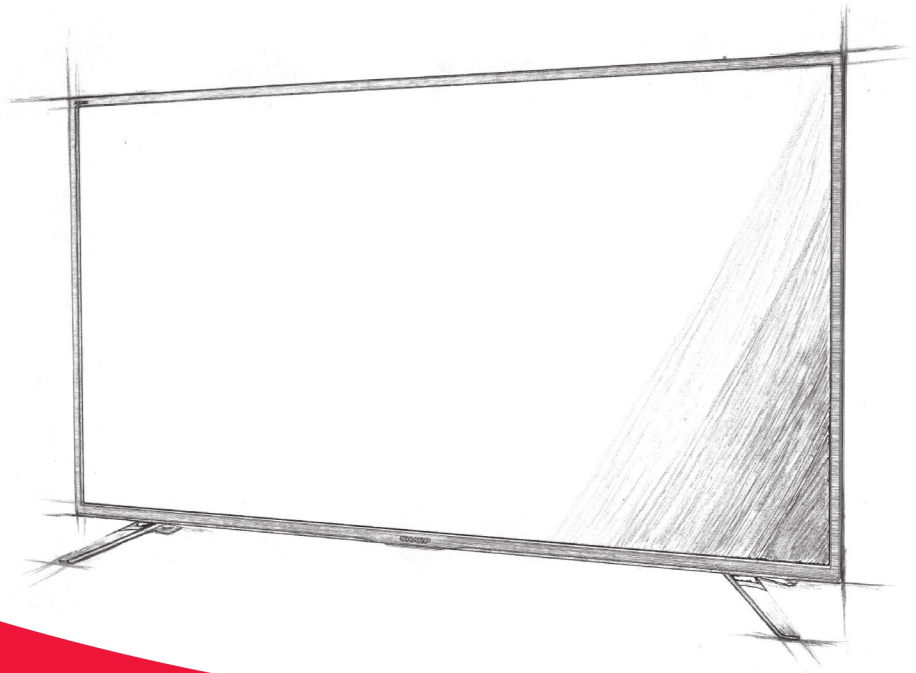
SHARP | TITAN OS



Instruction manual

Sharp Titan OS TV

EN

Trademarks



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Getting started

Using the Remote Control

You can operate many of the TV features by using the UP, DOWN, LEFT, RIGHT and OK buttons on the remote control.

The following remote control buttons are used to navigate the menus:

(Back) - Takes you one step back in the menu.

ARROW BUTTONS - Navigate around the options on the screen.

OK - Selects the option highlighted or selected.

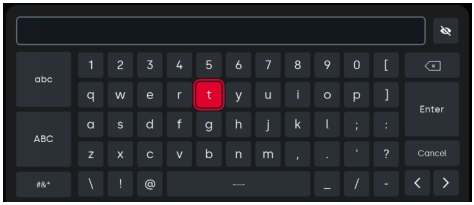
Inputting text

On-screen keyboard

The TV includes a preinstalled on-screen keyboard, which appears whenever text needs to be entered, for example when entering a Wi-Fi password or a website address in the web browser.

To navigate the on-screen keyboard, use the **ARROW** buttons on the remote control. Press **OK** to enter the selected character.

When you have finished entering text or a password, select the **ENTER** button on the on-screen keyboard and press **OK** to confirm.



Connecting external devices

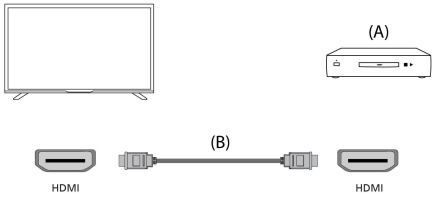
Before switching on the TV, it is recommended that you connect any external devices before starting the first-time installation process. Depending on the available connections on your TV, follow the guidance below when connecting external devices.

Note:

Before making any connections, ensure that the TV and the external device are disconnected from the mains supply.

HDMI Connection

For optimum picture quality, we recommend connecting your device to the TV using an HDMI cable.



HDMI CEC-Compatible Devices

If an HDMI CEC-compatible device, such as a Blu-ray player or AV receiver, is connected using an HDMI cable, you can operate the device using the TV's remote control. We recommend using the HDMI (ARC) connection when connecting an AV receiver. For more information, refer to the ARC section of this Operation Manual.

Adjusting HDMI CEC Settings

1.Turn on the connected device.

2.To enable HDMI control, press the **(Settings)** button, then select **[All settings] > [General settings]**, scroll down and activate **[CEC]** and **[CEC remote control].**

3.Activate HDMI control on the connected device.

Features Available to Compatible CEC Devices

Blu-ray/DVD player

- Automatically turns the TV on and switches the input to the connected Blu-ray/DVD player when the Blu-ray/DVD player starts to play.
- Automatically turns the connected Blu-ray/DVD player off when you turn the TV off.
- Controls menu operation ARROW buttons, playback and track selection of the connected Blu-ray/DVD player through the TV's remote control.

AV Receiver

- Automatically turns the connected AV receiver on and switches the sound output from the TV speaker to the audio system when you turn the TV on. This function is only available if you have previously used the AV receiver to output the TV's sound.
- Automatically switches the sound output to the AV receiver by turning the AV receiver on when the TV is turned on.
- Automatically turns the connected AV receiver off when you turn the TV off.
- Adjust the volume and mute functions via the **VOL+/-** and **MUTE** buttons on your TV remote control.

Video Camera

- Automatically turns the TV on and switches the input to the connected video camera when the camera is turned on.
- Automatically turns the connected video camera off when you turn the TV off.
- Controls menu operation **ARROW** buttons, playback, e.g. **PLAY** button of the connected video camera through the TV's remote control.

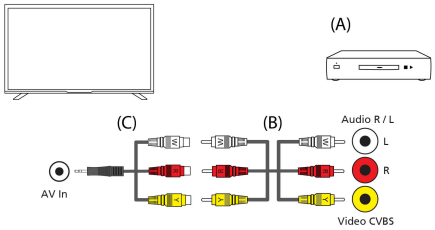
Note:

Not all devices with HDMI input/output are HDMI CEC compatible. For information about CEC compatibility, refer to the instruction manual of the device. Refer to "HDMI connection (ARC supported)" section of this manual for information relating to connecting an HDMI (ARC) enabled device.

