

SAMSUNG

User guide

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Model _____ Serial No. _____

To directly go to the page that provides instructions on
how to use the manual for visually impaired users, select
the Menu Learning Screen link below.

"Menu Learning Screen" Link

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Guide

Learn how to use various features.

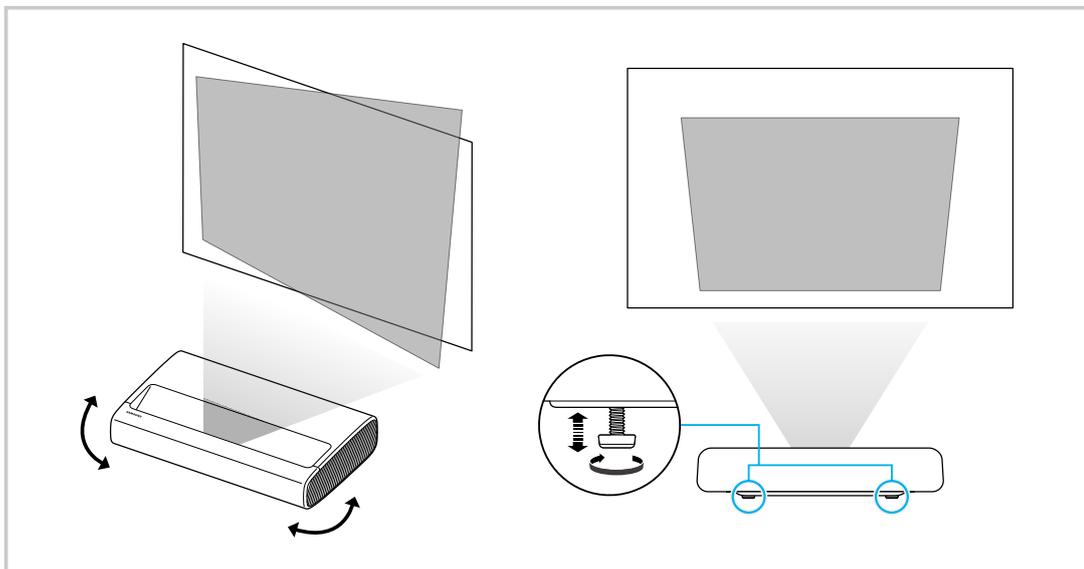
Projector Screen Adjustment

Adjust the size, keystone or focus for the projected screen by moving the Projector or using the screen adjustment menu.

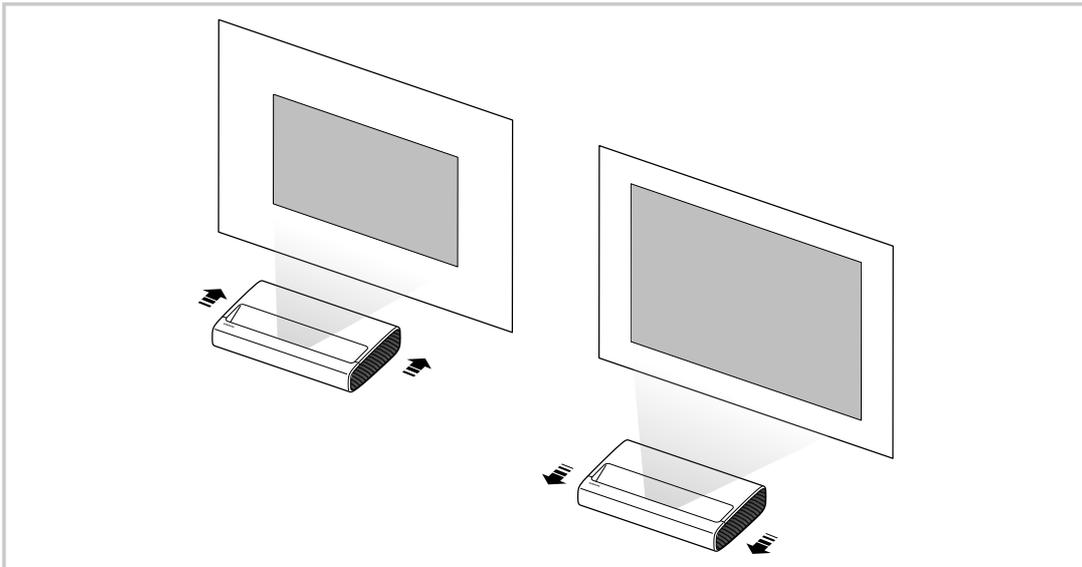
Adjusting the screen by moving the Projector

When the screen looks skewed or blurry, adjust the screen.

1. Move the Projector to the left or right to adjust its angle. Alternatively, adjust the top and bottom angles until the screen shape becomes rectangular.



2. Move the Projector back and forth to adjust the screen size.



- ✎ When the screen looks skewed or distorted, use the **Keystone** (🏠) > ≡ (left directional button) > ⚙️ **Settings** > **Projector Settings** > **Keystone**) function. [Try Now](#)
- ✎ When the screen looks blurry, use the **Focus** (🏠) > ≡ (left directional button) > ⚙️ **Settings** > **All Settings** > **Projector Settings** > **Focus**) function. [Try Now](#)
- ✎ For more information about screen adjustment, refer to "[Adjusting the screen by using menu items of the product](#)".

Adjusting the screen by using menu items of the product

Adjust the Projector's mode options and installation settings for your viewing environment.

Guide to screen adjustment

 >  (left directional button) >  **Settings** > **All Settings** > **Projector Settings**

Adjust the Projector's mode options and installation settings for your viewing environment.

- **Keystone** [Try Now](#)

Fix a distorted image on the screen based on the projection angle. You can also turn on/off the vertical **Keystone** function or manually adjust vertical or horizontal **Keystone**.

 This feature may be affected by the external illuminance, the distance between the Projector and wall, and the projection surface.

- **Focus** [Try Now](#)

This feature adjusts the projected screen focus.

- **Scale and Move Screen** [Try Now](#)

Enlarge or reduce the screen scale. You can also move the screen.

- **Projection Mode** [Try Now](#)

This feature changes the direction of the image projection according to the projector's installation direction.

– **Front / Front Ceiling / Rear / Rear Ceiling**

- **Eye Protection Mode** [Try Now](#)

This feature protects the user's eyes from the laser when they are close to the projector.

- [Rollable Screen Connection](#) [Try Now](#)

Connect the projector and the rollable screen to automatically reveal or retract the screen when the projector is turned on or off.

- [High-Altitude Mode](#) [Try Now](#)

This feature prevents the projector from overheating when operating at high altitudes.

 To use the Projector at a height greater than 1219 m, turn on [High-Altitude Mode](#). If this mode is turned on, the fan speed increases and loud noise may be experienced.

 The Projector can only be used at a height of 3048 m or less.

- [Setup Guide](#) [Try Now](#)

This guide shows you how to adjust the size and shape of the projection screen when installing Projector.

Connections

You can get access to the network by using a wireless access point. Using connectors, you can also connect external devices to your Projector.

Connection Guide

You can view detailed information about external devices that can be connected to the Projector.

 >  (left directional button) >  [Connected Devices](#) > [Connection Guide](#) [Try Now](#)

It shows you how to connect various external devices such as video devices, game consoles and PCs using pictures. If you select the connection method and an external device, the connection details appear.

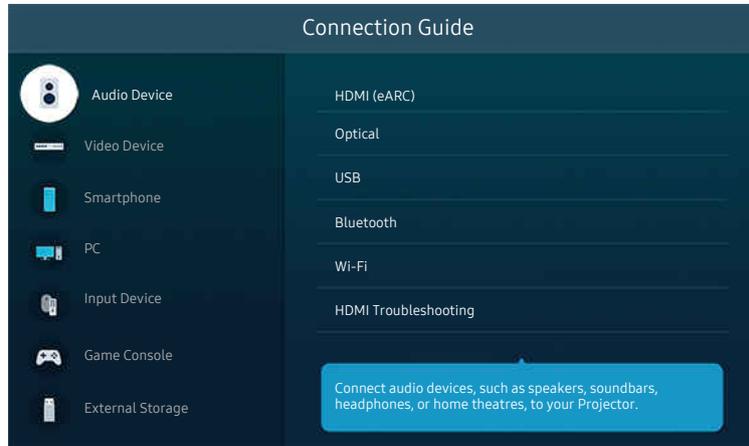
- [Audio Device: HDMI \(eARC/ARC\), Optical, USB, Bluetooth, Wi-Fi](#)
- [Video Device: HDMI](#)
- [Smartphone: Screen Sharing \(Smart View\), Screen Sharing \(Tap View\), Samsung DeX, SmartThings, Camera Sharing, Apple AirPlay, NFC on TV](#)
- [PC: HDMI, Screen Sharing \(Wireless\), Easy Connection to Screen, Apple AirPlay](#)
- [Input Device: Remote Control, USB Keyboard, USB Mouse, USB Gamepad, USB Camera, Bluetooth Device](#)
- [Game Console: HDMI](#)

- **External Storage: USB Flash Drive**

 Using [HDMI Troubleshooting](#), you can check the connection to HDMI cable and external devices (takes approximately 2 minutes).

 Some functions may not be supported depending on the model or geographical area.

 The connection method and available external devices may differ depending on the model.



 The image on your Projector may differ from the image above depending on the model and geographical area.

Connecting to the network

You can get access to the network through your Projector.

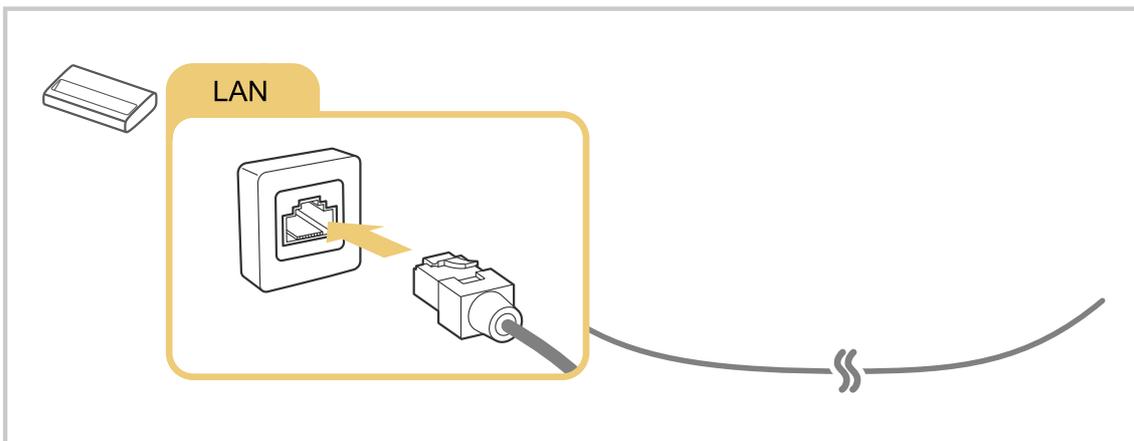
🏠 > ☰ (left directional button) > ⚙️ **Settings** > **All Settings** > **Connection** > **Network** > **Open Network Settings** [Try Now](#)

Configure network settings to connect to an available network.

Establishing a wired network connection

🏠 > ☰ (left directional button) > ⚙️ **Settings** > **All Settings** > **Connection** > **Network** > **Open Network Settings** > **Wired**

If you connect a LAN cable, the Projector automatically accesses the network.

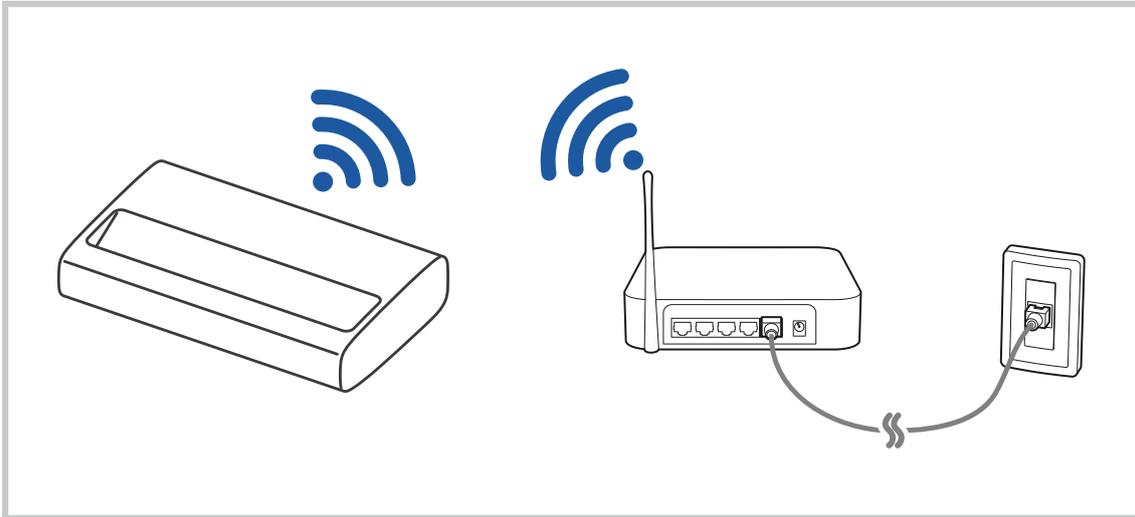


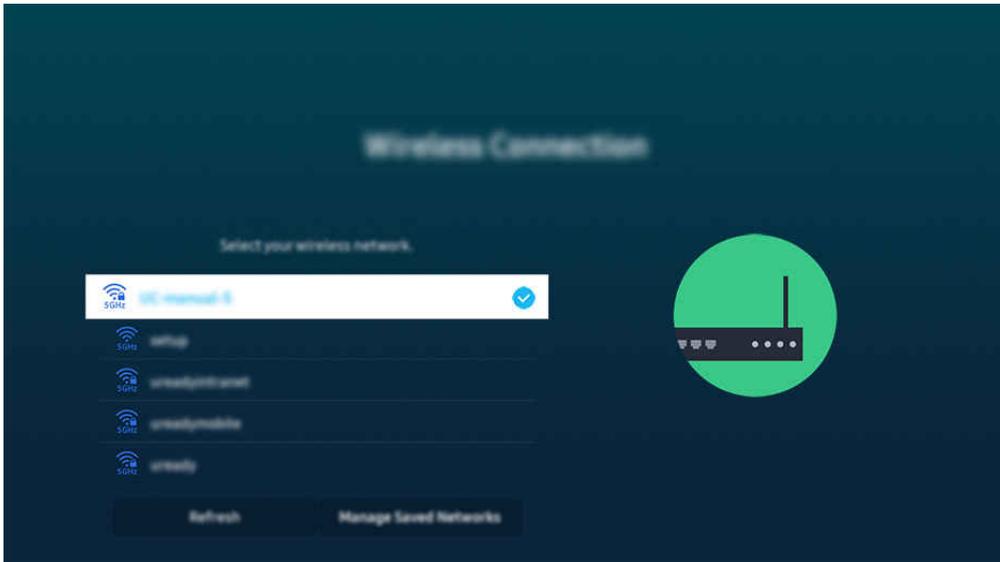
- ✎ If the Projector does not automatically connect to the network, refer to "[Wired network connection failed.](#)" in "Troubleshooting".
- ✎ To connect a LAN cable, use a CAT 7 (*STP type) cable for the connection. (100/10 Mbps)
 - * Shielded Twisted Pair
- ✎ The Projector will not be able to connect to the network if your network speed is below 10 Mbps.
- ✎ This function may not be supported depending on the model.
- ✎ Wired networks are not supported by some models.

Establishing a wireless network connection

🏠 > ☰ (left directional button) > ⚙️ [Settings](#) > [All Settings](#) > [Connection](#) > [Network](#) > [Open Network Settings](#) > [Wireless](#)

Make sure that you have the wireless access point's name (SSID) and password settings before attempting to connect. The network name (SSID) and security key are available on the wireless access point's configuration screen. See the wireless access point's user manual for more information.





- ✎ The image on your Projector may differ from the image above depending on the model and geographical area.
- ✎ If no wireless access point is found, select **Add Network** at the bottom of the list and enter the network name (SSID).
- ✎ If your wireless access point has a WPS or PBC button, select **Use WPS** at the bottom of the list, and then push the WPS or PBC button on your access point within 2 minutes. The Projector will connect automatically.
- ✎ To view or delete previously connected network names (SSIDs), move the focus to **Manage Saved Networks**, and then press the Select button.
- ✎ To disconnect Wi-Fi, select **Disconnect** in > (left directional button) > **Settings** > **All Settings** > **Connection** > **Network** > **Network Status**. **Try Now**

Checking the network connection status

> (left directional button) > **Settings** > **All Settings** > **Connection** > **Network** > **Network Status** **Try Now**

View the current network status.

Resetting Your Network

> (left directional button) > **Settings** > **All Settings** > **Connection** > **Network** > **Reset Network** **Try Now**

Restore the network settings to the factory default.

Turning on the Projector with a mobile device

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [Connection](#) > [Network](#) > [Expert Settings](#) > [Power On with Mobile](#) 

You can turn on the Projector using a mobile device connected to the same network as the Projector.

 This function is available with a mobile device connected to the Projector through the SmartThings app or the Apple AirPlay function.

Apple AirPlay may not be supported depending on the model or geographical area.

Connecting an IP control device to the Projector

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [Connection](#) > [Network](#) > [Expert Settings](#) > [IP Remote](#) 

You can connect an IP control device to the Projector remotely to manage your IP device.

 To use this function, [Power On with Mobile](#) must be turned on.

 Turning this feature on may allow other IP control devices to control your Projector. We recommend turning this feature on only if an authorised third-party custom controller is installed and configured specifically for a Samsung Projector and if your Wi-Fi network is password protected.

 This function may not be supported depending on the model or geographical area.

Allowing to connect a wireless network

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [Connection](#) > [Network](#) > [Expert Settings](#) > [Wi-Fi](#) 

You can enable the connection to Wi-Fi.

 To connect a wireless network, the function must be active.

Changing the name of the Projector

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [Connection](#) > [Device Name](#) 

You can change the name of the Projector on the network. Select [User Input](#) at the bottom of the list and change the name.

Displaying your mobile device screen on the Projector

You can watch the screen of your mobile device on the Projector screen through Smart View, Apple AirPlay or Tap View.

When you start screen sharing with a mobile device ([Smart View/Apple AirPlay/Tap View](#)), the Projector screen switches to the [Multi View](#) or mobile device's screen. Watch multiple contents at the same time with the [Multi View](#) screen.

 This function may not be supported depending on the model.

 For more information, refer to "[Using Multi View](#)".

Using Screen Sharing (Smart View)

For information on how to share the screen with your mobile device, refer to  >  (left directional button) >  [Connected Devices](#) > [Connection Guide](#) > [Smartphone](#) > [Screen Sharing \(Smart View\)](#). [Try Now](#)

- To turn off Screen Sharing (Smart View), disconnect the mobile device or press the  button on the remote control.
- Using the Smart View menu on your mobile device, you can change the settings such as aspect ratio.

Using Apple AirPlay

Use AirPlay if you are an iPhone or iPad user. For more information, refer to  >  (left directional button) >  [Connected Devices](#) > [Connection Guide](#) > [Smartphone](#) > [Apple AirPlay](#). [Try Now](#)

 This function may not be supported depending on the model or geographical area.

 To use [Apple AirPlay](#), make sure  >  (left directional button) >  [Settings](#) > [All Settings](#) > [Connection](#) > [Apple AirPlay Settings](#) is enabled.

Using Screen Sharing (Tap View)

Tap your mobile device on the Projector, you can watch the **Multi View** or mobile device's screen through the Projector screen. When you tap a mobile device on your Projector while running a music app on your mobile device, the Projector screen switches to the **Music Wall** screen.

1. Enable **Tap View, Tap Sound** on your mobile device.

 For more information about configuration, refer to "Enabling Tap View".

2. Turn on the screen of your mobile device.

3. Tap your mobile device on the Projector. The Projector screen switches to **Multi View, Music Wall**, or mobile device's screen.

 When you perform Tap View while in **Ambient** mode, only the mobile device's screen appears on the Projector.

4. Watch the **Multi View, Music Wall**, or mobile device's screen on the Projector screen.

 This function may not be supported depending on the model.

 This function is available in Samsung mobile devices with Android 8.1 or higher.

 **Music Wall** screen is a function that allows you to enjoy music along with visual video effects that change according to the genre and beat of the music.

 The displayed Projector screen may differ depending on the model.

 This function enables Screen/Sound Mirroring by detecting vibrations generated when you tap the mobile device on the Projector.

 Be sure to tap away from the Projector screen and bezel corners. It may be scratched or broken to the Projector or mobile device screen.

 We recommend using your mobile device with the cover in place and lightly tap it on any external edge of the Projector.

Enabling Tap View

Enable **Tap View** in the SmartThings app.

 Depending on the SmartThings app version, you may need to register the Projector with your mobile device.

 This function may not be supported depending on the model.

1. Launch the SmartThings app on your mobile device.
2. Select Settings (☰ > ⚙️) in SmartThings app on your mobile device.
3. Set **Tap View, Tap Sound** to on.

 Upon connection for the first time, select **Allow** on a pop-up window of the Projector.

Connection Cables for External Devices

You can view detailed information about the connection cables for external devices that can be connected to the Projector.

Cable name	Image	Description
HDMI to HDMI		<p>Each cable simultaneously transmits digital video and audio signals from an external device to the HDMI port on the Projector.</p> <p>Cables are divided into various types according to the types of input/output ports on external devices.</p>
HDMI to MINI HDMI		
HDMI to Micro HDMI		
HDMI to USB Type-C		
HDMI to DisplayPort		
Mini DisplayPort to HDMI		

Cable name	Image	Description
DVI to HDMI		<p>DVI to HDMI cables can transmit only digital video signals and not audio signals. We recommend that you use HDMI to HDMI cables.</p>
Optical		<p>Optical cables are used to transmit audio signals to external speakers with low signal loss.</p> <p>Optical cables can't transmit video signals.</p>

 Available connection cables may differ depending on the model or geographical area.

Switching between external devices connected to the Projector

You can switch between Projector programmes and the content of external devices.

 >  (left directional button) >  **Connected Devices**

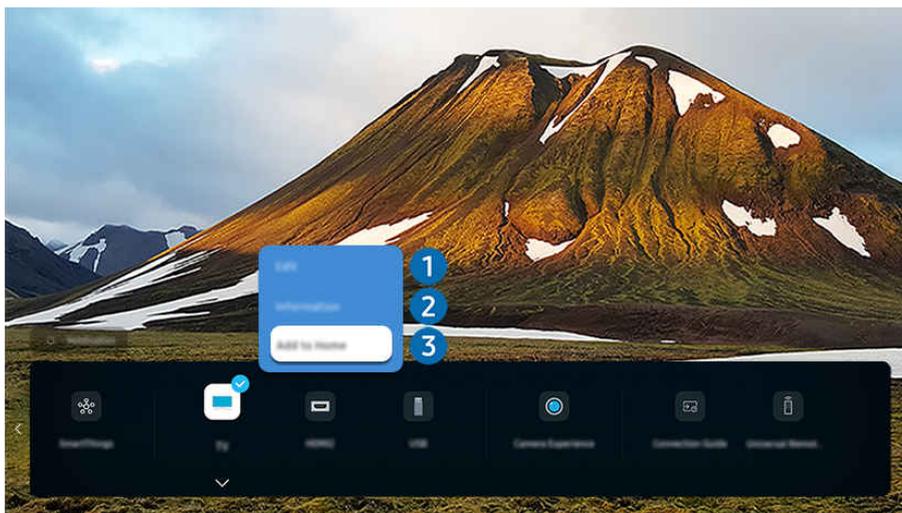
When you select a connected external device on the **Sources** screen, the output of the selected device is displayed on the Projector's screen.

-  To control a device (Blu-ray player, game console, etc.) that supports universal remote control with the Projector's remote control, connect the device to an HDMI port on the Projector, and then turn on the device. The output displayed on the Projector is automatically switched to the output of the device or you can configure universal remote control for the device automatically. For more information, refer to "[Controlling External Devices with a Samsung Remote Control - Using the Universal remote setup](#)".
-  When a USB device is connected to the USB port, a pop-up message appears that lets you switch easily to the media content listed on the device.
-  This function may not be supported depending on the device and geographical area.

Editing the name and icon of an external device

 >  (left directional button) >  **Connected Devices**

You can change the port name for a connected external device or add it to the Home Screen.



 The image on your Projector may differ from the image above depending on the model and geographical area.

1. Move the focus to a connected external device.
2. Press the down directional button. The following functions become available.

 Available functions may differ depending on the port type.

1 Edit

You can rename the input ports and change the device icons.

2 Information

You can view detailed information about an external device.

3 Add to Home

You can add the port of an external device to the Home Screen for quick switching.

Using additional functions

You can use the **SmartThings** feature.

- **SmartThings**

It allows the Projector to connect and control the detected various devices in the same space.

 For more information about **SmartThings**, refer to "[Using SmartThings](#)".

 This function may not be supported depending on the model or geographical area.

You can use the following features on the **Sources** screen.

- **Camera Experience**

Connect a USB camera, or use the SmartThings app on your mobile phone to connect a camera.

Connect a camera to use video call, home workout, and other new features.

 For details on how to connect, refer to **Camera Sharing** (🏠 > ≡ (left directional button) > 📶 **Connected Devices** > **Connection Guide** > **Smartphone** > **Camera Sharing**).

 This function may not be supported depending on the model or geographical area.

- **TV Access**

By mirroring, you can watch TV from the Projector screen.

 For more information, refer to "[Using TV Access](#)".

- **Connection Guide**

Displays device connection instructions.

 For more information, refer to "[Connection Guide](#)".

- **Universal remote setup**

Lets you register external devices to your Samsung remote control and control them using the Remote.

 This function may not be supported depending on the model or geographical area.

 For more information, refer to "[Controlling External Devices with a Samsung Remote Control - Using the Universal remote setup](#)".

Connection Notes

When connecting an external device, note the following.

-  The number of connectors and their names and locations may differ with the model.
-  Refer to the external device's operating manual when connecting it to the Projector. The number of external device connectors and their names and locations may differ with the manufacturer.

Connection notes for HDMI

- The following types of HDMI cables are recommended:
 - High Speed HDMI Cable
 - High Speed HDMI Cable with Ethernet
 - Premium High Speed HDMI Cable
 - Premium High Speed HDMI Cable with Ethernet
 - Ultra High Speed HDMI Cable
- Use an HDMI cable with a thickness of 17 mm or less.
- Using a non-certified HDMI cable may result in a blank screen or a connection error.
- Some HDMI cables and devices may not be compatible with the Projector due to different HDMI specifications.
- This Projector does not support HDMI Ethernet Channel. Ethernet is a Local Area Network (LAN) built with coaxial cables standardised by the IEEE.
- Use a cable shorter than 3 m to get the best UHD viewing quality.
- Many computer graphics adapters do not have HDMI ports, but have DVI or DisplayPort ports instead. If your PC does not support HDMI video out, connect your PC with a DVI to HDMI or HDMI to DisplayPort cable.
- When the Projector is connected to an external device such as a DVD/BD player or a set-top box via HDMI, power sync mode will be automatically activated. In the power sync mode, the Projector continues to detect and connect external devices via HDMI cable. This function can be deactivated by removing the HDMI cable of the connected device.
 -  This function may not be supported depending on the model.

Connection notes for audio devices

- To obtain better Projector audio quality, connect a soundbar or A/V receiver to the Projector.
- If you connect an external audio device using an optical cable, the **Sound Output** setting automatically changes to the connected device. However, to make this happen, you must turn on the external audio device before connecting the optical cable. To manually change the **Sound Output** setting, do one of the following:

 This function may not be supported depending on the model.

- Use the **Quick Settings** screen to change to the connected device:

Use the Select button to select **Receiver (Optical)** on the **Sound Output** menu. (🏠 > ≡ (left directional button) > ⚙️ **Settings** > **Sound Output** > Select button to toggle between sound output modes). [Try Now](#)

- Use the **Settings** screen to change to the connected device:

Select **Receiver (Optical)** on the **Sound Output** menu. (🏠 > ≡ (left directional button) > ⚙️ **Settings** > **All Settings** > **Sound** > **Sound Output**). [Try Now](#)

 Refer to the soundbar's user manual when connecting it to the Projector.

- An unusual noise coming from a connected audio device while you are using it, may indicate a problem with the audio device itself. If this occurs, ask for assistance from the audio device's manufacturer.
- Digital audio is only available with 5.1 channel broadcasts.

Connection notes for computers

- For the resolutions supported by the Projector, refer to "[Read Before Connecting a Computer \(Supported Resolutions\)](#)".
- If you want to connect your PC and Projector wirelessly, both of them must be connected to each other on the same network.
- When sharing content with other network-based devices such as those in an IP (Internet Protocol) storage system, sharing may not be supported due to the network's configuration, quality or functionality, for example, if the network has a NAS (Network-Attached Storage) device.

Connection notes for mobile devices

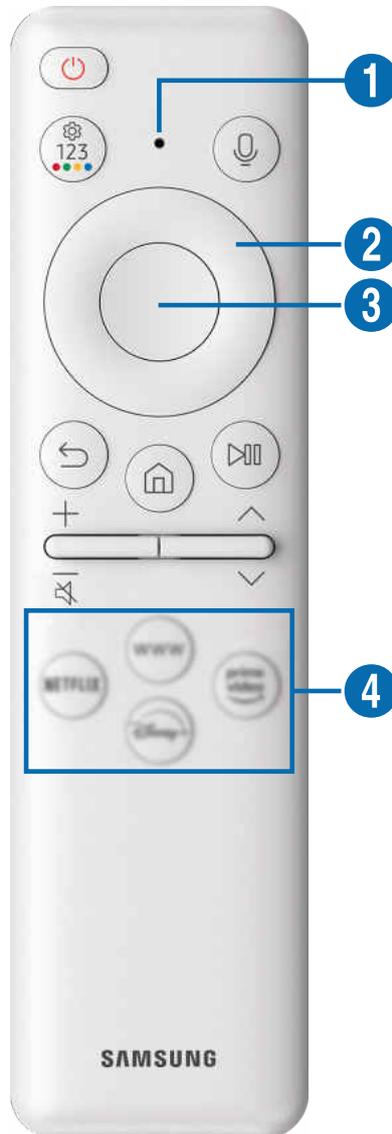
- To use the Smart View function, the mobile device must support a mirroring function such as Screen Mirroring or Smart View. To check whether your mobile device supports the mirroring function, refer to the mobile device's user manual.
- The Screen Sharing (Smart View) feature may not operate smoothly in a 2.4 GHz environment. For better experience, 5.0 GHz is recommended. 5 GHz may not be available depending on the model.
- To use Wi-Fi Direct, the mobile device must support the Wi-Fi Direct function. To check whether your mobile device supports Wi-Fi Direct, refer to the mobile device's user manual.
- The mobile device and your Smart Projector must be connected to each other on the same network.
- Use AirPlay if you are an iPhone or iPad user. For more information, refer to  >  (left directional button) > [Connected Devices](#) > [Connection Guide](#) > [Smartphone](#) > [Apple AirPlay](#). [Try Now](#)
- ✎ This function may not be supported depending on the model or geographical area.
- The video or audio may stop intermittently, depending on network conditions.
- When sharing content with other network-based devices such as those in an IP (Internet Protocol) storage system, sharing may not be supported due to the network's configuration, quality or functionality, for example, if the network has a NAS (Network-Attached Storage) device.

Remote Control and Peripherals

You can control Projector operations with your Samsung Smart Remote. Pair external devices such as a keyboard for ease of use.

About the Samsung Smart Remote

Learn about the buttons on the Samsung Smart Remote.



Button	Description
 (Power)	Press to turn the Projector on or off.
 MIC / LED	Used as MIC when using voice recognition with the remote control. When charging the remote control via the USB port, the LED is lit if charging is in progress. When charging is complete, the LED is turned off. <ul style="list-style-type: none"> Do not impact the MIC hole or use a sharp object to poke into the hole.
 (Voice Assistant)	Runs Voice Assistant. Press and hold the button, say a command, and then release the button to run Voice Assistant. <p> The supported Voice Assistant's languages and features may differ by geographical region.</p>
 (Settings / Number / Colour button)	You can access Setting menu / virtual numeric pad / Colour buttons / Option pad / SmartThings directly. <ul style="list-style-type: none"> Accessing the SmartThings app using this button may not be supported, depending on the model. Use this button to access additional options that are specific to the feature in use. Press to bring up the virtual numeric pad on the screen. Use the numeric keypad to enter numeric values. Select numbers and then select Done or Enter Number to enter a numeric value. Press and hold for more than 1 second to activate the Focus feature. <p> If the Colour Button appears with a number strip on the screen, select the Colour Button and then select a specific colour by using the directional button (up/down/left/right).</p>
 Directional button (up/down/left/right)	Moves the focus.
 Select	Selects or runs a focused item. When pressed while you are watching a broadcast programme, detailed programme information appears.
 (Return)	Press to return to the previous menu. When pressed for 1 second or more, the running function is terminated. When pressed while you are watching a programme, the previous channel appears.
 (Smart Hub)	Press to switch to the Home Screen.

