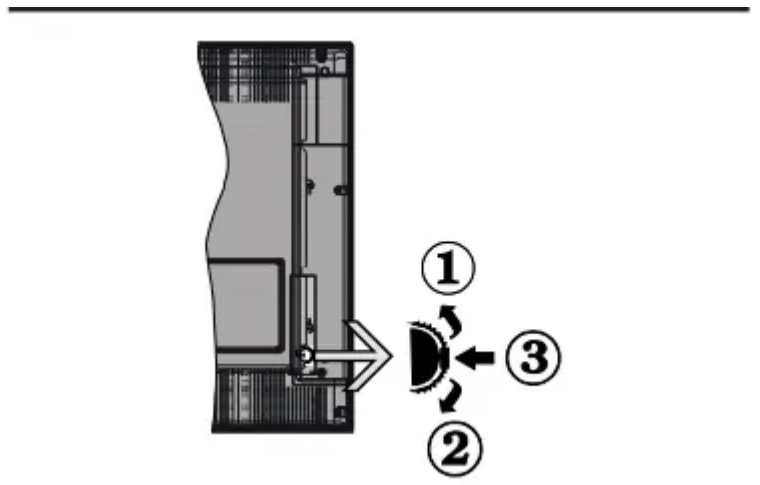


## TV Control Switch & Operation (Optional)



1. Up direction
2. Down direction
3. Volume / Info / Sources List selection and Standby-On switch

The Control switch allows you to control the Volume / Programme / Source and Standby-On functions of the TV.

- **To change volume:** Increase the volume by pushing the switch up. Decrease the volume by pushing the switch down.
- **To change channel:** Press the middle of the switch in, the information banner will appear on the screen. Scroll through the stored channels by pushing the switch up or down.
- **To change source:** Press the middle of the switch in twice (for the second time in total), the source list will appear on the screen. Scroll through the available sources by pushing the switch up or down.
- **To turn the TV off:** Press the middle of the switch in and hold it down for a few seconds, the TV will turn into standby mode.
- **To turn on the TV:** Press the middle of the switch in, the TV will turn on.

**Notes:** If you turn the TV off, this cycle starts again beginning with the volume setting. Main menu OSD cannot be displayed via control switch.

### **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 select the different sources.

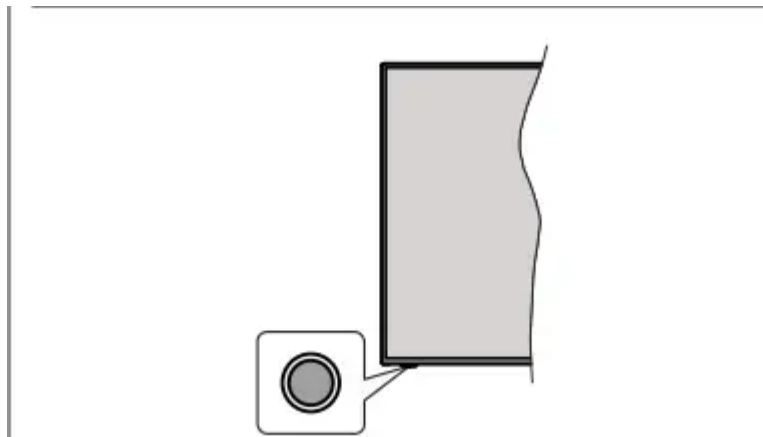
## Changing Channels and Volume

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

## Forced Standby

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

## TV Control Button & Operation (Optional)



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

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

## Operating with the Control Button

- Press the control button to display the function options menu.
- Then press the button consecutively to move the focus to the desired option if needed.
- Press and hold the button for about 2 seconds to activate the selected option. The icon colour of the option changes when activated.
- Press the button once again to use the function or enter the sub menu.
- To select another function option, you will need to deactivate the last activated option first. Press and hold the button to deactivate it. The icon colour of the option changes when deactivated.

- To close the function options menu do not press the button for a period of about 5 seconds. The function options menu will disappear.

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

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

**To change volume:** Press the control button to display the function options menu and then press the button consecutively to move the focus to Volume + or Volume - option. Press and hold the button for about 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. The sources list will be displayed when the button is released. 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 select the different sources.