Composite video connection

If your external device has composite jacks/sockets, connect them to the TV using a composite video/audio cable.

Mini AV connection



(A) External Device

(B) Composite video/audio cable (not supplied)

(C) Composite video/audio adapter cable (not supplied)

Connecting an external audio device

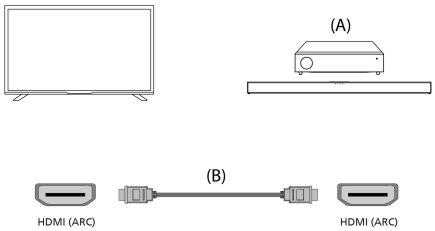
You can connect audio systems such as AV receivers or soundbars to the television. Select a connection method below according to the specifications of the audio system you want to connect.

- Connecting with an HDMI cable
- Connecting with a digital optical cable
- Connecting with an audio cable

HDMI Connection (ARC/eARC)

Connecting the television and audio system with an HDMI cable. This is the recommended method of connecting an external audio device.

Use an HDMI cable to link the HDMI input terminal on the television marked with "ARC" or "eARC" to the HDMI input on the external audio device bearing the "ARC" or "eARC" text.



(A) AV receiver or soundbar

(B) HDMI cable (not supplied)*

Note:

To ensure proper operation of the eARC function, use an HDMI cable labeled "HDMI High Speed with Ethernet" or better.

Additional settings for HDMI ARC connection

For this connection to work, HDMI CEC must be enabled on the TV. To do this, press **(Settings)** button, then select **[All settings] > [General settings]**, scroll down and activate **[CEC].** If you want to control the volume of the connected device using the TV remote control, enable **[CEC remote control]** in the same menu.

If your connected audio system is not producing sound, it is possible that it does not support the required codecs. In such cases, you can try allowing the TV to decode the sound. Press the **(Settings)** button and select **[All settings] > [Sound] > [Advanced] > [Digital out format] > [STEREO (uncompressed)].**

Differences between ARC and eARC explained

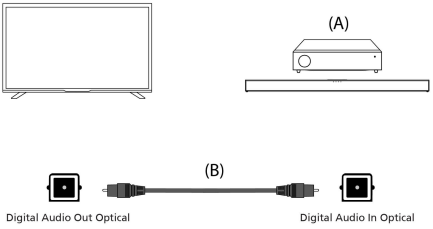
If your external audio system only supports the HDMI ARC function, the TV will only be able to transmit compressed audio with a maximum of 5.1 channels.

If your external audio system supports the HDMI eARC function, the TV will be able to transmit uncompressed audio with a maximum of 7.1 channels. Transmission of object sound, such as Dolby Atmos and DTS:X, is also supported.

Digital Audio (Optical)

Connecting your television and audio system with a digital optical cable.

Connect to the audio system digital optical input terminal.



(A) AV receiver or Soundbar

(B) Optical audio cable (not supplied)

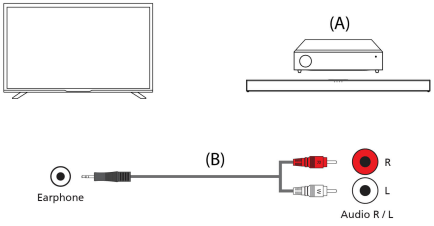
Note:

When using the digital optical output for audio connection, it is important to disable the TV's internal speakers to avoid any echo effects. To do this, press **(Settings)** button and select **[All settings] > [Sound] > [Advanced] > [Audio out] > [Optical]**. This will disable the TV's internal speakers.

If your connected audio system is not producing sound, it is possible that it does not support the required codecs. In such cases, you can try allowing the TV to decode the sound. Press the **(Settings)** button and select **[All settings] > [Sound] > [Advanced] > [Digital out format] > [Stereo (uncompressed)].**

RCA Analogue Audio Cable

Connect to the audio system's audio input terminal.



(A) AV receiver or Soundbar

(B) Audio cable (not supplied)

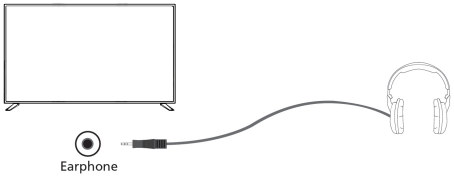
Note:

The output audio level is dependent upon the headphone level. The volume level on the connected audio system must be turned up.

Connecting Headphones

You can connect wired or Bluetooth headphones to this TV.

Connecting wired headphones



When wired headphones are connected to the 3.5mm jack socket of the TV, the internal speakers will cut out. The volume of the sound which comes from the headphones is controlled via the remote control using the **VOL+** and **VOL-** buttons.

First-time installation

When the TV is switched on for the first time, it will enter installation mode. It is recommended that you complete all steps to ensure correct operation. Use the **(Back)** button on the remote control to return to the previous screen.

1. Select your preferred on-screen display language. This sets the language in which menus and related information are displayed. To change it later, go to the **[Region and language]** menu.
2. Select the country in which the TV will be used. This determines certain TV functions, such as operator-specific settings for channel tuning.
3. Set a PIN code for your TV. You will need to remember this code, so write it down and keep it in a safe place. 0000 is not allowed as a PIN.
4. Set up the Internet connection. If an Ethernet cable is connected to the LAN socket on the back of the TV, select **[Wired]** and the TV will connect automatically. For a wireless connection, select **[Wireless (Wi-Fi)]**.

If you selected **[Wireless (Wi-Fi)]**, choose your network from the list and use the on-screen keyboard to enter your password. Once the password has been entered correctly, the TV will connect to your network and to the Internet, if available.

After connecting, press the **OK** button to continue.

5. The terms and conditions for using Smart TV features are displayed. Read the information, then continue.
6. The privacy information is displayed. Make your selections from the available options, then continue.
7. Set the TV to Home or Shop mode. **[Home]** is the default setting for normal use. This can be changed later in the Settings menu if required.
8. If you have an antenna cable connected to one of the TV's tuners, select the appropriate option and start the tuning process.

