SAMSUNG

User guide

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www.samsung.com

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

Contents

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Troubleshooting

Accessibility Guidance

Menu Learning Screen

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.

Guide to screen adjustment

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

1. Move the Projector left/right to adjust the angle. Install the Projector on a flat surface, and move it so that the projected screen is rectangular.
    If your Projector is a model that has angle adjustment feet on the bottom, use the angle adjustment feet to adjust the height so that the projected screen is rectangular.

    🖉 Some models do not have angle adjustment feet on the bottom.
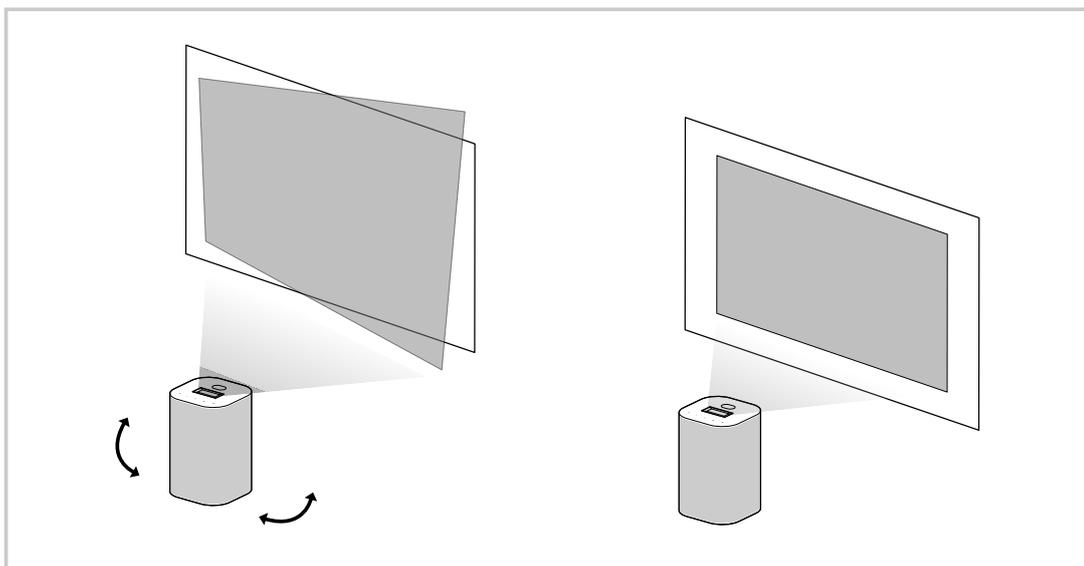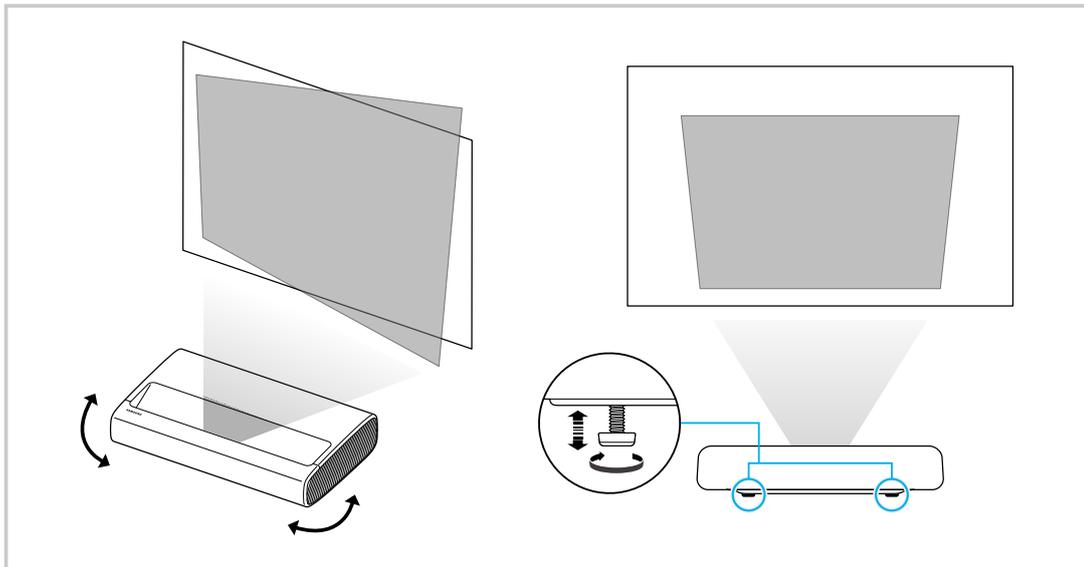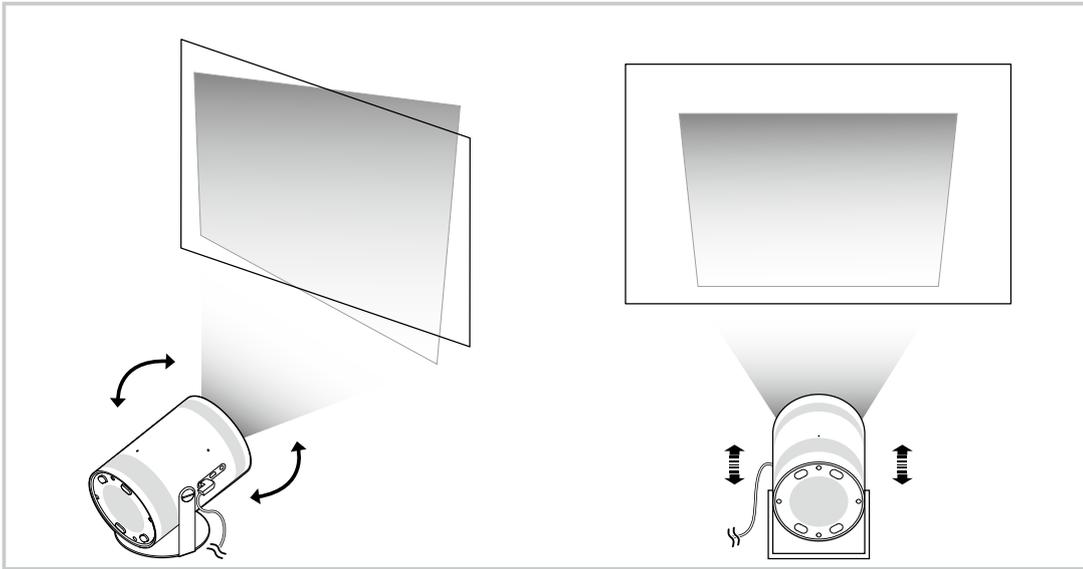
2. Move the Projector back and forth to adjust the screen size.
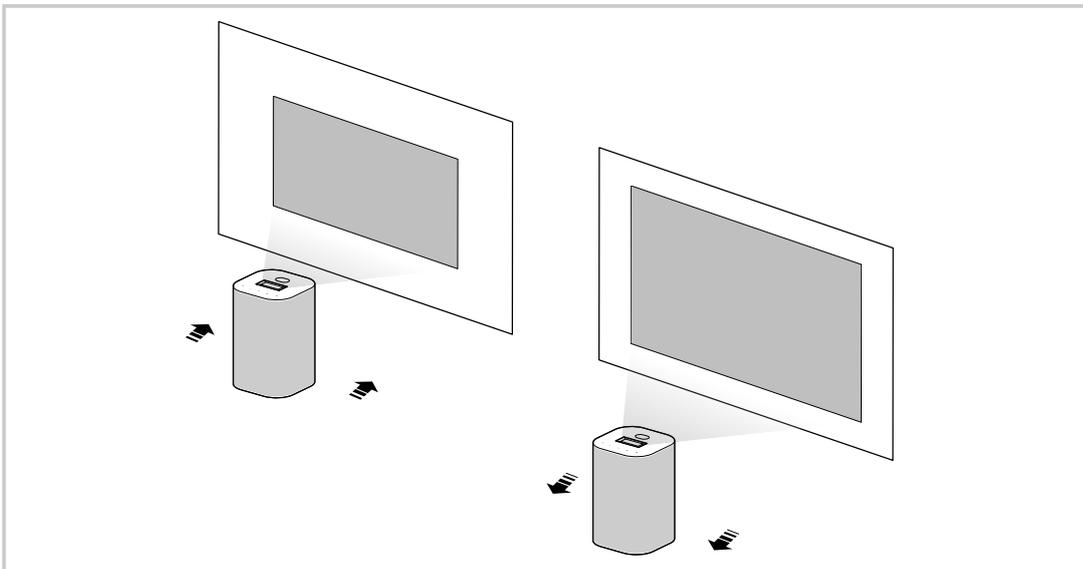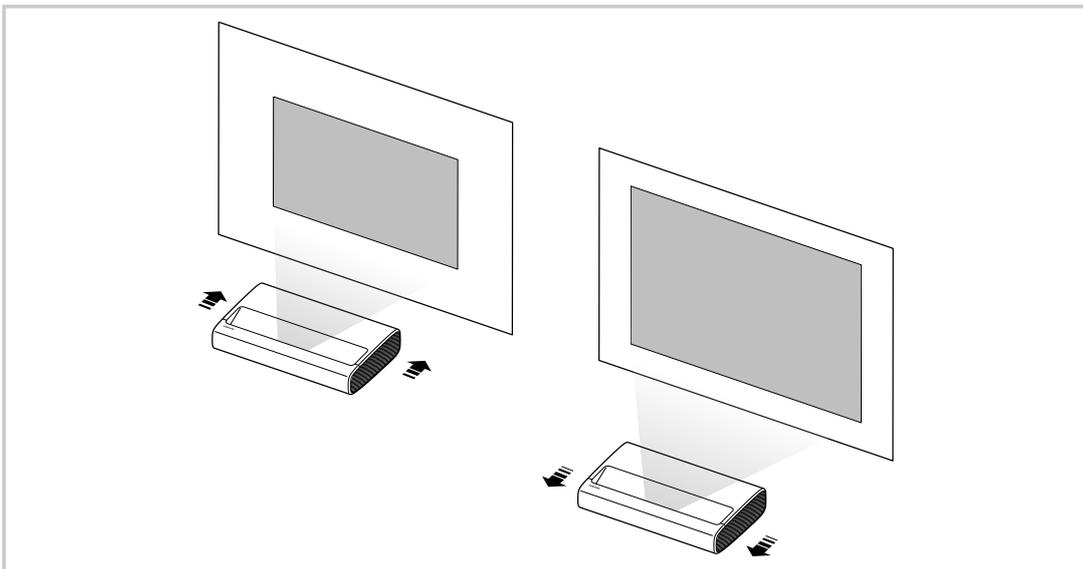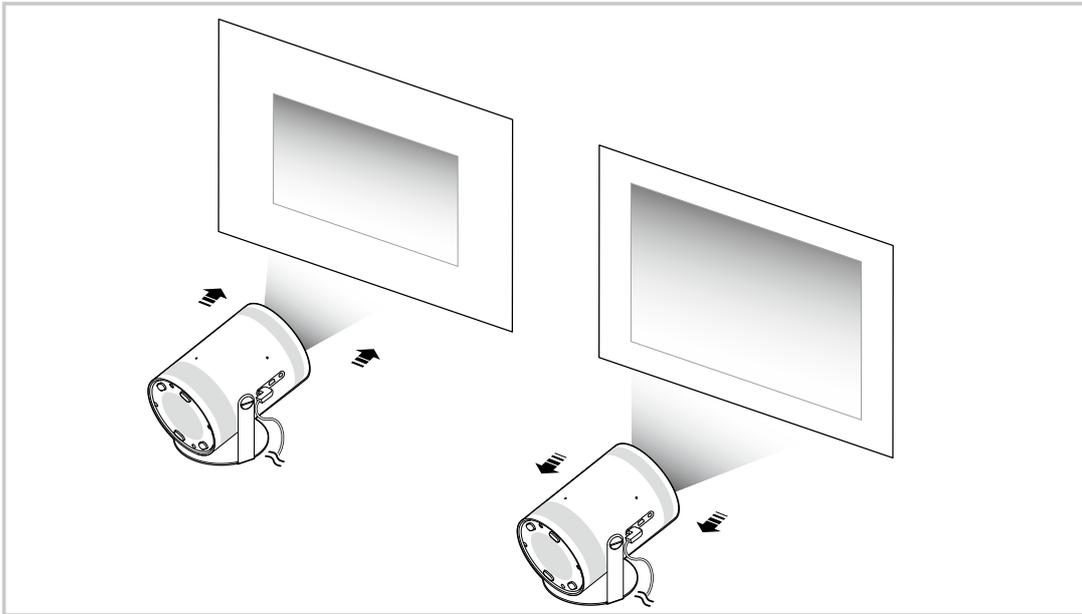
🖊 When the screen looks skewed or distorted, use the, **Keystone** (🏠 > ☰ (left directional button) > ⚙ **Settings** > **All Settings** > **Projector Settings** > **Keystone**) function. `Try Now`