### **Changing Channels and Volume**

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

### **Forced Standby**

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

## Using Main TV Menu

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

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

### **1. Home**

When main menu is opened Home menu bar will be highlighted. The content of the Home menu can be customised by adding options from other menus. Just highlight an option and press the Down direction button on the remote. If you see Add to Home option you can add it to the Home menu. Same way you can delete or change the position of any item in the Home menu. Press the Down direction button and select the delete or move icon and press OK. In order to move a menu item use the Right and Left direction buttons to select the position that you want the item to move to and press OK.

### **2. TV**

#### **Freeview Play**

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

#### **Search**

You can search for channels, programmes, services or settings using this option. Press OK and enter a key word using the virtual keyboard. Then highlight OK and press OK to start the search. Results will be displayed on the screen. Highlight the desired result using the directional buttons and press OK to open.

#### **Guide**

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

#### **Channels**

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

#### **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 on 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.

### **Recordings (Optional)**

You can manage your recordings using the options of this menu. You can playback, 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. Refer to the USB Recording section for more information.

### **Quick AI**

AI stands for artificial intelligence. By means of this feature some TV settings can be adjusted automatically depending on the genre information of the currently watched programme or depending on your preferences. Refer to the Quick AI section for more information.

## **3. Settings**

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

## **4. Apps**

When your TV is connected to the Internet related contents will also be available, including Apps related contents. Using the Apps menu you can access and manage your applications. You can add new apps from the market or delete the existing ones. Refer to Apps section for more information.

## **5. Sources**

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

## 6. Source Settings

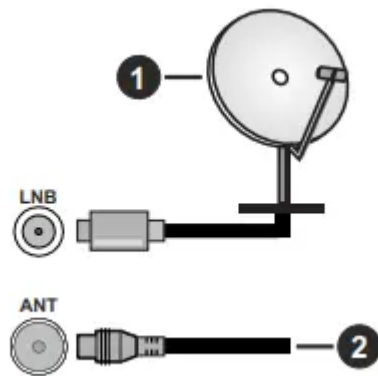
Edit the names, enable or disable selected source options. There are also **Regular** and **Enhanced** options available for HDMI sources. **Regular** and **Enhanced** options are affecting the colour settings of the selected HDMI source.

You can reset your customisations on the Home and Apps menus to defaults using the **Reset Menu** option 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 2 minutes.