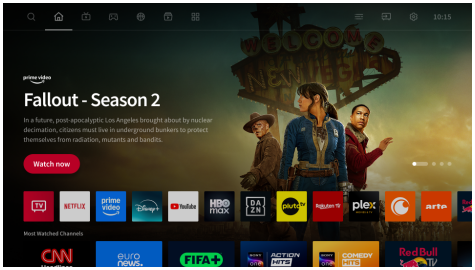
Note:

If you have connected a set-top box via an HDMI cable, select **[Connect a set-top box]**, then choose the HDMI input to which it is connected. This will prevent the TV from attempting to tune any channels.

9. While the TV is tuning, the screen will show progress updates and the number of digital channels found.
10. Depending on the country selected, you may be asked to enter your postcode. This helps the TV find the correct local channels. Use the on-screen keyboard to enter your postcode.
11. The tuning results will be displayed. Highlight **[Continue]** and press the **OK** button.
12. Choose whether to allow the TV to be switched on via the local network. For example, you can switch the TV on from standby mode by casting content from a mobile device. Please note that enabling this feature will increase power consumption while the TV is in standby mode. Enable or disable this feature according to your preferences.
13. Congratulations! Your Smart TV is now ready to use. Select **[Finish]** and press the **OK** button.

Home screen

The TV Home screen is the central hub for accessing the TV's features and content. It provides an easy-to-use interface for browsing apps, recommendations and settings. You can open the Home screen at any time by pressing the **(Home)** button.



At the top of the screen, you will find icons for various features. The available options may vary depending on the country selected during the initial installation.

[Search] - Use the on-screen keyboard to search for content.

[Home] - Returns to the Home screen.

[Channels] - Switches to live TV channels.

[Free] - Displays available free content.

[Sports] - Displays live and upcoming sports events.

[Apps] - Displays all installed and available apps.

[Public value] - Displays recommended, featured and free streaming apps. This section brings together local public broadcaster apps and selected streaming services in one place.

[TV Guide] - Opens the 7-day electronic programme guide.

[Sources] - Displays the list of available input sources.

[Settings] - Opens the full Settings menu.

Managing apps in the Apps row

Reordering apps

The Apps row on the Home screen contains your favourite apps. To change their order:

1. Select the app tile you want to move.
2. Press and hold the **OK** button until arrows appear on either side of the app tile.
3. Use the ◄ or ► button to move the app to the desired position.
5. Press **OK** to confirm the new position.

Adding an app to the Apps row

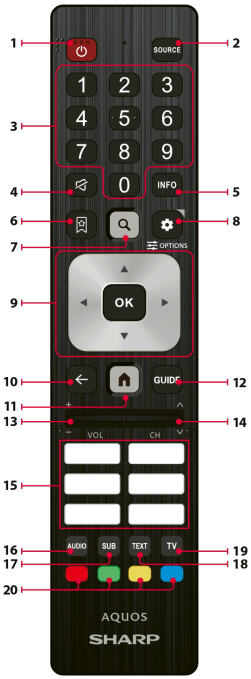
1. On the Home screen, select the **[Apps]** tab (four-squares icon).
2. Select the app you want to add.
3. Select **[Add to Favourites].**
4. Use the ◄ or ► button to move the app to the desired position.
5. Press **OK** to confirm the new position.

Removing an app from the Apps row

1. On the Home screen, select the **[Apps]** tab (four-squares icon).
2. Select the app you want to remove.
3. Select **[Remove from Favourites].**

Remote control

Remote control parts description



1. **STANDBY** - Switches the TV on from standby mode or puts it into standby mode.
2. **SOURCE** - Displays the input/source menu.
3. **NUMBER BUTTONS** - Use 0-9 to select a TV channel directly.
4. **MUTE** - Mutes or restores the sound.
5. **INFO** - Press once to view information about the programme you are currently watching. While the information panel is displayed, press ► to view information about the upcoming programme.
6. **FAVOURITE** - Opens the list of favourite channels.
7. **SEARCH** - Opens the on-screen keyboard to search for information and display results on the screen.
8. **SETTINGS** - Short press: Displays the Quick Settings menu. Long press: Displays the Options menu.
9. **(▲/▼/◄/►/OK)** - Allows you to navigate the on-screen menus and adjust system settings.
10. **BACK** - Returns to the previous menu or screen.
11. **HOME** - Displays the TV Home screen.
12. **GUIDE** - Opens the 7-day TV guide (digital TV mode only).
13. **VOL +/-** - Tilt to increase or decrease the volume level.
14. **CH +/-** - Tilt to switch to the next or previous channel.
15. **APP KEYS** - Provide quick and direct access to specific applications. The dedicated buttons vary by model and region.
16. **AUDIO** - Opens the audio track menu.
17. **SUB** - Turns subtitles on or off.
18. **TEXT** - Turns Teletext on or off.
19. **TV** - Switches to the last watched TV source.
20. **COLOUR BUTTONS** - Perform the corresponding function indicated on the screen.

Live TV

Tuning terrestrial (air) channels

To quickly reinstall all channels, follow the steps below:

1. Press the **(Settings)** button, then select **[All settings] > [Channels] > [Antenna/Cable Installation] > [Search for channels].**
2. Select **[Quick channel reinstall]** or **[Channel reinstall]** (if the country setting is set to the UK) to start tuning all available channels.

To go through all channel tuning steps, follow the instructions below:

1. Press the **(Settings)** button, then select **[All settings] > [Channels] > [Antenna/Cable Installation] > [Search for channels].**
2. Select **[Advanced channel reinstall]** or **[Freely application setup]** (if the country setting is set to the UK).
3. Select **[Antenna (DVB-T)].**
4. Select **[Settings]** and adjust the additional settings if required:

   Select **[Frequency scan]** and choose either **[Quick]** or **[Full]**. Press **(Back)** to return to the previous menu.

   Select **[Free/Scrambled]** and choose either **[Free channels only]** or **[Free + scrambled]**. Press **(Back)** to return to the previous menu.

   Press the **Red** button to restore the default settings, or press the **Green** button to save the settings.
5. Select **[Start]** to begin tuning.

Additional antenna settings

Press the **(Settings)** button, then select **[All settings] > [Channels] > [Antenna/Cable Installation]**. Here you can configure additional channel-related settings:

[Automatic channel update] - When enabled, the TV searches for new channels and removes channels that are no longer found while the TV is in standby mode overnight.