Button	Description
 (Play/pause)	<p>When pressed, the playback controls appear. Using these controls, you can control the media content that is playing.</p> <p>To use Game Bar, press and hold the button in Game Mode.</p> <p> Game Bar may not be supported depending on the model or geographical area.</p>
+/- (Volume)	<p>Move the button up or down to adjust the volume. To mute the sound, press the button. When pressed for 2 seconds or more, the Accessibility Shortcuts appears.</p> <p>  may not be present, depending on the model.</p>
^/∨ (Channel)	<p>Move the button up or down to change the channel. To see the Guide screen, press the button. When pressed for 1 second or more, the Channel List screen appears.</p> <p>Press and hold the button up or down to quickly change the channel.</p>
 Launch app button	<p>Launch the app indicated by the button.</p> <p> Available apps may differ depending on the geographical area or contents provider.</p> <p> This function may not be supported depending on the model or geographical area.</p>

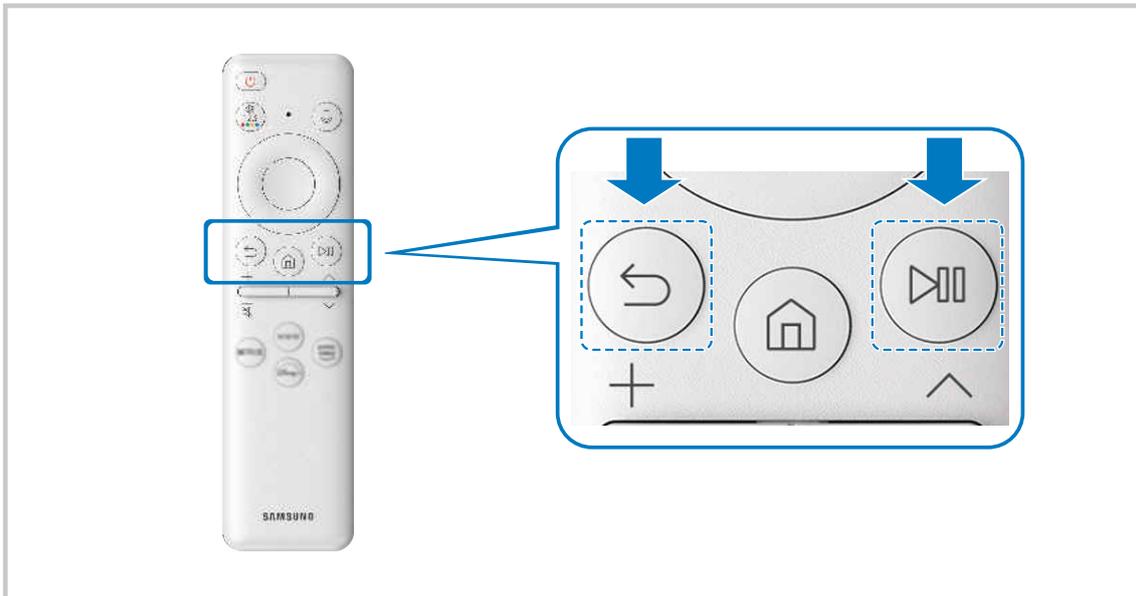
-  Use the Samsung Smart Remote less than 6 m from the Projector. The usable distance may vary with the wireless environmental conditions.
-  The images, buttons and functions of the Samsung Smart Remote may differ with the model or geographical area.
-  To use the Samsung Smart Remote to control a compatible external device that does not support HDMI-CEC (Anynet+), you must configure universal remote control for the device. For more information, refer to "[Controlling External Devices with a Samsung Remote Control - Using the Universal remote setup](#)".
-  To use the Samsung Smart Remote to control a compatible external device that does support HDMI-CEC (Anynet+), connect the device to an HDMI port on the Projector using an HDMI cable. For more information, refer to "[Using Anynet+ \(HDMI-CEC\)](#)".

Connecting the Samsung Smart Remote to the Projector

Connect the Samsung Smart Remote to your Projector to operate the Projector.

When you turn on the Projector for the first time, the Samsung Smart Remote pairs to the Projector automatically. If the Samsung Smart Remote does not pair to the Projector automatically, point it at the front of the Projector, then press and hold the  and  buttons simultaneously for 3 seconds or more.

 This function may not be supported depending on the model or geographical area.



Controlling External Devices with a Samsung Remote Control - Using the Universal remote setup

Control the Projector and connected external devices with a Samsung remote control.

 >  (left directional button) >  **Connected Devices** > **Universal remote setup**

You can control all external devices connected to the Projector using a single Samsung remote. Run the **Universal remote setup** menu to register external devices.

-  This function may not be supported depending on the model or geographical area.
-  You can also use the **Anynet+ (HDMI-CEC)** function to operate external Samsung devices with your Projector's remote control without any additional setup. For more information, refer to "Using Anynet+ (HDMI-CEC)".
-  Specific external devices connected to the Projector may not support the universal remote feature.
-  Do not place any obstacles in front of an external device and Projector's logo. It may cause improper transmitted signals from the remote control.
-  If you have difficulty controlling external devices with the Universal Remote, try adjusting the positions of the external devices.
-  This function may not operate properly depending on the Projector installation environment and the features of external devices.

Learn how to use Samsung Smart Remote

You can learn how to use Samsung Smart Remote.

 >  (left directional button) >  **Settings** > **Support** > **Remote Control Guide**

Find details on how to use the Samsung Smart Remote.

Press the menu to use a variety of functions of the Samsung Smart Remote.

-  This function may not be supported depending on the model.

Learn how to use Game Controller

You can learn how to use Game Controller.

 >  (left directional button) >  **Settings** > **Support** > **Game Controller Guide**

Find details on how to use the Game Controller.

Press the menu to learn more about the functions of each Game Controller button.

-  This function may not be supported depending on the model.
-  Button layouts may vary between controllers.

Using Anynet+ (HDMI-CEC)

Control an external device connected via Anynet+ (HDMI-CEC) with the remote control.

You can use the Projector's remote control to control external devices that are connected to the Projector by an HDMI cable and that support Anynet+ (HDMI-CEC). Note that you can only set up and operate Anynet+ (HDMI-CEC) with the remote control.

Connecting an external device through Anynet+ and using their menus

 >  (left directional button) >  **Settings** > **All Settings** > **Connection** > **External Device Manager** > **Anynet+ (HDMI-CEC)** 

1. Set **Anynet+ (HDMI-CEC)** to **On**.
2. Connect an HDMI-CEC-compliant device to the Projector.
3. Turn on the connected external device.

The device is automatically connected to the Projector. After the connection process is finished, you can access the menu of the connected device using your Projector remote and control the device.

 The connecting process can take up to 2 minutes to complete.

Read before connecting an Anynet+ (HDMI-CEC) device

-  Anynet+ (HDMI-CEC)-enabled devices must be connected to the Projector with an HDMI cable. Note that some HDMI cables may not support Anynet+ (HDMI-CEC).
-  You can configure the Projector's Universal Remote to control third-party cable boxes, Blu-ray players and home theatres that do not support HDMI-CEC. For more information, refer to "[Controlling External Devices with a Samsung Remote Control - Using the Universal remote setup](#)".
-  Anynet+ cannot be used to control external devices that do not support HDMI-CEC.
-  The Projector remote control may not work under certain circumstances. If this occurs, set up the device as an Anynet+ (HDMI-CEC)-enabled device again.
-  Anynet+ (HDMI-CEC) works only with external devices that support HDMI-CEC and when those devices are either in standby mode or turned on.
-  Anynet+ (HDMI-CEC) can control up to 12 compliant external devices (up to 3 of the same type) except for home theatres. Anynet+ (HDMI-CEC) can control only one home theatre system.
-  To listen to 5.1 channel audio from an external device, connect the device to the Projector via an HDMI cable and connect a 5.1 home theatre system directly to the external device's digital audio output connector.
-  If an external device has been set up for both Anynet+ and a universal remote control, the device can be controlled only with the universal remote control.

Controlling the Projector with a Keyboard, Mouse or Gamepad

Connecting a keyboard, mouse or gamepad to make it easier to control the Projector.

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [Connection](#) > [External Device Manager](#) > [Input Device Manager](#) [Try Now](#) [Try Now](#)

You can connect a keyboard, mouse or gamepad to control the Projector easily.

Connecting a USB keyboard, mouse or gamepad

Plug the keyboard, mouse or gamepad cable into the USB port.

-  If you connect a mouse, it is available only in the [Internet](#) app and [Workspace](#) function.
-  XInput USB gamepads are supported.
-  For more information, refer to [Input Device](#) in [Connection Guide](#) ( >  (left directional button) >  [Connected Devices](#) > [Connection Guide](#) > [Input Device](#)).

Connecting a Bluetooth keyboard, mouse or gamepad

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [Connection](#) > [Bluetooth devices](#) [Try Now](#)

-  If your device was not detected, position the keyboard close to the Projector, and then select [Refresh](#). The Projector scans for available devices again.
-  If you connect a mouse, it is available in the [Internet](#) app and [Workspace](#).
-  A maximum of four gamepads can be connected, regardless of connection method (e.g., USB or Bluetooth).
 - When using two BT audio devices, it is best to use USB gamepads.
 - When using one BT audio device, up to two BT gamepads can be connected.
-  For more information, refer to the Bluetooth device's user manual.
-  This function may not be supported depending on the model or geographical area.

Using the keyboard and mouse

Button	Description
Directional keys	Moves the focus
Enter key	Selects or runs a focused item
ESC key	Returns to the previous screen
Number keys	Enter numbers
F1 key	Turns on or off the Projector
F2 key	Displays the Settings menu / numeric keypad / Option pad / SmartThings app Each time you press this button, Settings menu / virtual numeric pad / Option pad / SmartThings app are displayed alternately.
F3 key	Plays / pauses
F4 key	Displays the Settings screen
F5 key	Displays the Home Screen
F6 key	Displays the Sources screen
F7 key	Displays the Channel List
F8 key	Mutes the sound
F9 / F10 key	Adjusts the volume
F11 / F12 key	Changes the channel
Page Up / Page Down	Scrolls a webpage displayed by the Internet app.
Left-click	Selects and runs an item.  Available in the Internet app and Workspace .  You can click a menu or link to start a function as you do on a PC.

 The key operation may differ depending on some apps or the keyboard.

Using the Gamepad

Check the supported gamepads. [Try Now](#)

 This function may not be supported depending on the model or geographical area.

Manufacturer	Controllers	Connection	Force feedback
Microsoft	Xbox Series X/S controller	BT	0
	Xbox One S controller	BT	0
		USB	0
	Xbox 360 controller	USB	0
	Xbox Elite Wireless Controller Series 2	BT	0
	Xbox Adaptive controller	BT	-
USB		-	
Sony	Dualsense Edge	BT	0
		USB	0
	Dualsense	BT	0
		USB	0
	DualShock 4	BT	0
		USB	0
Google	Stadia controller	USB	Not support
		Wi-Fi	Not support
Amazon	Luna controller	BT	0
		USB	0
		Wi-Fi	Not support
Joytron	CYVOX DX	USB	0
Logitech	F710	USB	0
	F510	USB	0
	F310	USB	-
PowerA	MOGA XP5-X Plus Bluetooth controller	BT	-
		USB	-
Nvidia	Shield controller	BT	0
		USB	Not support
Nintendo	Nintendo Switch Pro	BT	0
		USB	0
	Nintendo Joy-Con (L/R)	BT	0

-  Some keys are not available on this product depending on controller.
-  Force feedback :
 - "Not support" (This product can't support force feedback.)
 - "-" (Controllers don't have force feedback function.)
-  Tizen Projector will support only XInput mode for the supported gamepads.
-  Xbox controllers may require firmware updates.
-  Controller audio output (3.5 mm port) is not available on this product.
-  Other controllers may or may not work for cloud gaming.

Using the controller

Button	Description
Left joystick and dpad	4 way navigation
Right joystick	<ul style="list-style-type: none"> • Up / Down : Volume control (Up / Down) • Left / Right : Channel control (Up / Down) on Projector screen • Select (press) : Mute the sound
A button or X button (Sony Only)	Enter (OK)
B button or O button (Sony Only)	Return (Cancel)
Pressing and holding the B button or O button (Sony Only)	Exit
Home button	Smart Hub homepage
Pressing and holding the Home button	(During cloud game play) Quick panel
Option button on the left	Game Bar (when Game Mode is turned on and an external source is connected)
X button or □ button (Sony Only)	Numeric buttons (123)
Pressing and holding the left and right joysticks simultaneously	Power off (Turning power on is not possible)

-  The button operation may differ depending on some apps or the controller.
-  If you connect controller to this product by Wi-Fi solution, you cannot use UI navigation function.

Setting up the input devices

🏠 > ☰ (left directional button) > ⚙️ **Settings** > **All Settings** > **Connection** > **External Device Manager** > **Input Device Manager** [Try Now](#)

- **Keyboard Settings** [Try Now](#)

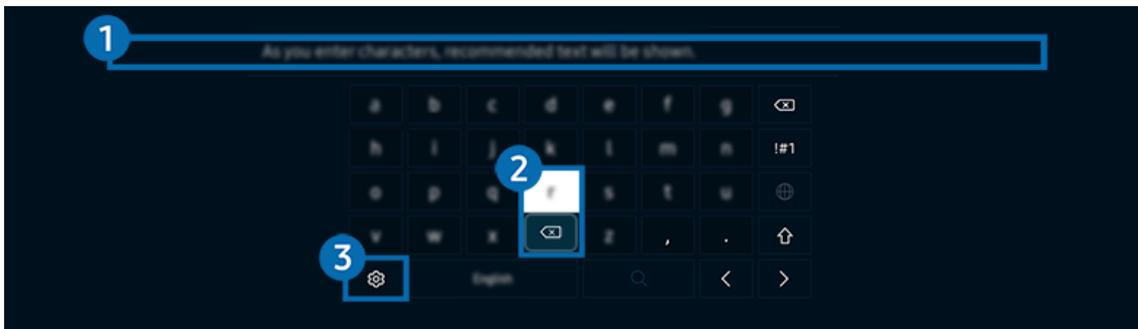
You can set up the keyboard with the [Keyboard Language](#) and [Keyboard type](#) functions.

- **Mouse Settings** [Try Now](#)

You can set up the mouse with the [Mouse Pointer Size](#), [Primary Button](#) and [Pointer Speed](#) functions.

Entering Text using the On-Screen Virtual Keyboard

Use the virtual keyboard to enter text on your Projector.



 The image on your Projector may differ from the image above depending on the model and geographical area.

1 Recommend text

When you type a word you want to use as a search term, this function displays related suggestions from which you can choose one.

2 Editing Buttons

By selecting any of pop-up Editing Buttons after entering characters on the virtual keyboard, you can quickly perform the editing function.

 This function is only available when the [Show Editing Buttons](#) feature is turned on.

3 Settings

Select  on the virtual keyboard screen. The following options are available:

 The options available may differ depending on the function running currently.

- [Recommend text](#)
 - [Recommended text](#)
 - [Reset Recommended Text Memory](#)
 - [Show Editing Buttons](#)
- [Keypad Language](#)
 - [Keypad Layout](#)

Entering Text using the remote control's microphone and the on-screen virtual keyboard

When the virtual keyboard is on the screen, press and hold the button  on the Samsung Smart Remote, speak into the microphone on the Samsung Smart Remote, and then release the button. What you say appears on the screen as text.

 Entering text with your voice may not be supported for some functions.

 This function may not be supported depending on the model or geographical area.

 The Samsung Smart Remote may not be supported depending on the model or geographical area.

Smart Features

You can enjoy various apps with Smart Hub.

Using Smart Hub

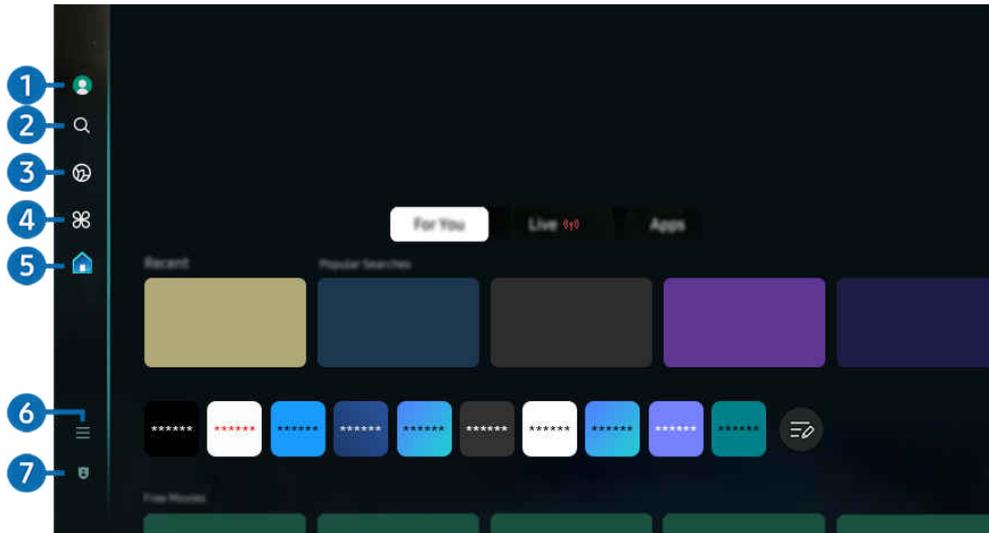
[View descriptions of Smart Hub's basic functions.](#)

From Smart Hub, you can use the Internet search function, install and use various apps, view photos and videos or listen to music and perform more functions.

-  Some Smart Hub services are paid services.
-  To use smart functions, you should connect to a network, agree to the terms and conditions, and log in with your Samsung account.
-  Some Smart Hub features may not be supported depending on the service provider, language or geographical area.
-  Smart Hub service outages can be caused by disruptions in your network service.

Displaying the Home Screen

Press the  button.



 The image on your Projector may differ from the image above depending on the model and geographical area.

1 Samsung Account

Go to the [Samsung Account](#) screen to create a new account or sign out of your account.

 For more information, refer to "[Using a Samsung account](#)".

2 Search

Search for channels, programmes, movies, and apps offered by Smart Hub.

 To use the Search service, make sure the Projector is connected to a network.

 This function may not be supported depending on the model or geographical area.

3 Ambient

Set your Projector to display content you desire, such as the time or weather, when the Projector is not used.

To return to Projector mode from [Ambient](#) mode, press  > the left directional button >  [Home](#). Press the  button to turn off the Projector.

 This function may not be supported depending on the model or geographical area.

 For more information, refer to "[Using Ambient Mode](#)".

4 🌿 Daily+

Offers a variety of practical apps, including a home workout app, video chat app and remote medical service app, allowing you to conveniently experience different lifestyles at home.

 This function may not be supported depending on the model or geographical area.

 For more information, refer to "[About the Daily+ Home screen](#)".

5 🏠 Home

View a variety of Projector programmes. Install various apps offered by Smart Hub, such as video, music and sports apps, and use the apps from the Projector.

 For more information, refer to "[Using the Home Function](#)".

6 ☰ Menu

Manage external devices connected to the Projector, and configure settings for various functions available on the Projector.

 For more information, refer to "[About the Menu Home Screen](#)".

7 🛡️ Privacy Choices

From your Projector, easily manage the privacy policy regarding services related to Smart Hub and verify how personal information is protected.

 To use Smart Hub, you must agree to the Smart Hub service agreement and the collection and use of personal information. Without giving consent, you cannot use the additional features and services. You can view the entire text of the [Terms & Privacy](#) by navigating to  >  >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Terms & Privacy](#). [Try Now](#)

 In order to rescind your consent to mandatory terms and conditions related to Smart Hub, launch [Reset Smart Hub](#) ( >  >  [Settings](#) > [Support](#) > [Device Care](#) > [Self Diagnosis](#) > [Reset Smart Hub](#)). [Try Now](#)

 This function may not be supported depending on the model or geographical area.

Launching Smart Hub automatically

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Start Screen Options](#) > [Start with Smart Hub Home](#) 

Enabling [Start with Smart Hub Home](#) automatically launches Smart Hub when the Projector is turned on. Navigate to this option to enable or disable the feature.

Launching the last used app automatically

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Start Screen Options](#) > [Autorun Last App](#) 

If [Autorun Last App](#) is set to **On**, the last used app is automatically run when you turn on the Projector. You can turn this function on or off. Press the Select button at the current menu.

 This function may not be supported depending on the app.

 This function may not be supported depending on the model.

Automatic Mirroring from Multi View

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Start Screen Options](#) > [Autorun Multi View Mirroring](#)

If you screen mirror your mobile device, the [Multi View](#) automatically displays the device screen. Navigate to this option to enable or disable the feature.

 This function may not be supported depending on the model or geographical area.

Automatic casting in Multi View

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Start Screen Options](#) > [Autorun Multi View Casting](#) 

Casting YouTube content from the mobile device automatically displays the content on Multi View.

 It is available on the screen for any broadcast, external device, or app that supports Multi View.

 This function may not be supported depending on the model.

Testing Smart Hub connections

 >  (left directional button) >  [Settings](#) > [Support](#) > [Device Care](#) > [Self Diagnosis](#) > [Smart Hub Connection Test](#) [Try Now](#)

Resetting Smart Hub

 >  (left directional button) >  [Settings](#) > [Support](#) > [Device Care](#) > [Self Diagnosis](#) > [Reset Smart Hub](#) [Try Now](#)

 You can reset the Smart Hub settings. To reset Smart Hub, enter the PIN. The default PIN is "0000" (for France and Italy: "1111"). You can set the PIN in  >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [System Manager](#) > [Change PIN](#). [Try Now](#)

 The default PIN may differ depending on the geographical area.

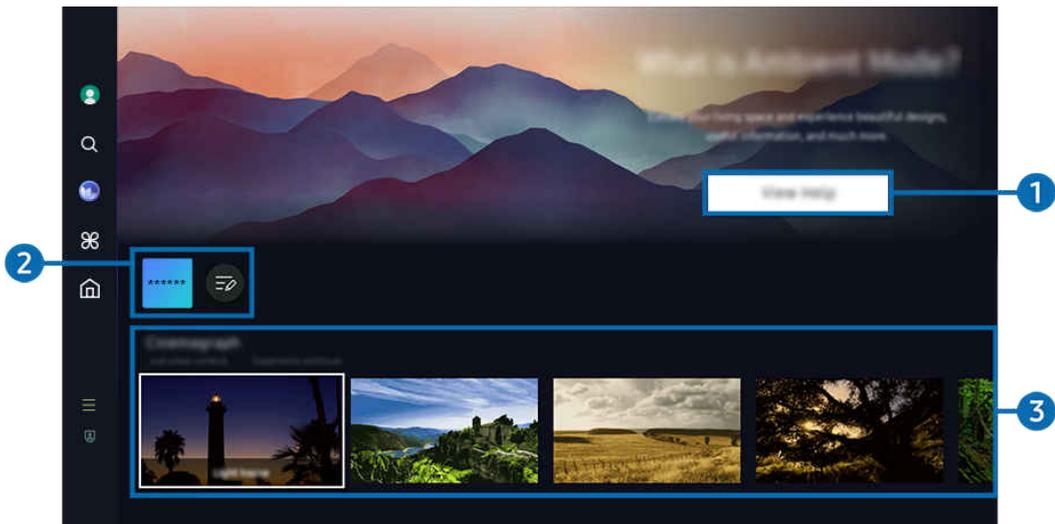
Using Ambient Mode

Learn about the functions available in Ambient mode.

 > left directional button >  **Ambient** [Try Now](#)

Set your Projector to display a photo or content you desire when the Projector is not used.

-  This function may not be supported depending on the model.
-  Press the  button in **Ambient** mode screen to enter to **Ambient** Home.
-  In **Ambient** mode, some functions may not be supported.



 The image on your Projector may differ from the image above depending on the model and geographical area.

1 Getting to Know Ambient Mode

Press **View Help** to briefly view information about **Ambient** mode, including functions.

2 App List

You can move the app to another location by selecting **Edit List** located at the end of the list.

 Supported apps may vary, depending on the region.

3 Function and content preview

Select a preferred content and a preferred background and set them as your **Ambient** mode. While in **Ambient** mode, press the Select button and then the Up directional button on the remote control to view the content details.

 You can use the SmartThings app on a Mobile Device to select a desired content and change the settings. Indicates content perfectly suited for the time of the day.

 Available content categories may differ depending on the model or geographical area.

- **Changing art work**

Change the artwork to display in **Ambient** mode. Press the Select button on the remote control to move the focus to an artwork. Use the left or right directional button to move to the desired art work, and then press Select button on the remote control.

- **View Details**

View detailed information about the selected image.

- **Favourite**

Add or delete specific images in **Favourite** by pressing the Select button and then the Up directional button on the remote control. To view items that are set as **Favourites**, navigate to **Ambient > Favourite**.

-  **Favourite**: The item is not set as Favourite

-  **Favourite**: The item is set as Favourite

- **Edit**

Customise the settings to suit your preferences.

 Available functions may not be supported depending on the model or content.

- **Weather Filter**

You can add a weather effect to content.

- **Time Filter**

You can select any background time format for content.

- **Colour**

Changes the Colour of the content.

- **Colour & Theme**

Changes the colour or theme of the content.

- **Vibes**

Selects a mood that matches the content.

- **Backgrounds**

Changes the background of the content.

- **Shadow Effects**

Applies a shadow effect that you select to the content.

- **Filter**

You can select an image filter effect to content.

- **BGM Mode**

You can add a background music to content.

- **Screen Settings**

You can adjust the settings such as content brightness, saturation, and colour tone.

- **Brightness**

Adjusts the brightness of the content.

- **Saturation**

Adjusts the saturation of the content.

- **Colour Tone**

Adjusts the colours of the content.

- **Red Tone / Green Tone / Blue Tone**

Adjusts the red, green, blue contrast.

Selecting Content Category

 Available content categories may differ depending on the model or geographical area.

- **Favourite**

While in **Ambient** mode, press the Select button on the remote control and press ♥ **Favourite** to save the displayed content to **Favourite**.

- **LightWARP**

Create your own virtual space with creative tools on your Mobile Device.

- **Special Edition**

Allows you to enjoy creative artwork and interior design content created by the world's finest artists and designers.

- **Cinemagraph**

Adds a looping animation to a specific part of the photo to make it more attention-grabbing.

- **My Album**

Allows you to set a photo stored in your mobile device or Samsung Cloud as the wallpaper of the Ambient mode screen.

 To import photos from your mobile device or Samsung Cloud, use the SmartThings app on your mobile device.

 For more information about how to configure the photo settings, select **How to Select Photos**.

- **Mood**

Enjoy a range of options to create the right ambience to suit your mood.

- **Relaxation**

Relax with a selection of calming content inspired by nature to soothe your mood.

- **Décor**

Allows you to select content with a sensible and beautiful design.

- **Info**

Allows you to select essential real-time information such as weather, temperature, time, and news.

- **Artwork**

Allows you to select content such as world famous photos and artwork.

- **Background Theme**

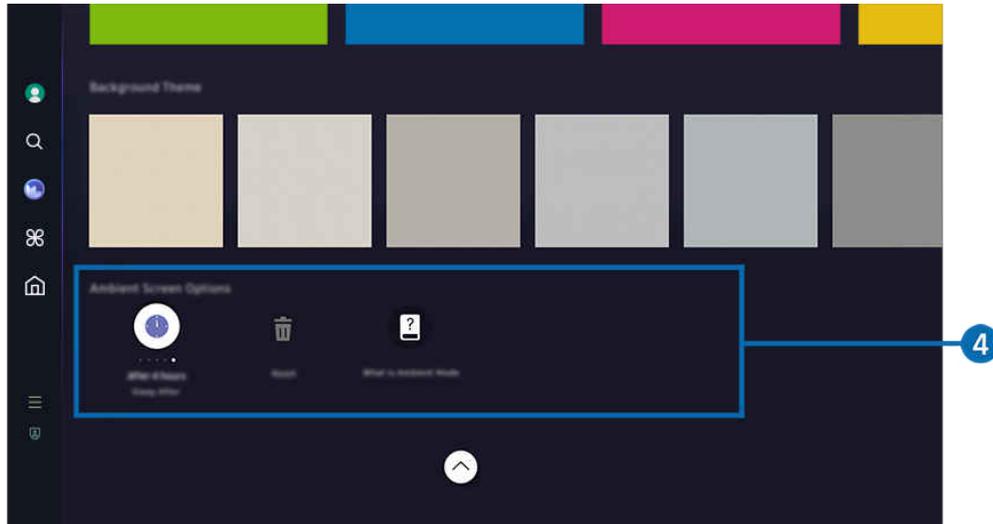
Allows you to select a background theme provided by Samsung.

 Take a picture of a wall using the SmartThings app on your mobile device to create a custom background theme. When you use this function, there may be a delay in image transmission and optimisation depending on network conditions.

 A created **Background Theme** can be set as the background for content. To set it as the background for content, press the Select button on the remote control while in **Ambient** mode, and select **Edit**.

- **Routine**

Enjoy a range of routines, each displaying content to suit each part of your day or create your very own routines via the SmartThings app.



 The image on your Projector may differ from the image above depending on the model and geographical area.

4 Ambient Screen Options

Following **Ambient** mode options are configurable:

 This menu can be found at the bottom of the **Ambient** home. To configure the option settings, scroll down to the far bottom.

 Available options may vary depending on the model.

- **Sleep After**

Sets the time when the **Ambient** mode screen turns off automatically.

 If there is no remote control input for the set time, the screen goes off.

- **Reset**

Reset photos saved in **My Album**.

- **What is Ambient?**

Briefly view information about **Ambient** mode, including functions.

Entering the Projector viewing screen from Ambient Mode

To access the Projector screen from **Ambient** mode, press either the  or  button to redirect to the **Ambient** mode Home Screen, press the left directional button on the remote control, and then select the  **Home**.

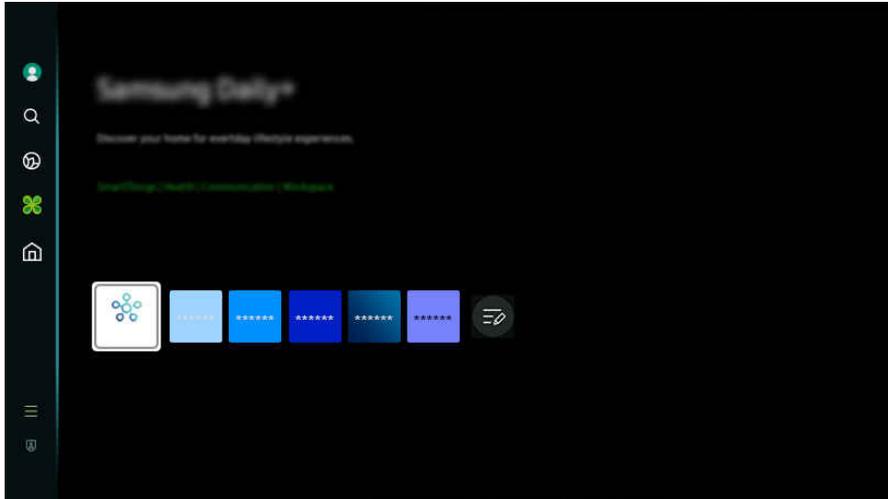
 If the Projector is off and the  button is pressed, the  **Home** screen appears.

About the Daily+ Home screen

Offers a variety of practical apps, including a home workout app, video chat app and remote medical service app, allowing you to conveniently experience different lifestyles at home.

🏠 > left directional button > 🌿 Daily+

✎ This function may not be supported depending on the model or geographical area.



✎ The image on your Projector may differ from the image above depending on the model and geographical area.

- **SmartThings**

It allows the Projector to connect and control the detected various devices in the same space.

✎ For more information about **SmartThings**, refer to "[Using SmartThings](#)".

✎ This function may not be supported depending on the model or geographical area.