🖊 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.

- **Auto Keystone**

  By selecting the menu, you can turn on or off the **Auto Keystone** function.

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

    🖉 Users' fine adjustment may be required, depending on the environment in which the product is used.

    🖉 In **Auto Keystone** mode, use the directional buttons on the remote control to finely adjust the angle or shape of the displayed screen.

- **Keystone** `Try Now`

  Fix a distorted image on the screen based on the projection angle.

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

- **Auto Focus**

  Set focusing mode to Auto or Manual.

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

    🖉 Users' fine adjustment may be required, depending on the environment in which the product is used.

- **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.

    🖉 This feature may not support some actions, if touch mode is in use.

- **Auto Flip Screen Vertically** `Try Now`

  When the direction of the Projector is changed, the screen automatically flips upside down.

- **Projection Mode** `Try Now`

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

- **Eye Protection Mode** `Try Now`

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

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

- 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 4000 ft (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 10000 ft (3048 m) or less.

- 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.

  - 🖉 This feature is only supported for compatible Rollable Screen models.

  - 🖉 The Rollable Screen's power must be turned on.

  - 🖉 Install it with the IR receiver on the Rollable Screen not covered.

  - 🖉 For the interlocking of the Projector and the Rollable Screen, place the Projector transmitter to point in the direction of the Rollable Screen IR receiver.

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

  - 🖉 When the Rollable Screen stops while running, wait and try again.

- Setup Guide `Try Now`

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

Adjusting the Keystone from SmartThings on the mobile device (The Freestyle Series)

Use SmartThings on your mobile device to adjust the keystone based on your viewing position.

Register the Projector to SmartThings on your mobile device. Next, from the SmartThings app on the mobile device, select the registered Projector and then select Personal Keystone.

Follow the instructions provided in the SmartThings app to proceed.

The keystone is adjusted based on your viewing position, by analysing the current viewing environment through the mobile device.

This feature can be useful when projecting onto a slanted wall, such as a wall of a tent, or when projecting onto the ceiling in a bedroom.

- 🖉 Ensure that the mobile device and Projector are connected to the same Wi-Fi network.

- 🖉 The availability and menu name of this feature are subject to change, depending on updates.

- 🖉 The screen may not look rectangular, depending on the surrounding environment. You can adjust the screen to the appropriate shape by changing screen settings from the mobile device.

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), Optical, USB, Bluetooth, Wi-Fi

- Video Device: HDMI, AV

- Smartphone: Screen Sharing (Smart View), Screen Sharing (Tap View), Samsung DeX, SmartThings, NFC on TV

- PC: HDMI, Screen Sharing (Wireless), Easy Connection to Screen

- Input Device: Touch Stand, Remote Control, USB Keyboard, USB Mouse, USB Game Controller, 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 (applicable to The Premiere 7/9 series only)

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

If you connect a LAN cable, the Projector automatically accesses the network.
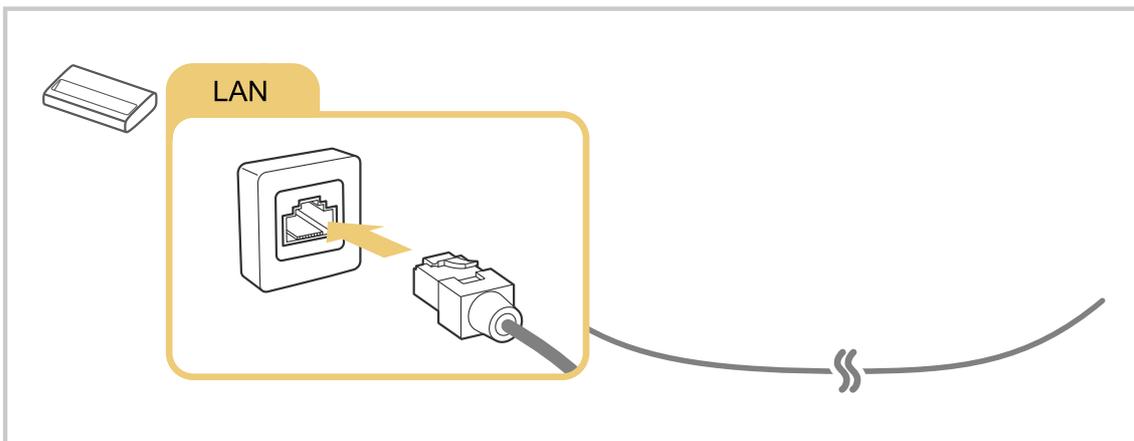
🖉 If the Projector does not automatically connect to the network, refer to "Wired network connection failed." in "Troubleshooting".