[Channel update message] - When enabled, an information message is displayed if channels were found, updated or removed while the TV was in standby mode.

[Digital: reception test] - Displays the signal reception quality. If reception is poor, try repositioning your antenna. To check the signal quality of the selected frequency again, select **[Search]** and press **OK**.

Tuning cable channels

To quickly reinstall all channels, follow the steps below:

1. Press the **(Settings)** button, then select **[All settings] > [Channels] > [Antenna/Cable Installation] > [Search for channels].**
2. Select **[Quick channel reinstall]** to start tuning all available channels.

To go through all channel tuning steps, follow the instructions below:

1. Press the **(Settings)** button, then select **[All settings] > [Channels] > [Antenna/Cable Installation] > [Search for channels].**
2. Select **[Advanced channel reinstall]**.
3. Select **[Cable (DVB-C)].**
4. Select **[Settings]** and adjust the additional settings if required:

[Frequency scan] - Select one of the available options:

[Full] - Tunes channels on all available frequencies. The tuning process may take some time.

[Quick] - Tunes channels more quickly using predefined settings used by most cable operators.

[Advanced] - Tunes channels based on the frequency and network ID provided by your cable operator. If [Frequency] is set to [Auto], the TV scans predefined operator frequencies until a homing channel is found. It then quickly tunes the remaining channels using information obtained from the homing channel.

[Frequency step size] - The default step size is 8 MHz. If not all channels are found during tuning, try changing the step size to 1 MHz and repeat the tuning process. Tuning with a 1 MHz step size will take longer.

[Network frequency mode] - If you plan to use [Quick] tuning, select **[Automatic].** If your cable operator has provided a specific network frequency, select **[Manual].**

[Network frequency] - Enter the network frequency provided by your cable operator. Available only when [Network frequency mode] is set to [Manual].

[Network ID] - Enter the network ID provided by your cable operator.

[Symbol rate mode] - If your cable operator has provided a symbol rate, select **[Manual].** Otherwise, leave this setting at **[Automatic].**

[Symbol rate] - Enter the symbol rate provided by your cable operator. Available only when [Symbol rate mode] is set to [Manual].

[Free / Scrambled] - To receive only free-to-air channels, select **[Free channels only].** If you use a CAM and subscribe to paid TV services, select **[Free + scrambled].**

Press the **Red** button to restore the default settings, or press the **Green** button to save the settings.

5. Select **[Start]** to begin tuning.

Additional cable settings

Press the **(Settings)** button, then select **[All settings] > [Channels] > [Antenna/Cable Installation]**. Here you can configure additional channel-related settings:

[Automatic channel update] - When enabled, the TV searches for new channels and removes channels that are no longer found while the TV is in standby mode overnight.

[Channel update message] - When enabled, an information message is displayed if channels were found, updated or removed while the TV was in standby mode.

Tuning Satellite Channels

To install satellite channels on your TV, follow the steps below:

1. Press the **(Settings)** button, then go to **[All settings] > [Channels] > [Satellite installation] > [Search for satellite] > [Reinstall channels].**
2. Select **[Settings]** and adjust the additional settings if required:

[Connection type] - Select the connection type that corresponds to your satellite setup. Choose the correct number of LNBs or the appropriate Unicable system.

[LNB Settings] - Customise individual LNB parameters.

Press the **Red** button to restore the default settings, or press the **Green** button to save the settings.

3.Select **[Start]** to begin searching for satellite.

4.The results screen displays the recommended satellites available at your location.

5.If you want to use a different satellite, select **[Configure]**, then assign the required satellite to the appropriate LNB.

6.Select **[Install].** From the operator list, select your satellite operator or a preset channel list. If you do not want the channels to be sorted automatically, select **[Unsorted].**

Additional satellite settings

Press the **(Settings)** button, then select **[All settings] > [Channels] > [Satellite installation]**. Here you can configure additional satellite channel settings:

[Automatic channel update] - When enabled, the TV searches for new channels and removes channels that are no longer found while the TV is in standby mode overnight.

[Channel update message] - When enabled, an information message is displayed if channels were found, updated or removed while the TV was in standby mode.

[Automatic update option] - If multiple satellites are installed, you can deselect the satellites for which you do not want to receive automatic channel updates.

[Manual installation] - Allows you to install a single transponder. Adjust the available settings in this menu, then select **[Search]** to start tuning.

Channel list

The channel list provides quick access to all available TV channels in one convenient location. Follow these steps to access and use the channel list:

1.Press the **SOURCE** button and switch to the TV source.

2.Press the **OK** button to open the channel list.

3.Use the **arrow buttons** on the remote control to browse the list of available channels.

4.Press the **OK** button to select a channel and start watching.

5.Press **(Back)** to close the channel list.

Switching between the channel lists

You may have multiple channel lists available (tuners, FAST channels and favourites). To switch between channel lists:

1.Press the **SOURCE** button and switch to the TV source.

2.Press the **OK** button to open the channel list.

3.Press and hold **(Settings)** button.

4.Select **[Select channel list]**, then choose one of the available channel lists.

Renaming a channel

1.Press the **SOURCE** button and switch to the TV source.

2.Press the **OK** button to open the channel list.

3.Use the cursor to highlight the channel you wish to rename.

4.Press and hold **(Settings)** button and select **[Rename channel].**

5.Use the on-screen keyboard to enter a new name for the channel.

6.Select **Enter** on the on-screen keyboard to save the new name.

7.Press **(Back)** to close the channel list.

Channel filter

1.Press the **SOURCE** button and switch to the TV source.

2.Press the **OK** button to open the channel list.

3.Press and hold **(Settings)** button.

4.Select **[Digital/Analogue]** or **[Free/Scrambled]** to filter channels according to your preferences.

Locking a channel

You can lock a channel so that it is skipped when changing channels using the **CH+** or **CH-** button.

1.Press the **SOURCE** button and switch to the TV source.

2.Press the **OK** button to open the channel list.

3.Select the channel you want to lock.

4.Press and hold **(Settings)** button.

5.Select **[Lock channel].**

Note:

Locked channels are marked with a lock icon below the channel name.

Unlocking a channel

If you have previously locked a channel and you want to unlock it, follow these steps:

1.Press the **SOURCE** button and switch to the TV source.

2.Press the **OK** button to open the channel list.