- **Workspace**

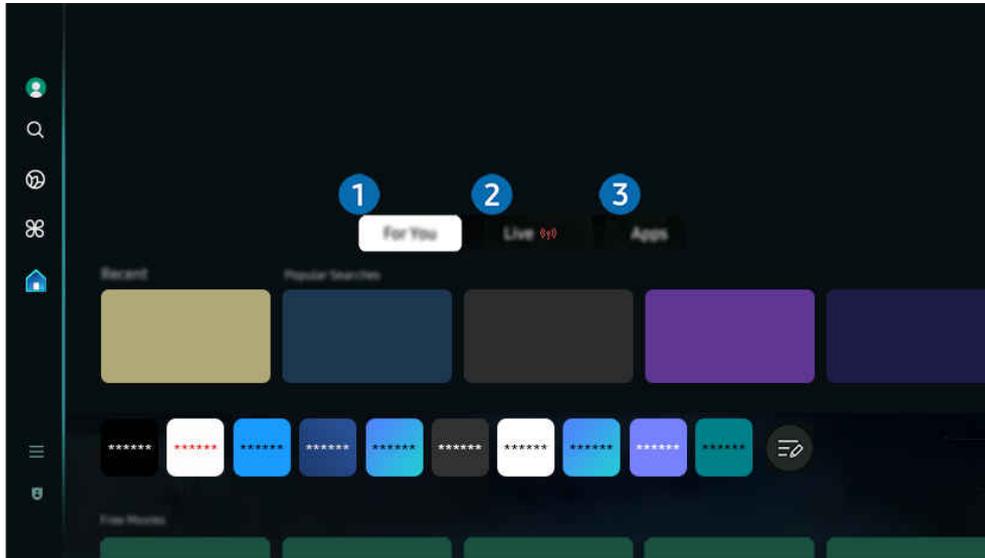
Use the Projector to access your PC via remote PC or Screen Sharing (Wireless).

✎ For more information, refer to "[Using Workspace](#)".

Using the Home Function

View a variety of Projector programmes. Install various apps offered by Smart Hub, such as video, music and sports apps, and use the apps from the Projector.

🏠 > left directional button > 🏠 Home



The image on your Projector may differ from the image above depending on the model and geographical area.

1 For You / Discover

The app makes personalised recommendations based on the user's viewing experience. View currently popular content, or add frequently used apps to the Home screen.

For more information about [For You / Discover](#), refer to "[About the For You / Discover Home Screen](#)".

The name of this function may appear differently depending on the model or geographical area.

2 Live

Watch Projector programmes currently on the air. Access the [Guide](#) screen to check the broadcast schedules and set up scheduled viewing for the programmes you want.

For more information about [Live](#), refer to "[About the Live Home Screen](#)".

This function may not be supported depending on the model or geographical area.

3 Apps

Install a variety of apps offered by Smart Hub, such as video, music, sports and game apps, and use the apps from the Projector.

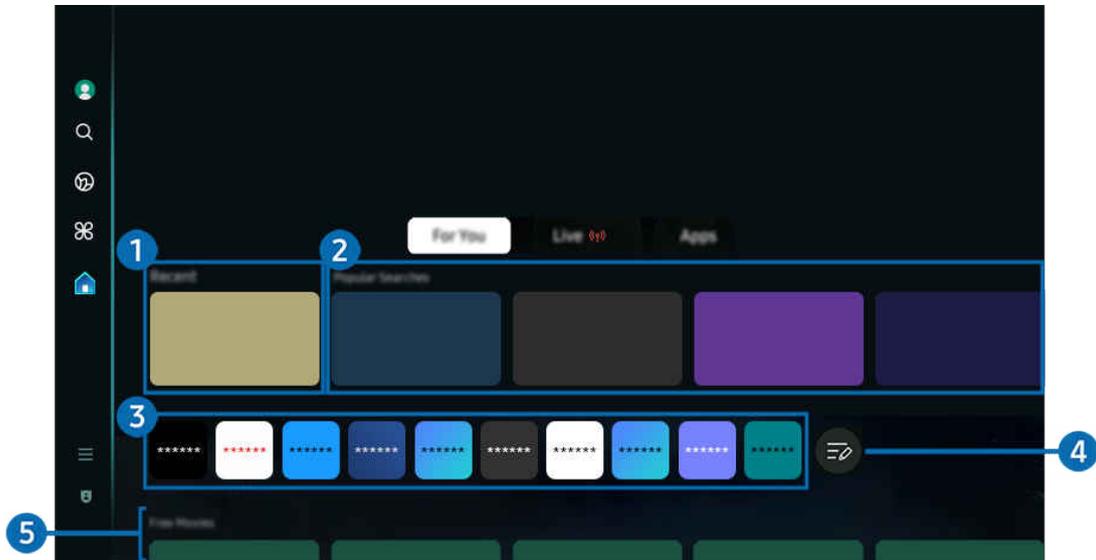
For more information about [Apps](#), refer to "[About the Apps Home Screen](#)".

About the For You / Discover Home Screen

This screen makes personalised recommendations based on the user's viewing experience.

🏠 > left directional button > 🏠 Home > For You / Discover

✎ The name of this function may appear differently depending on the model or geographical area.



✎ The image on your Projector may differ from the image above depending on the model and geographical area.

1 Recent

Access your last watched Projector programme, app or last used input source.

2 On Now

Display a list of Projector programmes or Samsung TV Plus content items currently being aired.

✎ This function may not be supported, depending on the input signal and settings.

3 App List

Add frequently used apps or delete apps on the Home screen, to suit your preferences.

4 Edit List

- **Moving an item on the Home Screen**

From the end of the list, select **Edit List**. Move the focus to the app to relocate, and press the down directional button on the remote control. Select **Move** from the option menu. Use the left or right button to reposition the app and then press Select. This repositions the app on the Home Screen.

Alternatively, move the focus to the app to relocate, press and hold the Select button, and then select **Move**.

- **Removing an item on the Home Screen**

From the end of the list, select **Edit List**. Move the focus to the app to remove, and press the down directional button on the remote control. Select **Remove** from the option menu. This removes the app from the Home Screen list.

Alternatively, move the focus to the app to delete, press and hold the Select button, and then select **Remove**.

 To add a deleted app back to the list or add a downloaded new app to the Home screen, refer to "[Managing installed apps](#)".

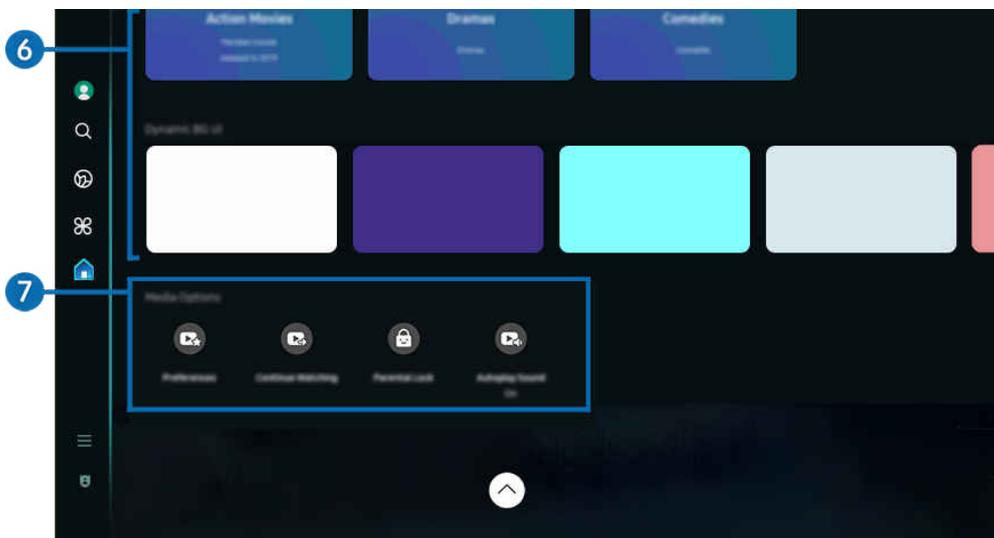
5 Search Trend

Recommends content that are currently popular in many OTT services.

 The name of this function may appear differently depending on the model or geographical area.

 This function may not be supported depending on the model or geographical area.

 This function may not be supported, depending on the input signal and settings.



 The image on your Projector may differ from the image above depending on the model and geographical area.

6 Universal Guide

Universal Guide is a function that allows you to search for and enjoy various content, such as Projector shows, dramas, and movies, in one place. **Universal Guide** can recommend content tailored to your preferences.

You can use this feature on your mobile device with the Samsung SmartThings app.

-  To access Universal Guide, press the down directional button on the remote control in Home Screen.
-  To enjoy the content from these apps on your Projector, they must be installed on the Projector.
-  When you watch some paid content, you may need to make a payment using their associated app.
-  Some content may be restricted depending on your network conditions and your subscriptions to paid channels.
-  Parental control is necessary when children use this service.
-  Images may look blurry depending on the service provider's circumstances.
-  This function may not be supported depending on the model or geographical area.

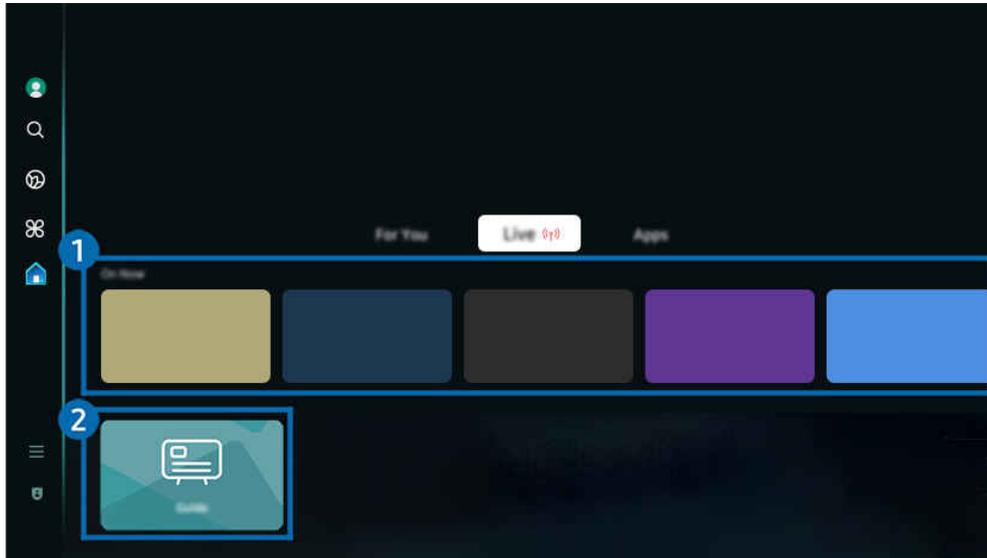
7 Media Options

-  This menu can be found at the bottom of the For You / Discover home. To configure the option settings, scroll down to the far bottom.
-  This function may not be supported depending on the model or geographical area.
- **Preferences:** Select a preferred service to receive content recommendations to suit your preference.
- **Continue Watching:** Choose content providers for **Continue Watching**. You can continue watching different shows in one place from all the **Continue Watching**-supported content providers listed below.
- **Parental Lock:** Redirect to the Parental Lock menu. Turn all parental control settings on or off.
- **Auto Play Sound:** When you browse and preview content, you can set the sound to come out or not automatically.

About the Live Home Screen

View Projector programmes currently on the air. Access the Guide screen to check the broadcast schedules and set up scheduled viewing for the programmes you want.

🏠 > left directional button > 🏠 Home > Live (📺)



 The image on your Projector may differ from the image above depending on the model and geographical area.

 This function may not be supported depending on the model or geographical area.

1 On Now

Display a list of Projector programmes or Samsung TV Plus content items currently being aired.

 This function may not be supported, depending on the input signal and settings.

2 Guide

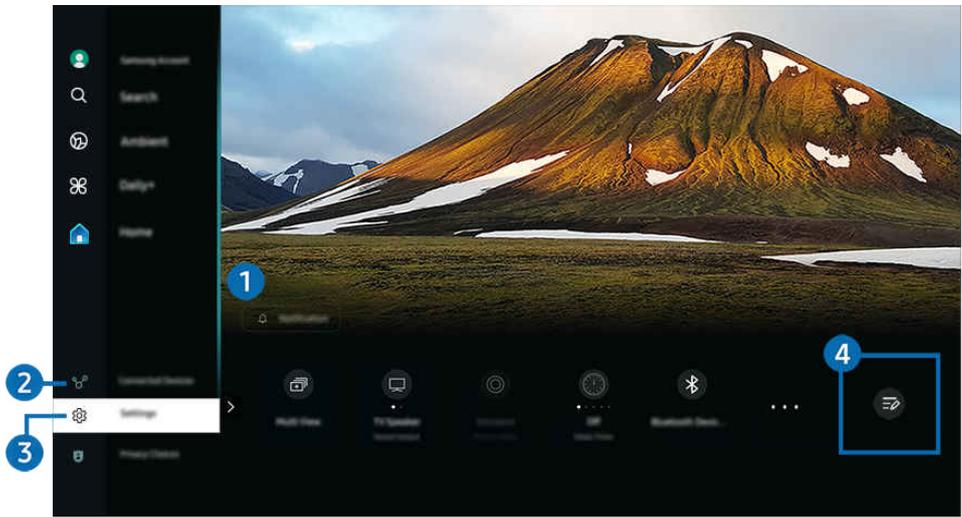
See the programming schedules of different channels on a single screen. Use [Guide](#) to view the daily programme schedule for each broadcaster. You can also find out detailed information about programmes, watch a specific programme, or schedule the recording of a programme.

 For more information about [Guide](#), refer to "[Using the Guide](#)".

About the Menu Home Screen

Manage external devices connected to the Projector, and configure settings for various functions available on the Projector.

Home > left directional button > Menu



The image on your Projector may differ from the image above depending on the model and geographical area.

1 Notification

You can view a list of notifications for all events that occur on your Projector. A notification appears on the screen when it is time to schedule viewing, schedule recording, etc.

If you move the focus to **Notification**, and then press the Select button, a notification window appears on the right and the following functions are available:

- **Delete All**
You can delete all your notifications.
- **Settings**
You can select services you want to be notified about.
When you select **Allow sound**, notifications are displayed with a notification sound.

2 Connected Devices

Select an external device that is connected to the Projector.

For more information, refer to "[Switching between external devices connected to the Projector](#)".

3 Settings

Move the focus to the [Settings](#) menu to display quick setting options below the menu. Quick Settings can be used to quickly configure frequently used features.

 The [Settings](#) items may not be supported depending on the model or geographical area.

- [All Settings](#)
Displays the [Settings](#) menu for configuring specific settings.
- [Keystone](#)
Fix a distorted image on the screen based on the projection angle.
- [Focus](#)
Adjust the screen focus according to the projection distance.
- [Scale and Move Screen](#)
Enlarge or reduce the screen scale. You can also move the screen.
- [Picture Off](#)
Turn off the Projector screen and provide only sound to reduce overall power consumption.
- [Sound Output](#)
You can select which speakers the Projector uses for audio output. To change the audio output, press the Select button.
- [Brightness](#)
Easily configure the screen settings: [Brightness](#), [Contrast](#), [Sharpness](#), [Colour](#) and [Tint \(G/R\)](#).
- [Picture Mode](#)
Change the picture mode for the optimal viewing experience. Press the Select button to change the [Picture Mode](#).
- [Sound Mode](#)
You can select a sound mode to optimise your listening experience. To change the sound mode, press the Select button. To make fine adjustments, press the down directional button, and then select [Equaliser Setup](#).

- **Intelligent Mode**

Improves your viewing experience by recognising your content, usage patterns, and the environment around your Projector.

 This function may not be supported depending on the model or geographical area.

 For more information about the Intelligent Mode, refer to "[Using Intelligent Mode](#)".

- **Bluetooth devices**

Connect your Projector to Bluetooth devices. This can be done by selecting **Bluetooth devices** to automatically search for Bluetooth devices.

 Connecting Bluetooth devices may not be supported depending on the model or geographical area.

- **Wi-Fi / LAN**

Check your network connection. To check your network connection or change the connection settings, press the down directional button, and select either **Network Status** or **Network Settings**.

 This function may not be supported depending on the model or geographical area.

- **Multi View**

While watching the Projector, you can simultaneously view multiple screens that are split.

 For more information, refer to "[Using Multi View](#)".

 This function may not be supported depending on the model or geographical area.

- **Sleep Timer**

You can turn off the Projector automatically at a specific time. To change the sleep time, press the Select button. To set the specific time at which the Projector turns off automatically, press the down directional button, and then select **Set Up Off Timer**.

- **Game Mode**

You can set the **Game Mode** to optimise the Projector screen for better gaming performance. To turn **Game Mode** on or off, press the Select button. To set the detailed options, press the down directional button, and then select **Go to Game Mode Settings**.

 This function is only available when an external input source is being used.

 For more information, refer to "[Setting the Viewing Environment for External Devices](#)".

 This function may not be supported depending on the model or geographical area.

- **Subtitle**

You can watch Projector broadcasts with subtitles. To activate/deactivate the **Subtitle** function, press the Select button. To run **Accessibility Shortcuts**, press the down directional button, and then select **Accessibility Shortcuts**.

- **Digital Output Audio Format**

You can select an output format for digital audio. Note that the **Dolby Digital+** option is only available via HDMI (eARC) for external devices that support the **Dolby Digital+** format.

- **Picture Clarity**

You can optimise pictures that contain a lot of motions. To turn this function on or off, press the Select button. To set the detailed options, press the down directional button, and then select **Picture Clarity Settings**.

- **Colour Tone**

You can select a colour tone suitable for your viewing preferences. To change to a colour tone that you want, press the Select button.

- **Energy Saving Solution**

Reduce power consumption by adjusting brightness settings.

 This function may not be supported depending on the model or geographical area.

- **Power and Energy Saving**

Display the **Power and Energy Saving** menu. Reduce energy consumption by changing your power preferences and other energy-saving options.

 This function may not be supported depending on the model or geographical area.

- **Support**

Displays the **Support** settings menu.

- **Audio Language**

You can change to the audio language you want to hear. To make fine adjustments, press the down directional button, and then select **Go to Audio Options**.

- **Contrast Enhancer**

You can prevent excessive differences between bright and dark areas on the Projector screen. To change the **Contrast Enhancer** setting, press the Select button.

- **Picture Size**

You can change to the picture size you want to view. To make fine adjustments, press the down directional button, and then select **Go to Picture Size**.

- **Colour Space**

You can set the spectrum of colours on the Projector screen. To change to a colour space that you want, press the Select button. To set the detailed options, press the down directional button, and then select **Colour Space Settings**.

4 Edit List

From the end of the **Settings** list, select **Edit List**. You can change the location of functions in the **Settings** screen.

 An alternative way to move a function is to move the focus to the function to move and then press and hold the Select button.

Using a Samsung account

Create and manage your own Samsung account.

 >  (left directional button) >  **Settings** > **All Settings** > **General & Privacy** > **System Manager** > **Samsung Account**  

 You can view the entire text of the Terms & Policy in  >  (left directional button) >  **Settings** > **All Settings** > **General & Privacy** > **Terms & Privacy** after logging in to your Samsung account.

 Follow the instructions on your Projector screen to create or log in to a Samsung account.

 Samsung account can be used on Projector, mobile device, and website with one ID.

Signing in to a Samsung account

 >  (left directional button) >  **Settings** > **All Settings** > **General & Privacy** > **System Manager** > **Samsung Account** > **Sign In**

Creating a new account

 >  (left directional button) >  **Settings** > **All Settings** > **General & Privacy** > **System Manager** > **Samsung Account** > **Create Account**

Managing your Samsung account

 >  (left directional button) >  **Settings** > **All Settings** > **General & Privacy** > **System Manager** > **Samsung Account** > **My Account**

When you sign in to your Samsung account, you can use the following functions:

- **Edit profile**

You can edit your account information.

 To protect personal information, enter **Edit profile** and then **Sign-in Method** is set to **Select your ID and input password (high security)**.

 If you want the Projector to log you into your account automatically whenever you turn on the Projector, click **Stay Signed In**.

 When the Projector is used by multiple people, turn off **Stay Signed In** to protect personal information.

- **PIN Setting**

Set or change your PIN.

- **Payment Info**

You can view or manage your payment information.

- **Back up**

You can back up the Projector settings to your Cloud storage. When resetting or replacing the Projector, you can also restore its settings with the backed-up settings.

- **Product Registration**

You can register the current Projector or see the registered information. You can easily receive services after product registration.

 You can see the registered information or delete it at the Samsung account website (<https://account.samsung.com>).

- **Security and Privacy**

You can read the Privacy Policy for Samsung accounts or change custom service settings.

- **Sync Internet**

Once you sign in to your Samsung account and configure the **Sync Internet** settings, you can share the favourites and website bookmarks that you registered on other devices.

- **About Samsung account**

You can view the user agreement and privacy policy.

 For more information about the terms and conditions, special terms, select [View Details](#).

- **Remove Account**

You can delete an account from the Projector. Although you have deleted your Samsung account from the Projector, you are not unsubscribed.

 To unsubscribe from your Samsung account, visit the Samsung accounts website (<https://account.samsung.com>).

- **Sign out**

When multiple people share the Projector, you can sign out of your account to prevent others from using it.

 To sign out of your **Samsung Account** (🏠) > ≡ (left directional button) > ⚙️ **Settings** > **All Settings** > **General & Privacy** > **System Manager** > **Samsung Account**, move the focus to your account's icon, and then press the Select button. When a pop-up window appears, select **Sign out**.

Using Workspace

Use the remote function to connect to and use a Windows PC, Mac, or mobile device from the Projector.

 >  left directional button >  **Daily+** > **Workspace** [Try Now](#)

Connect a Windows PC, Mac, or mobile device to the Projector to easily use the device.

 For smooth use as in a computer, connect a keyboard and a mouse to your Projector in advance.

Using Screen Sharing (Windows PC) / AirPlay (Mac)

 >  left directional button >  **Daily+** > **Workspace** > **Windows PC** > **Screen Sharing**

 >  left directional button >  **Daily+** > **Workspace** > **Mac** > **Screen Mirroring**

Follow the instructions on the screen to adjust the PC settings and wirelessly connect the Projector to the PC.

 This function is only available for PCs that support wireless screen sharing.

 This function may not be supported depending on the model or geographical area.

 Connection via Windows OS is available in Windows 10 and later versions only.

 Connection via Mac OS is available in AirPlay.

Using Easy Connection to Screen

 >  left directional button >  **Daily+** > **Workspace** > **Windows PC** > **Easy Connection**

You can easily use remote access function after installing **Easy Connection to Screen** on your PC.

Follow the instructions on the screen to download and install the **Easy Connection to Screen** PC app. Then you can easily connect a remote PC.

1. Download the **Easy Connection to Screen** PC app from <http://smsng.co/easy> and then install it on your PC.
2. Log in to the same Samsung account for both Projector and PC.
3. When the PC is turned on and connected via the network, **Workspace's** Home Screen displays the PC.

 The **Easy Connection to Screen** PC app is available in Windows 10 and later versions only.

 Depending on the network environment including the firewall configuration, router type, and wireless signal strength, connection problems may occur, such as low speed, disconnection, or limited connection.

Connecting a Remote PC

 >  left directional button >  [Daily+](#) > [Workspace](#) > [Windows PC](#) > [Manual Connection](#)

[Try Now](#)

 >  left directional button >  [Daily+](#) > [Workspace](#) > [Mac](#) > [Remote Login](#) [Try Now](#)

Provides **Remote Desktop Connection (RDP)** for remotely connecting to a PC running on Windows and **Virtual Network Computing (VNC)** for a PC running on Mac. To remotely connect to a PC, you must enter the IP address of the remote PC or select a saved profile. Enter a correct username and password. If there is any computer that can be accessed via the same network, the found IP is displayed.

 To register a frequently used PC, move the focus to  [Manage User Profiles](#), and then press the Select button. When a pop-up window appears, select **Add**, and then enter the PC information.

 When your PC enters in power saving mode, connection is not available. It is recommended to cancel the power saving mode.

 It is recommended to connect the wired network because the screen or sound may be interrupted depending on the network condition.

1. Configure your computer's settings to use the [Workspace](#) function.

 Connection to Windows via the RDP protocol is available in Windows 10 Professional or higher.

 Remote connection to a PC running on Mac via the VNC protocol is only supported for Mac OS X 10.5 or later.

- Windows OS:

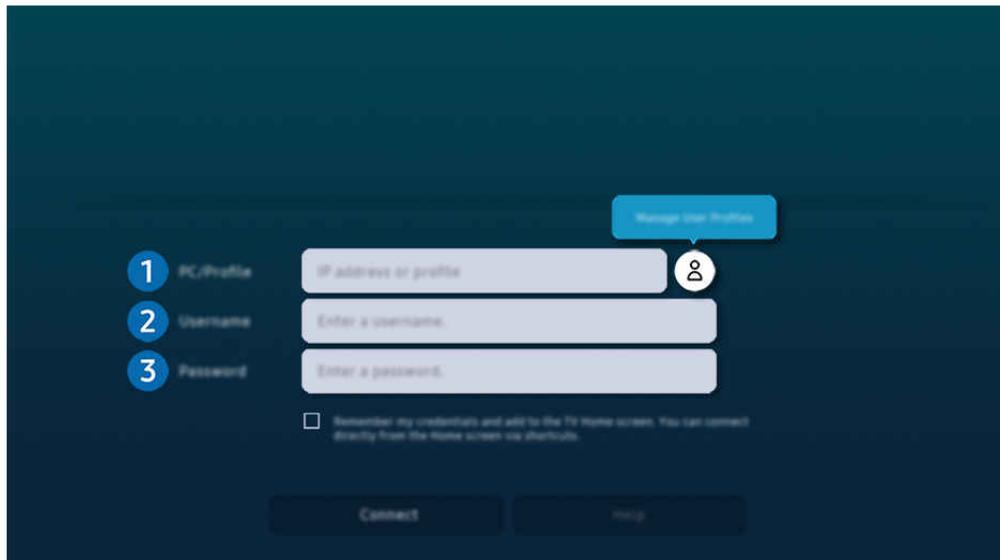
- 1) Right-click the **My PC** icon on Desktop or Windows Explorer and then click **Properties**.
- 2) Click **Remote Desktop** and select **Activate Remote Desktop**.

- Mac OS:

- 1) Select **Menu** > **System** > **Preferences** and then click **Sharing**.
- 2) Select the **Screen Sharing** and **Remote Login** check box.
- 3) Run the resolution changing app downloaded from App Store and then change the resolution to 1440 x 900 or lower.

 If you do not change the resolution in Mac OS, the previous image may appear while connecting a remote computer.

2. Enter the required settings for connecting the computer remotely.

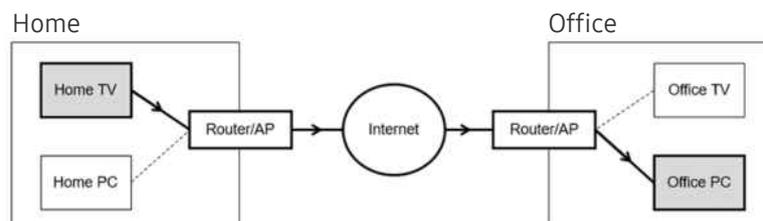


 The image on your Projector may differ from the image above depending on the model and geographical area.

1 PC/Profile

Enter the IP address or profile of the PC you want to connect to.

- In case of Windows, when the computer to connect is within the same network (router/AP), run "cmd" command in **Settings > Network and Internet > View Network Properties** or in **Start > Run**, and then run "ipconfig" to check the IPv4 address of the computer.
- In case of Mac, you can check the IP address in **Settings > Remote Access**.
- When the Projector and computer are not within the same network, it is required to know the public IP and configure the router and AP. Check whether the router connected to the computer supports port forwarding. When the company provides additional security features such as firewall, seek help from a security officer.



2 Username

Enter the Username of the computer. How to check the Username:

- Windows OS: Control Panel > User Account Control
- Mac OS: System Preferences > Users & Groups

3 Password

Enter the password for the login account.

-  For use of PIN, do not enter PIN but the specified password of the computer.

Playing Multimedia Content on a Remote PC

When you move the mouse cursor to the top of the screen after accessing a remote computer, the top bar appears. When the sharing folder icon is clicked in the top bar, the folders shared on Windows or Mac OS appear. You can play back any media content in a folder.

 For more information about playing multimedia content, refer to "[Playing pictures/video/music](#)".

To use this function, the folder sharing option on the computer to access must have been enabled as shown below:

- Windows OS:
 1. Run Windows Explorer and then move to the folder to share.
 2. Right-click the folder and then click **Properties**.
 3. After the **Properties** window appears, click the **Sharing** tab and then click **Advanced Sharing**.
 4. After the **Advanced Sharing** window appears, select the **Share this folder** check box.
- Mac OS:
 1. Select **Menu** > **System Preferences** and then click **Sharing**.
 2. Select the **File Sharing** check box.
 3. To add a folder to share, click the **Add+** button at the bottom.
 4. Select a folder and then click **Add+**.

 It is recommended to connect the wired network because the screen or sound may be interrupted depending on the network condition.

 When playing a video file via a remote computer, the screen or sound breaking may be encountered.

Using Samsung DeX

Run [Samsung DeX](#) on your mobile device to connect the software to the Projector.

Follow the on-screen instructions to connect [Samsung DeX](#). Some models may not be searched when connecting the Projector from a mobile device through [Samsung DeX](#). If that is the case, follow the instructions shown on the mobile device screen to connect the software.

 This function is available only on mobile devices that support the wireless Samsung DeX.

Using Microsoft 365

You can read or create a document after accessing the Microsoft 365 website.

-  Run the site in full screen mode.
-  URL modification is impossible in the Microsoft 365 page.

Adding the Web Service

Select the [Add Web Service](#) icon. Use the bookmarking function of the [Workspace](#) browser, you can add or delete the web service link to or from [Workspace](#).

-  To add the web service, you must be signed in to your Samsung account.
-  The number of web services that can be added to [Workspace](#) is limited.
-  [Workspace](#) browser not share data with Internet. (Web browser outside from [Workspace](#))

Using Web Service

You can access the web service by selecting the web service icon added to [Workspace](#).

-  The screen on the webpage may differ from that of a computer.
-  You can copy or paste any text. Some image formats are supported.
-  For easy and secured login in Web Service, [Workspace Pass](#) is additionally supported as well as [Samsung Pass](#).

Setting [Samsung Pass](#) or [Workspace Pass](#).

Set [Samsung Pass](#) or [Workspace Pass](#) to Use in  >  left directional button >  [Daily+](#) > [Workspace](#) > Run the [Workspace](#) browser (Additionally select [Microsoft 365](#) or [Add Web Service](#)) > [Internet Menu](#) > [Settings](#) > [General](#).

[Workspace Pass](#) allows you to easily manage the web service ID and password without biometric authentication on mobile devices. For this purpose, you must be signed in to your Samsung account. The password is encrypted to be safely stored on your Projector.

However, the log in to [Workspace Pass](#) may not work depending on the site policy.

[Workspace Pass](#) only working on [Workspace](#).

-  To securely access the web service, you can use the [Workspace](#) browser's automatic shutdown or clear the history logs.
-  Before accessing the web service, refer to "[Read Before Using the Internet Function](#)".
-  [Workspace](#) browser not share data with Internet. (Web browser outside from [Workspace](#))

The web service supports the following keyboard shortcuts:

- F1: Returns to [Workspace](#)'s Home Screen.
- F5: Refresh.
- F8: Mutes the sound.
- F9/F10: Adjusts the volume.
- F11: Switches between full screen or default screen.

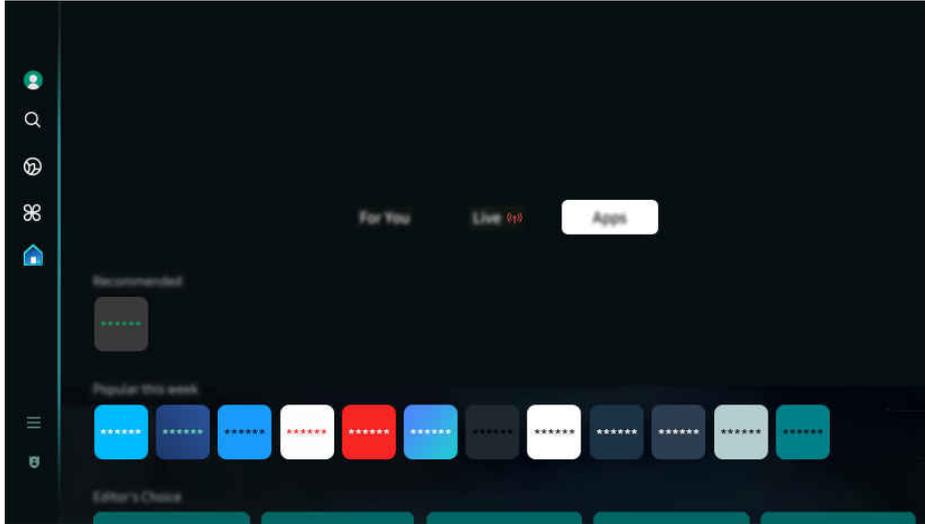
About the Apps Home Screen

Download and run various apps from Smart Hub.