### 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.

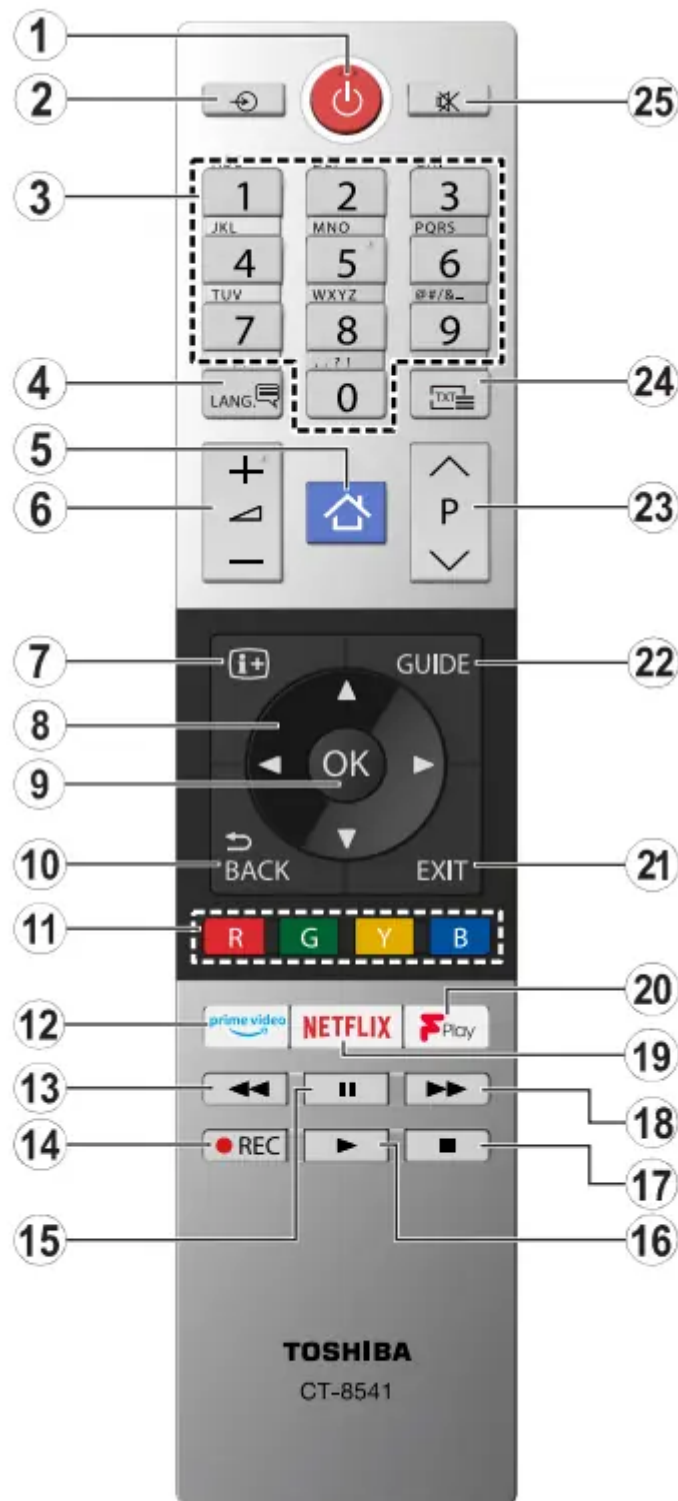
#### Rear side of the TV



1. Satellite
2. Aerial or cable

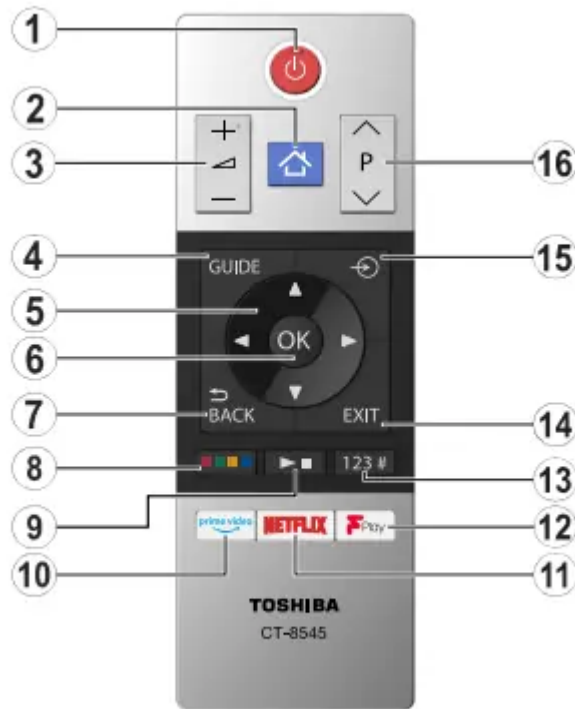
If you want to connect a device to the TV, make sure that both the TV and the device are turned off before making any connection. After the connection is done, you can turn on the units and use them.

## Remote Control



1. **Standby:** Switches On / Off the TV
2. **Source:** Shows available broadcast and content sources
3. **Numeric buttons:** Switches the channel, enters a number or a letter in the text box on the screen.