🖉 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 product colour and shape may vary depending on the model.
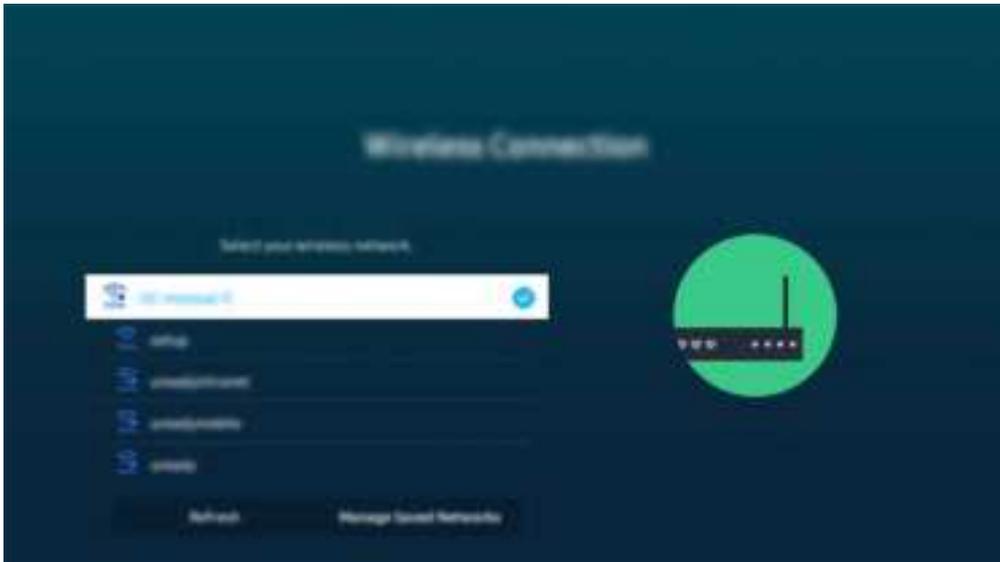
🖊 The image on your Projector may differ from the image above depending on the model and geographical area.

🖊 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 `Try Now`

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

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

✎ This function is available with a mobile device connected to the Projector through the SmartThings app on your mobile device.

Connecting an IP control device to the Projector

🏠 > ≡ (left directional button) > ⚙ Settings > All Settings > Connection > Network > Expert Settings > IP Remote `Try Now`

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 `Try Now`

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

(🏠 > ≡ (left directional button) > ⚙ Settings > Support > About Projector > Edit 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.

✎ The menu name or position for this feature may vary, depending on the model.

Using Touch Mode (applicable to The Premiere 5 series only)

Use the floor projection feature by combining the Projector with the Touch Stand.

🏠 > left directional button > ⚙ Settings > Support > Tips and User Guides > Connection Guide > Input Device > Touch Stand

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

🖊 Some apps may not support touch input.

🖊 If you turn the Projector off and on when touch mode enabled, the touch area recognition mode for calibration of projection surface coordinates is automatically activated. For details on touch area recognition, refer to the "The pattern screen appears every time I turn on the Projector." section under "Troubleshooting."

🖊 While in touch mode, use of a connected camera is restricted, regardless of whether it is connected with or without a cable.

🖊 While in touch mode, configuring Smart Edge Blending settings is restricted.

🖊 While in touch mode, configuring Keystone or Focus settings is restricted.

🖊 While in touch mode, configuring Move Screen settings under the Scale and Move Screen menu is restricted.

🖊 In touch mode, a maximum of 10 simultaneous touch inputs are supported.

🖊 The maximum number of simultaneous touch inputs may differ between apps. If five or more touch inputs are made simultaneously, the product's operation may slow down in some apps.

Pairing Touch Stand

1. Connect the Touch Stand to the front and rear of the Projector. Touch mode may not work properly if the Touch Stand is not connected correctly.

   🖉 For details on how to connect it, refer to the "Simple User Guide."

   🖉 Touch input may not work properly if the camera lens or IR sensor of the Touch Stand is dirty. Use a cotton swab or soft cloth to remove any dirt.

2. Place the Projector, connected to the Touch Stand, on a clean, level surface. If touch area recognition fails, touch mode may be disabled.

   🖉 If there is an obstacle in front of the Projector, touch-related features may not work properly. Remove any obstacles around the Projector.

   🖉 Touch mode may not work properly if the product and the projected floor are not at the same height.

   🖉 Project images on a surface larger than the projected screen size. Adjust the projected screen size to fit the environment in which the Projector is installed, using the **Scale and Move Screen** feature (🏠 > ☰ (left directional button) > ⚙ **Settings** > **All Settings** > **Projector Settings** > **Scale and Move Screen**).
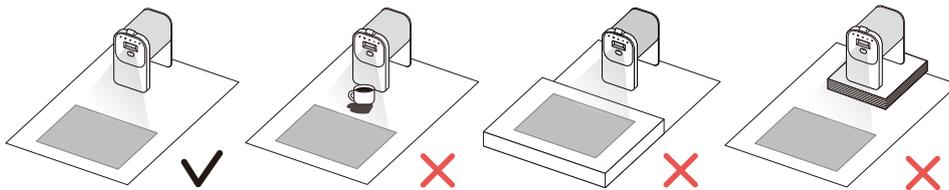
✎ Touch input may not work properly under the following conditions. Avoid the following when installing or using the Projector.
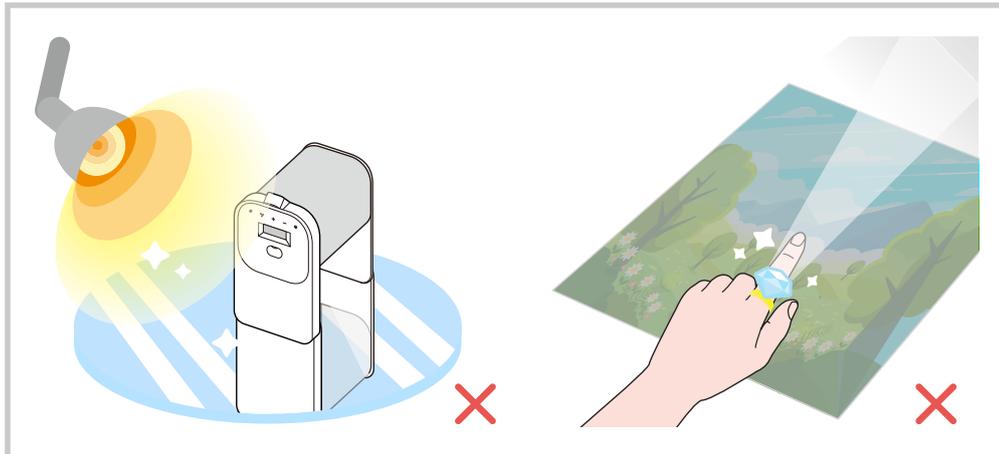
- – An uneven or reflective projection surface

- – Under strong light sources, such as direct sunlight, halogen or incandescent lights

- – Using an external light source (e.g., a candle) close to the Projector

- – Using touch-related features while wearing accessories or jewelry that reflect light

- – Application of excessive force to the product

- – Putting your hand close to the Projector light source

Using the Remote Control when the Touch Stand is Connected

If the Touch Stand is connected and an IR signal is present in the vicinity, interference may occur in the IR sensor located at the bottom of the Touch Stand.

🖊 Use the Touch Lock feature to prevent your content viewing from being interrupted by unintended touch operations.

🖊 If the remote control is disconnected from the Projector, it may cause interference with the IR sensor on the touch stand. If this occurs, point the remote control at the top of the main body of the Projector and try pairing again.

🖊 For details on how to pair with the remote control, refer to the "Connecting the Samsung Smart Remote to the Projector" section.
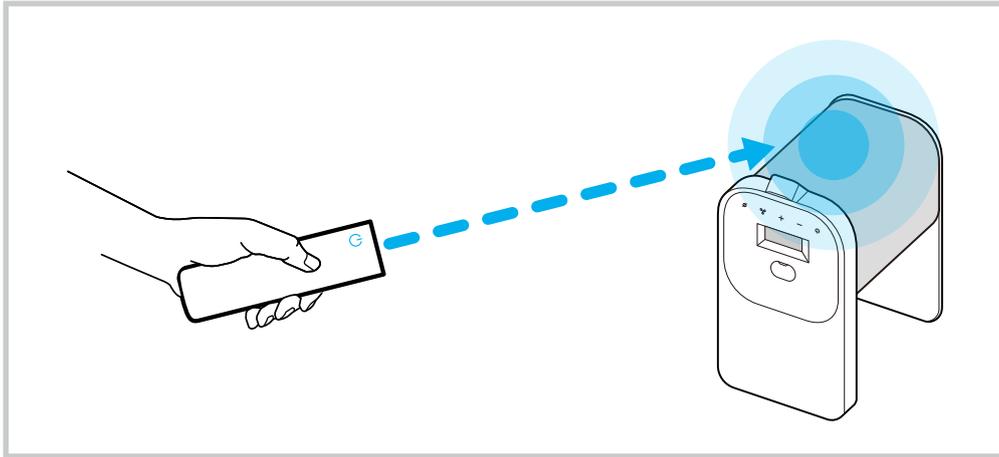
Displaying your mobile device screen on the Projector

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

When you start screen sharing with a mobile device (Smart View/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".

🖉 This feature may not support touch input, depending on the mobile device model.