🏠 > left directional button > 🏠 Home > ⌘ Apps

You can enjoy a wide range of content including video, music, sports and game apps by installing the corresponding apps on your Projector.

- ✎ To use this feature, the Projector must be connected to the network.
- ✎ When Smart Hub is launched for the first time, the default apps are automatically installed. The default apps may differ depending on the model or geographical area.



- ✎ The image on your Projector may differ from the image above depending on the model and geographical area.

Installing an app

1. Move to the app you want to install, and then press the Select button. The detailed information screen appears.
2. Select **Install**. When the installation is complete, the **Open** menu appears.
3. Select **Open** to run the app immediately.

-  You can view installed apps on the **Settings** screen.
-  If the Projector's internal memory is insufficient, you can install some specific apps on a USB device.
-  You can run an app installed on a USB device only when the USB device is connected to the Projector. If the USB device is disconnected while an app is running, the app is terminated.
-  You cannot run an app installed on a USB device on a PC or another Projector.

Launching an app

You can run the app desired from **Downloaded App**.

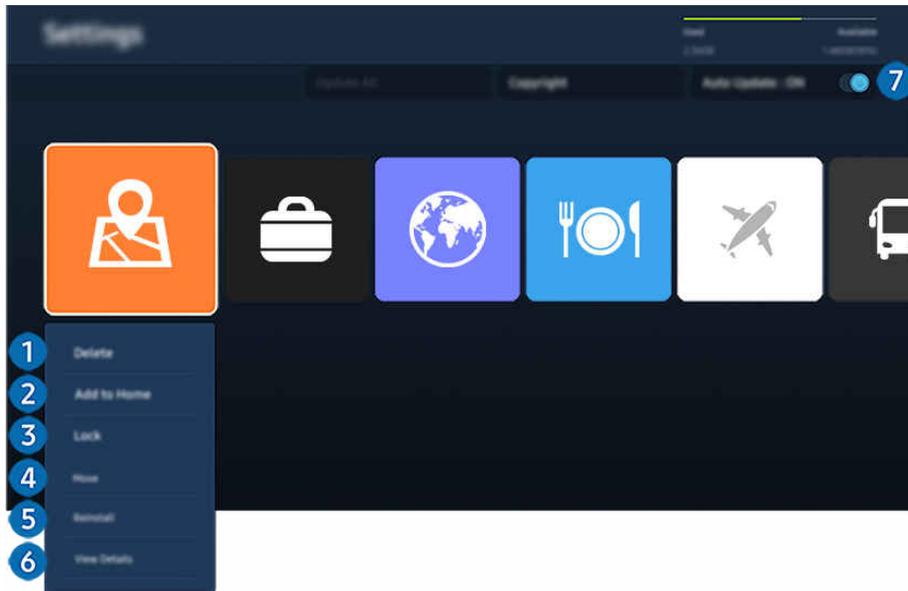
The icons below appear within the selected app's icon and indicate the following:

-  : The app is installed on a USB device.
-  : The app has a password.
-  : The app needs to be updated.
-  : The app supports the mirroring function.

Managing installed apps

To manage installed apps, access [App Settings](#).

 [App Settings](#) can be found at the bottom of the [Apps](#) screen. To access [App Settings](#), scroll down to the bottom.



 The image on your Projector may differ from the image above depending on the model and geographical area.

1 Removing an app

1. Select an app to delete.
2. Select [Delete](#).

The selected app is deleted.

 Ensure that the related app data is also removed when you remove an app.

 Standard apps cannot be uninstalled.

2 Adding apps to the Home Screen

1. Select an app to add.
2. Select [Add to Home](#).
3. After the Home Screen appears, move the selected app to the desired location.
4. Press the Select button.

The selected app is added to the Home Screen.

 If the selected app is already added to the Home Screen, this function is disabled.

3 Locking and unlocking apps

1. Select an app to lock or unlock.
2. Select [Lock/Unlock](#).

The selected app is locked or unlocked.

 To lock or unlock an app, enter the PIN. The default PIN is "0000" (for France and Italy: "1111"). You can set the PIN in  >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [System Manager](#) > [Change PIN](#). [Try Now](#)

 The default PIN may differ depending on the geographical area.

4 Moving apps

1. Select an app to move.
2. Select [Move](#).
3. Move the app to the desired location.
4. Press the Select button.

The selected app is moved.

 This function may not be supported depending on the model or geographical area.

5 Reinstalling an app

1. Select the app to install again.
2. Select [Reinstall](#).

Reinstallation starts.

6 Checking the app information details

1. Select the app to check.
2. Select [View Details](#).

The app information screen appears.

 You can rate an app on the [View Details](#) screen.

7 Automatically updating apps

To automatically update the installed apps, set [Auto update](#) to [ON](#).

 Automatic update is enabled only when the Projector is connected to the network.

Using TV Access

By mirroring, you can watch TV from the Projector screen.

Select and mirror the desired TV to view the TV content from the Projector screen.

 >  (left directional button) >  **Connected Devices** > **TV Access**

 This function may not be supported depending on the model.

 Connect the TV and Projector to the same 5 GHz network.

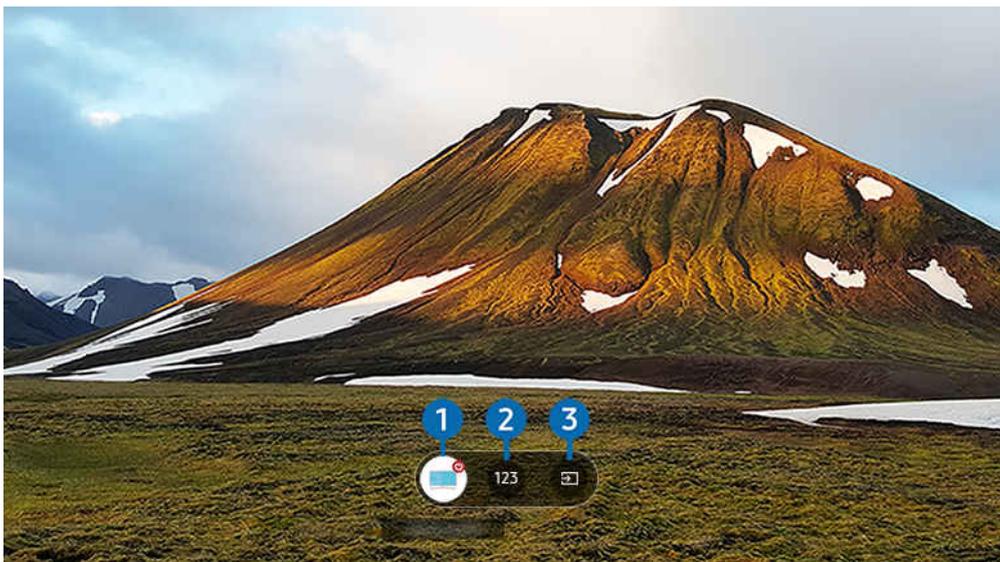
Connecting to a TV

Select **TV Access** to display a list of available TVs to connect to. Select and connect the desired TV to the Projector.

After a connection is established, the TV appears in the **Connected Devices** list of the Projector. To subsequently connect to the same TV, select the TV from the **Connected Devices** list.

To disconnect from the TV, press the  or  button on the remote control.

Controlling the connected TV from the Projector



When content is playing, press the up directional buttons on the remote control to display the control menu of the Projector.

1 Power

Turn on or off the connected TV.

2 Enter Number

Press a channel number to change the connected TV channel.

 Alternatively, use the \wedge/\vee (Channel) button on the remote control to change channels.

3 Source

Change the input source connected to the TV.

Using the User guide

Control and read the manual embedded in your Projector.

Launching the User guide

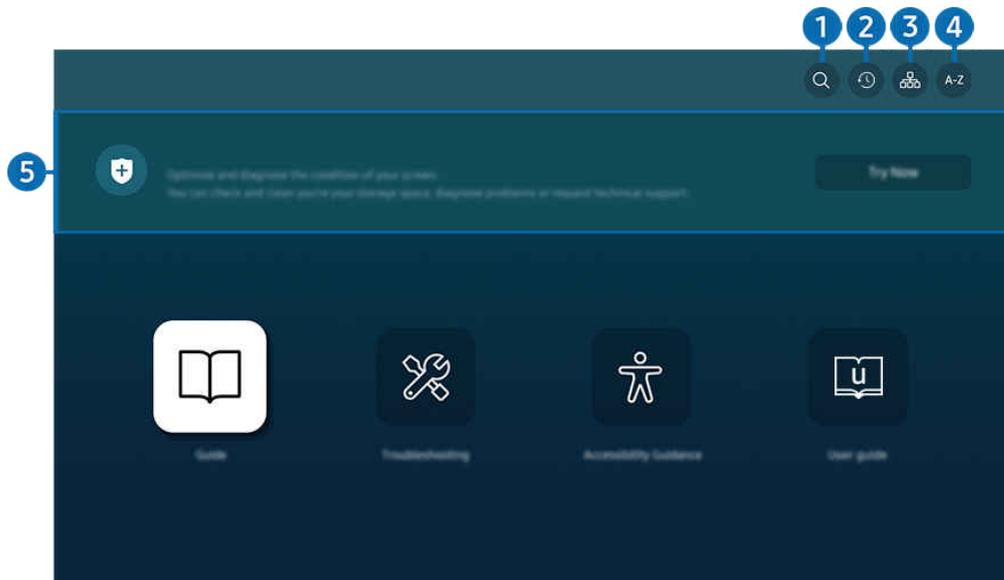
🏠 > ☰ (left directional button) > ⚙️ **Settings** > **Support** > **Open User guide**

You can view the embedded User guide that contains information about your Projector's key features.

✍️ You can download a copy of the User guide from Samsung's website to view or print on your PC or mobile device (<https://www.samsung.com>).

✍️ Some menu screens cannot be accessed from the User guide.

Using the buttons in the User guide



✍️ The image on your Projector may differ from the image above depending on the model and geographical area.

1 🔍 (Search)

Select an item from the search results to load the corresponding page.

2 ↻ (Recently Viewed Topics)

Select a topic from the list of recently viewed topics.

3 🗺️ (Site Map)

It displays the lists for each item in User guide.

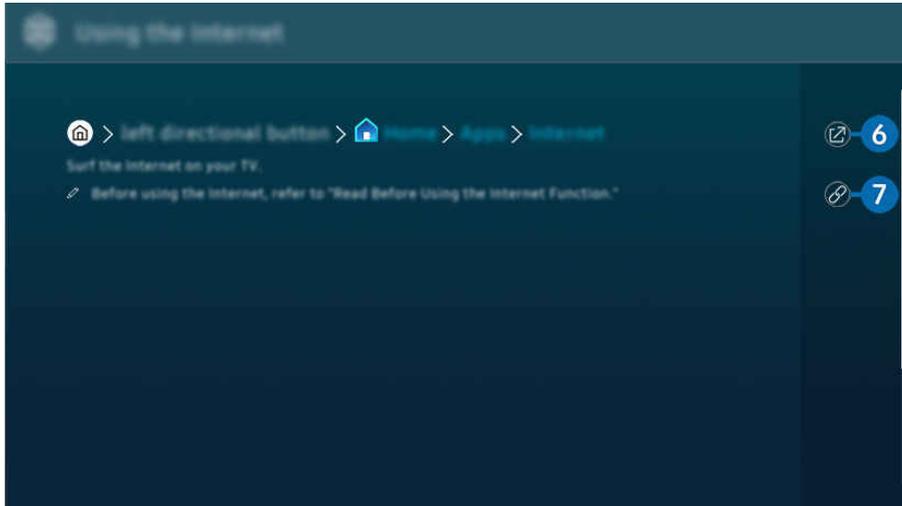
4 A-Z (Index)

Select a keyword to navigate to the relevant page.

 This function may not be supported depending on the model or geographical area.

5 Device Care

Optimise and diagnose the condition of your Projector. You can check and clean your storage space, diagnose problems or request technical support.



 Words in blue (e.g., [Internet](#)) indicate a menu item.

 The image on your Projector may differ from the image above depending on the model and geographical area.

6 (Try Now)

Allows you to access the corresponding menu item and try out the feature right away.

7 (Link)

Access an underlined topic referred to on an User guide page immediately.

Using the Internet

Surf the Internet on your Projector.

 > left directional button >  Home > Apps > Internet

 > left directional button >  Home > For You > Internet

When you run **Internet**, you can see recently viewed websites or featured recommendations. When you select a desired website, you can get immediate access to it.

 You can use the **Internet** function more easily after connecting a keyboard and mouse.

 You can scroll webpages with the directional button on the Samsung Smart Remote.

 The webpages may differ from those on a PC.

 Before using the **Internet**, refer to "Read Before Using the Internet Function".

 The **Internet** app has an embedded **Samsung Pass Settings** ( > left directional button >  Home > Apps > Internet > Internet Menu > Settings > Samsung Pass).

With **Samsung Pass**, you can log into the website easily and securely. When you visit the website again, you can log in with **Samsung Pass** Biometrics Authentication on your mobile device without entering your ID and password.

However, this **Samsung Pass** login may not work depending on the website policy. For this purpose, you must have been logged in the mobile device with a Samsung account registered in **Samsung Pass**.

Using SmartThings

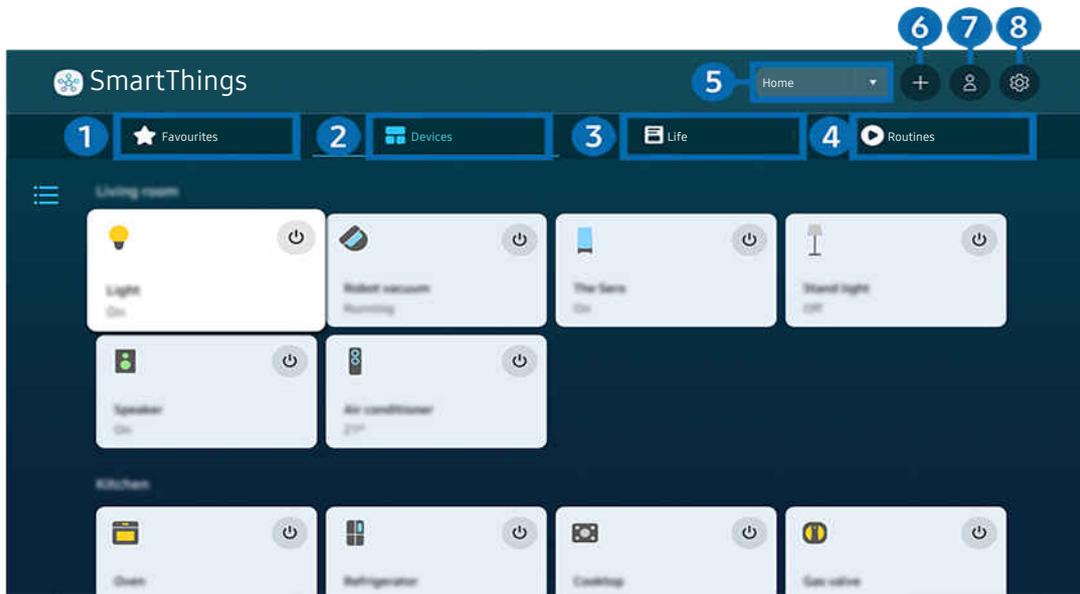
It allows the Projector to connect and control the detected various devices in the same space.

🏠 > ≡ (left directional button) > 📶 **Connected Devices** > 🏠 **SmartThings** [Try Now](#) [Try Now](#)

🏠 > ≡ left directional button > 🌿 **Daily+** > 🏠 **SmartThings** [Try Now](#) [Try Now](#)

You can control the devices registered to the SmartThings cloud and devices directly connected to this product with a remote control.

- ✎ This function may not be supported depending on the product or model.
- ✎ Functions that can be controlled by remote control may not work depending on the location of the device. In this case, move the location of the device.
- ✎ Power consumption may increase as SmartThings will operate when the Projector is a low power or standby mode.



✎ The image on your Projector may differ from the image above depending on the model and geographical area.

1 Favourites

View devices or features that have been set as favourites from the [Devices/Life/Routines](#) tab.

2 Devices

View devices connected to SmartThings, and use the remote control to select and control any of the connected devices. In [Map View](#), you can check the status of registered devices.

If you log in with the same account used for the mobile SmartThings app, you can view devices, registered through SmartThings, more intuitively from [Map View](#).

List of devices compatible with the Projector

Type	Description Detail
Devices for IR remote control (IR Sniffing)	Air conditioner, air purifier, robot vacuum cleaner, electric fan, humidifier
Bluetooth devices	Bluetooth speaker, headset, Soundbar, keyboard, mouse, game pad
SmartThings devices	For details on SmartThings devices, access https://www.smarththings.com/products .  SmartThings devices can also be controlled from the mobile app.

 For a detailed list of supported devices, visit www.samsung.com.

 This function may not be available depending on the external device.

3 Life

Displays recommended Life services that can be viewed or controlled from SmartThings.

 Only Life services supported by the Projector are displayed.

4 Routines

View or run scenes created from the [Routines](#) tab in the mobile SmartThings app.

5 Location or Device near Projector

- Place

Displays all places connected via the SmartThings app.

- **Devices near Projector**

Displays all the detected devices that can be connected and controlled.

You can run the control options after selecting a desired device.

 Available options may differ depending on the device.

6 Add Device

Displays the list of devices that can be registered on your Projector. You can register any by selecting a device.

7 Samsung Account

Go to the Samsung account screen to create a new account or sign out of your account.

 If you are signed out of your Samsung account, select **Sign In** to sign in.

8 Settings

Edit devices connected to **SmartThings**, or configure notification settings for the devices. You can also turn on the **Sensors** or the SmartThings hub feature.

SmartThings Quick access

Control most used devices by accessing the  **Connected Devices** menu, without having to access **SmartThings**.

 >  (left directional button) >  **Connected Devices**

Use the SmartThings Hub features Try Now

Use the SmartThings Hub features on various Samsung products to connect IoT devices (e.g., light bulbs, plugs, or sensors) that are supported by SmartThings.

 >  (left directional button) >  **Connected Devices** > **SmartThings** > **Settings** > **SmartThings Hub**

 SmartThings Dongle required to connect Zigbee/Thread.

 Make sure to log in to the same Samsung account on your Projector as your mobile SmartThings app.

 This function may not be supported depending on the connected device type.

Register and manage devices via SmartThings [Try Now](#)

Registering peripheral devices of the Projector

1. When there is a device detected near the Projector, a registration pop-up appears on the Projector screen.

 When there is no device detected, the pop-up may not appear.

 To connect a Bluetooth device, make sure that the device has been paired.

2. Select **Register** to register the device.

 To register an appliance, make sure that it uses IR and is detectable in the area around the Projector. Supported devices and options may differ depending on the model.

 Select **Close**. Then the device registration pop-up does not appear.

You can register a device in  >  (left directional button) >  **Connected Devices** >  **SmartThings** > **Add Device**.

  >  (left directional button) >  **Connected Devices** >  **SmartThings**, you can see available options for each device. [Try Now](#)

Supportable options may differ depending on the device.

Registering a Projector / Smart Appliance / IoT device from the mobile app

Use the mobile SmartThings app to register your Projector, smart appliances or various IoT devices. Some IoT devices can only be registered using this mobile app. In the mobile app, tap the + (Add Device) to register a device.

Connect a doorbell to your Projector, to receive a notification of the doorbell video and speak with the visitor while watching Projector.

 Only WWST (Works with SmartThings) certified doorbells are supported. Supported options may vary, depending on the device.

Use the screen's sensors via SmartThings [Try Now](#)

When you activate the sensor, you can see the sensor device on the SmartThings Device tab. You can create various IoT scenarios with Projector without purchasing a separate IoT sensor.

 >  (left directional button) >  [Connected Devices](#) > [SmartThings](#) > [Settings](#) > [Sensors](#)

 Each sensor can be activated with user consent.

 Each sensor may not be supported depending on the model.

 The sound sensor is supported when the microphone switch at the bottom of the Projector is turned on. The Projector microphone may not be supported, depending on the model and region.

Control SmartThings with Bixby [Try Now](#)

With Bixby on the product, you can control devices connected to SmartThings, as well as the Projector, using voice commands.

 This function may not be supported depending on the connected device type.

Control the display device from the mobile SmartThings app [Try Now](#)

From the mobile SmartThings App, use the Projector remote control functionality, such as On/Off, Channel, Volume, and four directional buttons. You can also use [Search](#), [Apps](#), [Ambient](#) mode, Mobile Cam, and other functions from the mobile app.

[Routines](#) in the mobile SmartThings app allows you to automatically run apps installed on the Projector.

With [Routines](#), you can turn on the Projector at your desired time and automatically run frequently used apps.

Playing pictures/video/music

Play media content stored on your Projector, USB devices, mobile devices, cameras, PCs, etc.

 >  (left directional button) >  **Connected Devices** > Connected Device 

You can play media content saved on storage devices, such as USB devices, mobile devices and cameras on the Projector.

 You cannot play media content if the content or the storage device is not supported by the Projector. For more information, refer to "[Read Before Playing Photo, Video or Music Files](#)".

 Backup important files before connecting a USB device. Samsung is not responsible for damaged or lost files.

You can use the following functions on the media content list screen of a storage device.

- **Filter By**

Filters the media content by type of media.

- **Sort By**

Sorts the content list.

 This function may not be supported depending on the type of external device.

- **Options**

Deletes or plays the selected media content in the media content list. When you select **Refresh**, the content list is reloaded.

 You can delete only the recorded content. To delete content, change the **Filter By** option to **Recorded**.

 **Recorded** may not be supported depending on the geographical area.

Playing multimedia content on a PC or mobile device

1. Select a device with media content in  >  (left directional button) >  **Connected Devices** > Sources. The media content list in the device appears.
2. Select a media content item from the list.

The selected content is played.

-  The content may not be played depending on the encoding method or file format. Furthermore, several functions may be restricted.
-  Content on devices connected to the Projector via your network may not play smoothly due to network communication problems. If this occurs, use a USB device.

Playing multimedia content on a USB device

1. Connect a USB device to the USB port.
2. There is a content list browser shown directly.
 -  If a USB device that contains the content you want to play is already connected to the Projector, select the USB device in the  >  (left directional button) >  **Connected Devices** > Sources screen.
3. Select a content item to play from the list.

The selected content is played.

Listening to your mobile device sound through the Projector speaker using Sound Mirroring

Enjoy listening to music in your living space. Visualisations are generated on your Projector that alter and respond to the frequency of your music.

1. Search for and connect to your Projector from the  (Bluetooth) device list on your mobile device.
2. Select media content to play on your mobile device.

The selected media is played through the Projector speaker.

-  This function may not be supported depending on the model.
-  In some models, the image of the played content may differ depending on the mode.
-  If the Projector and the soundbar are connected wirelessly, the operation may be restricted.

Buttons and functions available while playing multimedia content

Press the Select button while playing any video, photo or recorded content. The following buttons appear.

-  The provided buttons and functions may not be supported depending on the model or geographical area.
-  The available buttons and functions may differ with the content you are viewing or playing.

- **Pause / Play**

Pauses or plays the multimedia content.

- **Jump Backward / Jump Forward**

Press the up directional button to move the focus to the playback control bar, and then select the left or right directional button in the playback control bar to move backward or forward by 10 seconds in the video.

- **Move to a specific playback section, move up the focus on the playback bar, and then select one of the five thumbnails.**

-  This function may not be supported depending on the file format.

- **Stop**

Stop the contents being played.

- **Previous / Next**

Displays the previous or the next multimedia content file.

If video playback time is 3 seconds or shorter and you press the  button, the video starts from the beginning.

- **Rewind / Fast Forward**

Rewinds or fast forwards the multimedia content. To increase the rewind or fast forward speed up to 3 times faster than normal, select the button repeatedly. To return to normal speed, select the  option or press the  button.

You can use the following functions when the video is paused. Note that with the video paused, the Projector does not play audio.

- **Slow Rewind or Slow Forward:** Allows you to play a video slowly backward or forward by selecting the  or  option. There are 3 playback speeds. To change the playback speed, press the option repeatedly. To return to normal speed, select the  option or press the  button.

- **360 Mode**

Provides a 360-degree view for videos and photos.

-  This function may not be supported depending on the file format.
-  Video files using the mjpeg codec do not support a 360-degree view.
-  When a video or photo does not support a 360-degree view, applying 360 rotation to it may cause the screen to look distorted.
-  Videos may be interrupted if 360 rotation is applied during double speed playback.
-  Videos that support a 360-degree view may be interrupted if 360 rotation is simultaneously applied with other functions during playback.
-  This function may not be supported for some resolutions.
-  This function may not be supported depending on the model.

- **360 Auto Rotation**

Automatically adjusts the video's viewing angle by analysing the amount of image changes during playback of a video file that provides a 360-degree view. When this function is started, the rotation starts in a short time.

When **360 Auto Rotation** is focused, press the Select button to change to the following modes:

-  General
-  Dynamic
-  Natural

-  This function is only available when **360 Mode** is selected.
-  When **360 Auto Rotation** is activated, automatic adjustment is followed. The adjustment position may differ depending on the image.
-  The video's viewing angle is manually adjusted in General mode.
-  This function may not be supported depending on the file format.
-  Video files that use the mjpeg codec do not support a 360-degree view.
-  When a video does not support a 360-degree view, applying 360 rotation to it may cause the screen to look distorted.
-  Videos may be interrupted if 360 rotation is applied during double speed playback.
-  Videos that support a 360-degree view may be interrupted if 360 rotation is simultaneously applied with other functions during playback.
-  This function may not be supported for some resolutions.
-  This function may not be supported depending on the model.

- **Repeat**

Plays the current multimedia content repeatedly or all multimedia content files in the same folder repeatedly.

- **Shuffle**

Plays music files in random order.

- **Picture Off**
Plays music files with the screen off.
- **Fit to Screen**
Fits a photo to the screen.
- **Rotate left / Rotate right**
Rotates a photo left or right.
- **Zoom**
Zooms in a photo.
- **Background Music**
Pauses or resumes the background music while the Projector displays photos.
 This function is available after enabling the **Background Music** option.
- **Options**
 The available options may differ with the model and content.

Function	Description
Slideshow Speed	Sets the slideshow speed.  If there is only one image file in the USB device, the slide show is not played.
Slideshow Effect	Applies transition effects to the slide show.  If there is only one image file in the USB device, the slide show is not played.
Background Music	Plays background music as you set in the pop-up window while the Projector displays photos.  The music files must be saved in the same USB device as the photo files.  To pause the background music, select Background Music on the playback screen bottom.
Subtitles	You can set the detailed subtitle options such as the language, sync, size and colour.  If subtitles are not displayed correctly, check the encoding setting.
Rotate	Rotates the video.
Audio Language	Changes the audio language.  This function is only available if the video supports multi-track sound.
Information	Displays detailed information about the current multimedia content.

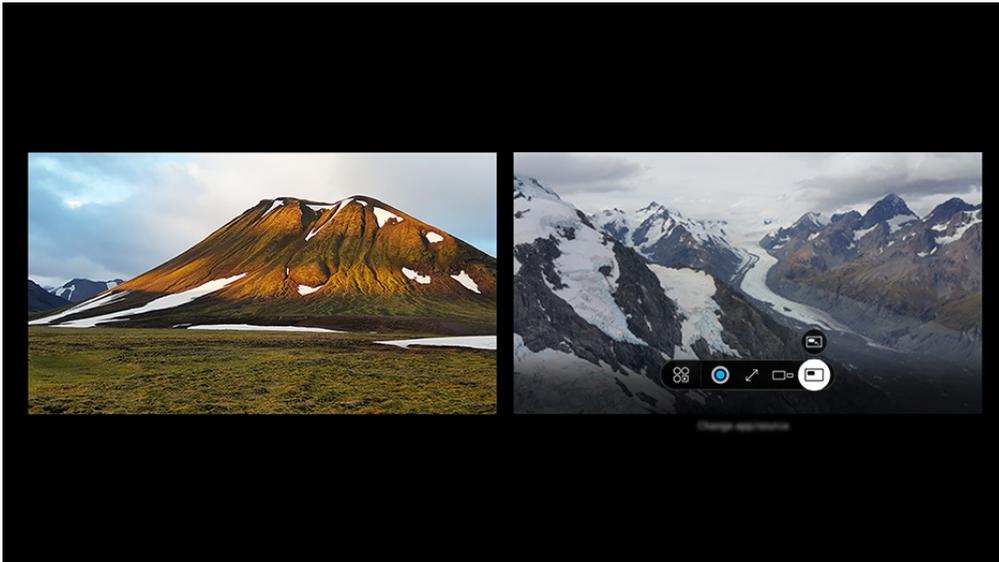
Using Multi View

You can view multiple content items through Multi View.

🏠 > ≡ (left directional button) > ⚙️ **Settings** > 📺 **Multi View** Try Now

✎ This function may not be supported depending on the model.

To start **Multi View**, navigate to 🏠 > ≡ (left directional button) > ⚙️ **Settings** > 📺 **Multi View**. Next, select the item you want from the Add View list. Or select **Make My Own** to configure a custom layout and screen. You can add or delete a screen in the current **Multi View** screen by pressing the down directional key on the Samsung Smart Remote. To add a screen, while in **Multi View** mode, select 📺 **Add View** at the bottom right to add the screen you desire.



✎ The image on your Projector may differ from the image above depending on the model and geographical area.

When **Multi View** is running, press the Select button to configure the following menus.

✎ This function and the provided options for each menu icon may not be available depending on the model and region.

- 📺 **App/Source**

You can select from the content list displayed above.

- **Content**

You can view the currently displayed app or source.

✎ After selecting a content item, you can control the screen or change the app and source.

-  **Maximise**
View the selected screen in full screen mode.
-  **Return to Multi View**
Reduce the maximised screen to the original size, and return to the **Multi View**.
-  **Screen Size**
Selects the desired size of **Multi View**.
-  **Screen Position**
Selects a position of the **Multi View** screen.
-  **Picture-in-Picture**
Selects the position of a small screen on the full screen. The focusing left or right screen appears as small window.
-  **Double Audio**
You will hear the sound of both screens at the same time by adjusting the ratio of each screens sound.
-  **Bluetooth Speaker**
You can hear the sound by connecting the Bluetooth speaker.
-  **Full Screen**
Multi View is ended and then the full screen appears.
-  **Delete**
You can delete the selected screen.

To close **Multi View**, press and hold the  button or press the  button on the Samsung Smart Remote.

-  This function operates only by Projector broadcasts, external devices, or apps that support **Multi View**.
-  While running **Multi View**, app casting from your mobile device is run on **Multi View**. This function is not available in some apps.
-  In some models, you can view the image on the camera connected to the SmartThings app of your mobile device.
-  Q-Symphony is not supported by **Multi View**.
-  When an external device that connects to a receiver or Soundbar is used in **Multi View**, sound outputs from the Projector speaker, not from the receiver or Soundbar.

Using Bixby

Set Voice Assistant to Bixby. Speak into the microphone on your Samsung Smart Remote or Projector to control your Projector.

-  This function is available only if Voice Assistant is set to Bixby. (🏠) > ☰ (left directional button) > ⚙️ [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Voice](#) > [Voice Assistant](#) [Try Now](#)
-  Bixby is available only when the Projector is connected to the network.
-  To use Bixby, you must register and sign in to your Samsung account. Some functions may not be supported if you are not signed in to your Samsung account.
-  Bixby only supports some languages and the supported functions may differ depending on the geographical area.
-  Bixby may not be supported depending on the model or geographical area.
-  The microphone on Projector is not supported depending on the model or geographical area.

Starting Bixby with voice

You can immediately start a conversation with Bixby by saying "Hi, Bixby". Say "Hi, Bixby", and the Bixby icon at the bottom of the Projector screen is activated in Listen mode. Continue speaking.

-  When the distance to the Projector is within 3 to 4 m, optimal performance is provided. If Bixby does not answer, refer to "[I spoke "Hi, Bixby/Alexa" but Bixby/Alexa does not answer."](#) in "Troubleshooting".
-  This function may not be supported depending on the model or geographical area.