3.Select the channel you want to unlock.

4.Press and hold **(Settings)** button.

5.Select **[Unlock channel]**.

Channel search

You can search for a specific channel in the channel list by entering its name using the on-screen keyboard.

1.Press the **SOURCE** button and switch to the TV source.

2.Press the **OK** button to open the channel list.

3.Press and hold **(Settings)** button.

4.Select **[Search channels]**.

5.Using the on-screen keyboard, enter the full or partial name of the channel.

6.Select **Enter** on the on-screen keyboard to confirm.

Favourites list

The favourites list gives you quick access to your most-watched TV channels. Follow the instructions below to create and manage your favourites lists.

Creating a favourites list

You can create one favourites list for each standard channel list (for example, **Antenna**, **Satellite** or **Streaming**). Before creating a favourites list, make sure the required channel list is selected.

1.Press the **SOURCE** button and switch to the TV source.

2.Press the **OK** button to open the channel list.
3.Press and hold **(Settings)** button.
4.Select **[Create favourites list].**
5.Select a channel then press **OK** to add it to the favourites channel list.
6.Continue selecting channels and press **OK** to add them to the favourites list.
7.Press the **Green** button to finish.

Switching between the channel lists

You may have multiple channel lists available (tuners, FAST channels and favourites). To switch between channel lists:

1.Press the **SOURCE** button and switch to the TV source.
2.Press the **OK** button to open the channel list.
3.Press and hold **(Settings)** button.
4.Select **[Select channel list]**, then choose one of the available channel lists.

Adding channels to your favourites list

When viewing a standard channel list (for example, Antenna, Satellite or Streaming), you can add additional channels to its corresponding favourites list.

1.Press the **SOURCE** button and switch to the TV source.
2.Press the **OK** button to open the channel list.
3.Select a channel you want to add to the favourites.
4.Press the **Green** button to add it to the favourites.

Note:

Channels included in a favourites list are marked with a red heart icon.

Adding a range of channels to a favourites list

1.Press the **SOURCE** button and switch to the TV source.
2.Press the **OK** button to open the channel list.
3.Press and hold **(Settings)** button.
4.Select **[Select channel range].**
5.In the channel list, press **OK** to mark the first channel in the range. Scroll to the last channel in the range and press **OK** again.

Note:

All channels in the selected range are added to the favourites list.

Removing channels from a favourites list

1.Press the **SOURCE** button and switch to the TV source.
2.Press the **OK** button to open the channel list.
3.Select the channel you want to remove from the favourites list (identified by a red heart icon), then press the **Green** button.

HbbTV

HbbTV (Hybrid Broadcast Broadband TV) provides interactive broadcaster services via the Internet, such as catch-up TV, additional programme information and interactive apps. Availability depends on the broadcaster, country and Internet connection.

When HbbTV is enabled on your TV and is available on the broadcast channel, a message is usually displayed when you switch to the channel, indicating how to open the HbbTV service. Typically, you need to press the **Red** button on the remote control.

How to enable/disable HbbTV

To globally enable or disable HbbTV:

1.Press the **(Settings)** button on the remote control.
2.Select **[All settings] > [Channels] > [HbbTV settings].**
3.Select **[HbbTV]** to enable or disable HbbTV services on your TV.

When HbbTV is enabled on your TV, you may still want to disable it for specific channels. To do this, follow these steps:

1.Press the **SOURCE** button and switch to the TV source.
2.Switch to the channel on which you want to disable HbbTV.
3.Press and hold the **(Settings)** button.
4.Select **[HbbTV on this channel]**, then press **OK** to switch it off.
5.Press the **(Back)** button to exit the menu.

Additional HbbTV settings

1.Press the **(Settings)** button on the remote control.
2.Select **[All settings] > [Channels] > [HbbTV settings].**
3.Adjust or enable the settings below if required.

[HbbTV tracking] - Enables or disables tracking features used by HbbTV services. When enabled, broadcasters and HbbTV apps may collect information about your use of interactive TV services. When disabled, tracking is restricted where supported.

[HbbTV cookies] - Enables or disables the storage of cookies by HbbTV apps. Cookies may be used to remember preferences, settings or sign-in information. If disabled, some HbbTV services may not work as expected.

[Clear approved app listing] - Clears the list of TV apps, broadcasters and streaming services that you have previously permitted to run in the background. This resets your HbbTV permissions to their factory default state.

[HbbTV Device ID reset] - Clears the unique identifier used by the TV for Hybrid Broadcast Broadband TV (HbbTV) services. Resetting it generates a new ID, disconnects your previous viewing history and prevents broadcasters from using the previous ID to track your viewing habits across different interactive apps.

Using the TV with other devices

Playing content stored on a USB device

Connect a USB storage device to the TV's USB port to enjoy photos, music and videos stored on the device.

1. Connect the USB device to the TV and switch the TV on.
2. Press the **SOURCE** button.
3. Select **USB** from the list of available sources.
4. In **[USB Devices]**, select your USB device.
5. Browse the folders and files, then select the file you want to play.
6. Press the **OK** button to start playback.

Note:

- Depending on the image dimensions, file size and number of files in a folder, some photos or folders may take longer to display.
- Displaying the contents of a USB device may take some time, depending on the amount and type of content stored on it.
- Do not disconnect the TV or the USB device from the power supply while the USB device is being accessed, as this may corrupt the data.
- Some files may not be supported and therefore cannot be played.
- Some photos and videos may be enlarged, which can reduce picture quality. Depending on their size and aspect ratio, images may not be displayed in full-screen mode.
- The time required to display a photo may vary depending on the file and current settings.
- If your digital camera is not recognised by the TV, try setting the USB connection mode on the camera to Mass Storage.

Casting content to your TV

You can easily stream content from your phone, tablet or computer to your TV. Follow the instructions below to cast content from your device to the TV:

1. Make sure that your TV and the device you want to cast from are connected to the same Wi-Fi network.
2. On your device, open the app you want to cast from, such as YouTube or Netflix.
3. Look for the [ ] **(Cast)** icon in the app and tap it.
4. Select the name of your TV to start casting.

Note:

You can find the name of your TV in the TV menu by pressing the **(Settings)** button and going to **[All settings] > [Wireless and networks] > [Wired or Wi-Fi] > [TV network name]**.