🖉 If there is a problem with using touch mode after screen sharing, move the mobile device away from the Projector. For details, refer to the "Touch input does not work properly." section under "Troubleshooting."

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 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 or Art Gallery mode (only in The Frame model), 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.

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

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

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.

- The Premiere 7/9 series

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

Cable name	Image	Description
HDMI to HDMI		Each cable simultaneously transmits digital video and audio signals from an external device to the HDMI port on the Projector. Cables are divided into various types according to the types of input/output ports on external devices.
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		DVI to HDMI cables can transmit only digital video signals and not audio signals. We recommend that you use HDMI to HDMI cables.
Optical		Optical cables are used to transmit audio signals to external speakers with low signal loss. Optical cables can't transmit video signals.

- The Freestyle, The Premiere 5 series

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

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

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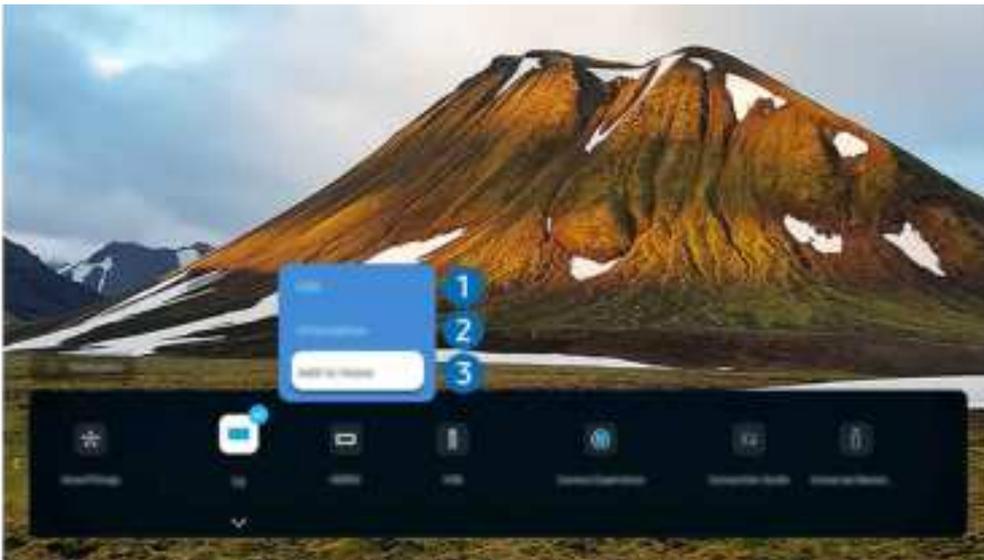
✎ The image on your Projector may differ from the image above depending on the model and geographical area.

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 Universal Remote

You can control external devices connected to the Projector using a Samsung remote control. Run the Universal Remote menu to register the external device.

> 🖉 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".

2 Edit

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

3 Information

You can view detailed information about an external device.

Using additional functions

You can use the following features on the Sources screen.

- **Camera Experience**

    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** ＞ **Input Device** ＞ **Camera Sharing**).

    🖉 For models that support touch mode, camera connections are not supported while in touch mode.

    🖉 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 about the **Connection Guide**, 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.

  ✎ Some models may not support wired networks.

- Use a cable shorter than 3 m to get the best UHD viewing quality.

  ✎ UHD content may not be supported, depending on the model.

- Many computer graphics adapters do not have HDMI ports, but have DVI or DisplayPort ports instead.

  ✎ If connecting a computer that does not support HDMI, use an HDMI-DVI cable or HDMI-DisplayPort cable to connect the computer to the Projector. (This function may not be supported depending on the model.)

- 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 > down directional button > Sound Output). 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.

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

- 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 function, refer to the mobile device's user manual.

- The mobile device and your Projector must be connected to each other on the same network.

- 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. • Do not impact the MIC hole or use a sharp object to poke into the hole.
/ (Bixby)	Runs Bixby. Press and hold the button, say a command, and then release the button to run Bixby. When you press the button, the Explore Now menu appears at the bottom of the screen. To move to the Explore Bixby screen, press the Select button. ✎ The supported Bixby's languages and features may differ by geographical region.
(Settings / Number / Colour button)	You can access Settings menu / virtual numeric pad / Colour buttons / Option pad / SmartThings directly. • 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. ✎ 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).
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
☰ (Menu)	Directly access the Menu from the Home Screen. When an app is in use, the shortcuts to the menus of each app appear.
＋/－ (Volume)	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. 🖉 ⊄ may not be present, depending on the model.
⌃/⌄ (Channel)	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. Press and hold the button up or down to quickly change the channel.

🖉 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)".

🖉 If the orientation of the remote control is incorrect, some models may display an alert asking users to hold it correctly. To turn off the alert, access **Remote Grip Sensor**.

– ⌂ ＞ ☰ (left directional button) ＞ ⚙ **Settings** ＞ **All Settings** ＞ **General & Privacy** ＞ **Power and Energy Saving** ＞ **Remote Grip Sensor***

– ⌂ ＞ ☰ (left directional button) ＞ ⚙ **Settings** ＞ **All Settings** ＞ **General & Privacy** ＞ **Remote Grip Sensor***

*: The menu name or position for this feature may vary, depending on the model.

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, and then press and hold the 🔙 and ☰ buttons simultaneously for 3 seconds or more.

🖊 If the Touch Stand is connected, point the remote control at the top of the main body of the Projector, and pair the devices.
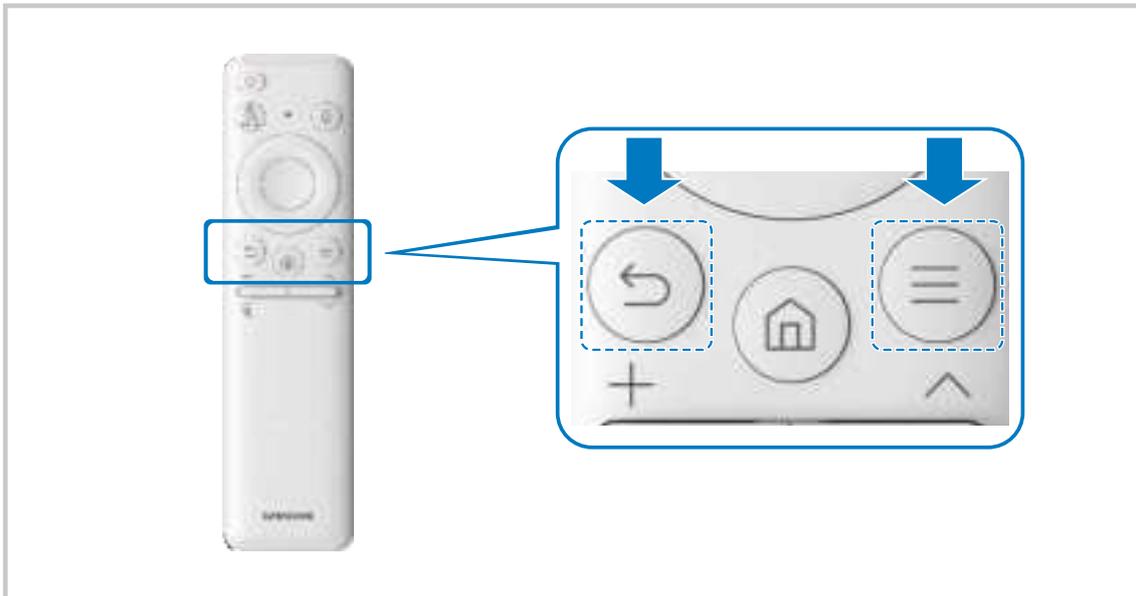
🖊 The image, buttons or features of Samsung Smart Remote may vary, depending on the model.

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**

(🏠 > ☰ (left directional button) > ⚙ **Settings** > **Support** > **Tips and User Guides** > **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.

✎ The menu name or position for this feature may vary, 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**

(🏠 > ☰ (left directional button) > ⚙ **Settings** > **Support** > **Tips and User Guides** > **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.

✎ The menu name or position for this feature may vary, 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) Try Now

(⌂ > ☰ (left directional button) > ⚙ Settings > All Settings > General & Privacy > 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.

🖉 The menu name or position for this feature may vary, depending on the model.

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".

   *: This function may not be supported depending on the model.

🖉 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 only 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.

   *: This function may not be supported depending on the model.

Controlling the Projector with a Keyboard, Mouse or Game Controller

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

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

Connecting a USB keyboard, mouse or Game Controller

Plug the keyboard, mouse or Game Controller cable into the USB port.

🖉 This function may not be supported by some apps or external devices.

🖉 XInput USB Game Controller 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 Game Controller

🏠 > ≡ (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.

🖉 This function may not be supported by some apps or external devices.

🖉 A maximum of four Game Controller can be connected, regardless of connection method (e.g., USB or Bluetooth).

    – When using two BT audio devices, it is best to use USB Game Controller.

    – When using one BT audio device, up to two BT Game Controller can be connected.

🖉 For more information about how to connect a Bluetooth device, refer to the Bluetooth device's user manual.