Starting Bixby using buttons on the Samsung Smart Remote

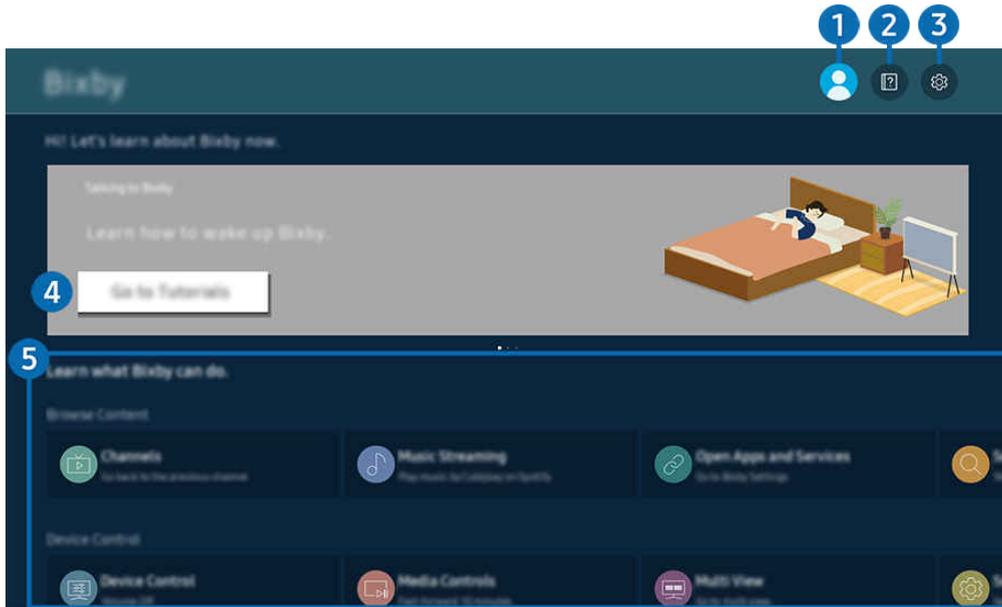
You can have conversation with Bixby using the Samsung Smart Remote buttons. Press and hold the  button on your Samsung Smart Remote, say a command, and then release the  button.

For details on how to use Bixby, press the  button once:

- When you press the  button, the  icon appears at the bottom right of the screen. Press the Select button to go to the [Discover Bixby](#) screen.



Learning about the Discover Bixby Screen



 The image on your Projector may differ from the image above depending on the model and geographical area.

1 Account

Log out after going to the [Samsung Account](#) screen.

 If you are signed out of your Samsung account, select  [Account](#) to sign in.

2 Tutorials

View tutorials related to the Bixby.

3 Settings

You can change the settings for using Bixby.

 These functions may not be supported depending on the model or geographical area.

 These functions can be set in [Bixby Settings](#) ( >  >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Voice](#) > [Bixby Settings](#)). [Try Now](#)

- **Voice Wake-up**

Configure settings on how to wake up Bixby with your voice. You can configure the following settings: [Hands-free wake-up](#), [Using your voice with a Soundbar's microphone](#), [Wake-up phrase](#), [Talk to Bixby without wake-up](#), and [Wake-up Sensitivity](#). (🔊) > ⚙️ [Bixby Settings](#) > [Voice Wake-up](#))

- ✎ The **Voice Wake-up** function may not be supported depending on the model or geographical area.
- ✎ This function can be used only when the microphone switch at the bottom of the Projector is active. The microphone on Projector is not supported depending on the model or geographical area.
- ✎ When the distance to the Projector is within 3 to 4 m, optimal performance is provided. If Bixby does not answer, refer to "[I spoke "Hi, Bixby/Alexa" but Bixby/Alexa does not answer.](#)" in "Troubleshooting".

- **Language and voice style**

You can change Bixby's language and voice style.

- ✎ The languages of the Projector and other apps will not change.
- ✎ Bixby only supports some languages.
- ✎ This function may not be supported in Bixby depending on the language selected.

- **Bixby Feedback**

Play a sound when Bixby starts and stops listening.

- ✎ This function may not be supported depending on the model or geographical area.

- **Preferred Services**

Bixby will prioritise your preferred services for certain commands, but you can use any service by including its name in you command.

- ✎ This function may not be supported depending on the model.

- [Privacy](#)

You can permit or prohibit Bixby from utilising your personal information when you are using Bixby services.

- [About Bixby](#)

Displays the detailed terms and conditions.

4 Recommended commands

Displays recommended commands you can use to control the Projector with Bixby given the current context.

If you do not want to see the recommended commands, set [Voice Hint](#) to [Off](#). (🏠 > ≡ (left directional button) > ⚙️ [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Voice](#) > [Voice Hint](#)) [Try Now](#)

5 All Services

You can learn the voice commands that let you use Bixby in various situations. Use the directional buttons to move to the desired command, and then press the Select button. You can operate the Projector with various voice commands.

Read Before Using Bixby

- The supported voice interaction languages and features may differ depending on the geographical area.
- If the language set differs from the language of your country, some features are not available.
- Bixby is available only when the Projector is connected to the network.
- Even if the Projector is connected to the network, there may be no response due to a Bixby server error.
- The existing functional specifications may be changed if Bixby is updated.
- Bixby is available only on Projectors that support it and come with remote controls that have a microphone.
- Symbols including "-" and special characters are not supported. Consequently, if a word or sentence contains numeric values or symbols, the function may not operate properly.
- Searched results may not provide complete results.
- You may be required to pay for some apps. Consequently, you may encounter a service application or contract.
- To change the current channel by saying channel names as voice commands, you must finish [Find Your Service Provider](#). [Find Your Service Provider](#) can be set in  >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Broadcasting](#) > [Service Provider Info & Settings](#). [Try Now](#)

If the settings for the service provider are not configured yet, configure them in  >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Factory data reset](#). [Try Now](#)

 Service provider settings in initial setup may not be supported on geographical area.

- To use the voice text input function and the search function, you must consent to provisions allowing third parties to collect and use your voice data.
- To use the Bixby function, you must:
 - Agree to Smart Hub's Terms of Use.
 - Agree to a guidance regarding the collection and use of personal information for the Smart Hub service.
 - Consent to the collection and use of personal information for the voice interaction-based service.

Provisions for using Bixby

- The voice interaction rate differs with the volume/tone, pronunciation and ambient sound environment (Projector sound and ambient noise).

Using the Game Bar

Control the Game Settings Monitoring and Game Enhancer Settings easily by using the Game Bar.

 This function may not be supported depending on the model.

Starting the Game Bar

When **Game Mode** (🏠) > ≡ (left directional button) > ⚙️ **Settings** > **All Settings** > **Connection** > (**Game Mode Settings**) > **Game Mode** is **On** or **Auto**, press and hold the 🎮 button on your Samsung Smart Remote to start the Game Bar. [Try Now](#)

Learning about the Game Bar



 The image on your Projector may differ from the image above depending on the model and geographical area.

1 Game Genre

Specify the Game Picture Mode according to the current game genre. To customise the picture quality, select **Custom 1** or **Custom 2**.

2 Screen Ratio

You can change the screen ratio from **16:9** (previous setting) to Ultra wide (**21:9** or **32:9**).

-  You have to set the resolution from your PC only once at first time.
-  The **Game Bar**'s Screen Ratio can be changed only when the Ultra Wide resolution is supported in a game or PC. Whether or not to support the screen ratio of **21:9** and **32:9** depends on the title of the game so be sure to consult the game company.

3 Minimap Zoom

Use the directional buttons and Select button on the remote control to zoom in on specific areas of the game screen and adjust the zoom rate.



- For the Minimap supported resolution, refer to the table below.

Game Bar Screen Ratio	Resolution set in PC
16:9	3840 x 2160 (60 Hz)
21:9	2560 x 1080 (60 Hz) 3840 x 1600 (60 Hz)
32:9	3840 x 1080 (60 Hz)

4 Game Motion Plus

Turn on this function to obtain a softer and clearer picture quality when playing a role-playing game (RPG) or adventure game which involves many dynamic scenes.

5 More settings

Configure specific settings to suit your preferences.

6 Virtual Aim Point

You can see the virtual aim point on the screen.

7 Sound Output

Change the sound output device. (e.g. Projector Speaker, Soundbar, Bluetooth headset, etc.)

8 Help guide

View details on how to use each menu item.

9 Current status display

- **Input Lag**: Shows the status of game input lag.
- **Resolution**: Shows the resolution of the currently running game.
- **FPS**: Shows the number of frames per second in real time. If **VRR** is active, the frame rate changes.
- **HDR**: Shown as **On** when an HDR game is running.
- **VRR**: Shows the variable refresh rate.

Setting the Super Ultra Wide Game View

Set your PC Screen resolution to match the selected Screen Ratio in the **Game Bar** before activating the **Super Ultra Wide Game**.

If the Projector is connected to a computer and **Game Mode** is set to either **ON** or **Auto**, the wide screen (**21:9** or **32:9**) is activated from the **Game Bar**.

-  This function may not be supported depending on the model and geographical area.
-  Check if the game supports Ultra Wide resolution (**21:9** or **32:9**).
-  If you set the resolution on your PC for the first time, you can change the Screen Ratio through the **Game Bar** on your Projector.

Game Bar Screen Ratio	Resolution set in PC
21:9	3840 x 1600 (60 Hz)
	2560 x 1080 (60 Hz)
32:9	3840 x 1080 (60 Hz)

-  The supportable resolutions may differ depending on the model or HDMI port connected to the PC.
 -  After setting the resolution, check if the PC's Window or Mac screen changes when you change the Screen Ratio on the **Game Bar** of your Projector.
 -  This function may not be supported depending on the OS or device.
 -  If the connected external device is a gaming device, the function does not work even if you change the name of Source to "PC".
- ⚠ While you are playing a game, the screen ratio cannot be changed. Before running a game, first select the desired screen ratio on the Game Bar and then run the game. For some games, you need to match the game resolution with the selected screen ratio in the Game Bar.**

Changing the Super Ultra Wide Screen position

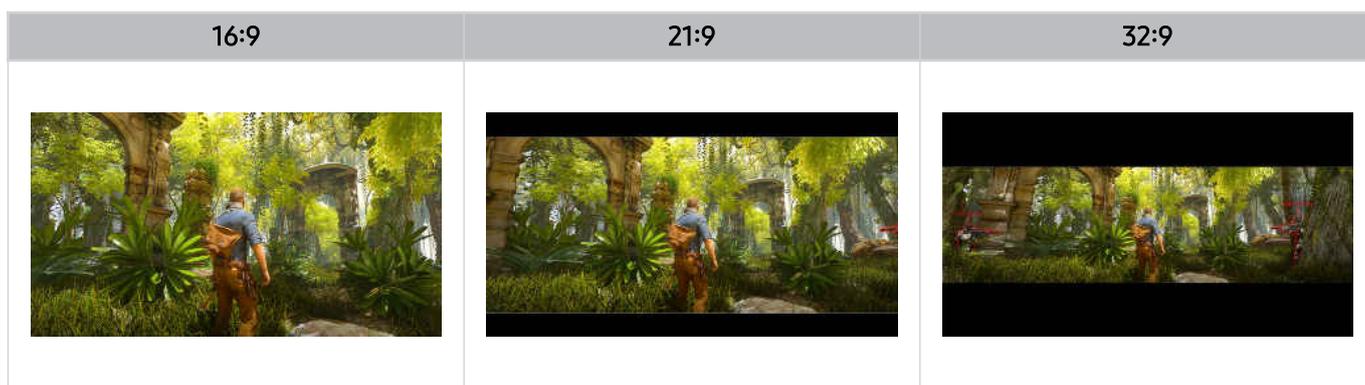
When playing a game at the Super Ultra Wide resolution, you can adjust the game screen position to the height of your eyes.

At the Super Ultra Wide resolution, use the \wedge/\vee (channel) buttons to move the screen position to the top, centre, or bottom.

Troubleshooting of the game screen and audio problems

After changing the Screen Ratio on the [Game Bar](#), if the game screen and sound are not output properly, try to solve the problems as shown below.

- Check to see if the game supports Ultra Wide or your PC supports the Ultra Wide resolution.
- Restart the game after exiting it.
- Select the same resolution as that of the [Game Bar](#).
- When the Screen Ratio changes properly, the screen appears as shown below.



Projector Viewing

You can use convenient features while watching Projector. Additionally, You can also edit your list of channels and create a list of favourite channels.

Using the Guide

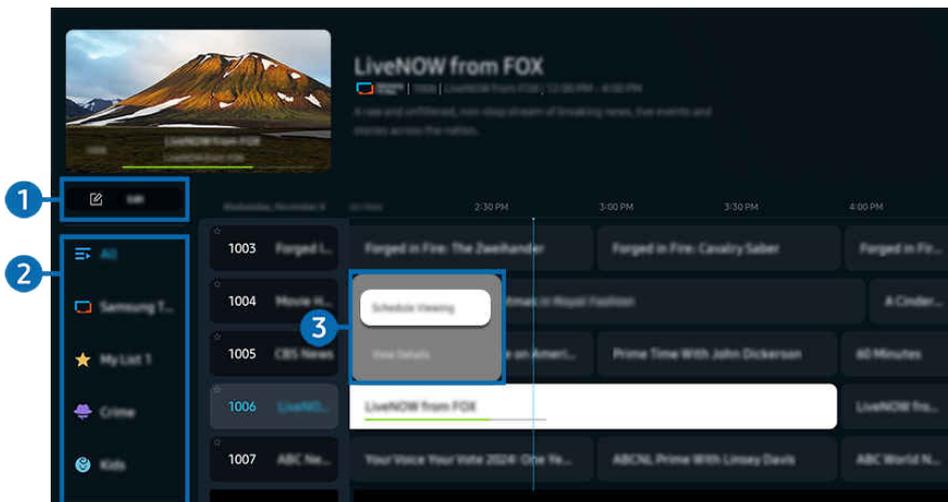
See the programming schedules of different channels on a single screen.

Press the ^/∨ (channel) button to access the **Guide**.

In the **Guide**, you can see the daily programme schedules for each station, see programme information, choose a programme to watch, and set up a schedule viewing.

- ✎ Service Provider settings in initial setup may not be supported on geographical area.
- ✎ To view **Guide**, you must first configure **Clock** (🏠) > ≡ (left directional button) > ⚙️ **Settings** > **All Settings** > **General & Privacy** > **System Manager** > **Time** > **Clock**. **Try Now**
- ✎ For details on how to use the remote control, refer to the image guide at the top right.

About the Guide screen



- ✎ The image on your Projector may differ from the image above depending on the model and geographical area.

1 Edit Channels

Edit channels stored on the Projector.

- ✎ For more information, refer to "[Using the channel edit function](#)".

2 Channel Filter

View channels and programmes classified by type.

3 Additional options related to broadcast programmes

Navigate to the desired programme and press and hold the Select button to access the following options:

 These functions may not be supported depending on the model or geographical area.

- **Schedule Viewing**

You can schedule the viewing of a broadcast scheduled programme.

- **Cancel Scheduled Viewing**

You can cancel scheduled viewings.

- **View Details**

You can see detailed information about the selected programme. The information may differ or may not be provided depending on the broadcast signal.

Using additional features from the Guide

From the **Guide**, press either the  button to use additional features.

 These functions may not be supported depending on the model or geographical area.

- **Channel Filter**

You can view channels and programmes categorised by the types defined in **Channel List**.

- **Schedule Manager**

You can see the **Schedule Manager** screen.

 For more information about **Schedule Viewing**, refer to "Setting Up Schedule Viewing".

Setting Up Schedule Viewing

Configure the Projector to show a specific channel or programme at a specific time and date.

-  This function may not be supported depending on the model or geographical area.
-  The  appears next to programmes that have been configured for a scheduled viewing.
-  To set up a schedule viewing, you must first set the Projector's clock ( >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [System Manager](#) > [Time](#) > [Clock](#)) and set the time. [Try Now](#)

Using the schedule viewing options from the guide screen

On the [Guide](#) screen, select a programme you would like to view, press the Select button, and then select [Schedule Viewing](#) in the pop-up menu that appears.

Using the schedule viewing options while watching a programme

1. Press the Select button while watching Projector.
2. The programme Info window appears.
3. Select a programme that will be broadcast using the left or right directional buttons.
4. Press the Select button, and then select [Schedule Viewing](#) to schedule viewing of that programme.

Using the viewing schedule management screen

1. On the Samsung Smart Remote, press the  button.
2. Use the directional buttons to navigate to the control pad.
3. Select either [Schedule Manager](#) to access the [Schedule Manager](#) screen.

 Displayed menu options may vary depending on the model or geographical area.

- [Schedule Viewing](#)

Navigate to [Schedules](#) and press [Schedule Viewing](#). Add, edit, or cancel a programme viewing schedule.

 Up to thirty [Schedule Recording](#) and [Schedule Viewing](#) events may be created.

 Ensure that the Projector's [Clock](#) () >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [System Manager](#) > [Time](#) > [Clock](#) setting is correct. [Try Now](#)

- [Edit](#)

You can set the start time of a scheduled viewing. If you choose a programme from the [Guide](#), the [Start Time](#) can be set to up to 10 minutes before the programme.

- [Delete](#)

You can delete scheduled viewings.

- [View Details](#)

You can view detailed information about scheduled viewings.

Using the Channel List

Change the channel or check programmes on other digital channels.

Use the **Channel List** screen to change channels or see what programmes are being broadcast on other digital channels.

Accessing the channel list

Press and hold the \wedge/\vee (Channel) button to open the **Channel List**.

Using the functions on the channel list screen

The **Channel List** screen icons indicate the following:

- ★: A favourite channel.
- 🔒: A locked channel.

Press the left directional button while in the **Channel List** screen to access the following options:

- **Edit Channels**

Edit the channels stored on your Projector.

- **All Channels**

Displays the channels that have been automatically searched.

- **Samsung TV Plus**

While the Projector is connected to the Internet, you can watch popular programmes or highlights for each theme through a virtual channel at any time. As with regular channels, the Projector provides the daily programme schedules for **Samsung TV Plus**.

 This function may not be supported depending on the model or geographical area.

- **Channel Type**

Filters the list so that it includes channels of a selected type. However, **Channel Type** can only be used channels contain the type information.

 This function may not be supported depending on the incoming broadcast signal.

- **Favourites**

Displays favourite channels from **Favourites 1** through **Favourites 5**.

 It displays only the **Favourites** that includes the Favourite channel.

Using the channel edit function

Edit the channels stored on your Projector.

Accessing the channel edit screen

- Display the [Guide](#) screen, and press [Edit Channels](#) on the left of the screen to access the edit-channel screen.
- Display the [Channel List](#) screen, and press [Edit Channels](#) on the bottom of the screen to access the edit-channel screen.

Using the channel edit functions

The [Edit Channels](#) screen icons indicate the following:

- ★: A favourite channel.
- 🔒: A locked channel.

Select a channel from the [Edit Channels](#) screen to access the following options:

- [Lock / Unlock](#)

Restrict access to channels that require parental guidance. Locked channels can only be accessed by entering the PIN.

 If you want to use this function or set the password, set  >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Parental Settings](#) > [Apply Channel Lock](#) to [On](#).

 For more information on setting the PIN, refer to "[Setting up a password](#)".

- [Delete](#)

After selecting a target channel to remove in [Edit Channels](#), select [Delete](#). Removed channels are not displayed in the [Channel List](#).

- [Change Number](#)

After selecting a channel to change in [Edit Channels](#), select [Change Number](#) to change the channel number.

 This function may not be supported depending on the model or geographical area.

 When a channel number is changed, its channel information is not updated automatically.

- [Restore Samsung TV Plus](#)

You can restore the deleted [Samsung TV Plus](#) channels.

 This function may not be supported depending on the model or geographical area.

- [Save and Exit](#)

Save the changes made under [Edit Channels](#) and exit.

Using a Personal favourites List

Create frequently watched channels as favourite channels.

On the [Edit Channels](#) and [Channel List](#) screens, the ★ icon appears next to favourite channels.

Creating a Favourites List

1. Access the [Edit Channels](#) screen.

 For details on how to access the channel edit screen, refer to "[Accessing the channel edit screen.](#)"

2. Press the left directional button on the remote control to select the desired [Favourites](#).
3. Press the right directional button to select [Add Channels](#).
4. Select the desired channel in the list on the screen.
5. Press [Add](#) to add the selected channel to the favourites list.

Select [Favourites 1 - Favourites 5](#) on the [Edit Channels](#) screen and the following functions are available.

 Up to five Favourites can be created, which allows each member of the family to create their own favourites list.

- [Add Channels](#)

In the channel list, select one or more channels to add in the favourite list and then select [Add Channels](#).

- [Remove](#)

Removes one or more channels from a favourites list.

- [Change order](#)

Changes the order of one or more channels selected in a favourites list.

- [Rename Favourites](#)

Renames a favourites list.

- [Save and Exit](#)

Saves and closes the [Edit Channels](#) screen.

Projector-Viewing Support Functions

Use the functions that are available while watching Projector.

Using Programme Rating Lock

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Parental Settings](#) > [Programme Rating Lock](#) [Try Now](#)

 This function may not be supported depending on the model or geographical area.

This function is useful for controlling what programmes children can watch on the Projector based on their ratings. [Programme Rating Lock](#) does not, however, block programmes originating from external sources, such as Blu-ray players, DVD players or USB files.

Every time you access [Programme Rating Lock](#), you must enter the security PIN. You must also enter this PIN to watch a blocked programme. The default PIN is "0000" (for France and Italy: "1111"). To change the PIN, go to  >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [System Manager](#) > [Change PIN](#). [Try Now](#)

 For more information about how to set your password, refer to "[Setting up a password](#)".

 [Programme Rating Lock](#) may not be supported depending on your input signal.

 The default PIN may differ depending on the geographical area.

Picture and Sound

You can change the settings for the picture and the sound according to your preference.

Using Intelligent Mode

Let the Projector analyse the surrounding and the content you are watching so that it can provide an upgraded viewing experience.

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Intelligent Mode Settings](#) > [Intelligent Mode](#) [Try Now](#)

In [Intelligent Mode](#), the Projector recognises and analyses the surroundings, noise, the content and your usage patterns to provide the best viewing experience. You can turn the options below on or off. Create your preferred viewing environment.

 This function may not be supported depending on the model or geographical area.

- [Adaptive Picture](#) [Try Now](#)

- [Vision Boost](#)

- Optimises brightness and provides the best picture quality in real time, based on the light level in your room and the content you're viewing.

- [Active Voice Amplifier Pro](#)

- Analyses ambient noise and provides optimal sound depending on the noise.

-  This function is available only when the microphone switch at the bottom of the Projector is active and the sound output is set to [Projector Speaker](#). The location of the microphone switch may vary depending on the model or geographical area. The microphone on Projector is not supported depending on the model or geographical area.

-  While using this function, the Projector does not save the data.

-  This function may not be supported by some modes or apps (e.g., [Game Mode](#)).

- **Adaptive Sound Pro**

Provides optimised sound quality by analysing the viewing space and the acoustic components of the content.

-  This function can be used only when the microphone switch at the bottom of the Projector is active and the sound output is set to **Projector Speaker**. The microphone on Projector is not supported depending on the model or geographical area.
-  While using this function, the Projector does not save the data.
-  This function may not be supported by some modes or apps. (For example, **Ambient** Mode, **Game Mode**, **Art** Mode and apps that control the Projector sound)
-  This function may not be supported depending on the model.
-  The name of this function may appear differently depending on the model.

- **Adaptive Volume** [Try Now](#)

Automatically adjusts to a specific volume level while you are watching Projector. The Projector analyses your volume usage history by time period to automatically adjust the volume when you use an app or switch to an external input source.

-  This function is only available when the sound output of the Projector is set to **Projector Speaker**.
-  This function may not be supported by some apps or external devices.
-  This function's operation affects **Auto Volume** function, but it does not work the other way around.
-  This function operates based on your volume usage history and may not operate if the volume usage history by time period is insufficient.
-  The amount of difference made by this function does not exceed +/- 5 levels from the current volume and this function does not change the current volume if it exceeds 40.

Adjusting the Picture Quality

Change the [Picture Mode](#) and adjust [Expert Settings](#).

Choosing a picture mode

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [Picture](#) > [Picture Mode](#) [Try Now](#)

You can select the [Picture Mode](#) that provides the best viewing experience.

 [Entertain](#) and [Graphic](#) are supported only when you change the external device name to PC in PC mode.

- [Dynamic](#)

Makes the picture brighter and clearer in bright viewing environments.

- [Standard](#)

Is the default mode suitable for general viewing environments.

- [Movie](#)

Is suitable for watching Projector or movies in a dark room.

- [FILMMAKER MODE](#)

This screen mode provides picture quality certified by UHD Alliance. The image defined as [FILMMAKER MODE](#) automatically switches to [FILMMAKER MODE](#) while watching.

 This function may not be supported depending on the model or geographical area.

 [FILMMAKER MODE](#) may look darker than other picture modes.

 You can change [FILMMAKER MODE](#) to a different [Picture Mode](#). However, the changed [Picture Mode](#) will be maintained even after watching the picture defined by [FILMMAKER MODE](#).

 [FILMMAKER MODE](#)™ logo is a trademark of UHD Alliance, Inc.

Configuring advanced picture settings

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [Picture](#) > [Expert Settings](#) [Try Now](#)

Configure the screen settings to your taste by using the following functions:

- [Brightness](#) [Try Now](#)
Adjust the overall picture brightness. The closer to 50, the brighter the picture.
- [Contrast](#) [Try Now](#)
Adjust the difference between the darkest and brightest areas between objects and their background. The closer to 50, the larger the difference.
- [Sharpness](#) [Try Now](#)
Adjust the outline sharpness of objects. The closer to 20, the sharper the object outlines.
- [Colour](#) [Try Now](#)
Adjust the chroma of a video. The closer to 50, the deeper the colours.
- [Tint \(G/R\)](#) [Try Now](#)
Adjust the colour tone. The higher either value, the redder or greener the video.
- [Apply Picture Settings](#) [Try Now](#)
Apply the selected picture settings to the current input source or all input sources.
- [Picture Clarity Settings](#) [Try Now](#)
Optimise a video that has many dynamic scenes.
- [Contrast Enhancer](#) [Try Now](#)
Automatically adjust the contrast to prevent excessive brightness differences between brighter and darker areas.

- **Auto HDR Remastering** [Try Now](#)

Enjoy HDR-like picture quality – even with SDR content.

 This function may not be supported depending on the model or geographical area.

- **HDR Tone Mapping** [Try Now](#)

Automatically adjusts the brightness with tone mapping processing according to the HDR content information.

 This function may not be supported depending on the model or geographical area.

- **Film Mode** [Try Now](#)

Touch up an old video to improve the picture quality for a better viewing experience.

 This function is only available when the input signal is Projector, or HDMI (1080i).

- **Colour Tone** [Try Now](#)

Select an appropriate colour tone, according to the viewing situation.

- **White Balance** [Try Now](#)

Adjust the brightness of the colours red, green and blue so that the brightest area of the picture becomes white.

- **Gamma** [Try Now](#)

Adjust the medium brightness of a video.

- **Shadow Detail** [Try Now](#)

Adjust the brightness of a dim picture. The closer to 5, the brighter the dim picture.

- **Colour Space Settings** [Try Now](#)

Select a range of colours that can be expressed on the picture.

- **Colour Booster** [Try Now](#)

Select a range of colours that can be expressed on the picture.

 This function may not be supported depending on the model or geographical area.

- **Smart Calibration** [Try Now](#)

Automatically adjust the picture quality of a movie to obtain the quality intended by the movie producer.

 This function may not be supported depending on the model or geographical area.

To use this function, use a Smartphone that is compatible with the function. The list of compatible models is shown below.

- Galaxy models: Galaxy S, Galaxy Note, Galaxy Fold, and Galaxy Flip Series models that were released after January 2019
- iPhone models: Models with a Face ID function that were released after January 2019

 Supported models may differ depending on the situation.

- **Peak Brightness**

Adjust the maximum brightness for a brighter screen.

 The displayed colours may look different from the original ones.

 This function may not be supported depending on the model or geographical area.

- **Reset Picture** [Try Now](#)

Reset the picture settings to the default values.

Picture Support Functions

Configure the picture settings for your Projector.

Changing the picture size settings

 >  (left directional button) >  **Settings** > **All Settings** > **Picture** > **Picture Size Settings**

Try Now

- **Picture Size** **Try Now**

You can change the size of the picture displayed on the Projector screen to **16:9 Standard**, **Custom** or **4:3**.

 Supported picture sizes differ with the input signal. For more information about supported picture sizes, refer to "Picture sizes and input signals".

- **Auto Wide** **Try Now**

Changing the picture size automatically.

 This function may not be supported depending on the model or geographical area.

- **4:3 Screen Size** **Try Now**

You can select a picture size suitable for your geographical area while you are watching Projector in the **4:3** or **Fit to screen** mode. The supported screen sizes differ with the country and this function allows you to adjust the picture size in this case.

 The **4:3** mode is not available when an external device is connected to the Projector via a Component connector or an HDMI connector.

 This function may not be supported depending on the model or geographical area.

- **Fit to screen** **Try Now**

Fitting the picture to the screen.

 This function may not be supported depending on the **Picture Size** setting.

 This function may not be supported depending on the broadcast signals.

- **Zoom and Position** **Try Now**

Adjusting the picture size or position.

 This function is available only if **Picture Size** is set to **Custom**.

 To change the picture position on analogue channels, first enlarge the picture and then change the position.

 These functions may not be available on **Samsung TV Plus** and some applications.

Setting the Viewing Environment for External Devices

You can optimise the Projector for viewing specific video formats.

Playing games on an optimised screen

 >  (left directional button) >  **Settings** > **All Settings** > **Connection** > **Game Mode Settings**
> **Game Mode** 

 >  (left directional button) >  **Settings** > **All Settings** > **Connection** > **Game Mode** 

You can set the **Game Mode** to optimise the Projector screen for better gaming performance.

When you connect a video game console such as PlayStation and Xbox, **Game Mode** is set to **Auto**. When you connect the other game source such as PC, set the **Game Mode** to **On** through the above path. You can also set the **Game Mode** quickly from Home Screen ( >  (left directional button) >  **Settings** > **Game Mode** .

-  The menu path may differ depending on the model or geographical area.
-  This function may not be supported depending on the model or geographical area.
-  The game mode is not available for normal Projector viewing.
-  The screen may shake somewhat.
-  When you press and hold the  button on the Samsung Smart Remote for 1 second or more in **Game Mode**, the **Game Bar** appears. This function may not be supported depending on the model.
-  When **Game Mode** is enabled, **Picture Mode** and **Sound Mode** are switched to **Game** automatically. **Sound Mode** may not be automatically switched depending on the selected audio device on the **Sound Output** menu.
-  When **Game Mode** is set to **On**, some functions are not available.
-  To use a different external device on the same port, remove the game console connection, set **Game Mode** to **Off**, and then connect the external device to the port.
-  The **Game Mode** functions used for Nintendo Switch™ are subject to change without prior notice.

Setting the Game Mode details

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [Connection](#) > [Game Mode Settings](#)

[Try Now](#)

 These functions may not be supported depending on the model or geographical area.

- [Virtual Aim Point](#) [Try Now](#)

You can see the virtual aim point at the centre of the screen.

 This function may not be supported depending on the model or geographical area.

- [Surround Sound](#) [Try Now](#)

You can make your games more immersive by using intense, three-dimensional sound optimised for games.

 This function may not be supported depending on the model or geographical area.

- [Dynamic Black Equalizer](#) [Try Now](#)

You can easily detect items or hidden enemies lurking in dark corners by improving visibility and object details in dark scenes without washing out colours and contrast in brighter scenes.

 This function may not be supported depending on the model or geographical area.

- [Game Motion Plus Settings](#) [Try Now](#)

You can configure the Game Motion Plus settings.

 This function may not be supported depending on the model.

- [Game Motion Plus](#)

Turn on this function to obtain a softer and clearer picture quality when playing a role-playing game (RPG) or adventure game which involves many dynamic scenes.

- **Judder Reduction**

Remove flicker from a game video to play the game with a clearer picture quality.

- **Game HDR**

In accordance with the HGiG (HDR Gaming Interest Group) standard, it sets the optimal image quality for HDR games according to the brightness information of the contents.

 When HDR sources are input in Game Mode, this menu is activated.

- **Minimap Auto Detection**

Automatically finds and zooms in on the minimap by analysing the screen when using the **Minimap Zoom** feature.

 This function may not be supported depending on the model or geographical area.

Using Input Signal Plus

 >  (left directional button) >  **Settings** > **All Settings** > **Connection** > **External Device Manager** > **Input Signal Plus** 

Expands the input signal range for HDMI connections.