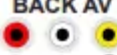

















4. **Language:** Switches among sound modes analogue TV), displays and changes audio/subtitle language and turns subtitles on or off (digital TV, where available)
5. **Menu:** Displays TV menu
6. **Volume +/-**
7. **Info:** Displays information about on-screen content, shows hidden information (reveal - in TXT mode)
8. **Directional buttons:** Helps navigate menus, content etc. and displays the subpages in TXT mode when pressed Right or Left
9. **OK:** Confirms user selections, holds the page (in TXT mode), views Channels menu (DTV mode)
10. **Back/Return:** Returns to previous screen, previous menu, opens index page (in TXT mode). Quickly cycles between previous and current channels or sources
11. **Coloured Buttons:** Follow the on-screen instructions for coloured button functions
12. **Prime Video:** Launches the Amazon Prime Video application
13. **Rewind:** Moves frames backwards in media such as movies
14. **Record:** Records programmes
15. **Pause:** Pauses the media being played, starts timeshift recording
16. **Play:** Starts to play selected media
17. **Stop:** Stops the media being played
18. **Fast Forward:** Moves frames forward in media such as movies
19. **Netflix:** Launches the Netflix application
20. **Freeview Play:** Connects to the Freeview Play platform where you can access available catch-up TV services
21. **Exit:** Closes and exits from displayed menus or returns to previous screen
22. **Guide:** Displays the electronic programme guide
23. **Programme +/-**
24. **Text:** Displays teletext (where available), press again to superimpose the teletext over a normal broadcast picture (mix)
25. **Mute:** Completely turns off the volume of the TV



1. **Standby:** Switches On / Off the TV
2. **Menu:** Displays TV menu
3. **Volume +/-**
4. **Guide:** Displays the electronic programme guide
5. **Directional buttons:** Helps navigate menus, content etc. and displays the subpages in TXT mode when pressed Right or Left
6. **OK:** Confirms user selections, holds the page (in TXT mode), views Channels menu (DTV mode)
7. **Back/Return:** Returns to previous screen, previous menu, opens index page (in TXT mode). Quickly cycles between previous and current channels or sources
8. **Coloured Buttons:** Select the coloured button you want to use from the dialogue box and press OK. Follow the on-screen instructions for coloured button functions
9. **Media Playback, Record and Language Buttons:** Select the button you want to use from the dialogue box and press OK. Use the media buttons to control the playback of the media. Control elements to play, pause, stop, rewind and fast forward the media will be available. Select the REC button and press OK to record a programme or select the Pause(II) button and press OK to start timeshift recording. Select the LANG. button and press OK to switch among sound modes (analogue TV), display and change audio/ subtitle language and turn subtitles on or off (digital TV, where available)
10. **Prime Video:** Launches the Amazon Prime Video application
11. **Netflix:** Launches the Netflix application

12. **Freeview Play:** Connects to the Freeview Play platform where you can access available catch-up TV services
13. **Numeric, Text and CEC Buttons:** Select the button you want to use from the dialogue box and press OK. Use the numeric buttons to switch the channel, enter a number or a letter in the text box on the screen. Select the TEXT button and press OK to display teletext (where available). Press again to superimpose the teletext over a normal broadcast picture (mix). Select the CEC button and press OK to terminate the function that enables you to control the connected CEC device with the TV remote.
14. **Exit:** Closes and exits from displayed menus or returns to previous screen
15. **Source:** Shows available broadcast and content sources
16. **Programme +/-**

## Connections

Connector	Type	Cables	Device
	VGA Connection (back)		
AUDIO IN 	PC/YPbPr Audio Connection (back)	 YPbPr/PC Audio Cable	
	HDMI Connection (side&back)		
SPDIF 	SPDIF (Optical Out) Connection (back)		
BACK AV 	Back AV (Audio/Video) Connection (back)	 Audio Video Cable	
HEADPHONE 	Headphone Connection (side)		
YPBPR 	YPbPr Video Connection (back)	 VGA to YPbPr Connection Cable	
	USB Connection (side)		
	CI Connection (side)		
LAN 	Ethernet Connection (back)	 LAN / Ethernet Cable	

See the illustrations on the left side. You can use YPbPr to VGA cable to enable YPbPr signal via VGA input. You cannot use VGA and YPbPr at the same time. To enable PC/YPbPr audio, you will need to use the back audio inputs with a YPbPr/PC audio cable for audio connection. When using the wall mounting kit (available from a third party in the market, if not supplied), we recommend that you plug all your cables into the back of the TV before mounting on the wall. Insert or remove the CI module only when the TV is SWITCHED OFF. You should refer to the module instruction manual for details of the settings. The/ Each USB input of your TV supports devices up to 500mA. Connecting devices that have current value above 500mA may damage your TV. When connecting



equipment using a HDMI cable to your TV, to guarantee sufficient immunity against parasitic frequency radiation and trouble-free transmission of high definition signals, such as 4K content, you have to use a high speed shielded (high grade) HDMI cable with ferrites.