You can also wake the TV from standby mode by casting from your device. To use this feature, press the **(Settings)** button and go to **[All settings] > [Wireless and networks] > [Wired or Wi-Fi]**, then enable **[Switch on with LAN]**. Please note that enabling this feature will increase power consumption while the TV is in standby mode.

Settings menu

General information on the menus

To access the main menu, press the **(Settings)** button on the remote control and select **[All settings]**. Alternatively, press the **(Home)** button and, at the top of the screen, select the **(Settings)** icon.

Use the **(▲/▼/◄/►)** buttons to navigate through the menus.

Press the **OK** button to open the selected menu or confirm a setting.

Press the **(Back)** button to return to the previous menu or exit the menu.

Note:
The menu items described in the following chapters may not exactly match those shown on your TV. Menu items may change due to software updates. Certain menu items are available only in specific countries or on specific models.

Picture

To access the Picture menu, press the **(Settings)** button on the remote control and select **[All settings] > [Picture].**

Within this menu, you'll find the following options:

[Picture style] - Choose from the following picture presets:

[Personal] - Allows manual adjustment of all picture settings.

[Crystal Clear] - Increases screen brightness, making it ideal for viewing in bright rooms.

[Home Cinema] - Optimised settings for a cinematic viewing experience.

[ECO] - Reduces screen brightness to lower power consumption.

[Movie] - Optimised for movies, with softer colours and reduced brightness.

[Game] - Optimised for gaming by disabling most picture processing to minimise input lag. Available only when using an HDMI source.

Note:
When the TV receives HDR content, the standard picture styles are replaced by their HDR equivalents.

[Contrast] - Adjusts the contrast and brightness of the picture.

[Colour] - Adjusts colour intensity, from black and white to full colour.

[Sharpness] - Enhances or reduces picture sharpness.

[Picture Noise] - Filters and reduces picture noise (interference).

[Restore picture style] - Restores all picture settings to their factory default values.

[Quick picture settings] - During the initial installation, you configured picture settings in a few simple steps. You can repeat these steps from this menu. To use this feature, ensure that the TV is tuned to a channel or displaying content from a connected device.

Screen

To access the Screen menu, press the **(Settings)** button on the remote control and select **[All settings] > [Screen].**

Within this menu, you'll find the following options:

[Picture format] - Adjusts the aspect ratio of the picture.

[Wide screen] - Enlarges the picture to fill the 16:9 screen. The original aspect ratio may be altered.

[Fill screen] - Automatically enlarges the picture to fill the screen while minimising distortion and keeping subtitles visible. Some video formats may still display black bars at the edges of the screen.

[Fit to screen] - Enlarges the picture to fit a 16:9 screen without changing its aspect ratio. Black bars may appear at the edges of the screen. Not supported when using a PC input.

[Original] - Displays the picture in its original resolution at the centre of the screen. If the picture resolution is lower than the TV's resolution, black bars will appear on all four sides.

[Advanced] - Provides advanced options for manually adjusting the picture.

[Shift] - Use the arrow buttons to move the picture. This option is available only when the picture is zoomed in.

[Zoom] - Use the arrow buttons to zoom the picture in or out.

[Stretch] - Use the arrow buttons to stretch the picture vertically or horizontally.

[Undo] - Restores the picture format to its original settings.

Sound

To access the Sound menu, press the **(Settings)** button on the remote control and select **[All settings] > [Sound].**

Within this menu, you'll find the following options:

[Sound style] - Choose from the following sound presets:

[Entertainment] - Optimises surround sound suitable for movies.

[Music] - Optimises sound for listening to music.

[Dialogue] - Enhances voice clarity by reducing background sounds.

[Personal] - Allows manual adjustment of all sound settings.

[Personal settings] - Allows you to adjust the dialogue level to make voices more or less prominent. You can also configure the equaliser settings. Available only when [Sound style] is set to [Personal].

[TV placement] - Whether the TV is wall-mounted or placed on a stand can affect sound quality. Select the option that matches your TV installation to achieve the best audio performance.

[Advanced] - Provides access to the following advanced sound settings:

[Auto volume] - Automatically levels the volume to prevent large changes in sound level, for example when switching between channels. Select **[Night mode]** for a quieter and more comfortable listening experience.

[Delta volume] - Adjusts the volume level for HDMI inputs. This helps match the volume between TV channels and HDMI-connected devices.

[Audio out] - Select the audio output:

[TV speakers] - Plays sound through the TV speakers.

[HDMI sound system] - Select when a soundbar or home theatre system is connected via HDMI ARC/eARC.

[Wired headphones] - Select when wired headphones are connected to the TV.

[Optical] - Select when a soundbar or home theatre system is connected via the optical audio output. The TV speakers are disabled.

[Digital out format] - If an external audio system, such as a soundbar or AV receiver, is connected via HDMI ARC/eARC or the optical output, you can select the digital audio format that best matches its capabilities. If no sound is heard from the connected audio system, it may not support the selected audio format. Changing this setting may resolve the issue.

[Stereo (uncompressed)] - The TV decodes the audio and outputs uncompressed stereo sound.

[Multichannel] - The TV decodes the incoming surround sound (such as Dolby Digital) and re-encodes it into a standard surround format compatible with a wider range of audio systems. This option is useful if your sound system does not support newer audio formats.

[Multichannel (bypass)] - The original digital audio stream is sent directly to the connected audio device (for example, a soundbar or AV receiver) without being processed by the TV.

[Digital Out levelling] - Adjusts the output volume for devices connected via HDMI ARC/eARC or the optical audio output.

[Digital out delay] - Enables manual adjustment of the audio delay to synchronise picture and sound for an external audio system connected via a digital audio output. Select **[Off]** if you prefer to adjust the delay on the audio system itself.

[Digital out offset] - Adjusts the audio delay to synchronise picture and sound for an external audio system connected via a digital audio output. Available only when **[Digital out delay]** is enabled.

Wireless and networks

To access the Wireless and networks menu, press the **(Settings)** button on the remote control and select **[All settings] > [Wireless and networks].**

Within this menu, you'll find the following options:

[Wired or Wi-Fi] - Network settings. The following options are available:

[Connect to network] - Connects the TV to a wired or wireless network.