-  If the **Input Signal Plus** feature is turned off, HDR signals sent from an external device cannot be received.
-  When you select the HDMI connector you want to use for **Input Signal Plus**, and then press the Select button to set the **Input Signal Plus** function to **On**, the Projector screen may flicker.
-  When you connect the Projector to an external device that supports only the UHD 24 Hz or UHD 30 Hz frequency or any FHD frequency, the **Input Signal Plus** function may not be available. In this case, turn off the **Input Signal Plus** function.
-  For more information about the supported UHD resolutions, refer to "[Supported Resolutions for UHD Input Signals](#)".

Using HDMI black level

 >  (left directional button) >  **Settings** > **All Settings** > **Connection** > **External Device Manager** > **HDMI Black Level** 

Use HDMI Black Level to adjust the black level to compensate for low black levels, low contrast or dull colours generated by external devices connected to the Projector via an HDMI cable.

-  This function is only available when the input signal connected to the Projector via an HDMI connector is set to RGB444.

Configuring a Sound Mode and Expert Settings

Change the Sound Mode and adjust Expert Settings.

Choosing a sound mode

 >  (left directional button) >  **Settings** > **All Settings** > **Sound** > **Sound Mode** [Try Now](#)

You can select the available sound mode that you prefer for a content type or your listening environment.

 When an external device is connected, **Sound Mode** may change accordingly.

 This function may not be supported depending on the model.

Configuring advanced sound settings

 >  (left directional button) >  **Settings** > **All Settings** > **Sound** > **Expert Settings** [Try Now](#)

You can personalise the sound quality by adjusting the following settings.

 Supported menu options may vary depending on the **Sound Output** setting.

- **Balance** [Try Now](#)

Adjust the volumes of the left and right speakers to balance the sound levels.

 When the Projector is used in portrait mode, the **Balance** function may not work properly.

- **Equaliser** [Try Now](#)

Customise the Projector sound by adjusting the volume of high-pitched and low-pitched sounds.

 This function is not available when the **Adaptive Sound Pro** or **Active Voice Amplifier** function is turned on.

 This function is not available when the **Sound Mode** function is set to **Adaptive Sound**, **Game**, or **Amplify**.

 The name and properties of this function may appear differently depending on the connected external device.

- **HDMI-eARC Mode** [Try Now](#)

You can connect an audio device that supports eARC via HDMI-eARC. Muting occurs temporarily during device connection.

 This function may not be supported depending on the model.

- **Digital Output Audio Format** [Try Now](#)

Select a digital audio output format. If you select Auto option, the audio output mode automatically changes to the mode supported by the connected soundbar or A/V receiver.

If you select the **Pass-through** option, audio data is output with no processing.

 This function is available when the input source is HDMI and the receiver is connected via HDMI-eARC.

- **Digital Output Audio Delay** [Try Now](#)

Adjust the output delay time for digital audio.

 This function is available when the input source is HDMI and the receiver is connected via HDMI-ARC or HDMI-eARC.

 When the receiver can't process the input source, it may operate in the **Auto** option.

 This function may not be supported depending on the model.

- **Dolby Atmos** [Try Now](#)

When watching Product through the embedded speakers, the virtual surround sound effect of Dolby Atmos can be turned on or off.

 This function may not be supported depending on the model.

 The virtual surround sound effect does not work if the product is installed behind the screen or on the ceiling behind the screen.

- **Auto Volume** [Try Now](#)

Automatically adjusts the sound to a certain level when changing channels or switching to another external input.

- **Sound Feedback** [Try Now](#)

Plays the notification sound when manipulating a menu or selecting an option.

- **Simultaneous Optical Output**

The device connected via optical always outputs sound.

 This function may not be supported depending on the model or geographical area.

- **Reset Sound** [Try Now](#)

Reset changed sound settings.

 Standard audio signals are sampled at 48 kHz while HD audio signals are sampled at 96 kHz.

 Some SPDIF receivers may not be compatible with HD audio format.

Using the Sound Support Functions

Configure the sound settings for your Projector.

Selecting speakers

 >  (left directional button) >  **Settings** > **All Settings** > **Sound** > **Sound Output** 

You can select which speakers the Projector uses for audio output.

-  If the soundbar is connected to the Projector via both HDMI and Optical, HDMI may be selected first even if you select Optical.
-  External speakers may not be controlled with the Samsung Smart Remote. When an external speaker is enabled, some sound menus are not supported.

Samsung Projector supports the Q-Symphony function.

- **Q-Symphony** links Samsung speakers to your Projector speakers to play sounds from the different speakers simultaneously, offering the ultimate surround sound experience.

Your Samsung Projector supports a USB sound device connection.

- USB 2.0 and higher devices are supported.
- Two USB sound devices can be connected at the same time.
-  Make sure to connect a USB sound device directly to a USB port. (USB hubs are not supported.)
-  Some USB sound device models may not be compatible with the Projector.

Listening to the Projector through Bluetooth devices

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [Sound](#) > [Sound Output](#) > [Bluetooth Speaker List](#)

You can connect Bluetooth audio devices to the Projector. They must be paired using the Projector's Bluetooth function. Refer to the user manual for your audio device such as Bluetooth speaker, soundbar and headphones for detailed connection and usage.

 If the Projector fails to find a Bluetooth audio device, place the device closer to the Projector, and then select [Refresh](#).

 When you turn on a paired Bluetooth audio device, the Projector detects it automatically, and then displays a pop-up window. Use this pop-up window to activate/deactivate the Bluetooth audio device.

 The sound quality may be affected by the condition of the Bluetooth connection.

 Before using a Bluetooth audio device, refer to "[Read Before Using Bluetooth Devices](#)".

 On some models, you can connect and use two Bluetooth devices simultaneously.

 If multiple BT audio devices and BT input devices are simultaneously connected, sound from the audio devices may be choppy or key data from the input devices may be dropped.

The number of BT audio devices for connection can be limited to one device, for a stable game service.

 If a call comes in while you listen to Projector sound with Galaxy Buds, the Buds connects to the mobile phone and the Projector sound is muted for connecting to the call.

When the call is ended, the Buds automatically connects to the Projector. This feature is supported only when the Projector and mobile phone are connected to the same Samsung account.

 If the Galaxy Buds is disconnected while listening to Projector sound with the Buds, the Projector sound is muted.

Playing Projector sounds by configuring Q-Symphony Settings

 > left directional button >  **Settings** > **All Settings** > **Sound** > **Q-Symphony Setup**

Use the **Q-Symphony Setup** feature to configure wired or wireless symphony settings.

-  Configuring wired symphony settings is possible only when a Samsung audio device that supports wired symphony functionality is connected to HDMI or Optical.
-  For Samsung audio devices that support Wi-Fi and Q-Symphony, it is possible to configure wireless symphony settings.
-  It is not possible to turn on wired symphony and wireless symphony modes simultaneously.
-  Some models can connect to two wireless audio devices at the same time.
-  This feature may not be supported, depending on your Projector model and Samsung audio device.
-  If you set a Samsung wireless audio device as a device for wireless symphony, it is possible to set a position.
-  Position setting may not be supported, depending on the Samsung wireless audio device.
For device specifications, refer to the user manual for the Samsung audio device.

If Samsung soundbars or Samsung wireless speakers that support Q-Symphony are connected, surround sound configuration can be used when the following conditions are met.

- Two or more Samsung wireless speakers of the same type are connected to the same wireless network.
 - A Samsung audio device that supports Wi-Fi is connected to the same wireless network as the Projector.
-  For details on how to connect and use a Samsung audio device that supports Wi-Fi, refer to the device user manual.
 -  Some Samsung wireless audio devices may not support a configuration that includes soundbars.

If you turn on screen mirroring mode while using a Samsung audio device that supports Wi-Fi, the connection is disconnected.

System and Support

You can configure system and support settings such as clock, timers, energy usage and software updates.

Using the Time Functions and the Timers

Set the current time and use the timer function.

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [System Manager](#) > [Time](#) [Try Now](#)

You can set the [Clock](#) manually or automatically. Once the [Clock](#) is set, you can view the current time on the Projector anytime.

You must set the clock in the following cases:

- The power cord is disconnected and then connected.
- The [Clock Mode](#) is changed from [Auto](#) to [Manual](#).
- The Projector is not connected to the network.
- No broadcast signals are received.

Setting the clock automatically

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [System Manager](#) > [Time](#) > [Clock](#) > [Clock Mode](#) > [Auto](#)

 This function works only when the Projector is connected to the network.

Adjusting the clock for DST and time zone

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [System Manager](#) > [Time](#) > [Clock](#) > [Time Zone](#) [Try Now](#)

Sets the right time by setting Daylight Savings Time (DST) and your local time zone.

 This function is only available when the [Clock Mode](#) is set to [Auto](#).

 This function may not be supported depending on the model or geographical area.

- [GMT](#)

Set Greenwich Mean Time (GMT).

- [DST](#)

Automatically adjusts for Daylight Saving Time (DST).

Changing the current time

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [System Manager](#) > [Time](#) > [Clock](#) > [Time Offset](#) [Try Now](#)

[Time Offset](#) adjusts the time through a network connection.

 This function is available only when [Clock Mode](#) is set to [Auto](#), the Projector is connected to a network.

Setting the clock manually

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [System Manager](#) > [Time](#) > [Clock](#) > [Clock Mode](#) > [Manual](#)

When [Clock Mode](#) is set to [Manual](#), you can directly enter the current date and time. Select the [Date](#) and [Time](#) by using the directional buttons on the remote control.

Using the sleep timer

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [System Manager](#) > [Time](#) > [Sleep Timer](#) [Try Now](#)

You can use this function to automatically shut off the Projector after a pre-set period of time. You can set the sleep timer for up to 180 minutes after which it will turn off the Projector.

 This function may not be supported in some viewing modes.

 This function may not be supported depending on the model or geographical area.

Turning off the Projector using the off timer

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [System Manager](#) > [Time](#) > [Off Timer](#) [Try Now](#)

You can set [Off Timer](#) to shut off the Projector automatically at a specific time. [Off Timer](#) is only available if the [Clock](#) has been set.

 To use this function, first set the [Clock](#) ( >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [System Manager](#) > [Time](#) > [Clock](#)). [Try Now](#)

 This function may not be supported depending on the model or geographical area.

Using the Power and Energy Saving Functions

Use the power saving functions to reduce the Projector power consumption.

Reducing the power consumption of the Projector

 >  (left directional button) >  **Settings** > **All Settings** > **General & Privacy** > **Power and Energy Saving** [Try Now](#)

Reduce energy consumption by changing your power preferences and other energy-saving options.

- **Energy Saving Solution** [Try Now](#)

Reduce power consumption by adjusting brightness settings.

- **Screen Saver** [Try Now](#)

Activate a screensaver when your Projector displays a still image for two hours or more.

 This function may not be supported depending on the model.

- **Auto Power Saving** [Try Now](#)

When the Projector is connected to Wi-Fi, this feature checks Wi-Fi signals and remote control usage data to determine whether the Projector is used. If the Projector is left idle, the feature automatically switches off the screen.

 This function may not be supported depending on the model.

 This feature may not be supported, depending on the Wi-Fi router.

- **Auto Power Off** [Try Now](#)

Automatically turns off the Projector to reduce unnecessary power consumption if the Projector Controller and the remote control are not used for the set period of time.

 In some regions, the **Auto Power Off** function may not be supported when **Samsung TV Plus** is operating.

Updating the Projector's Software

View your Projector's software version and update it if necessary.

⚠ DO NOT turn off the Projector's power until the update is complete. The Projector will turn off and on automatically after completing the software update. Video and audio settings will be reset to their defaults after a software update.

 >  (left directional button) >  **Settings** > **Support** > **Software Update** 

Updating through the network

 >  (left directional button) >  **Settings** > **Support** > **Software Update** > **Update Now** 

 Updating from the network requires an active network connection.

Updating through a USB device

 >  (left directional button) >  **Settings** > **Support** > **Software Update** > **Update Now** 

After downloading the update file from the Samsung website and storing it on a USB device, connect the USB device to the Projector to update.

 To update using a USB device, download the update package from Samsung.com to your computer. Then, save the update package in the USB device's top-level folder. Otherwise, the Projector will not be able to locate the update package.

Updating the Projector automatically

 >  (left directional button) >  **Settings** > **Support** > **Software Update** > **Auto update** 

If the Projector is connected to the network, you can have the Projector's software update itself automatically while you are watching the Projector. When the background update is completed, it is applied the next time the Projector is turned on.

If you agree to the Smart Hub terms and conditions, **Auto update** is set to **On** automatically. If you want this function disabled, use the Select button to turn it off.

 This function may take a longer time if another network function is running concurrently.

 This function requires a network connection.

 This function may not be supported depending on the model or geographical area.

Updating through the mobile network

 >  (left directional button) >  **Settings** > **Support** > **Software Update** > **Update with Mobile Network** 

Use a mobile network to update the software.

 This function may not be supported depending on the model or geographical area.

Security updates information

Security updates are provided to strengthen the security of your device and protect your personal information. For more information on security updates, visit <https://security.samsungtv.com>.

 The website supports only some languages.

Using the Parental Settings function

Configure content or app security settings.

 >  (left directional button) >  **Settings** > **All Settings** > **General & Privacy** > **Parental Settings** [Try Now](#)

Restrict access to content or apps that require parental guidance. Locked content or apps can be accessed by entering the password.

- **Programme Rating Lock** [Try Now](#)

This function is useful for controlling what programmes children can watch on the Projector based on their ratings.

 For more information, refer to "[Using Programme Rating Lock](#)".

- **Mark Adult Channels** [Try Now](#)

Enables or disables all adult services. When disabled, adult services will not be available.

 This function may not be supported depending on the model or geographical area.

- **Apply Channel Lock** [Try Now](#)

By selecting the menu, you can turn on or off the **Apply Channel Lock** function.

Lock specific channels to prevent children from watching adult content.

 To use this function, the PIN number is required.

- **Channel Lock Settings** [Try Now](#)

Set the channel to lock or unlock.

- **App Lock** [Try Now](#)

Set the installed app to lock or unlock.

Audio and Video Functions for the Visually or Hearing Impaired

You can configure the functions for the visually or hearing impaired.

Running the accessibility functions

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Accessibility](#)
[Try Now](#)

Running Accessibility Shortcuts

The [Accessibility Shortcuts](#) provide easy access to the accessibility functions. To display the [Accessibility Shortcuts](#), press and hold the $+/-$ (Volume) button for 2 seconds or more. You can easily turn on or turn off the functions such as [Voice Guide](#), [Audio Subtitles](#), [Picture Off](#), [Magnification](#), [High Contrast](#), [Zoom Menu and Text](#), [Greyscale](#), [Colour Inversion](#), [SeeColors Mode](#), [Learn Remote](#), [Menu Learning Screen](#), [Subtitle](#), [Sign Language Zoom](#), [Multi-output Audio](#), [Slow Button Repeat](#), [Auto Menu Sort](#), [Accessibility Settings](#), etc.

 Even if the [Voice Guide](#) is set to [Off](#) or muted, the voice guide for [Accessibility Shortcuts](#) is enabled.

 The shortcut menus may not appear depending on the model or geographical area.

Enabling voice guides for the visually impaired

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Accessibility](#) > [Voice Guide Settings](#) 

You can activate voice guides that describe the menu options aloud to aid the visually impaired. To activate this function, set [Voice Guide](#) to **On**. With [Voice Guide](#) on, the Projector provides voice guides for channel change, volume adjust, information on current and upcoming programmes, schedule viewing, other Projector functions and various content in the [Internet](#) and in [Search](#).

You can go to [Voice Guide](#), and then press the Select button to turn the function on or off.

-  The [Voice Guide](#) is provided in the language that is specified on the Projector [Language](#). However, some languages are not supported by [Voice Guide](#) even though they are listed in the Projector [Language](#). **English** is always supported.
-  For more information about the Projector [Language](#) settings, refer to "[Changing the menu language](#)".

Changing the volume, speed, pitch and the Projector background volume of the Voice Guide

You can configure the [Volume](#), [Speed](#), [Pitch](#) and the [Projector Background Volume](#) of the voice guide.

Audio Description

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Accessibility](#) > [Audio Description Settings](#) 

You can activate an audio guide that provides an audio description of video scenes for the visually impaired. This function is only available with broadcasts that provide this service.

-  This function is only available on digital channels.

- [Audio Description](#)
Turns the audio description function on or off.
- [Audio Description Volume](#)
Adjusts the audio description volume.

Setting the audio subtitles

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Accessibility](#) > [Audio Subtitles Settings](#)

This feature audibly reads captions displayed on video content. You can change the volume or speed of audible captions.

 This function may not be supported depending on the model or geographical area.

The Projector screen is turned off but audio continues

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Accessibility](#) > [Picture Off](#) [Try Now](#)

Turn off the Projector screen and provide only sound to reduce overall power consumption. When you press a button on the remote control other than Volume and Power while the screen is off, the Projector screen turns back on.

 This function may not be supported depending on the geographical area.

Enlarge the screen

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Accessibility](#) > [Magnification](#) [Try Now](#)

Enlarge the screen to make the picture or text bigger. You can adjust the zoom level or move the zoom area by following the displayed instructions.

 [Magnification](#) may not work on some menus or screens.

 This function may not be supported depending on the model or geographical area.

White text on black background (high contrast)

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Accessibility](#) > [High Contrast](#) [Try Now](#)

You can change Smart Hub and setting menu screens to white text on a black background and change the transparent Projector menus to opaque automatically so that text can be more easily read.

 If [High Contrast](#) is on, some [Accessibility](#) menus are not available.

Enlarging the font (for the visually impaired)

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Accessibility](#) > [Zoom Menu and Text](#) [Try Now](#)

You can enlarge the size of the font on the screen. To activate, set [Zoom Menu and Text](#) to **On**.

Setting the screen to black and white

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Accessibility](#) > [Greyscale](#) [Try Now](#)

You can change the colour of the Projector screen to black and white to sharpen blurred edges caused by colours.

 If [Greyscale](#) is on, some [Accessibility](#) menus are not available.

 This function may not be supported depending on the model or geographical area.

Inverting the screen colour

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Accessibility](#) > [Colour Inversion](#) [Try Now](#)

You can invert the colours of the text and background for the setting menus displayed on the Projector screen to make it easier to read them.

 If [Colour Inversion](#) is on, some [Accessibility](#) menus are not available.

 This function may not be supported depending on the model or geographical area.

Setting the colour correction feature for users with colour blindness

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Accessibility](#) > [SeeColors Mode](#) [Try Now](#)

This feature helps users with colour blindness experience richer colours.

Use this feature to customise the colours for your unique viewing conditions, to experience richer colours on the screen.

 When [SeeColors Mode](#) is in use, some menus are disabled.

 This function may not be supported depending on the model.

Learning about the remote control (for the visually impaired)

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Accessibility](#) > [Learn Remote](#) [Try Now](#)

This function helps individuals with a visual impairment to learn the positions of the buttons on the remote control. When this function is activated, you can press a button on the remote control and the Projector will tell you its name. Press the  button twice to exit [Learn Remote](#).

Learning about the Projector menu

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Accessibility](#) > [Menu Learning Screen](#) [Try Now](#)

Learn the menus on the Projector screen. Once enabled, your Projector will tell you the structure and features of the menus you select.

Watching Projector broadcasts with subtitles

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Accessibility](#) > [Subtitle Settings](#) [Try Now](#)

Set [Subtitle](#) to **On**. Then you can watch the programme with the subtitle displayed.

-  This function may not be supported depending on the model or geographical area.
-  This function has no relationship with the features for controlling sub-titles of DVD or Blu-ray players. To control DVD or Blu-ray subtitles, use the sub-title feature of the DVD or Blu-ray player and the player's remote control.

- [Subtitle](#) [Try Now](#)

Turns on or off the subtitle.

- [Subtitle Mode](#) [Try Now](#)

Sets the subtitle mode.

- [Subtitle Language](#) [Try Now](#)

Sets the subtitle language.

- [Spoken Subtitles](#)

Listen to an audio version of the subtitles. Only available with broadcasts that provide this service.

-  This function may not be supported depending on the model or geographical area.

Selecting the broadcasting subtitle language

You can select the default subtitle language. The list may vary depending on the broadcast.

- [Primary Subtitle Language](#) [Try Now](#)

Sets the primary subtitle language.

- [Secondary Subtitle Language](#) [Try Now](#)

Sets the secondary subtitle language.

Enlarging the sign language screen for the hearing impaired

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Accessibility](#) > [Sign Language Zoom Settings](#) [Try Now](#)

You can zoom in the sign language screen when the programme you are watching provides it. First, set [Sign Language Zoom](#) to [On](#), and then select [Edit Sign Language Zoom](#) to change the position and magnification of the sign language screen.

Listening to the Projector through Bluetooth devices (for the hearing impaired)

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Accessibility](#) > [Multi-output Audio](#) [Try Now](#)

You can turn on both the Projector speaker and Bluetooth headphone at the same time. When this function is active, you can set the volume of the Bluetooth headphone higher than the volume of the Projector speaker.

 This function may not be supported depending on the model or geographical area.

 For more information about connecting Bluetooth devices to the Projector, refer to "[Listening to the Projector through Bluetooth devices](#)".

Configuring the repeat settings for remote control buttons

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Accessibility](#) > [Remote Button Repeat Settings](#) [Try Now](#)

You can configure the operation speed of the remote control buttons so that they slow down when you continually press and hold them. First, set [Slow Button Repeat](#) to [On](#), and then adjust the operation speed in [Repeat Interval](#).

Using Voice Assistants on the Projector

You can change the settings of a Voice Assistant after selecting it.

Select the Voice Assistant

 >  (left directional button) >  **Settings** > **All Settings** > **General & Privacy** > **Voice** > **Voice Assistant** [Try Now](#)

Select which **Voice Assistant** you would like to help control your Projector.

-  To use this function, the Projector must be connected to the network.
-  This function and Voice Recognition Solution Partner may not be supported depending on the model or geographical area.
-  **Voice Assistant** only supports some languages, and the supported functions may differ depending on the geographical area.
-  The **Voice Wake-up** function may not be supported depending on the model, **Voice Assistant** or geographical area.
- **Bixby / Amazon Alexa**
 -  To use the **Voice Assistant**, follow the instructions on the Projector screen to enable the selected **Voice Assistant**.
 -  To change the settings for **Voice Assistant**, run the Settings menu under each **Voice Assistant** ( >  (left directional button) >  **Settings** > **All Settings** > **General & Privacy** > **Voice** > **Voice Assistant**). [Try Now](#)
 -  To enable the Settings menus for each **Voice Assistant**, log in each **Voice Assistant**.
 -  For an example of Voice command, see the Settings menus for each **Voice Assistant**.

Using Other Functions

You can view other functions.

Changing the menu language

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [System Manager](#) > [Language](#) [Try Now](#)

Setting up a password

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [System Manager](#) > [Change PIN](#) [Try Now](#)

The PIN input window appears. Enter a PIN. Enter it again to confirm it. The default PIN is "0000" (for France and Italy: "1111").

-  The default PIN may differ depending on the geographical area.
-  This function may not be supported depending on the model or geographical area.
-  If you forget your PIN, you can reset it with your remote control. With the Projector turned on, press the following buttons on the remote control in the order shown to reset the PIN to "0000" (for France and Italy: "1111").
Press **+/-** (Volume) button. > Volume Up >  > Volume Down >  > Volume Up > .

Selecting Usage or Retail Mode

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [System Manager](#) > [Usage Mode](#) [Try Now](#)

You can set the Projector for retail environments by setting [Usage Mode](#) to [Retail Mode](#).

-  For all other uses, select [Home Mode](#).
-  Use [Retail Mode](#) only in a store. With [Retail Mode](#), some functions are disabled and the Projector settings automatically reset after a preset amount of time.
-  This function may not be supported depending on the model.
-  [Retail Mode](#) is not available from the Projector menu, but only during initial setup.

Using the Maintenance Mode

 >  (left directional button) >  [Settings](#) > [Support](#) > [Maintenance Mode](#)

Protect your personal information while the Projector is repaired or used by someone else. Once service mode turns on, access to the apps or content is blocked. To back up data in which settings are saved, connect a USB stick to the Projector.

-  This function may not be supported depending on the model.

Managing External Devices

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [Connection](#) > [External Device Manager](#) > [Device Connection Manager](#) [Try Now](#)

When you connect external devices such as mobile devices or tablets connected to the same network as the Projector so you can share content, you can view the list of allowed devices and connected devices.

- [Access Notification](#)

Set whether to display a notification when an external device such as a mobile device or tablet attempts to connect to the Projector.

- [Device List](#)

Manage a list of external devices registered to the Projector.

Using AirPlay

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [Connection](#) > [Apple AirPlay Settings](#) [Try Now](#)

You can use AirPlay to view content from your iPhone, iPad or Mac on the Projector screen.

 This function may not be supported depending on the model or geographical area.

Restoring the Projector to the factory settings

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Factory data reset](#) [Try Now](#)

You can restore all Projector settings to the factory defaults.

1. Select [Factory data reset](#). The security PIN entry window appears.
2. Enter the security PIN, and then select [Reset](#). All settings are then reset. The Projector turns off and on again automatically and displays the Initial Setup screen.

 For more information on [Factory data reset](#), refer to the Simple User Guide that came with the Projector.

Precautions and Notes

You can get instructions and information that you must read after installation.

Read Before Using Apps

Read this information before using Apps.

- If you want to download new apps using **Apps**, first sign in to your Samsung account.
- Due to the product characteristics featured on Samsung Smart Hub, as well as limitations in available content, certain features, applications and services may not be available on all devices or in all territories. Visit <https://www.samsung.com> for more information on specific device information and content availability. Services and content availability are subject to change without prior notice.
- Samsung takes no legal responsibility whatsoever for any interruption of app services caused by the service provider for any reason.
- Application services may be provided in English only and available content may differ with the geographical area.
- For more information about applications, visit the applicable service provider's website.
- An unstable network connection may cause delays or interruptions. In addition, applications may terminate automatically depending on the network environment. If this occurs, check your network connection and try again.
- Application services and updates may become unavailable.
- Application content is subject to change by the service provider without prior notice.
- Specific services may differ with the version of the application installed on the Projector.
- An application's functionality may change in future versions of the application. If this occurs, run the application's tutorial or visit the service provider's website.
- Depending on the service provider's policies, certain applications may not support multitasking.
- For details on how to subscribe or unsubscribe from an app, please contact the service provider.

Read Before Using the Internet Function

Read this information before using the Internet function.

- File download is not supported.
- The **Internet** function may not be able to access certain websites, including websites operated by certain companies.
- The Projector does not support playback of flash videos.
- E-commerce for online purchases is not supported.
- ActiveX is not supported.
- Only a limited number of fonts are supported. Certain symbols and characters may not be displayed properly.
- The response to remote commands and the resulting on-screen display may be delayed while a webpage is loading.
- Loading a webpage may be delayed or suspended completely depending on the status of the participating systems.
- Copy and paste operations are not supported.
- When composing an email or a simple message, certain functions such as the font size and colour selection may not be available.
- There is a limit to the number of bookmarks and the size of the log file that can be saved.
- The number of windows that can be opened concurrently is limited.
- Web browsing speed will differ with the network environment.
- Embedded videos in a webpage cannot be played at the same time while the PIP (picture-in-picture) function is operating.
-  This function may not be supported depending on the model or geographical area.
- Browsing history is saved from latest to oldest, with the oldest entries being overwritten first.
- Depending on the types of video/audio codecs supported, you may not be able to play certain HTML5 video and audio files.
- Video sources from PC-optimised streaming service providers may not play properly on our proprietary **Internet** browser.

Read before setting up a wireless network connection

Precautions for wireless network

- This Projector supports the IEEE 802.11 a /b /g /n /ac communication protocols. Video files stored on a device connected to the Projector via a Home Network may not play back smoothly.
 -  Some of the IEEE 802.11 communication protocols may not be supported depending on the model or geographical area.
- To use wireless network, the Projector must be connected to a wireless access point or modem. If the wireless access point supports DHCP, the Projector can use a DHCP or static IP address to connect to the wireless network.
- Select a channel that is not currently being used by the wireless access point. If the channel set is currently being used by the wireless access point to communicate with another device, the result is usually interference or a communications failure.
- Most wireless networks have an optional security system. To enable a wireless network's security system, you need to create a password using characters and numbers. This password is then needed to connect to a security-enabled access point.

Wireless security protocols

The Projector only supports the following wireless network security protocols. The Projector cannot connect to non-certified wireless access point.

- Authentication Modes: WEP, WPAPSK, WPA2PSK
- Encryption Types: WEP, TKIP, AES

In compliance with the Wi-Fi certification specifications, Samsung Projectors do not support WEP or TKIP security encryption in networks running in the 802.11n mode. If the wireless access point supports WPS (Wi-Fi Protected Setup), you can connect the Projector to your network using PBC (Push Button Configuration) or a PIN (Personal Identification Number). WPS automatically configures the SSID and WPA key settings.

Read Before Playing Photo, Video or Music Files

Read this information before playing media content.

Limitations to the use of photo, video and music files Try Now

- The Projector supports MSC (Mass Storage Class) USB devices only. MSC is a class designation for mass storage devices. Types of MSC devices include external hard drives, flash card readers and digital cameras. (USB hubs are not supported.) These kinds of devices must be connected directly to the USB port. If a USB extension cable is used or two external hard drives are used simultaneously, a USB device cannot be recognised or files contained in the device cannot be read. Do not disconnect USB devices while they are transferring files.
- When connecting an external hard drive, use the USB (HDD 5V 1A) port. We recommend that you use an external hard drive with its own power adapter.
 -  On models without the HDD 5V 1A marking, connect the drive to one of the USB (5V 1.0A/0.5A) ports.
 -  Some models do not support the HDD 5V 1A USB port. On such models that have 5V 1.0A and 5V 0.5A USB ports, connect the drive to one of those ports.
- Certain digital cameras and audio devices may not be compatible with the Projector.
- If there are multiple USB devices connected to the Projector, the Projector might not be able to recognise some or all the devices. USB devices that use high-power input should be connect to the USB (HDD 5V 1A) port.
 -  Some models do not support the HDD 5V 1A USB port. On such models that have 5V 1.0A and 5V 0.5A USB ports, connect the drive to one of those ports.
- The Projector supports the FAT, exFAT and NTFS file systems.
- In the media contents list, the Projector can display up to 1,000 files per folder. If the USB device contains more than 8,000 files and folders, however, some files and folders might not be accessible.
- Certain files, depending on how they are encoded, may not play on the Projector.
- Certain files are not supported on all models.
- The DivX and DTS codecs are not supported by the Samsung Projector models released in 2024.

Supported subtitles

Subtitle formats

Name	Format
MPEG-4 Timed text	.txt
SAMI	.smi
SubRip	.srt
SubViewer	.sub
Micro DVD	.sub or .txt
SubStation Alpha	.ssa
Advanced SubStation Alpha	.ass
SMPTE-TT Text	.xml

Video formats with subtitles

Name	Container
Xsub	AVI
SubStation Alpha	MKV
Advanced SubStation Alpha	MKV
SubRip	MKV
VobSub	MKV
MPEG-4 Timed text	MP4
TTML in smooth streaming	MP4
SMPTE-TT TEXT	MP4
SMPTE-TT PNG	MP4

Supported image formats and resolutions

File extension	Format	Resolution
*.jpg *.jpeg	JPEG	16320 x 12240
*.png	PNG	4096 x 4096
*.bmp	BMP	4096 x 4096
*.mpo	MPO	15360 x 8640
*.heic	HEIF	16320 x 12240

 The MPO format is supported partly.

 The HEIF format is may not be supported depending on the model or geographical area.

 HEIF supports only the single image of grid type (grid) and its minimum resolution must be at least 512 pixels in width or height.