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

Using the keyboard

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

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

Using the Game Controller

Check the supported Game Controller. Try Now

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

Manufacturer	Controllers	Connection
Microsoft	Xbox Series X controller	BT
		USB
	Xbox One S controller	BT
		USB
	Xbox 360 controller	BT
		USB
	Xbox Elite Wireless Controller Series 2	BT
		USB
	Xbox Adaptive controller	BT
		USB
Sony	PS5	BT
		USB
	PS4	BT
		USB
Google	Stadia controller	USB
Amazon	Luna controller	BT
		USB
Logitech	F710	USB
	F510	USB
Nvidia	Shield controller	BT
		USB
BEITONG	Beitong TVP TV Controller - Tencent START custom model	USB
JD	JZ-V3N controller	BT
	Sports Jiajia Gemini controller - JD custom mode	USB

✎ Some keys are not available on this product depending on controller.

✎ 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 D pad	4 way navigation
A button or X button (Sony Only)	Enter (OK)
B button or O button (Sony Only)	Return (Cancel)

🖉 The key 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.

🖉 Gaming Hub and Cloud game may not be supported depending on the country.

Setting up the input devices

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

(🏠) > ☰ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Keyboard and Mouse)

> 🖉 The menu name or position for this feature may vary, depending on the model.

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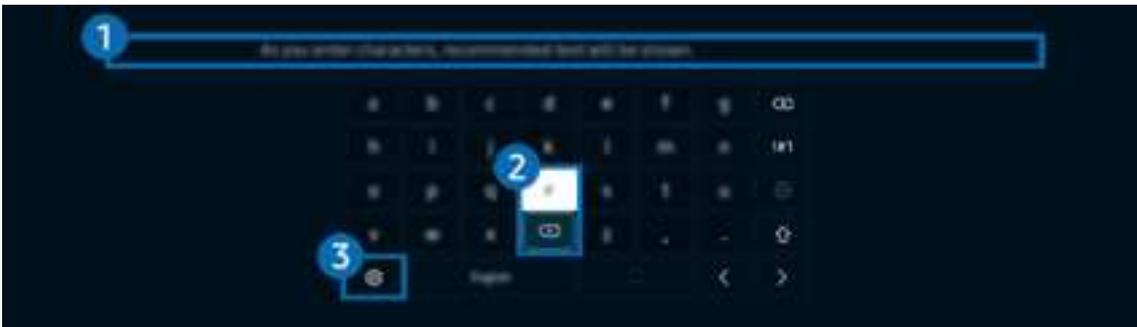
> 🖉 The image on your Projector may differ from the image above depending on the model and geographical area.

❶ 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.

🖊 The images, buttons, and functions of the Samsung Smart Remote may differ with 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.

You can install and use various apps, view photos and videos or listen to music stored on external storage devices, and perform more functions.

- 🖊 Some Smart Hub services are paid services.

- 🖊 To use Smart Hub, the Projector must be connected to the network.

- 🖊 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.

Terms & Privacy

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

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 programmes and movies 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 viewing mode from Ambient mode, press 🏠 ⟩ the left directional button ⟩ ▶ Media. 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 ▶ Media

View a variety of TV programmes and use the installed apps from the Projector.

> 🖊 For more information, refer to "About the Media Home Screen".

⑥ ⊞ App Store

Install a variety of apps offered by Dangbei, such as games, music, movie and education, and use the apps from the Projector.

🖉 To use **App Store**, make sure the Projector is connected to a network.

🖉 For more information, refer to "Using the App Store".

⑦ ⌘ IoT

From the Projector, use the remote control to control devices connected to the SmartThings cloud or 京东小家 and devices connected directly to the Projector.

You can set the default smart home service on the sidebar, and synchronise voice control capabilities, which can be changed in ☰ (left directional button) 〉 ⚙ **Settings** 〉 **All Settings** 〉 **General & Privacy** 〉 **Default IoT Service** later.

🖉 For more information about **SmartThings**, refer to "Using SmartThings".

🖉 Whether the 京东小家 app is supported may differ, depending on the policy.

⑧ ☰ 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".

Launching Smart Hub automatically

⌂ > ☰ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Start Screen Options > Start with Smart Hub Home `Try Now`

(⌂ > ☰ (left directional button) > ⚙ Settings > All Settings > Advanced Features > Start Screen Options > Autorun Smart Hub)

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.

🖊 The menu name or position for this feature may vary, depending on the model.

Launching the last used app automatically

⌂ > ☰ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Start Screen Options > Autorun Last App `Try Now`

(⌂ > ☰ (left directional button) > ⚙ Settings > All Settings > Advanced Features > 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 also 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.

🖊 The menu name or position for this feature may vary, depending on the model.

Automatic Mirroring from Multi View

⌂ > ☰ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Start Screen Options > Autorun Multi View Mirroring

(⌂ > ☰ (left directional button) > ⚙ Settings > All Settings > Advanced Features > 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.

🖊 The menu name or position for this feature may vary, depending on the model.

Automatic casting in Multi View

🏠 > ☰ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Start Screen Options > Autorun Multi View Casting

(🏠 > ☰ (left directional button) > ⚙ Settings > All Settings > Advanced Features > Start Screen Options > Autorun Multi View Mirroring)

Casting 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.

- 🖊 The menu name or position for this feature may vary, 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". You can set the PIN in Change PIN. Try Now

  – 🏠 > ☰ (left directional button) > ⚙ Settings > All Settings > General & Privacy > System Manager > Change PIN*

  – 🏠 > ☰ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Change PIN*

  *: The menu name or position for this feature may vary, depending on the model.

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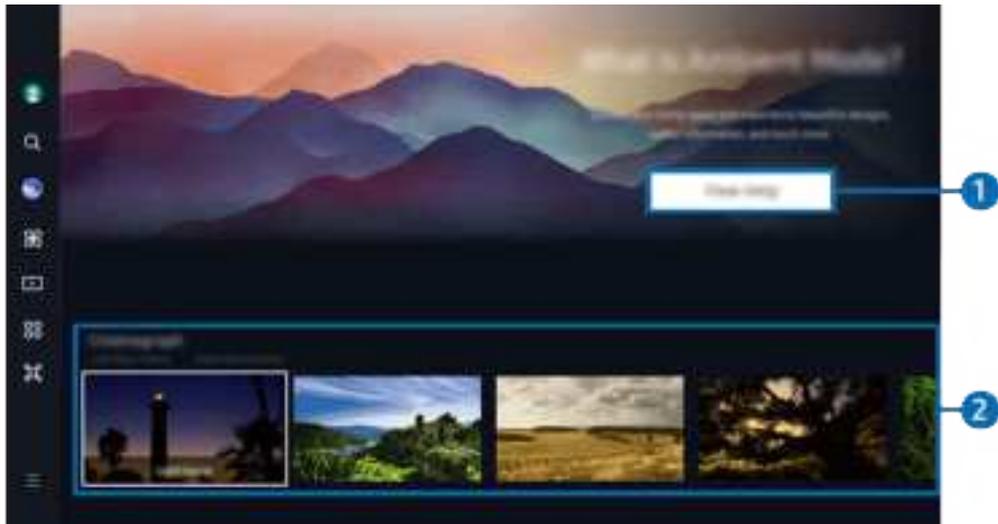
✎ The image on your Projector may differ from the image above depending on the model and geographical area.

❶ Getting to Know Ambient Mode

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

② 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 artwork

  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 artwork, 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 a 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.

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

  – 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.

- Custom Ambient

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

- Favourite

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

- 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.

- Lighting

  Provides lighting content options in stylish and beautiful designs.

- Scene

  Provides atmospheric content options to suit the mood of your choice.

- Prism

  To experience amazing mood lighting, put Lens Cap on Projector.
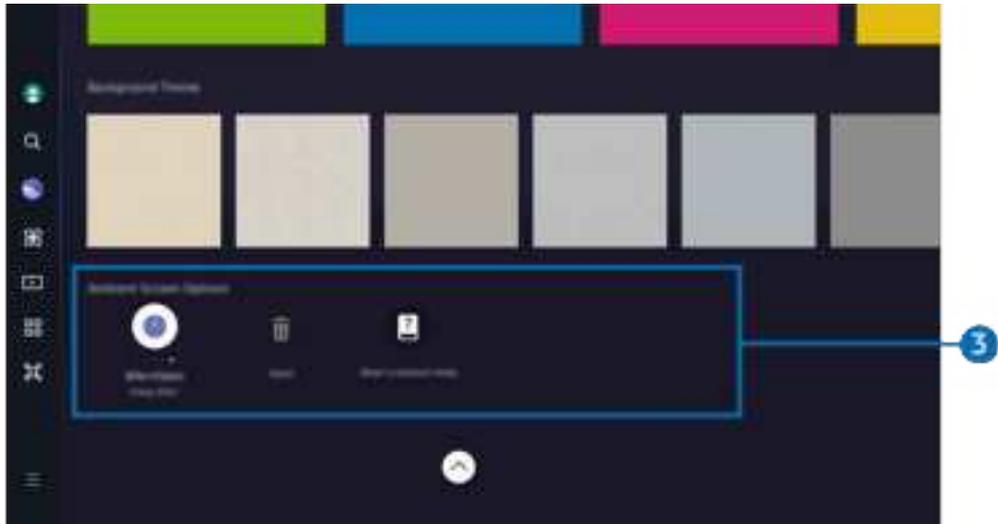
🖉 The image on your Projector may differ from the image above depending on the model and geographical area.