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

## **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.

On the second screen set your country preference. 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 used, the supported features of it may be displayed on the side of the screen as an info banner. This option is intended only for store use. It is recommended to select **Home Mode** for home use. This option will be available in **Settings>System>More** menu and can be turned off/on later. Make your selection and press OK to continue.

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 privileges. Highlight a feature and use Left and Right directional buttons to enable or disable. Read the related explanations displayed on the screen for each highlighted feature before making any changes. You can use Programme +/- buttons to scroll up and down to read the entire text. You will be able to change your preferences at any time later from the **Settings>System>Privacy Settings** menu. If the **Internet Connection** option is disabled **Network/Internet Settings** screen will be skipped and not displayed. If you have any questions, complaints or comments regarding this privacy policy or its enforcement, please contact by email at [smarttvsecurity@vosshub.com](mailto:smarttvsecurity@vosshub.com).

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

On the next screen you need to agree to the terms and conditions of Freeview Play to make use of the related services. Scroll the page to read the entire text using the up/down directional buttons or **Programme +/- buttons**. Highlight Yes and press OK on the remote to confirm and proceed.

Highlight No and press OK to proceed without confirmation. For further requirements for Freeview Play services refer to the **Freeview Play Platform** section.

On 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 initial 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 or Right buttons. After selecting your antenna type press OK 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 services.
- **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 set the DiSEqC version and press OK to continue. You can set up to

four 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 tab 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(LCN is the Logical Channel Number system that organizes available broadcasts in accordance with a recognizable channel number sequence (if available).). Select Yes and press OK to confirm.

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

## **General TV Operation**

### **Using the Channel List**

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

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

### **Managing the Favourite Lists**

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

In order to remove a channel or channels from a favourite list follow the same steps and set the desired list option to Off.

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

## 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.

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

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

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

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

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

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

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

*Note: Default PIN could have been set to 0000 or 1234. If you have defined the PIN(is requested depending on the country selection) during the First Time Installation use the PIN that you have defined. Some options may not be available depending on the model and/or on the country selection in the First Time Installation.*

## Electronic Programme Guide

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

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

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

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

### ***Timeline Schedule***

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

Press Back/Return button to use available tab options.

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

Highlight Extras tab and press OK to access below options.

- Highlight Genre: Displays Highlight Genre menu. Select a genre and press OK. The events in the programme guide matching the selected genre will be highlighted.
- Guide Search: Displays searching options. Using these options, you can search the programme guide database in accordance with the selected criteria. Matching results will be listed.
- Now: Displays current event 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 tab options. Highlight Filter tab and press OK to see the filtering options. To change the layout highlight Timeline Schedule and press OK.

### **Event Options**

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

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

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

**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 broadcasted at a future time, it will be added to Timers list to be recorded. If the selected event is being broadcasted at the moment, recording will start immediately.

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

**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*

## Integrated Catch-Up Services

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

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

## Software Upgrade

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

### Software upgrade search via user interface

On the main menu select Settings>System and then More. Navigate to Software upgrade and press the OK button. Then select Scan for upgrade and press OK button to check for a new software upgrade. You can select the satellite, which is used for updating process by setting Edit upgrade for Satellite option.

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 scanning option is set to Enabled and if the TV is connected to an aerial signal or to Internet. If a new software is found and downloaded successfully, it will be installed at the next power on.