Supported music formats and codecs

File extension	Format	Codec	Note
*.mp3	MPEG	MPEG1 Audio Layer 3	
*.m4a *.mpa *.aac	MPEG4	AAC	
*.flac	FLAC	FLAC	Supports up to 16/24 Bit, 48/96/192 kHz, 5.1 channel
*.ogg	OGG	Vorbis	Supports up to 2 channels
*.wma	WMA	WMA	WMA is supported up to 10 Pro 5.1 channels. WMA lossless audio is not supported.
*.wav	wav	wav	
*.mid *.midi	midi	midi	Supports type 0 and type 1. Seek is not supported. Supports USB device only.
*.ape	ape	ape	
*.aif *.aiff	AIFF	AIFF	
*.m4a	ALAC	ALAC	

Supported video codecs

File format	Container	Video codecs	Resolution	Frame rate (fps)	Bitrate (Mbps)	Audio codecs
*.avi	AVI MKV ASF MP4 3GP MOV FLV VRO VOB PS TS	H.264 BP/MP/HP	3840 x 2160	3840 x 2160: 30	50	Dolby Digital LPCM ADPCM(IMA, MS) AAC HE-AAC WMA Dolby Digital+ MPEG(MP3) AC-4 G.711(A-Law, μ -Law) OPUS
*.mkv				1920 x 1080: 60		
*.asf		HEVC (H.265 - Main, Main10)		60	50	
*.wmv		Motion JPEG	1920 x 1080	60	20	
*.mp4		MVC				
*.mov		MPEG4 SP/ASP				
*.3gp		Window Media Video v9 (VC1)				
*.vro		MPEG2				
*.mpg		MPEG1				
*.mpeg		Microsoft MPEG-4 v1, v2, v3				
*.ts		Window Media Video v7 (WMV1), v8 (WMV2)				
*.tp		H.263 Sorenson				
*.trp		VP6				
*.flv						
*.vob						
*.svi						
*.m2ts		AV1	3840 x 2160	60	40	
*.mts						
*.webm	WebM	VP8	1920 x 1080	60	20	Vorbis
		VP9 (Profile 0, profile 2 supported)	3840 x 2160	60	50	
		AV1	3840 x 2160	60	40	
*.rmvb	RMVB	RV8/9/10 (RV30/40)	1920 x 1080	60	20	RealAudio 6

Other restrictions

- Codecs may not function properly if there is a problem with the content.
- Video content does not play or does not play correctly if there is an error in the content or container.
- Sound or video may not work if they have standard bit rates/frame rates above the Projector's compatibility ratings.
- If the Index Table is has an error, the Seek (Jump) function will not work.
- When playing video over a network connection, the video may not play smoothly because of data transmission speeds.
- Some USB/digital camera devices may not be compatible with the Projector.
- HEVC codec is only available in MKV / MP4 / TS containers.

Video decoders

- H.264 FHD is supported up to Level 4.2. (Projector does not support FMO / ASO / RS)
- H.264 UHD is supported up to Level 5.1. (Projector does not support FMO / ASO / RS)
- HEVC FHD is supported up to Level 4.1.
- HEVC UHD is supported up to Level 5.1.
- VC1 AP L4 is not supported.
- GMC 2 or above is not supported.

Audio decoders

- WMA is supported up to 10 Pro 5.1 channels, M2 profile.
- WMA1, WMA lossless / Voice are not supported.
- QCELP and AMR NB/WB are not supported.
- Vorbis is supported for up to 5.1 channels.
- Dolby Digital+ is supported for up to 5.1 channels.
- The supported sample rates are 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, and 48 KHz, and differ with the codec.

Read After Installing the Projector

Read this information after installing the Projector.

Picture sizes and input signals

The **Picture Size** is applied to the current source. The applied **Picture Size** will remain in effect whenever you select that source unless you change them.

Input signal	Picture size
Component	16:9 Standard, Custom, 4:3
Digital channel (720p)	16:9 Standard, Custom, 4:3
Digital channel (1080i, 1080p)	16:9 Standard, Custom, 4:3
Digital channel (3840 x 2160p @ 24/30 Hz)	16:9 Standard, Custom
Digital channel (3840 x 2160p @ 50/60 Hz)	16:9 Standard, Custom
Digital channel (4096 x 2160p)	16:9 Standard, Custom
HDMI (720p)	16:9 Standard, Custom, 4:3
HDMI (1080i, 1080p)	16:9 Standard, Custom, 4:3
HDMI (3840 x 2160p)	16:9 Standard, Custom
HDMI (4096 x 2160p)	16:9 Standard, Custom
USB (720p)	16:9 Standard, Custom, 4:3
USB (1080i/p @ 60 Hz)	16:9 Standard, Custom, 4:3
USB (3840 x 2160p @ 24/30 Hz)	16:9 Standard, Custom
USB (3840 x 2160p @ 60 Hz)	16:9 Standard, Custom
USB (4096 x 2160p @ 24/30/60 Hz)	

 This input signal may differ depending on the model and geographical area.

 The input ports for external devices may differ depending on the model and geographical area.

Installing an anti-theft lock

An anti-theft lock is a physical device that can be used to protect the Projector against theft. Look for the lock slot on the back of the Projector. The slot has a  icon next to it. To use the lock, wrap the lock cable around an object that is too heavy to carry and then thread it through the Projector's lock slot. The lock is sold separately. The method of using an anti-theft lock may differ for each model. Refer to the lock's user manual for more information.

 This function may not be supported depending on the model or geographical area.

Supported Resolutions for UHD Input Signals

Check the supported resolution for UHD input signals.

- Resolution: 3840 x 2160p

If Input Signal Plus is set to Off

Frame rate (fps)	Colour Depth / Chroma Sampling	RGB 4:4:4	YCbCr 4:4:4	YCbCr 4:2:2	YCbCr 4:2:0
50 / 60	8 bit	-	-	-	0

If Input Signal Plus is set to On

Frame rate (fps)	Colour Depth / Chroma Sampling	RGB 4:4:4	YCbCr 4:4:4	YCbCr 4:2:2	YCbCr 4:2:0
50 / 60	8 bit	0	0	0	0
	10 bit	-	-	0	0

Read Before Connecting a Computer (Supported Resolutions)

Check the resolutions supported for PC input signals.

When you connect your Projector to a computer, set the computer's video card to one of the standard resolutions listed in the tables below. The Projector will automatically adjust to the resolution you choose. Note that the optimal and recommended resolutions are 3840 x 2160 @ 60 Hz. Choosing a resolution not included in the tables can result in a blank or flickering screen or can turn on only the receiver of the remote control. Refer to the user manual of your graphics card for compatible resolutions.

 The native resolutions are 3840 x 2160 @ 60 Hz with the **Input Signal Plus** set to **On**. The native resolution is 3840 x 2160 @ 30 Hz with the **Input Signal Plus** set to **Off**.

IBM

Resolution (Dots x lines)	Display format	Horizontal frequency (KHz)	Vertical frequency (Hz)	Clock frequency (MHz)	Polarity (horizontal / vertical)
720 x 400	70 Hz	31.469	70.087	28.322	- / +

MAC

Resolution (Dots x lines)	Display format	Horizontal frequency (KHz)	Vertical frequency (Hz)	Clock frequency (MHz)	Polarity (horizontal / vertical)
640 x 480	67 Hz	35.000	66.667	30.240	- / -
832 x 624	75 Hz	49.726	74.551	57.284	- / -
1152 x 870	75 Hz	68.681	75.062	100.000	- / -

VESA DMT

Resolution (Dots x lines)	Display format	Horizontal frequency (KHz)	Vertical frequency (Hz)	Clock frequency (MHz)	Polarity (horizontal / vertical)
640 x 480	60 Hz	31.469	59.940	25.175	- / -
640 x 480	72 Hz	37.861	72.809	31.500	- / -
640 x 480	75 Hz	37.500	75.000	31.500	- / -
800 x 600	60 Hz	37.879	60.317	40.000	+ / +
800 x 600	72 Hz	48.077	72.188	50.000	+ / +
800 x 600	75 Hz	46.875	75.000	49.500	+ / +
1024 x 768	60 Hz	48.363	60.004	65.000	- / -
1024 x 768	70 Hz	56.476	70.069	75.000	- / -
1024 x 768	75 Hz	60.023	75.029	78.750	+ / +
1152 x 864	75 Hz	67.500	75.000	108.000	+ / +
1280 x 720	60 Hz	45.000	60.000	74.250	+ / +
1280 x 800	60 Hz	49.702	59.810	83.500	- / +
1280 x 1024	60 Hz	63.981	60.020	108.000	+ / +
1280 x 1024	75 Hz	79.976	75.025	135.000	+ / +
1440 x 900	60 Hz	55.935	59.887	106.500	- / +
1600 x 900	60 Hz	60.000	60.000	108.000	+ / +
1680 x 1050	60 Hz	65.290	59.954	146.250	- / +
1920 x 1080	60 Hz	67.500	60.000	148.500	+ / +

VESA CVT

Resolution (Dots x lines)	Display format	Horizontal frequency (KHz)	Vertical frequency (Hz)	Clock frequency (MHz)	Polarity (horizontal / vertical)
2560 x 1440	60 Hz	88.787	59.951	241.500	+ / -

 The resolution may not be supported depending on the model.

 2560 x 1440 @ 60 Hz resolution is not supported in [Game Mode](#).

CTA-861

Resolution (Dots x lines)	Display format	Horizontal frequency (KHz)	Vertical frequency (Hz)	Clock frequency (MHz)	Polarity (horizontal / vertical)
1920 x 1080i	50 Hz	28.125	50.000	74.250	+ / +
1920 x 1080i	60 Hz	33.750	60.000	74.250	+ / +
3840 x 2160	30 Hz	67.500	30.000	297.000	- / -
3840 x 2160	60 Hz	135.000	60.000	594.000	- / -
4096 x 2160	24 Hz	54.000	24.000	297.000	+ / +
4096 x 2160	30 Hz	67.500	30.000	297.000	+ / +
4096 x 2160	50 Hz	112.500	50.000	594.000	+ / +
4096 x 2160	60 Hz	135.000	60.000	594.000	+ / +

 The resolution may not be supported depending on the model.

Supported Resolutions for Video Signals

Check the resolutions supported for video signals.

CTA-861

Resolution (Dots x lines)	Display format	Horizontal frequency (KHz)	Vertical frequency (Hz)	Clock frequency (MHz)	Polarity (horizontal / vertical)
720 (1440) x 576i	50 Hz	15.625	50.000	27.000	- / -
720 (1440) x 480i	60 Hz	15.734	59.940	27.000	- / -
720 x 576	50 Hz	31.250	50.000	27.000	- / -
720 x 480	60 Hz	31.469	59.940	27.000	- / -
1280 x 720	50 Hz	37.500	50.000	74.250	+ / +
1280 x 720	60 Hz	45.000	60.000	74.250	+ / +
1920 x 1080i	50 Hz	28.125	50.000	74.250	+ / +
1920 x 1080i	60 Hz	33.750	60.000	74.250	+ / +
1920 x 1080	24 Hz	27.000	24.000	74.250	+ / +
1920 x 1080	25 Hz	28.125	25.000	74.250	+ / +
1920 x 1080	30 Hz	33.750	30.000	74.250	+ / +
1920 x 1080	50 Hz	56.250	50.000	148.500	+ / +
1920 x 1080	60 Hz	67.500	60.000	148.500	+ / +
3840 x 2160	24 Hz	54.000	24.000	297.000	+ / +
3840 x 2160	25 Hz	56.250	25.000	297.000	+ / +
3840 x 2160	30 Hz	67.500	30.000	297.000	+ / +
3840 x 2160	50 Hz	112.500	50.000	594.000	+ / +
3840 x 2160	60 Hz	135.000	60.000	594.000	+ / +

Resolution (Dots x lines)	Display format	Horizontal frequency (KHz)	Vertical frequency (Hz)	Clock frequency (MHz)	Polarity (horizontal / vertical)
4096 x 2160	24 Hz	54.000	24.000	297.000	+ / +
4096 x 2160	30 Hz	67.500	30.000	297.000	+ / +
4096 x 2160	50 Hz	112.500	50.000	594.000	+ / +
4096 x 2160	60 Hz	135.000	60.000	594.000	+ / +

 The resolution may not be supported depending on the model.

VESA CVT

Resolution (Dots x lines)	Display format	Horizontal frequency (KHz)	Vertical frequency (Hz)	Clock frequency (MHz)	Polarity (horizontal / vertical)
2560 x 1440	60 Hz	88.787	59.951	241.500	+ / -

 The resolution may not be supported depending on the model.

Read Before Using Bluetooth Devices

Read this information before using a Bluetooth device.

 This function may not be supported depending on the model or geographical area.

Restrictions on using Bluetooth

- Compatibility issues may occur, depending on the Bluetooth device. (A Mobile exclusive headphone may not be available, depending on the environment.)
- Lip-sync errors may occur.
- The Projector and Bluetooth device may disconnect, depending on the distance between them.
- A Bluetooth device may hum or malfunction:
 - When a part of your body is in contact with the receiving/transmitting system of the Bluetooth device or the Projector.
 - When the device is subject to electrical variation from obstructions caused by a wall, corner or office partitioning.
 - When the device is exposed to electrical interference from same frequency-band devices including medical equipment, microwave ovens and wireless LANs.
- If the problem persists, we recommend you use a wired connection.
 - DIGITAL AUDIO OUT (OPTICAL) port
 -  This function may not be supported depending on the model.
 - HDMI (eARC/ARC) port

Licences & Other Information

Check the licences and other information and trademarks applied in your Projector.

Dolby Audio

Dolby, Dolby Atmos, Dolby Audio and the double-D symbol are registered trademarks of Dolby Laboratories Licensing Corporation. Manufactured under license from Dolby Laboratories. Confidential unpublished works. Copyright © 2012-2021 Dolby Laboratories. All rights reserved.

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

Open Source License Notice

Open Source used in this product can be found on the following webpage. (<https://opensource.samsung.com>)



 This licence may not be supported depending on the model or geographical area.

(Europe only)

To access energy labelling information about this product on the European Product Registry for Energy Labelling (EPREL), go to https://eprel.ec.europa.eu/qr/*****

where ***** is the product's EPREL registration number. You can find the registration number on the rating label of your product.

(Türkiye only)

To access the energy labelling information of the model :

1. Go to https://www.samsung.com/global/ecodesign_energy
2. Get the model identifier from the energy label of the product and type it in the search box
3. Energy labelling information can be found

- Off mode Power Consumption: N/A
- Standby mode Power Consumption: 0.5 W (Auto Power Down Time: 20 min.)
- Networked Standby Power Consumption: 2.0 W (Auto Power Down Time: 20 min.)
- Overall Networked Standby Power Consumption (All network ports activated): 2.0 W

Troubleshooting

The following are troubleshooting solutions for each problem.

Picture Issues

When the Projector has trouble with the picture, these steps may help resolve the problem.

The screen is flashing or has become dark

If your Projector is flickering or dimming sporadically, you may need to disable some of the energy efficiency features.

Disable [Energy Saving Solution](#) or [Contrast Enhancer](#).

-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Power and Energy Saving](#) > [Energy Saving Solution](#) [Try Now](#)
-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [Picture](#) > [Expert Settings](#) > [Contrast Enhancer](#) [Try Now](#)

Run [Picture Test](#). When the tested image quality is normal, check the signal of the connected device.

-  >  (left directional button) >  [Settings](#) > [Support](#) > [Device Care](#) > [Self Diagnosis](#) > [Picture Test](#) [Try Now](#)

The picture is not bright, or the picture colours do not look clear

If the screen appears too dim, try changing the settings under [Reset Picture](#) or disabling [Brightness Optimisation](#), [Energy Saving Solution](#).

-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [Picture](#) > [Expert Settings](#) > [Reset Picture](#) [Try Now](#)
-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Power and Energy Saving](#) > [Energy Saving Solution](#) [Try Now](#)

Go to [Picture](#) and adjust the [Picture Mode](#), [Contrast](#), [Brightness](#), and [Sharpness](#) settings.

-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [Picture](#) > [Picture Mode](#) [Try Now](#)
-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [Picture](#) > [Expert Settings](#) > [Contrast](#) [Try Now](#)
-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [Picture](#) > [Expert Settings](#) > [Brightness](#) [Try Now](#)
-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [Picture](#) > [Expert Settings](#) > [Sharpness](#) [Try Now](#)
-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [Picture](#) > [Expert Settings](#) > [Colour](#) [Try Now](#)
-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [Picture](#) > [Expert Settings](#) > [Tint \(G/R\)](#) [Try Now](#)

The picture colours are black and white or do not look the way they should look

If the product's colours or absolute whites/blacks seem to be off, launch [Picture Test](#).

-  >  (left directional button) >  [Settings](#) > [Support](#) > [Device Care](#) > [Self Diagnosis](#) > [Picture Test](#)
[Try Now](#)

Check whether [Greyscale](#) is set to [On](#).

-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Accessibility](#) > [Greyscale](#)
[Try Now](#)

The Projector automatically turns off by itself

If your Projector appears to turn off by itself, try disabling some of the Projector's energy efficiency functions.

See if [Sleep Timer](#) has been enabled. The [Sleep Timer](#) automatically turns the Projector off after a specified period of time.

-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [System Manager](#) > [Time](#) > [Sleep Timer](#) [Try Now](#)

If the [Sleep Timer](#) has not been enabled, see if [Auto Power Off](#) or [Off Timer](#) has been enabled and disable it.

-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [System Manager](#) > [Time](#) > [Off Timer](#) [Try Now](#)
-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Power and Energy Saving](#) > [Auto Power Off](#) [Try Now](#)

Unable to power on

If you are having problems powering on your Projector, there are a number of things to check before calling the service department.

Confirm that the Projector's power cord is connected correctly at both ends and that the remote control is operating normally.

Make sure that the Projector cable is firmly connected.

Unable to find a Channel

When using a broadcast receiver such as set-top box and IPProjector, check the connection to the Projector.

-  >  (left directional button) >  [Connected Devices](#) > [Connection Guide](#) [Try Now](#)

When the symptom persists, contact your service provider.

The Projector image does not look as good as it did in the store.

Store displays are tuned to a digital UHD channel or HD channel.

Change the output resolution of your devices such as digital broadcast receiver, IPProjector and set-top box to UHD or HD.

Be sure to use an HDMI cable to enjoy high quality videos.

-  >  (left directional button) >  [Connected Devices](#) > [Connection Guide](#) > [Video Device](#) > [HDMI](#)

To connect the Projector with your PC, make sure that your PC's graphic card supports UHD resolutions.

For more information about the supported UHD resolutions, refer to "[Supported Resolutions for UHD Input Signals](#)".

-  Make sure that the set-top box or cable box supports the content or broadcast for UHD and set the resolution. For more information, contact your service provider.
-  When using a [Samsung TV Plus](#) channel, check the network connection. When the network speed is slow, the app may not work or the image quality may be poor.

Displayed video looks blurry

If you notice blurring or juddering on the screen, use the [Picture Clarity Settings](#) function to resolve the issue.

-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [Picture](#) > [Expert Settings](#) > [Picture Clarity Settings](#) [Try Now](#)

The picture is distorted.

The compression of video content may cause picture distortions, especially in fast moving pictures from sports programmes and action movies.

Remove and reconnect the power cord, and check the remote control battery.

If the signal reception is weak or poor, screen distortion may be visible but it is not a malfunction.

Mobile phones used close to the Projector (within 1 m) may cause noise on analogue and digital channels.

There is a dotted line on the edge of the screen.

Change [Picture Size](#) to [16:9 Standard](#).

-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [Picture](#) > [Picture Size Settings](#) > [Picture Size](#)
[Try Now](#)

Change the output resolution of your external device.

The picture won't display in full screen.

HD channels will have black bars on either side of the screen when displaying upscaled SD (4:3) content.

Black bars will appear at the top and bottom of the screen when you watch movies that have aspect ratios different from your Projector.

Adjust the picture size options on your external device or set the Projector to full screen.

-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [Picture](#) > [Picture Size Settings](#) > [Picture Size](#)
[Try Now](#)

The Subtitle function in the Projector menu is deactivated.

When an external device is connected with an HDMI or Component cable, the [Subtitle](#) function is unavailable.

Adjust the subtitle setting on the external device.

Subtitles appear on the Projector screen.

Turn off the [Subtitle](#) function in [Subtitle Settings](#).

-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Accessibility](#) > [Subtitle Settings](#) > [Subtitle](#) [Try Now](#)

The HDR of the connected external device turns off.

If the [Input Signal Plus](#) feature is turned on, the range of receiving HDMI input signals is expanded, allowing you to view HDR content sent from an external device.

-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [Connection](#) > [External Device Manager](#) > [Input Signal Plus](#) [Try Now](#)

Sound and Noise Issues

When the Projector has difficulties with sound, these steps may help resolve the problem.

How can I connect an audio device to the Projector?

The connection method may differ depending on the audio device such as HDMI (eARC/ARC), Optical, Bluetooth and Wi-Fi.

For more information about how to connect an audio device, run [Connection Guide](#).

-  >  (left directional button) >  [Connected Devices](#) > [Connection Guide](#) > [Audio Device](#)

There is no sound or the sound is too low at maximum volume.

Check the volume control of your Projector, and then check the volume control of the external device (cable box or satellite box, DVD, Blu-ray, etc.) connected to your Projector.

Check the cable connection between an external device and the Projector, and then try cable connection again.

The picture is good but there is no sound.

Check the [Sound Output](#) setting.

If it is set to [Projector Speaker](#), check the volume setting.

-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [Sound](#) > [Sound Output](#) [Try Now](#)

If you are using an external device, check the device's audio output option.

For example, you may need to change your cable box's audio option to HDMI if the box connected to your Projector is using an HDMI cable.

To listen to computer sound, connect an external speaker to the computer's audio output connector.

If your Projector has a headphone jack, make sure there is nothing plugged into it.

Reboot the connected device by disconnecting and then reconnecting the device's power cord.

With a set-top box or cable box, check the cable connection and reboot the external device. When the symptom persists, contact your service provider.

HDMI (eARC/ARC) is connected, and there is no sound.

Check whether [Digital Output Audio Format](#) is set to [Pass-through](#).

If a soundbar or A/V receiver that does not support [Dolby Digital+](#) is used and [Pass-through](#) is selected, there is no sound when a [Dolby Digital+](#) source is received.

It is recommended to set [Digital Output Audio Format](#) to [Auto](#) if only limited audio format is supported depending on the performance of the connected soundbar or A/V receiver.

-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [Sound](#) > [Expert Settings](#) > [Digital Output Audio Format](#) > [Auto](#)

The speakers are making an odd sound.

Run [Sound Test](#).

-  >  (left directional button) >  [Settings](#) > [Support](#) > [Device Care](#) > [Self Diagnosis](#) > [Sound Test](#) [Try Now](#)

Make sure that the audio cable is connected to the correct audio output connector on the external device.

The sound is interrupted.

Sound quality may become affected if the wireless router is close to the Bluetooth speaker. Place the Bluetooth speaker as close as possible to the Projector without obstacle between them. Do not place the wireless router close to the Bluetooth speaker body.

To minimise interruptions, we recommend a wireless access point that uses a 5 GHz frequency. 5 GHz may not be available depending on the model.

When the symptom persists, it is recommended to use wired connection such as HDMI (eARC/ARC) and Optical.

Whenever a function is used on the Projector or the channel is changed, the Projector voices the activity. The Projector explains in voice-over the video scenes displayed on the screen.

Turn off the [Voice Guide](#) function in [Voice Guide Settings](#).

-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Accessibility](#) > [Voice Guide Settings](#) > [Voice Guide](#) [Try Now](#)

The Projector audio is not being played through the Soundbar or A/V receiver.

Check the Soundbar or A/V receiver's power supply and its settings.

- When connecting the optical cable between the Projector and Soundbar or A/V receiver, make sure that the sound output is set [Receiver \(Optical\)](#) on your Projector.
- In case of HDMI-eARC connection, make sure that it is connected to the eARC dedicated HDMI port on your Projector. However, the eARC can be used only when the Soundbar or A/V receiver supports the eARC feature.

The sound is not heard clearly.

Change to an appropriate sound mode.

-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [Sound](#) > [Sound Mode](#) [Try Now](#)

When [Intelligent Mode](#) and [Adaptive Sound Pro](#) are turned on, the sound effects are automatically adjusted to the surroundings.

-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Intelligent Mode Settings](#) > [Intelligent Mode](#) [Try Now](#)

 This function may not be supported depending on the model.

To optimise the sound depending on the surroundings, select [Adaptive Sound Pro](#).

-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Intelligent Mode Settings](#) > [Adaptive Sound Pro](#) [Try Now](#)

 This function may not be supported depending on the model.

The volume of the external device cannot be adjusted.

Check the cable connection between the Projector and the external device.

When connecting an external speaker such as home theatre via HDMI, make sure it is connected to the HDMI (eARC/ARC) port on the Projector. Make sure that the  >  (left directional button) >  [Settings](#) > [All Settings](#) > [Connection](#) > [External Device Manager](#) > [Anynet+ \(HDMI-CEC\)](#) is active on your Projector. [Try Now](#)

 If a device is connected via Optical, volume control may not be possible, depending on the device.

I want to turn the Projector and audio device off and on at the same time.

When you connect the Samsung Soundbar to the Projector via Bluetooth, the power turns off and on together. It may not be supported depending on the Samsung Soundbar model.

When you connect an audio device that supports HDMI eARC to the HDMI (eARC) port on the Projector, the power turns off and on together.

External Device Connectivity Issues

When the Projector has difficulties connecting to external devices such as a PC, game console or mobile device, these steps may help resolve the problem.

The "Mode Not Supported" message appears.

Adjust the output resolution of the external device to a resolution supported by the Projector.

The video is OK but there is no audio.

If you are using an HDMI connection, check the audio output setting on your PC.

If you are using a DVI to HDMI cable, a separate audio cable is required.

To listen to the computer sound, connect external speakers to the audio output connection of the computer.

I want to connect to a PC and mobile device via screen mirroring.

To wirelessly connect the Projector to your PC, read the instructions at [PC > Screen Sharing \(Wireless\)](#) in [Connection Guide](#), and then try to connect.

-  >  (left directional button) >  [Connected Devices](#) > [Connection Guide](#) > [PC](#) > [Screen Sharing \(Wireless\)](#)

Confirm that the Projector and your PC are connected to the same network.

To wirelessly connect the Projector to your mobile device, read the instructions at [Smartphone > Screen Sharing \(Smart View\)](#) in [Connection Guide](#), and then try to connect.

-  >  (left directional button) >  [Connected Devices](#) > [Connection Guide](#) > [Smartphone](#) > [Screen Sharing \(Smart View\)](#) [Try Now](#)

If the Projector has difficulties connecting to your PC or mobile device due to surrounding radio interferences, change the frequency of the wireless access band, and then try to connect.

No screen appears when connecting the Projector to an external device.

For more information about how to connect an external device, run [Connection Guide](#).

-  >  (left directional button) >  [Connected Devices](#) > [Connection Guide](#) [Try Now](#)

Make sure that the external device is connected securely and turned on. Move to Sources to switch to other input sources.

-  >  (left directional button) >  [Connected Devices](#) > Sources

Using [HDMI Troubleshooting](#), you can check the connection to HDMI cable and external devices (takes approximately 2 minutes).

-  >  (left directional button) >  [Connected Devices](#) > [Connection Guide](#) > [Video Device](#) > [HDMI Troubleshooting](#)

When using a set-top box or cable box, check the broadcast signals or the network that is connected to the external device.

I want to connect to a Bluetooth speaker.

For more information on how to connect a Bluetooth speaker, see [Audio Device](#) > [Bluetooth](#) in [Connection Guide](#).

-  >  (left directional button) >  [Connected Devices](#) > [Connection Guide](#) > [Audio Device](#) > [Bluetooth](#)

The PC screen does not appear or it flickers.

When the PC screen does not appear or the PC is not recognised, check the power supply of the PC and then reconnect the HDMI cable between the PC and Projector. When the symptom persists, check that the PC is in Sleep mode, and then set [Input Signal Plus](#) to [On](#).

-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [Connection](#) > [External Device Manager](#) > [Input Signal Plus](#) [Try Now](#)

When the set resolution is not matched, it may cause a blank or flickering screen. For the PC supported resolution, refer to "[Read Before Connecting a Computer \(Supported Resolutions\)](#)".

Network Issues

When the Projector has difficulties connecting to the Network, these steps may help resolve the problem.

Wireless network connection failed. Unable to connect to a wireless access point. Unable to connect to the network.

 >  (left directional button) >  [Settings](#) > [Support](#) > [Device Care](#) > [Self Diagnosis](#) > [Smart Hub Connection Test](#) [Try Now](#) [Try Now](#)

Ensure that the network cable is connected and the router is powered on.

Connect your mobile device to the router via Wi-Fi.

Turn the router off and back on again. (Requires 2 to 3 minutes)

If a security key is required, make sure it has been entered correctly.

Unplug the Projector's power cord and plug it back in or press and hold the power button for at least 3 seconds.

Make sure that there is no electromagnetic wave generating device placed between the Projector and router.

If unable to establish a wireless internet connection, connect the Projector to the wireless router via a LAN cable.

If the Projector is able to connect to the internet normally via the cable connection, there might be a problem with the wireless router. In this case, try using a different wireless router.

 Wired networks are not supported by some models.

Wired network connection failed.

Check if the LAN cable is plugged in on both ends. If it is plugged in, check if the access point is turned on. If it is on, turn it off, wait 1 or 2 minutes, and then turn it on.

 Wired networks are not supported by some models.

Connected to a local network, but not to the Internet.

1. Check if the Internet LAN cable is connected to the access point's external LAN port.
2. Check the DNS setting in [IP Settings](#).

–  >  (left directional button) >  [Settings](#) > [All Settings](#) > [Connection](#) > [Network](#) > [Network Status](#) > [IP Settings](#)

 Wired networks are not supported by some models.

Anynet+ (HDMI-CEC) Issues

When Anynet+ (HDMI-CEC) isn't working, these steps may help resolve the problem.

What is Anynet+?

You can use the Projector's remote control to control external devices that support Anynet+ (HDMI-CEC) and that are connected to the Projector via an HDMI cable. For example, if a connected external device supports Anynet+, you can have the connected device turn on or off when you turn the Projector on or off.

Anynet+ does not work. The connected device is not displayed.

Make sure the device is an [Anynet+ \(HDMI-CEC\)](#) device. From the settings menu on the device, check and confirm that the HDMI-CEC option is enabled.

From the Projector, check and confirm that the [Anynet+ \(HDMI-CEC\)](#) feature is set to On.

-  > ≡ (left directional button) >  [Settings](#) > [All Settings](#) > [Connection](#) > [External Device Manager](#) > [Anynet+ \(HDMI-CEC\)](#) [Try Now](#)

Check and confirm that the device's power cord is securely plugged in.

Check the device's HDMI cable connection.

[Anynet+ \(HDMI-CEC\)](#) cannot function under specific circumstances. (when the Projector is scanning channels or performing [Factory data reset](#))

When connecting or disconnecting an HDMI cable, turn the Projector off and then back on again.

I want to start Anynet+. I also want the connected devices to turn on when the Projector is turned on.

Check if the Anynet+ device is properly connected to the Projector, and then select [Anynet+ \(HDMI-CEC\)](#) menu to see if [Anynet+ \(HDMI-CEC\)](#) is set to On.

-  > ≡ (left directional button) >  [Settings](#) > [All Settings](#) > [Connection](#) > [External Device Manager](#) > [Anynet+ \(HDMI-CEC\)](#) [Try Now](#)

I want to exit Anynet+. It is inconvenient to turn on other devices because the Projector also turns on. It is inconvenient because the connected devices (e.g. set-top box) turn off together.

To turn off the Anynet+ function of a device connected to the Projector, turn off the [Anynet+ \(HDMI-CEC\)](#) function of the device.

-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [Connection](#) > [External Device Manager](#) > [Anynet+ \(HDMI-CEC\)](#) [Try Now](#)

When [Anynet+ \(HDMI-CEC\)](#) is turned off, the soundbar connected via the HDMI (eARC) port does not turn off and on together with the Projector. To prevent a specific device connected to the Projector from turning off automatically, turn off the HDMI-CEC function on a specific device connected to the Projector.

The message "Connecting to Anynet+ device..." or "Disconnecting from Anynet+ device" appears on the screen.

You cannot use the remote control when the Projector is configuring Anynet+ or switching to the Projector viewing screen.

Use the remote control after the Projector has completed the Anynet+ configuration or has switched to the Projector viewing screen.

The Anynet+ device won't play.

You cannot use the play function when [Factory data reset](#) is in progress.

Remote Control Issues

When the remote control isn't working, these steps may help resolve the problem.

The remote control does not work.

The connection between the remote control and the Projector may be lost.

Point the Samsung Smart Remote at the front of the Projector, and then press and hold the  and  buttons simultaneously for 3 seconds or more.

Also, if the remote control does not work properly or its response is very slow, the battery might be low or dead.

- Charge the remote control by using the USB port (C-type) on the bottom, or turn over the remote to expose the solar cell.
- If the remote control has batteries, replace them with new ones.

External devices cannot be operated with the Projector remote control.

Check the cable connection between the Projector and external devices.

When the symptom persists, set it manually in  >  (left directional button) >  [Connected Devices](#) > [Universal remote setup](#).

Apps

When apps aren't working, these steps may help resolve the problem.

I cannot find the app I want.

To use smart functions, you should connect to a network, agree to the terms and conditions, and log in with your Samsung account. If these settings were not configured during the initial setting process, you can configure Smart Hub settings by running [Apps](#) from the Home Screen.

-  > left directional button >  [Home](#) > [Apps](#)

If Smart Hub settings are complete but the app you want cannot be found on the Home Screen, you can find the app from  [Search](#) or [Apps](#). To add frequently used apps to the Home Screen, run the [Add to Home](#) feature from [Apps](#).