- Select **[Wired]** if an Ethernet (LAN) cable is connected to the TV. If DHCP is enabled on both the TV and your router, the network connection is established automatically.
- Select **[Wireless]** to display the list of available wireless networks. If your network is hidden, select **[Manual entry]** and use the on-screen keyboard to enter the wireless network name (SSID). After selecting the network, enter the network password using the on-screen keyboard. When you have finished, select **Enter** on the on-screen keyboard and press **OK**.

[Check the network] - Displays basic information about the network connection and whether the TV is connected to the Internet.

[View network settings] - Displays detailed network information, such as the MAC address, IP address and DNS settings.

[Network configuration] - Select **[DHCP]** or **[Static IP]**. Most routers use DHCP by default, allowing the TV to obtain network settings automatically. If your network requires manually assigned IP addresses, select **[Static IP]**.

[Static IP configuration] - Available only when **[Network configuration]** is set to **[Static IP]**. Allows you to manually configure the IP address, subnet mask, gateway and DNS settings.

[Switch on with LAN] - Allows the TV to be switched on over the local network, for example by casting from a smartphone or tablet. Enabling this option increases power consumption while the TV is in standby mode.

[Digital media renderer] - Enable this feature to allow multimedia files from your smartphone or tablet to be played on the TV.

[Wi-Fi On/Off] - Turns the Wi-Fi connection on or off.

[TV network name] - Displays the name of the TV as it appears on the network. You can also rename the TV here.

[Netflix settings] - Displays the Netflix ESN (Electronic Serial Number) and allows you to disconnect the TV from your Netflix account.

[Clear internet memory] - Clears server registration information, parental rating settings, video store app sign-in information, App Gallery favourites, Internet bookmarks and browsing history. Cookies stored by interactive MHEG applications are also deleted.

Channels

To access the Channels menu, press the **(Settings)** button on the remote control and select **[All settings] > [Channels].**

Within this menu, you'll find the following options:

[Antenna/Cable installation] - Allows you to tune or update antenna and cable channels.

[Satellite installation] - Allows you to tune or update satellite channels.

[CAM operator profile] - Enable this option to allow a CI+ CAM operator profile to be used for easier channel installation and updates.

[CAM profile name] - Change the name of the CAM profile name.

[HbbTV settings] - Settings for HbbTV services:

[HbbTV] - Enables or disables HbbTV availability globally for all channels.

[HbbTV tracking] - Enables or disables tracking features used by HbbTV services. When enabled, broadcasters and HbbTV apps may collect information about your use of interactive TV services. When disabled, tracking is restricted where supported.

[HbbTV cookies] - Enables or disables the storage of cookies by HbbTV apps. Cookies may be used to remember preferences, settings or sign-in information. If disabled, some HbbTV services may not work as expected.

[Clear approved app listing] - Clears the list of TV apps, broadcasters and streaming services that you have previously permitted to run in the background. This resets your HbbTV permissions to their factory default state.

[HbbTV Device ID reset] - Clears the unique identifier used by the TV for Hybrid Broadcast Broadband TV (HbbTV) services. Resetting it generates a new ID, disconnects your previous viewing history and prevents broadcasters from using the previous ID to track your viewing habits across different interactive apps.

[CAM interface] - Selects the priority for the CI CAM interface when both PCMCIA and USB CI+ 2.0 CAM interfaces are connected.

[Channel list copy] - Allows you to copy the channel list from the TV to a USB storage device, or from a USB storage device to the TV:

[Copy to USB] - Copies the current TV channel list to the connected USB storage device.

[Copy to TV] - Copies the channel list from the connected USB storage device to the TV. The current channel list on the TV will be overwritten.

[Current version] - Displays the current version of the channel list.

General settings

To access the General settings menu, press the **(Settings)** button on the remote control and select **[All settings] > [General settings].**

Within this menu, you'll find the following options:

[USB keyboard settings] - Allows you to change and test the USB keyboard layout. Available only when a USB keyboard is connected.

[Mouse settings] - Allows you to adjust and test a USB mouse. Available only when a USB mouse is connected.

[Power and energy] - Power and energy settings:

[Power-on behaviour] - Determines what appears on the screen when the TV is switched on. You can choose between the Home screen and the last watched input.

[Screen off] - Turns off the screen. This is useful when listening to music and reduces power consumption. To turn the screen back on, press any button on the remote control.

[Sleep timer] - Sets the sleep timer so the TV automatically switches off after a selected period of time.

[Switch off timer] - Sets how long the TV continues to operate without any buttons being pressed on the TV or remote control before it enters standby mode.

[No signal timer] - Sets how long the TV continues to operate when the selected input does not receive a signal.

[CEC] - Enables or disables HDMI CEC. This feature allows compatible HDMI-connected devices to control certain TV functions. For example, the TV can switch on automatically when a connected HDMI device is switched on, or a connected device can switch off automatically when the TV is switched off.

[CEC remote control] - Allows you to control HDMI-connected devices using the TV remote control. Available only when [CEC] is enabled.

[Screensaver settings] - Allows you to enable or disable the screensaver, set the time after which the screensaver starts, and preview the screensaver.

[Location] - Select the location where the TV is used. For home use, select **[Home]**. For shop demonstration mode, select **[Shop]**.

[Shop setup] - Provides settings for using the TV in a shop environment.

[Edit input sources] - Allows you to rename inputs and assign predefined icons to them.

[Terms of use] - Allows you to review the terms of use.

[Privacy settings] - Free streaming channels are advertisement-supported. You can adjust advertising privacy settings to enable or disable relevant advertising. The following options are available:

[Privacy preference centre] - Allows you to view and adjust privacy settings according to your preferences.

[Advertising ID] - The Advertising ID is a unique string of characters that identifies your TV for advertising purposes. It allows the operating system and apps to remember information about your viewing habits. You can reset the Advertising ID here. This clears your previous ad-tracking history and creates a new Advertising ID.

[Limited ad tracking] - When enabled, advertising will be less relevant to you. However, the number of advertisements will remain the same.

[Factory settings] - Restores the picture and sound settings to their default values.

[Reinstall TV] - Restores the TV to its factory default settings. Performing this function will erase all data, settings and personalisation. When the TV restarts, the initial installation screen will be displayed.