❸ Ambient Screen Options

Following Ambient mode options are configurable:

🖉 This menu can be found at the bottom of the Ambient mode 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 ▶️ Media.

🖉 If the Projector is off and the ⏻ button is pressed, the ▶️ Media 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.
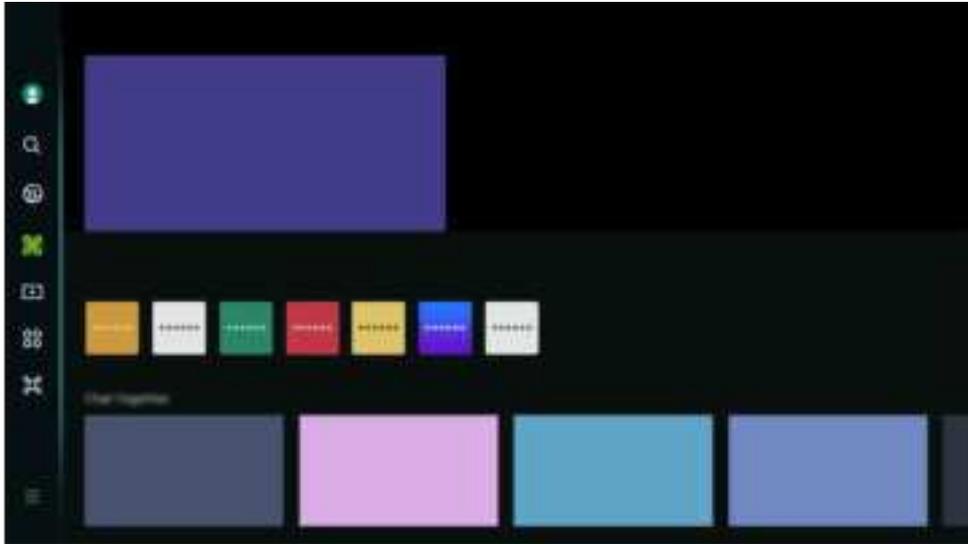
🖉 The image on your Projector may differ from the image above depending on the model and geographical area.

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.

🖉 Apps that are offered may differ 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".

About the Media Home Screen

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

⌂ > left directional button > ▶ Media

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

❶ Home category

It allows you to conveniently view content such as TV shows, dramas and movies by type. It recommends content tailed to your interests, according to your viewing history.

❷ Status Bar

You can view information such as time, weather and Internet connection status.

❸ Watching history

Choose contents for Watching history. You can continue watching different shows in one place from all the Watching history-supported content providers.

❹ Recent

You can access your last used source.

❺ Apps

Access the selected app or My Apps.

About the Menu Home Screen

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

⌂ > left directional button > ≡ Menu
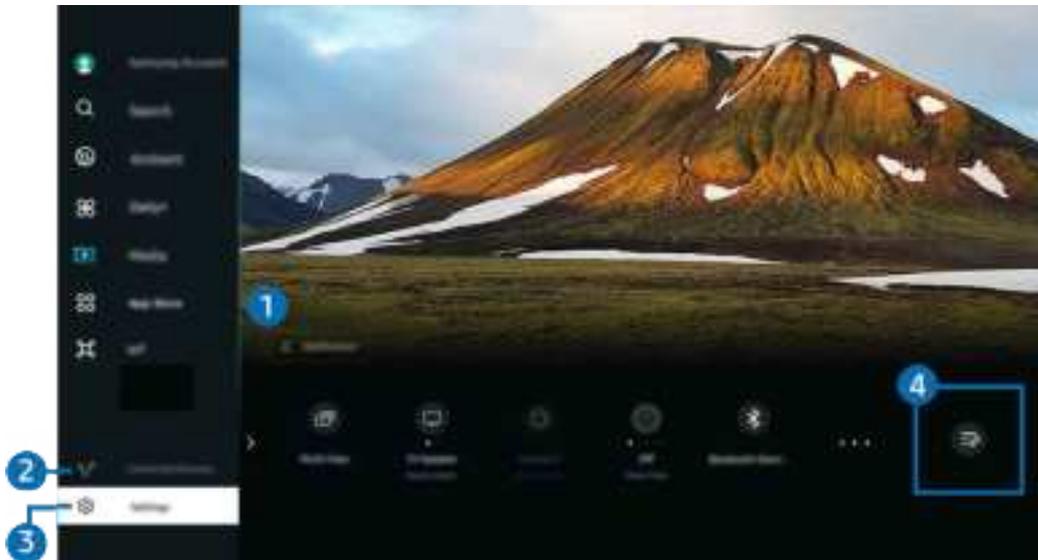
🖊 The image on your Projector may differ from the image above depending on the model and geographical area.

❶ ⌗ 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.

❷ ⌁ 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".

❸ ⚙ 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: Backlight / Cell Light *, Contrast, Sharpness, Colour and Tint (G/R).

  - 🖊 * : The name of this function may appear differently depending on the model.

- **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.

- **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.

- **Screen Size**

  Select a suitable aspect ratio for your viewing environment. Choose the desired aspect ratio using the Select button. To configure specific settings, press the Down button on the remote control, and select Go to Picture Size.

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

- **Energy Saving Solution**

  Reduce power consumption by adjusting brightness settings.

- **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.

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

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 Try Now

(⌂ > ☰ (left directional button) > ⚙ Settings > All Settings > Samsung Account)

🖉 The menu name or position for this feature may vary, depending on the model.

🖉 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 into 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

(⌂ > ☰ (left directional button) > ⚙ Settings > All Settings > Samsung Account > Sign In)

🖉 The menu name or position for this feature may vary, depending on the model.

Creating a new account

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

(⌂ > ☰ (left directional button) > ⚙ Settings > All Settings > Samsung Account > Create Account)

🖉 The menu name or position for this feature may vary, depending on the model.

Managing your Samsung account

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

(⌂ > ☰ (left directional button) > ⚙ **Settings** > **All Settings** > **Samsung Account** > **My Account**)

🖉 The menu name or position for this feature may vary, depending on the model.

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.

- **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.

- **Security and Privacy**

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

- **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**, move the focus to your account's icon, and then press the Select button. When a pop-up window appears, select **Sign out**.

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

  – ⌂ > ☰ (left directional button) > ⚙ **Settings** > **All Settings** > **Samsung Account***

  *: The menu name or position for this feature may vary, depending on the model.

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

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) / 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.

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.

❶ 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.
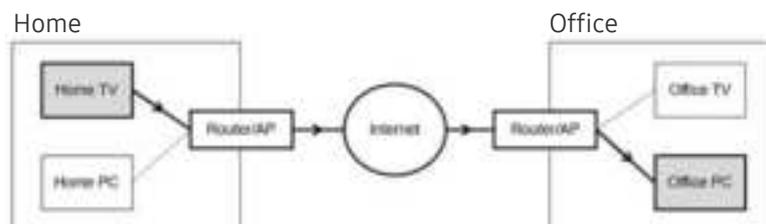
② Username

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 the App Store

Download and run various apps from App Store.

🏠 > left directional button > 品 **App Store**

You can enjoy a wide range of content including video, music 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.

❶ Category

Category consists of Recommended, Media, Games and Apps.

❷ 🔍 App Search

You can search for available apps.

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 安装. When the installation is complete, the 运行 button appears.

3. Select 运行 to run the app immediately.

🖉 You can view installed apps on the My Apps tab of the Media Home Screen as well as My Apps category of the Apps.

🖉 If the Projector's internal memory is insufficient, it is not possible to install an app.

Before installing an app, remove apps that are not used anymore to secure a storage space.

Launching an app

You can run an app desired from My Apps on the app or My Apps tab on the Media Home screen.

Managing installed apps

Select 管理 on App Store. You can manage installed apps.

✎ 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 一键加速 (One -click acceleration)

Optimise the status of installed apps.

2 更新 (update)

View the list of apps that require update, and select an app to update it to the latest version.

3 卸载 (uninstall)

Delete apps from the list of installed apps.

4 网络测速 (Test network speed)

Measure your Internet speed.

Using TV Access

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

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

 ⌂ 〉 ≡ (left directional button) 〉 ⛬ Connected Devices 〉 TV Access

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

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

Connecting to a TV

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

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

To disconnect from the Projector, press the ⌂ or ↩ button on the remote control.