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

## **Troubleshooting & Tips**

### **TV will not turn on**

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

### **Remote control - no operation**

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

### **No signal on an input source**

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

### **The Image is not 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.

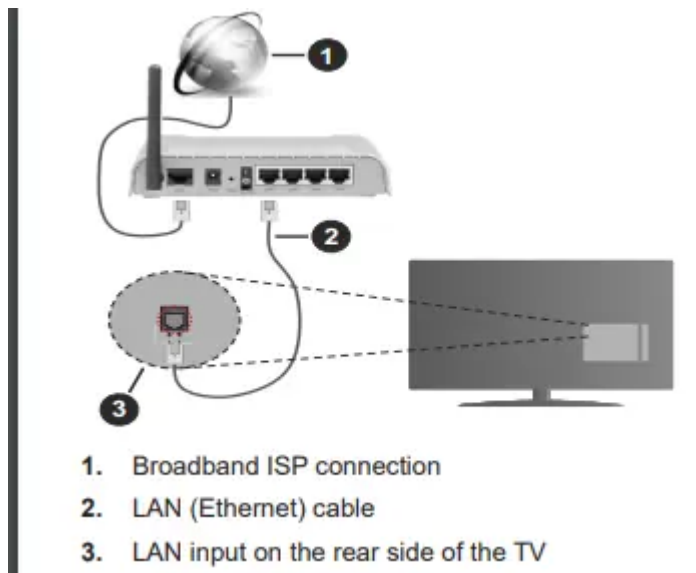
### **USB is too slow**

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

## **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.



**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.

[image]

## 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 Manual IP and / or Manual DNS values. 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.

## **Connecting Bluetooth Devices (Optional)**

Your TV supports Bluetooth wireless connection technology too. A pairing is required before using Bluetooth devices with the TV set. You should do the following to pair your device with the TV:

- Set the device to pairing mode
- Start device discovery on the TV

**Note:** Refer to the user manual of the Bluetooth device to learn how to set the device to pairing mode.

You can connect audio devices or remote controllers to your TV using the Bluetooth wireless technology. Unplug or switch off any other connected audio device in order for wireless connection feature to work correctly. For audio devices you should use the Bluetooth option in the Settings>Sound menu, for remote controllers the Smart Remote option in the Settings>System>More menu. Select the menu option and press the OK button to open the related menu. Using this menu you can discover and connect the devices that use the Bluetooth wireless technology and start to use them. Follow the onscreen instructions. Start the device discovery. A list of available Bluetooth devices will be displayed. Select the device you want to connect from the list and press the OK button to connect. If “Device connected” message is displayed, the connection is successfully established. If the connection fails try it again.

### ***Image transfer and audio streaming***

You can also use Bluetooth connection to transfer images or stream audio from your mobile device to your TV.

Pair the mobile device and the TV as described before.

Start a device search in your hand-held device. Select your TV from listed devices. Confirm the request for connection on your TV screen and do the same on your hand held device screen. If no pairing is done, image transfer or audio streaming to the TV will not be possible.

The images sent by mobile device will be displayed on the TV without confirmation request, if the image file is suitable. You can also save the image file to a connected USB memory drive or set as boot logo, if this feature is supported and the file is suitable. Press the Exit button to terminate displaying the image.

The audio will be routed through the speakers of the TV, after confirmation is given. To start audio streaming unpair the device from your TV if it is paired with your TV previously. After pairing is completed, a confirmation message will be displayed asking whether you want to start audio streaming from your mobile device. Select Yes and press the OK button on the remote of the TV. If the connection is succeeded, all audio will be routed through the speakers of the TV. A symbol will appear on the upper side of the TV screen as long as the audio streaming connection is active. To terminate the audio streaming, you should turn off the Bluetooth connection of your mobile device.

Close all running applications and all the menus on the TV for a trouble-free transfer. Only image files with sizes smaller than 5 MB and in the following file formats are suitable; .jpg, .jpeg, .png, bmp. If a file sent by the mobile device does not suit these requirements, it will not be displayed on the TV.

If the **Audio Video Sharing** option in the **Settings>System>More** menu is disabled, the TV will ignore pairing requests and no information message will be displayed on the screen. If a device is already paired prior to disabling the **Audio Video Sharing** option, it will be able to continue sharing audio/video with the TV even if the **Audio Video Sharing** option is disabled.

**Note:** *Wireless devices may operate within the same radio frequency range and may interfere with one another. To improve the performance of your wireless device place it at least 1 meter away from any other wireless devices.*

## **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 meters 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.

#### **Warning**

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