Universal access

Accessibility settings are features designed to make the TV easier to use for people with disabilities. These settings assist users with visual or hearing impairments by adapting the TV interface and content.

To access the Universal access menu, press the **(Settings)** button on the remote control and select **[All settings] > [Universal access].**

Within this menu, you'll find the following options:

[Universal access] - When enabled, [Universal access] is added to the [Options] menu.

[Hearing impaired] - Displays captions on the screen representing spoken dialogue and sound effects. Useful for users who are deaf or hard of hearing. Available only with supported digital TV content.

[Audio description] - Provides an additional narration track that describes visual elements of a programme, helping users with visual impairments. Available only with supported digital TV content.

[Audio description] - Turns the audio description track on or off.

[Mixed volume] - Adjusts the audio balance between the standard programme audio and the audio description track.

[Audio effects] - Enables additional audio effects in the audio description track, such as stereo sound or fade effects.

[Speech] - Sets the preferred audio description style: [Descriptive] or [Subtitles].

[Dialogue enhancement] - Improves the clarity of speech by adjusting dialogue volume levels. Available only for certain content.

[Voice guidance] - A screen reader that assists users with visual impairments by reading aloud on-screen

text, menu items and other interface elements. The feature is only available in selected languages.

[Text magnification] - Increases the text size in menus to make on-screen text easier to read.

Child lock

Child Lock is a security feature that allows parents or guardians to restrict access to specific apps or age-rated content by requiring a PIN code.

To access the Child lock menu, press the **(Settings)** button on the remote control and select **[All settings] > [Child lock].**

Within this menu, you'll find the following options:

[Parental rating] - Allows you to restrict programmes based on the age rating of broadcast content. To watch a blocked programme, the PIN code must be entered.

[App lock] - Enables locking of adult apps or apps unsuitable for children.

[Change code] - Allows you to change the 4-digit PIN code. First enter the current code, then enter the new code twice to confirm it.

Region and Language

To access the Region and Language menu, press the **(Settings)** button on the remote control and select **[All settings] > [Region and Language].**

Within this menu, you'll find the following options:

[Language] - Language settings for broadcast TV channels and the TV menu:

- **[Menu Language]** - Selects the menu language.
- **[Primary audio]** - Selects the preferred audio language when multiple audio languages are available.
- **[Secondary audio]** - Selects the secondary audio language, used when audio in the primary language is not available.
- **[Primary subtitle]** - Selects the preferred subtitle language.
- **[Secondary subtitle]** - Selects the secondary subtitle language, used when subtitles in the primary language are not available.
- **[Primary text]** - Selects the preferred Teletext language.
- **[Secondary text]** - Selects the secondary Teletext language, used when Teletext in the primary language is not available.

[Clock] - Selects how date and time information is obtained. The default option, **[Automatic]**, receives date and time information from the broadcast signal. If the clock is not correct, select **[Country dependent]**. To set the date and time manually, select **[Manual]**.

Update software

To access the Update software menu, press the **(Settings)** button on the remote control and select **[All settings] > [Update software].**

Within this menu, you'll find the following options:

[Search for updates] - Searches for TV software updates. You can search via the Internet or from an update file on a connected USB storage device.

[Current software info] - Displays information about the current TV software. It is recommended to have this information available when contacting the service centre.

[Automatic software update] - When this setting is enabled, the update is downloaded while the TV is switched on and installed 15 minutes after the TV enters standby mode, provided that no alarm is scheduled. When this setting is disabled, the [Upgrade Now] / [Later] message will be displayed on screen.

[View software update history] - Displays a list of software versions that have been successfully installed on this TV.

Configuring the TV

Sleep timer

The Sleep timer allows you to set a time after which the TV will switch off automatically. This is useful if you like to watch TV before going to bed.

1. Press the **(Settings)** button on the remote control.
2. Select **[All settings] > [General settings] > [Power and energy] > [Sleep timer].**
3. Choose how long you want the TV to remain on before switching off automatically. You can select from preset options, such as 30 minutes or 60 minutes.

The TV will switch off automatically after the selected time has elapsed. If you switch off the TV manually before the timer expires, the timer will be cancelled.

Setting the TV start-up source

You can choose what appears when the TV is switched on. The TV can start on the Home screen or return to the last used input source.

To change this setting, follow the steps below:

1. Press the **(Settings)** button on the remote control.
2. Select **[All settings] > [General settings] > [Power and energy] > [Power-on behaviour]**
3. Select **[Home]** to start on the Home screen, or select **[Last source]** to start on the last used input source.

Factory reset

Before disposing of, reselling or gifting the TV, a factory reset is required. Otherwise, unauthorised persons could gain access to your personal data.

Performing a factory reset restores the TV to its original factory settings and erases all data, settings and personalisation.

To perform a factory reset, follow the steps below:

1. Press the **(Settings)** button on the remote control.
2. Select **[All settings] > [General settings] > [Reinstall TV]**
3. Enter your PIN code.
4. Select **[Yes]** on a newly displayed prompt message.

After the final step, the factory reset is performed. When the TV restarts, the initial installation screen is displayed.

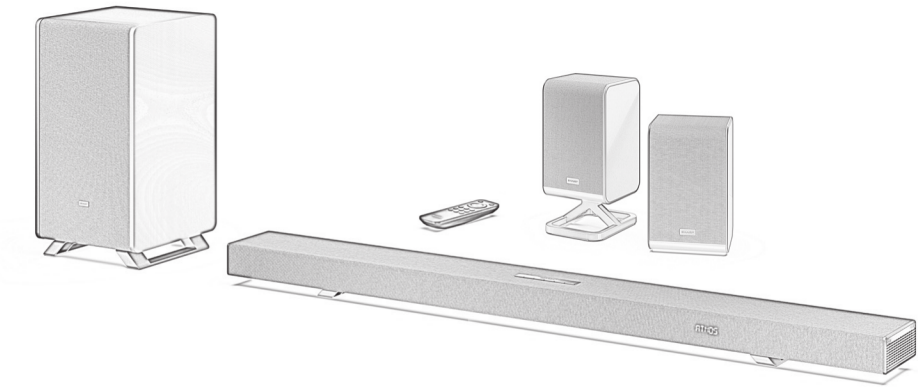
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