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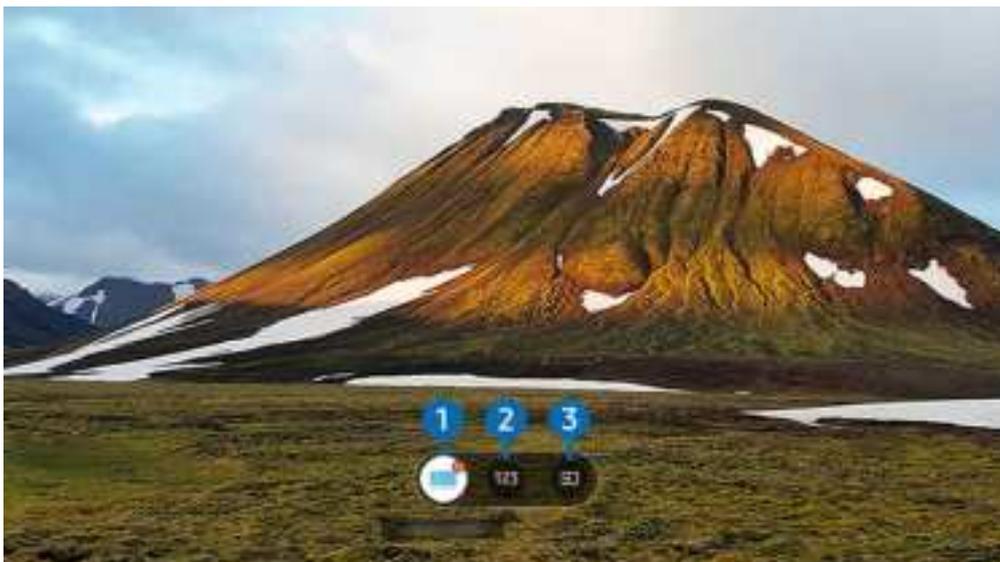
When content is playing, press the up directional buttons on the remote control to display the control menu of the Projector.

❶ Power

Turn on or off the connected Projector.

❷ Enter Number

Press a channel number to change the connected Projector channel.

   ✎ Alternatively, use the ⌃/⌄ (Channel) button on the remote control to change channels.

❸ Source

Change the input source connected to the Projector.

Using a larger screen by putting two screens together

Display content on a larger screen by putting two screens together.

Register the Projector to SmartThings on your mobile device, select the registered Projector from the SmartThings app on the mobile device, and then select Smart Edge Blending.

Follow the instructions provided in the SmartThings app to proceed.

You can display images on a larger screen by putting the screens of two Projectors together in landscape orientation.

To exit from the Smart Edge Blending screen, press the ⤺ button on the remote control that came with the Projector or use the SmartThings app.
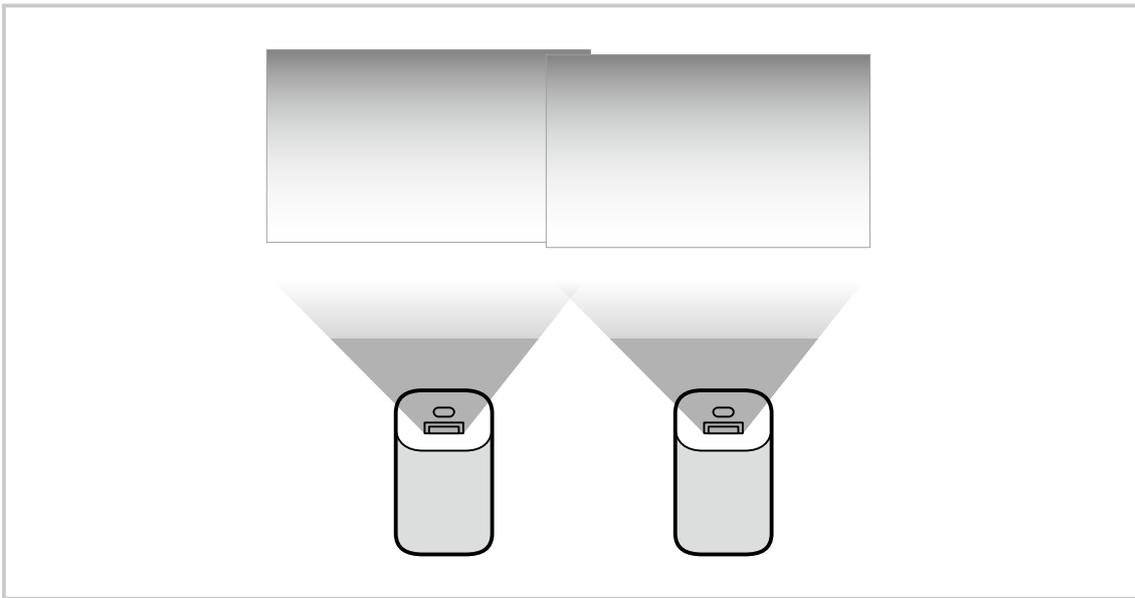
🖉 Ensure that the mobile device and the two projectors are connected to the same Wi-Fi network.

🖉 Project onto a flat surface with no curves or obstacles, in order for the function to work properly.

🖉 If there is a difference in brightness between the projectors, adjust the brightness of each projector through the mobile SmartThings.

🖉 Menu names are subject to change due to updates.

🖉 Use two Projectors to project images toward the front at the same distance from the screen. The more similar the sizes of the two projected images, the better the result obtained.

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

🖉 While in touch mode, configuring Smart Edge Blending settings is restricted.

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**

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

🖉 The menu name or position for this feature may vary, depending on the model.

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.

❹ 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.

❺ 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., App Store) indicate a menu item.

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

❻ ⊚ (Try Now)

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

❼ ⊘ (Link)

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

Using SmartThings

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

⌂ > left directional button > ⌘ IoT > ⚙ SmartThings (Try Now)

⌂ > left directional button > ✿ Daily+ > ⚙ SmartThings (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.

❶ Favourites

View devices or features that have been set as favourites from the Devices/Life/Routines tab.

❷ 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.smartthings.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.

✎ From the Devices tab, navigate to Menu(≡) and select the desired Map View(2D / 3D).

❸ Life

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

✎ Only Life services supported by the Projector are displayed.

❹ 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 > ⌘ IoT

Set the default IoT service to SmartThings

You can set the default smart home service to SmartThings.

🏠 > ☰ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Default IoT Service

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 > ⌘ IoT > ⚙ SmartThings > Add Device.

    🖉 🏠 > left directional button > ⌘ IoT > ⚙ SmartThings, you can see available options for each device.
    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 > ⌘ IoT > 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 or geographical area.

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 Try Now

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 contents 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.

  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.

- 360 Mode

  Provides a 360-degree view for videos and photos.

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

  🖊 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.

- **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 may not be supported depending on the model or geographical area.

  🖊 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.

- **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 Effects	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.

✎ 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.

- 器 **App/Source**

  You can select from the content list displayed above.

    🖉 The name of this function may appear differently depending on the model.

    🖉 Displayed items or items that can be changed may differ depending on the model.

- **Content**

  You can view the currently displayed screen.

    🖉 After selecting a content item, you can control the screen.

- **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 or external devices 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.

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

🖉 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

Speak into the microphone on your Samsung Smart Remote or Projector to control your Projector.

✎ Bixby is available only when the Projector is connected to the network.

✎ 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 "三星小贝". Say "三星小贝", 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 "三星小贝" but Bixby does not answer." in "Troubleshooting".

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

Starting Bixby using buttons on the Samsung Smart Remote

You can have a 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 🧭 and ⚙ icon appears at the bottom right of the screen.
  Press the 🧭 button to go to the Explore Bixby screen.
  Press the ⚙ button to go to the Bixby Voice Settings screen.

🖉 The product colour and appearance shown in this image may not match the actual product.

🖉 The images, buttons, and functions of the Samsung Smart Remote may differ with the model or geographical area.

Learning about the Discover Bixby Screen
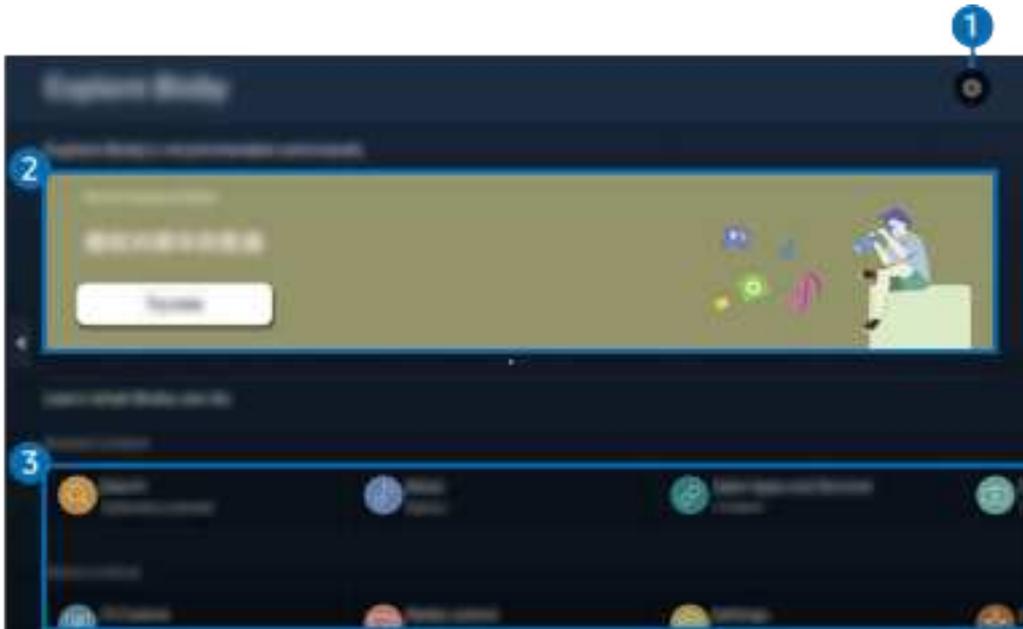
🖉 The image on your Projector may differ from the image above depending on the model and geographical area.