-  > left directional button >  [Home](#) > [Apps](#) > [App Settings](#) > List of installed apps > [Add to Home](#)

I launched an app, but it's in a different language. How can I change the language?

Languages supported by an app may be different from the Projector [Language](#) set in the menu.

The ability to change the language depends on the app's provider. Change the language from the settings menu in the app.

The app does not work properly. Its image quality is poor.

Check the network connection. When the network speed is slow, the app may not work or its image quality may be poor.

Uninstall and reinstall the app. For more information about app uninstallation, refer to "[Managing installed apps](#)".

The services of your application are not provided by the Projector but by the application service provider.

Refer to the Help section on the application service provider's website.

The Smart Hub Home Screen keeps appearing whenever you turn on the Projector.

Turn off the [Start with Smart Hub Home](#) function in [Start Screen Options](#).

-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Start Screen Options](#) > [Start with Smart Hub Home](#) [Try Now](#)

Media Files

When files don't play, this may help resolve the problem.

Some files are interrupted during playback.

This problem may occur with unsupported files or high-bitrate files. Most files can be played back, but some files may not play smoothly.

Some files can't be played.

Some files that use an unsupported codec may not be played back.

Make sure that the codec is supported by the Projector. For more information about the supported codecs, refer to ["Read Before Playing Photo, Video or Music Files"](#).

Voice Assistant Issues

When the Voice Assistant isn't working, these steps may help resolve the problem.

The microphone is off.

Turn on the microphone switch at the bottom of the Projector. Each time the switch is turned on or off, the screen displays a pop-up window showing whether the microphone is turned on or off.

-  If the microphone is turned off, all voice recognition features and some sound features involving the microphone do not work.
-  The position and appearance of the microphone switch may differ depending on the model.
-  This function may not be supported depending on the model or geographical area.

The voice commands do not work well.

Voice commands may differ depending on the [Voice Assistant](#).

Refer to the command examples for each [Voice Assistant](#).

- **Bixby:**  >  [Discover Bixby](#)
- **Amazon Alexa:**  >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Voice](#) > [Amazon Alexa Settings](#) [Try Now](#)
-  This function and Voice Recognition Solution Partner may not be supported depending on the model or geographical area.

Bixby/Alexa answers although I did not call it.

The Projector may recognise an ambient noise or everyday conversation as a call to Voice Assistant.

Turn off the [Hands-free wake-up](#) function or set the [Wake-up Sensitivity](#) to [Low](#).

-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Voice](#) > [Bixby Settings](#) > [Voice Wake-up](#)
-  >  [Bixby Settings](#) > [Voice Wake-up](#)
-  This function and Voice Recognition Solution Partner may not be supported depending on the model or geographical area.

I spoke "Hi, Bixby/Alexa" but Bixby/Alexa does not answer.

When the Projector is far from you or the ambient noise is so loud, the Projector may be unable to recognise your voice.

- When the distance to the Projector is within 3 to 4 m, optimal performance is provided. Please look at your Projector screen and speak.

Turn on the [Hands-free wake-up](#) function.

-  >  [Bixby Settings](#) > [Voice Wake-up](#) > [Hands-free wake-up](#)

 This function and Voice Recognition Solution Partner may not be supported depending on the model or geographical area.

Voice recognition does not work with the Samsung Smart Remote unlike other features. There is no response even if the Voice Assistant button is pressed.

The connection between the remote control and the Projector may be lost. Try pairing the remote control with the Projector.

Point the Samsung Smart Remote at the front of the Projector, and then press and hold the  and  buttons simultaneously for 3 seconds or more.

Also, if the remote control does not work properly or its response is very slow, the battery might be low or dead.

- Charge the remote control by using the USB port (C-type) on the bottom, or turn over the remote to expose the solar cell.
- If the remote control has batteries, replace them with new ones.

During voice recognition, the heavy load message appears and the function does not work.

Unplug and then plug the Projector power cord and then try again after 1 minute and 30 seconds. It may take a while if the voice recognition server is being inspected.

I want to see weather information of the desired area.

Say with the area name included.

Other issues

Use these procedures to resolve other issues that may occur in relation to the product.

The Projector is hot.

Watching Projector for an extended period of time causes the panel to generate heat, which is released through the vents on the Projector.

The vents may feel hot to the touch when the Projector has been used for an extended period of time.

Adults should exercise extra care and ensure that children do not touch the vents on the Projector.

This heat, however, is not a defect and does not affect the Projector's functionality.

The Projector smells like plastic.

This smell is normal and will dissipate over time.

The settings are lost after 5 minutes or every time the Projector is turned off.

If **Usage Mode** is set to **Retail Mode**, the Projector's audio and video settings are automatically reset every 5 minutes.

Change **Usage Mode** to **Home Mode**.

-  >  (left directional button) >  **Settings** > **All Settings** > **General & Privacy** > **System Manager** > **Usage Mode** > **Home Mode**

 This function may not be supported depending on the model or geographical area.

The Projector is tilted to the side.

Remove the base stand from the Projector and reassemble it.

A POP (Projector's internal banner ad) appears on the screen.

Change [Usage Mode](#) to [Home Mode](#).

-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [System Manager](#) > [Usage Mode](#) > [Home Mode](#)

 This function may not be supported depending on the model or geographical area.

The Projector is making a popping noise.

The expansion and contraction of the Projector's outer casing may cause a popping noise.

This does not indicate a product malfunction.

The Projector is safe to use.

The Projector is making a humming noise.

Your Projector utilises high-speed switching circuits and high levels of electrical current. Depending on the Projector's brightness level, the Projector may seem slightly noisier than a conventional Projector.

Your Projector has undergone strict quality control procedures that meet our demanding performance and reliability requirements.

Some noise coming from the Projector is considered normal and is not an acceptable cause for an exchange or refund.

The screen is off, but I hear noise.

Even when the screen is off, noise may be heard if the product performs tasks in the background. Noise will not be heard after the tasks are completed.

- For example, noise may be heard when SmartThings is operating or the network is reconnected through Wi-Fi

The Projector narrates the screen events in voice-over.

To turn off [Voice Guide](#), move the focus from [Accessibility Shortcuts](#) to [Voice Guide](#) and then press the Select button. You can turn on or off [Voice Guide](#). To run [Accessibility Shortcuts](#), see the following:

- Press and hold the $+/-$ (Volume) button on your Samsung Smart Remote.

Diagnosing Projector operational issues

You can diagnose issues with your Projector and Smart Hub and run reset functions.

Self Diagnosis

 >  (left directional button) >  **Settings** > **Support** > **Device Care** > **Self Diagnosis** 

Check whether the product is displaying images and playing sounds normally. Check whether modules and sensors are working normally. You can also configure settings related to Smart Hub reset.

 Some functions may not be supported depending on the model or geographical area.

- **Power**
View information on the power supply history.
- **SW Version Information**
Check the currently installed software version, and update the software to the latest version, if necessary.
- **Video Test**
Play test videos to check for problems with the screen.
- **Picture Test**
Use test photos to check for problems with the screen.
- **Sound Test**
Play test sounds to check the sound quality.
- **Remote Control**
Check for problems with the Remote Control connection or buttons.
- **HDMI Troubleshooting**
Select the HDMI port and check whether the HDMI cable is connected properly.
- **HDMI Signal**
Check the signals, signal records and connections of external devices.
- **HDMI-CEC Check**
Check for an abnormally operating HDMI-CEC connection.

- **Smart Hub Connection Test**

Check the network connection.

- **Wi-Fi**

Check whether the Wi-Fi module is working normally. The result may appear to be a failure if there is no available access point (AP) in the vicinity.

- **Bluetooth**

Check whether the Bluetooth module is working normally.

- **Reset Smart Hub**

Reset the Smart Hub information.

Reset Smart Hub

Resets all Smart Hub settings to their factory defaults and deletes all information related to Samsung accounts, linked service accounts, Smart Hub service agreements and Smart Hub applications.

-  >  (left directional button) >  [Settings](#) > [Support](#) > [Device Care](#) > [Self Diagnosis](#) > [Reset Smart Hub](#)
[Try Now](#)

Reset picture

Resets current picture settings to the default settings.

-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [Picture](#) > [Expert Settings](#) > [Reset Picture](#)
[Try Now](#)

Reset sound

Resets current sound settings to the default settings.

-  >  (left directional button) >  [Settings](#) > [All Settings](#) > [Sound](#) > [Expert Settings](#) > [Reset Sound](#)
[Try Now](#)

Getting Support

Get help directly from Samsung if you have a problem with your Projector.

Getting support through Remote Management

 >  (left directional button) >  **Settings** > **Support** > **Remote Management** 

After consenting to our service agreement, you can use **Remote Management** to access Remote Support and have a Samsung service technician diagnose your Projector, correct problems and update your Projector's software remotely via the web. You can also turn **Remote Management** on and off.

 This function requires a network connection.

Finding the contact information for service

 >  (left directional button) >  **Settings** > **Support** > **About Projector** 

You can view the address of the Samsung website, the call centre phone number, your Projector's model number, your Projector's software version, Open Source License and other information you may need to get service support from a Samsung Service Centre or the Samsung website.

 You can also view information by scanning the QR code of your Projector.

 You can also start this function by pressing and holding the  button for 5 or more seconds. Continue holding the button until the customer information pop-up window appears.

Requesting service

 >  (left directional button) >  **Settings** > **Support** > **Device Care** > **Request Support** 

You can request service when you encounter a problem with the Projector. Select the item matching the problem that you encountered, enter the required item, move the focus to **Next**, and then press the Select button. Select **Request Now** > **Send** or **Schedule Appointment** > **Request** > **Send**. Your service request will be registered. The Samsung Contact Centre will contact you to set up or confirm your service appointment.

 You must agree to the terms and conditions for the service request.

 This function may not be supported depending on the geographical area.

 This function requires a network connection.

Accessibility Guidance

Provides a menu and a remote control guide that aid the visually impaired.

Menu Learning Screen

Learn the menus on the Projector screen. Once enabled, your Projector will tell you the structure and features of the menus you select.

Using the Remote control

You can see the description of the buttons on the Samsung Smart Remote.

 The Samsung Smart Remote may not be supported depending on the model or geographical area.

Orientation of the Samsung Smart Remote

Hold the remote control with the buttons facing towards you. The side with the button in the upper left is the top of the remote control.

Description of the Samsung Smart Remote

 The images, buttons and functions of the remote control may differ with the model or geographical area.

From top to bottom and left to right:

- The  button is at the top left.
- Of the 2 buttons below the  button on the Samsung Smart Remote, the left one is the  button and the right one is the  button.
- There is a small LED (microphone) between the  button and the  button on the Samsung Smart Remote, but it cannot be felt by hand.

- Underneath these two buttons are a round button and a large outer circle button. The round button is the Select button and the large outer circle button consists of 4 directional buttons (up / down / left / right).
 - Underneath the directional button are three buttons, one on the left, one on the right and one in the centre. The one on the left is the  button and the one on the right is the  button. The round button in the middle is the  button.
 - Underneath the  button are two thin horizontal buttons. These buttons protrude higher above the surface than the other buttons on the remote control. The one on the left is the volume button and the one on the right is the channel button. Push up from beneath or down from above to use these as rocker buttons to change the channel or volume.
 - Briefly press the $+/-$ (Volume) button to mute the sound.
 - Press and hold the $+/-$ (Volume) button to open the [Accessibility Shortcuts](#) menu.
 - Briefly press the $^/\vee$ (Channel) button to open the [Guide](#).
 - Press and hold the $^/\vee$ (Channel) button to open the [Channel List](#).
-  This function may not be supported depending on the model or geographical area.

Using the accessibility menu

View how to use the Accessibility menu functions and description of its functions.

 This function may not be supported depending on the model or geographical area.

Running the Accessibility Shortcuts menu

You can turn on or turn off the accessibility functions such as [Voice Guide](#), [Audio Subtitles](#), [Picture Off](#), [Magnification](#), [High Contrast](#), [Zoom Menu and Text](#), [Greyscale](#), [Colour Inversion](#), [SeeColors Mode](#), [Subtitle](#), [Sign Language Zoom](#), [Slow Button Repeat](#), [Auto Menu Sort](#), and you can move to the [Learn Remote](#), [Menu Learning Screen](#), [Multi-output Audio](#), and [Accessibility Settings](#) pages.

- Samsung Smart Remote

On the Samsung Smart Remote, there are two thin horizontal rocker buttons next to each other located slightly below the middle of the remote. The one on the left is the volume button. Press and hold the volume button to open the [Accessibility Shortcuts](#) menu.

Even if the [Voice Guide](#) is set to [Off](#) or muted, when you press and hold the volume button, the voice guide for [Accessibility Shortcuts](#) is enabled.

Running the Accessibility menu functions using the General menu

 >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Accessibility](#)
[Try Now](#)

You can also go to the [Accessibility](#) menu from the Projector settings menu. This provides more options, for example, to change the speed of Voice Guide.

The Projector will not verbalise this menu unless [Voice Guide](#) is already turned on.

1. Press the  button.
2. Press the left directional button to navigate to  [Menu](#), and then press the up and down directional buttons to navigate to  [Settings](#).
3. Press the Select button, and press [All Settings](#) to open the menu. Press Select to load the Projector's Set menu.
4. Press the down directional button to reach [General & Privacy](#), and then press the Select button to open this menu.

5. Place the focus on **Accessibility**, and press the Select button to open the menu.
6. The menu will appear with **Voice Guide Settings** as the first selection. Highlight **Voice Guide Settings**, and then press the Select button.
7. A menu appears with the options to change **Voice Guide** and **Volume, Speed, Pitch**, Projector Background Volume.
8. Select the menu using the directional buttons, and then press the Select button.

 The menus are activated when **Voice Guide** is on.

Running the Accessibility menu functions using Bixby

 This function is available only if Voice Assistant is set to Bixby. (Home) > ≡ (left directional button) > ⚙️ **Settings** > **All Settings** > **General & Privacy** > **Voice** > **Voice Assistant** [Try Now](#)

 Bixby may not be supported depending on the model or geographical area.

To use Bixby, the Projector must be set up and tuned and must be connected to the network. You can connect the Projector to the network during the initial setup or do it later through the settings menu.

There are many commands you can say to control the Projector. These can be used together with **Voice Guide** to give you voice input and voice output. You can use the Samsung Smart Remote but the Projector must be connected to the network.

To speak a command, press and hold the  button (located near the top right of the Samsung Smart Remote, directly right the  button) and say the command, and then release the  button. The Projector will confirm the command.

For example you can:

- Turn Voice Guide on

Press the  button on the Samsung Smart Remote, and then say "Voice Guide on".

- Turn High Contrast on

Press the  button on the Samsung Smart Remote, and then say "High Contrast on".

Learning about the Accessibility menu functions

- **Voice Guide Settings**

This function works on every screen on the Projector and when turned on verbally tells you what the Projector's current settings are and verbally provides details about the programme you are watching. For example, it tells you the selected volume and the current channel and gives you programme information. It also reads out the programme information from the **Guide** screen.

- **Audio Description Settings**

You can activate an audio guide that provides an audio description of video scenes for the visually impaired. This function is only available with broadcasts that provide this service.

- **Audio Subtitles Settings**

This feature is intended for visually impaired viewers and audibly reads captions displayed on video content. You can change the volume or speed of audible captions.

 This function may not be supported depending on the model or geographical area.

- **Picture Off**

Turn off the Projector screen and provide only sound to reduce overall power consumption. When you press a button on the remote control other than Volume and Power while the screen is off, the Projector screen turns back on.

- **Magnification**

Enlarge the screen to make the picture or text bigger. You can adjust the zoom level or move the zoom area by following the displayed instructions.

 **Magnification** may not work on some menus or screens.

 This function may not be supported depending on the model or geographical area.

- **High Contrast**

To display all menus with an opaque black background and a white font, providing maximum contrast.

 If **High Contrast** is on, some **Accessibility** menus are not available.

- **Zoom Menu and Text**

You can enlarge important elements on the menu such as the names of programmes.

- **Greyscale**

You can change the colour of the Projector screen to black and white to sharpen blurred edges caused by colours.

 If **Greyscale** is on, some **Accessibility** menus are not available.

 This function may not be supported depending on the model or geographical area.

- **Colour Inversion**

You can invert the colours of the text and background displayed on the Projector screen to make it easier to read the text.

 If **Colour Inversion** is on, some **Accessibility** menus are not available.

 This function may not be supported depending on the model or geographical area.

- **SeeColors Mode**

This feature helps users with colour blindness experience richer colours. Use this feature to customise the colours for your unique viewing conditions, to experience richer colours on the screen.

 When **SeeColors Mode** is in use, some menus are disabled.

 This function may not be supported depending on the model.

- **Learn Remote**

Learn the names and functions of the buttons on remote control. On this screen, pressing the power button (top left button) will turn off the Projector, but when any other button is pressed the Projector will say the button name and briefly tell what that button does. This teaching mode helps you to learn the location and operation of the buttons on the remote without affecting normal Projector operation. Press the  button twice to exit **Learn Remote**.

- **Menu Learning Screen**

Learn the menus on the Projector screen. Once enabled, your Projector will tell you the structure and features of the menus you select.

- **Subtitle Settings**

You can view the subtitle in programmes that provide broadcast subtitles.

 When watching a channel on an external device such as a set-top box and cable box, turn on the subtitle function on the device. For more information, contact your service provider.

- **Sign Language Zoom Settings**

You can zoom in the sign language screen when the programme you are watching provides it.

- **Multi-output Audio**

You can turn on both the Projector speaker and Bluetooth headphone designed for the hearing impaired at the same time. The hearing impaired can then set the volume of their Bluetooth headphone higher than the volume of the Projector speaker without affecting the volume of the Projector speaker, allowing both the hearing impaired and their families to listen to the Projector at comfortable sound levels.

 This function may not be supported depending on the model or geographical area.

- **Remote Button Repeat Settings**

You can configure the operation speed of the remote control buttons so that they slow down when you continually press and hold them.

Using the Projector with Voice Guide on

Turn on Voice Guide that describes the menu options aloud to aid the visually impaired.

Changing channel

You can change the channel in three of ways. Every time you change channels, the new channel details will be announced. The ways to change the channel are below.

- **Channel List**

Press and hold the \wedge/\vee (Channel) button to open the **Channel List**. Use the up or down directional button to move to a channel and press the Select button.

- \wedge/\vee (Channel) button

Of the two buttons that protrude from the centre of the Samsung Smart Remote, the right one is the \wedge/\vee (Channel) button. Push up or pull down the \wedge/\vee (Channel) button to change the channel.

- Number button

Use the  button on the Samsung Smart Remote to open the virtual numeric pad, enter a number, and then select **Done**.

Using on-screen number entry via the Samsung Smart Remote

Use the virtual numeric pad to enter numbers e.g. to enter a channel number or to enter a PIN.

Press the  button on the Samsung Smart Remote and the virtual numeric pad with 2 rows appears on screen. Voice Guide speaks “**virtual numeric pad, 6**” which indicates that the number strip is on screen and the focus is on the number 6. This strip has the following buttons:

- In the top row, a list of Most Watched Channel is shown.
- On the bottom row: From the far left: Colour pad, TTX/MIX, **1, 2, 3, 4, 5, 6, 7, 8, 9, 0**, Delete

 The menus may not appear depending on the model or geographical area.

 The options that you can select in the virtual numeric pad may vary depending on the viewing mode.

Use the left and right directional buttons to move along the row, and then press the Select button to choose the numeric pad. When you have finished selecting all the numbers you need (for example, 123), press the directional button to move to the **Done** option, and then press the Select button to finish.

When entering a channel number, you can enter the number, and then select the **Done** option on the top row or you can enter the channel number and wait. After a short while, the channel will change and the virtual numeric pad will disappear from the screen.

Changing volume

- Samsung Smart Remote

Use the **+/-** (Volume) button on the left to change the volume. Every time you change the volume, the new volume level will be announced.

Of the two buttons that protrude from the centre of the Samsung Smart Remote, the left one is the **+/-** (Volume) button. Push up or pull down the **+/-** (Volume) button to change the volume.

Using programme information

When watching Projector, press the Select button to view programme information which then appears at the top of the screen. Voice Guide will say programme subtitles or audio descriptions if they are available. To view more detailed programme information, press and hold the Select button. Voice Guide will say more details such as a synopsis of the programme.

Press the left or right directional button to see what you can watch next on the same channel. Press the up or down directional button to move to other channels and see which programmes are currently being broadcast on them.

Press  to go back or close the programme details.

 This function may not be supported depending on the model or geographical area.

Using the guide

See an overview of each channel's programme lineup.

When you want to know the programme information for each channel while watching a broadcast programme, press the ^/∨ (Channel) button on the Samsung Smart Remote. Use the directional buttons to view the programme information.

You can see the daily programme schedules for each broadcaster and programme information in the [Guide](#). You can select programmes to schedule for viewing or recording.

You can also open the [Guide](#) using Bixby. Press and hold the  button on your Samsung Smart Remote, and then say "Guide".

 This function may not be supported depending on the model or geographical area.

 The information in the [Guide](#) is for digital channels only. Analogue channels are not supported.

 If the [Clock](#) is not set, the Guide is not provided. Set the [Clock](#) first. (🏠 > ≡ (left directional button) > ⚙️ [Settings](#) > [All Settings](#) > [General & Privacy](#) > [System Manager](#) > [Time](#) > [Clock](#)) [Try Now](#)

If you need to set the clock again, follow the steps below.

1. Press the  button and press the left directional button on the remote control.
2. Press the down directional button to move to the  [Settings](#).
3. Press the Select button, and press the right directional button to move to the [All Settings](#).
4. Press the Select button to open the Projector's [All Settings](#) menu.
5. Use the up and down directional buttons to move to the [General & Privacy](#) menu, and then press the Select button.
6. Use the up and down directional buttons to move to the [System Manager](#) menu, and then press the Select button.
7. Select the [Time](#) menu, and then press the Select button.
8. Select the [Clock](#) menu, and then press the Select button.
9. Select the [Clock Mode](#) menu, press the Select button, and then select [Auto](#) or [Manual](#).

 If you select [Manual](#), you can move to the [Date](#) or [Time](#) menu below to set the time or date.

When you open the **Guide**, a table grid of channels and programmes is displayed. In the top rows, the selected filter type and the time are shown. Each row has a channel name on the left and programmes on that channel on the right.

In the **Guide**, use the up and down directional buttons to move between channels and use the left and right directional buttons to move between programmes at different times within a channel.

You can also use the  button to enter a channel number and go to that channel directly. You can use the  button to move to the programme currently broadcasting.

When you move the focus to a programme, you will hear the detailed informations about the selected programme. When you move the focus to a different channel, you will hear the channel name and number and the programme details. If you move to a different day, you will hear the day announced for the first programme you reach on that day. The day is not repeated, so if you are not sure what the day is, you can move forwards and backwards 24 hours and then the day will be announced.

To view a programme on now

In the **Guide**, move to the programme currently broadcasting, and then press the Select button to go to live Projector on the selected channel and programme.

Other options in the guide

In the [Guide](#), move to a broadcast scheduled programme, and then press the Select button. A pop-up menu listing the functions below appears.

Use the up and down directional buttons to move within this menu, and then press the Select button to choose an item. Press  to close the menu and go back to the [Guide](#).

 For the programme you are currently watching, press the Select button.

- [Schedule Viewing](#)

You can schedule the viewing of a broadcast scheduled programme.

- [Cancel Scheduled Viewing](#)

You can cancel your scheduled viewings.

 This function may not be supported depending on the model or geographical area.

- [View Details](#)

You can see the detailed information on the selected programme. The information may differ with the broadcast signal. If the information is not provided with the programme, nothing appears.

Press the Select button on the [View Details](#) option. This will open the details pop-up window for that programme which will display a synopsis. The details pop-up window contains detailed information and the [OK](#) option. After reading the detailed information, press the Select button on the remote control to close the pop-up window.

Using Schedule Viewing

Configure the Projector to show a specific channel or programme at a specific time and date.

 This function may not be supported depending on the model or geographical area.

The  icon appears next to programmes that have been configured for a schedule viewing.

 To set up a schedule viewing, you must first set the Projector's clock ( >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [System Manager](#) > [Time](#) > [Clock](#)) and set the time. [Try Now](#)

Setting up a schedule viewing

You can set up a schedule viewing on two screens.

- **The Guide Screen**

On the [Guide](#) screen, select a programme you would like to view, and then press the Select button. Select [Schedule Viewing](#) on the pop-up menu that appears.

- **The Programme Info Screen**

Press the Select button while watching the Projector. The Programme Info window appears. Select a broadcast scheduled programme by using the left or right directional buttons, and then press the Select button. You can schedule watching the programme by selecting [Schedule Viewing](#).

Cancelling a scheduled viewing

You have two ways to cancel a scheduled viewing.

- Cancelling a scheduled viewing from the [Guide](#)
 1. Press the \wedge/\vee (Channel) button to access the [Guide](#).
 2. Move to the programme to cancel the viewing schedule, and press the Select button.
 3. Move to [Cancel Scheduled Viewing](#), and then press the Select button.
 4. When a pop-up message asking you to cancel the selected scheduled viewing appears, select [Yes](#). The scheduled viewing is cancelled and the [Guide](#) screen appears.
- Cancelling a scheduled viewing from [Schedule Manager](#)
 1. On the Samsung Smart Remote, press the  button.
 2. Use the directional buttons to move to the control pad.
 3. Press the Select button to open [Schedule Manager](#).
 4. Press the up directional button to move to the [Schedules](#) option.
 5. Use the down directional button to move to the list of programmes scheduled to view.
 6. Use the right directional button to move to the [Delete](#) option, and then press the Select button to delete the selected item.

 This function may not be supported depending on the model or geographical area.

Using the Channel List

See how to list the channels available on your Projector.

Using **Channel List**, you can change the channel or check programmes on other digital channels while watching Projector.

Press and hold the \wedge/\vee (Channel) button to open the **Channel List**.

 The focus is on the channel you are currently watching, and the name and number of the channel, along with the programme title, are displayed.

Use the up and down directional buttons to move within the channel list (or use the \wedge/\vee (Channel) button to go up and down a page at a time). You can also use the  button to enter a channel number and go to that channel directly.

Press the left directional button in the **Channel List** to move to the Category list. Use the up and down directional buttons to move within this list. Press the Select button to choose a category you want from the Category list. The Category list contains **All**, **Samsung TV Plus**, **Favourites** and **Channel Type**. Use the up and down directional buttons to move to a channel you want to view, and then press the Select button.

 This function may not be supported depending on the model or geographical area.

- **Edit Channels**

Edit the channels stored on your Projector.

- **All Channels**

Displays the channels that have been automatically searched.

 The channels received to the currently selected **Terrestrial**, **Cable** or **Satellite** are displayed.

- **Samsung TV Plus**

While the Projector is connected to the network, you can watch popular programmes or highlights for each theme through a virtual channel at any time. As in a general channel, it provides the daily programme schedules of **Samsung TV Plus**.

 This function may not be supported depending on the model or geographical area.

- **Favourites**

Displays **Favourites 1** to **Favourites 5**. Use the up and down directional buttons to move between the lists of favourites. Highlight the one you want, and then press the Select button. The channel list will now show only the channels in this list.

- **Channel Type**

Filters the list so that it includes channels of a selected type. However, **Channel Type** can only be used channels contain the type information.

 This function may not be supported depending on the incoming broadcast signal.

Using Smart Hub

Learn how to use Smart Hub to access apps, games, movies and more.

Smart Hub

Use a variety of Smart Hub content offered by your Samsung Projector.

-  Some Smart Hub services are for pay services.
-  To use smart functions, you should connect to a network, agree to the terms and conditions, and log in with your Samsung account.
-  Some Smart Hub features may not be supported depending on the service provider, language or geographical area.
-  Smart Hub service outages can be caused by disruptions in your Internet service.

Press the  button. You are redirected to the Home Screen of the content you are currently using. Press the left directional button, and try moving the focus to other items.

Use a variety of Smart Hub content, as follows: [Samsung Account](#), [Search](#), [Ambient](#) or [Art](#), [Daily+](#), [Game](#), [Home](#), [Menu](#), [Privacy Choices](#)

-  Supported Smart Hub content may vary depending on the model and geographical area.

Using the Smart Hub Home Screen

On the leftmost part of the Smart Hub Home Screen is the static menu listed. You can quickly and easily use the listed menu items to access the main Projector settings or external devices, search and apps.

- **Samsung Account**

Go to the **Samsung Account** screen to create a new account or sign out of your account.

 For more information, refer to "[Using a Samsung account](#)".

- **Search**

Search for channels, programmes, movies, and apps offered by Smart Hub.

 To use the Search service, make sure the Projector is connected to a network.

 This function may not be supported depending on the model or geographical area.

- **Ambient**

Set your Projector to display content you desire, such as the time or weather, when the Projector is not used.

To return to Projector mode from **Ambient** mode, press  > the left directional button >  **Home**. Press the  button to turn off the Projector.

 This function may not be supported depending on the model or geographical area.

 For more information, refer to "[Using Ambient Mode](#)".

- **Daily+**

Offers a variety of practical apps, including a home workout app, video chat app and remote medical service app, allowing you to conveniently experience different lifestyles at home.

 This function may not be supported depending on the model or geographical area.

 For more information, refer to "[About the Daily+ Home screen](#)".

-  **Home**

View a variety of Projector programmes. Install various apps offered by Smart Hub, such as video, music and sports apps, and use the apps from the Projector.

 For more information, refer to "[Using the Home Function](#)".

-  **Menu**

Manage external devices connected to the Projector, and configure settings for various functions available on the Projector.

 For more information, refer to "[About the Menu Home Screen](#)".

-  **Privacy Choices**

From your Projector, easily manage the privacy policy regarding services related to Smart Hub and verify how personal information is protected.

 To use Smart Hub, you must agree to the Smart Hub service agreement and the collection and use of personal information. Without giving consent, you will not be able to use the additional features and services. You can view the entire text of the [Terms & Privacy](#) by navigating to  >  (left directional button) >  [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Terms & Privacy](#). [Try Now](#)

 In order to rescind your consent to mandatory terms and conditions related to Smart Hub, launch [Reset Smart Hub](#) ( >  (left directional button) >  [Settings](#) > [Support](#) > [Device Care](#) > [Self Diagnosis](#) > [Reset Smart Hub](#)). [Try Now](#)

 This function may not be supported depending on the model or geographical area.

Launching the User guide

Open the user manual embedded in your Projector.

 >  (left directional button) >  [Settings](#) > [Support](#) > [Open User guide](#)

You can view the embedded User guide containing information about your Projector's key features.

 Alternatively, you can download a copy of the User guide from Samsung's website (<https://www.samsung.com>).

 Words in blue (e.g., [Internet](#)) indicate a menu item.

The User guide's Home Screen contains 1 row of menu icons. Use the left and right directional buttons to move within a row. Press the Select button to open the section you want to read.

 You can use the directional buttons on the remote control to use the functions on the top such as [Search](#), [Site Map](#), and [Index](#).

The User guide contains a section called "**Learn Remote**" in "**Accessibility Guidance**". This is particularly useful for people who cannot easily see the buttons on the control or who are not clear what each button does. When you are viewing this section of the User guide, pressing the buttons on the remote control will not affect the Projector.

Using Bixby

Set Voice Assistant to Bixby. Speak into the microphone on your Samsung Smart Remote or Projector to control your Projector.

To use Bixby, your Projector must be connected to the network and you must use the microphone on your Samsung Smart Remote.

To use Bixby, press and hold the  button on the Samsung Smart Remote, say a command into the microphone on the remote, and then release the button to run Bixby.

-  This function may not be supported depending on the model or geographical area.
-  The existing functional specifications may be changed if Bixby is updated.
-  This function is available only if Voice Assistant is set to Bixby. (Home) > ≡ (left directional button) > ⚙️ [Settings](#) > [All Settings](#) > [General & Privacy](#) > [Voice](#) > [Voice Assistant](#) [Try Now](#)
-  The supported language may differ depending on the geographical area.
-  The microphone on Projector is not supported depending on the model or geographical area.

Running Bixby

Press and hold the  button on the Samsung Smart Remote. Bixby is activated in the listening mode, the Bixby icon appears at the bottom of the Projector screen. Say a command, and then release the button. The Projector provides feedback on how it understands the command, and then performs the commanded task.

-  If the Projector does not understand the command, try again with more precise pronunciation.
-  This function may not be supported depending on the model or geographical area.
-  You can find a detailed description of the voice commands at [Discover Bixby](#). Press the  button. The  icon appears at the bottom right of the screen. Press the Select button to go to the [Discover Bixby](#) screen.