1 ⚙ Settings

You can change the settings for using Bixby.

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

- **Language**

    You can change Bixby's language.

    🖉 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.

- Voice Wake-up

  Configure settings on how to wake up Bixby with your voice. You can configure the following settings: **Bixby Wake-up Options** and **Continuous Dialogue**. (🔵 > Explore Now > ⚙ 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 "三星小贝" but Bixby does not answer." in "Troubleshooting".

  🖊 The images, buttons, and functions of the Samsung Smart Remote may differ with the model or geographical area.

- Voice Feedback

  You can select **Sound feedback** and **Voice response**

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

- Voice Hint

  Configure voice hints based on your use.

  🖊 🏠 > ☰ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Voice > Voice Hint

- Service Selection

  you can select Voice Service. (**Music Service**/**Fitness Service**/**FM Service**)

② **Recommended commands**

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

③ **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

- 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 use the Bixby voice recognition function, you must consent to the "同意条款并使用语音识别服务".

  You can view the "同意条款并使用语音识别服务" by navigating to ⌂ > ☰ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Terms & Privacy

  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.

- 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 is On or Auto, press and hold the ☰ button on your Samsung Smart Remote to start the Game Bar. Try Now

- ⌂ > ☰ (left directional button) > ⚙ Settings > All Settings > Connection or Smart Features > (Game Mode Settings) > Game Mode*

- ⌂ > ☰ (left directional button) > ⚙ Settings > All Settings > Advanced Features > Game Mode Settings > Game Mode*

✏ *: The menu name or position for this feature may vary, depending on the model.

Learning about the Game Bar

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

❶ 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	1920 x 1080 (60 Hz) 3840 x 2160 (60 Hz)
21:9	1920 x 800 (60 Hz) 2560 x 1080 (60 Hz) 3840 x 1600 (60 Hz)
32:9	1920 x 540 (60 Hz) 3840 x 1080 (60 Hz)

✎ The resolution may not be supported depending on the model.

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)
	1920 x 800 (60 Hz)
32:9	3840 x 1080 (60 Hz)
	1920 x 540 (60 Hz)

- 🖉 The resolution may not be supported depending on the model.

- 🖉 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 ⌃/⌄ (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.

16:9	21:9	32:9

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.

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

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 Time. Try Now

   – 🏠 ⟩ ☰ (left directional button) ⟩ ⚙ Settings ⟩ All Settings ⟩ General & Privacy ⟩ System Manager ⟩ Time*

   – 🏠 ⟩ ☰ (left directional button) ⟩ ⚙ Settings ⟩ All Settings ⟩ General & Privacy ⟩ Time*

   *: The menu name or position for this feature may vary, depending on the model.

🖊 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.

❶ Edit Channels / Edit

Edit channels stored on the Projector.

🖉 For more information, refer to "Using the channel edit function".

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

❷ 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 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.

🖉 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 and set the time. `Try Now`

    – ⌂ > ☰ (left directional button) > ⚙ Settings > All Settings > General & Privacy > System Manager > Time*

    – ⌂ > ☰ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Time*

    *: The menu name or position for this feature may vary, depending on the model.

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 Time setting is correct. Try Now

  – ⌂ > ☰ (left directional button) > ⚙ Settings > All Settings > General & Privacy > System Manager > Time*

  – ⌂ > ☰ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Time*

  *: The menu name or position for this feature may vary, depending on the model.

  – 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 ⌃/⌄ (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.

- Sort

  Sorts the list by Number or by Name.

  🖉 This option is only available on digital channels and may not always be available.

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

- Edit Channels / Edit

  Edit the channels stored on your Projector.

- All

  Displays the channels that have been automatically searched.

- Genre

  Select a genre to sort and display specific channels to suit your preferences.

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

- Favourites

  Displays favourite channels from *Favourites 1 / Favourites, *My List 1 through *Favourites 5 / My List 4.

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

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

Using the channel edit function

Edit the channels stored on your Projector.

Accessing the channel edit screen

1. Display the Guide screen, and press Edit Channels / Edit on the left of the screen to access the edit-channel screen.

2. Display the Channel List screen, and press Edit Channels / Edit on the bottom of the screen to access the edit-channel screen.

Using the channel edit functions

The Edit Channels / Edit screen icons indicate the following:

- ★: A favourite channel.

Select a channel from the Edit Channels / Edit screen to access the following options:

- Delete

    After selecting a target channel to remove in Edit Channels / Edit, select Delete. Removed channels are not displayed in the Channel List.

- Change Number

    After selecting a channel to change in Edit Channels / Edit, 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.

- Save and Exit

    Save the changes made under Edit Channels / Edit and exit.

Using a Personal Favourites List

Create frequently watched channels as favourite channels.

On the Edit Channels / Edit and Channel List screens, the ★ icon appears next to favourite channels.

Creating a Favourites List

1. Access the Edit Channels / Edit 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, *My List 1 - My List 4 / Favourites 1 - Favourites 5 on the Edit Channels / Edit 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.

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

- 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 My List.

- Save and Exit

  Saves and closes the Edit Channels / Edit screen.

Projector-Viewing Support Functions

Use the functions that are available while watching Projector.

Selecting the cable network search option

⌂ > ≡ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Broadcasting > (Auto Tuning Settings) > Cable Search Option Try Now

Sets additional search options such as the frequency and symbol rate for a cable network search.

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

🖊 The Auto Tuning Settings may not appear depending on the model or geographical area.

Scanning for available channels on standby mode

⌂ > ≡ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Broadcasting > (Auto Tuning Settings) > Standby Auto Tuning Try Now

Automatically scan for channels while your Projector is in standby mode.

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

🖊 The Auto Tuning Settings may not appear depending on the model or geographical area.

Setting the Wake-up time

⌂ > ≡ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Broadcasting > (Auto Tuning Settings) > Wake-up Timer Try Now

Schedule timer to turn the Projector on and scan channels automatically.

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

🖊 The Auto Tuning Settings may not appear depending on the model or 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

(🏠) > ☰ (left directional button) > ⚙ Settings > All Settings > Advanced Features > Intelligent Mode Settings > Intelligent Mode)

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. Try Now

- ✎ The menu name or position for this feature may vary, depending on the model.

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

- Adaptive Picture Try Now

  - Vision Booster

    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.

  - 🖊 This function may not be supported by some modes or apps. (For example, **Ambient** Mode, **Game Mode**, **Art Gallery**, and apps that control the Projector sound)

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

  - 🖊 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:

- **Backlight** `Try Now`

  Adjust the backlight brightness levels. Brightness increases as the value nears 50.

  🖊 The name of this function may appear differently depending on the model.

- **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**

  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**

  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**

  Adjust the medium brightness of a video.

- **Brightness** `Try Now`

  Adjust the overall picture brightness. The closer to 5, the brighter the picture.

  🖊 The name of this function may appear differently depending on the model.

- **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.

- **Colour Space Settings** `Try Now`

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

- **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.

- **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

(⌂ 〉 ≡ (left directional button) 〉 ⚙ Settings 〉 All Settings 〉 Picture 〉 Expert Settings 〉 Picture Size Settings)

✎ The menu name or position for this feature may vary, depending on the model.

- 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".

- 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.

✎ These functions may not be available on 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 > Advanced Features > Game Mode Settings > Game Mode)

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

   🖉 The menu name or position for this feature may vary, depending on the model.

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

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

🖉 The menu name or position for this feature may vary, depending on the model.

- **Virtual Aim Point** Try Now

  You can see the virtual aim point on the screen.

- **Surround Sound** Try Now

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

- **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.

- **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.

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

- **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** `Try Now`

(⌂ ❯ ≡ (left directional button) ❯ ⚙ **Settings** ❯ **All Settings** ❯ **General & Privacy** ❯ **External Device Manager** ❯ **Input Signal Plus**)

Expands the input signal range for HDMI connections.

🖊 The menu name or position for this feature may vary, depending on the model.

🖊 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".

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

Using HDMI black level

⌂ ❯ ≡ (left directional button) ❯ ⚙ **Settings** ❯ **All Settings** ❯ **Connection** ❯ **External Device Manager** ❯ **HDMI Black Level** `Try Now`

(⌂ ❯ ≡ (left directional button) ❯ ⚙ **Settings** ❯ **All Settings** ❯ **General & Privacy** ❯ **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.

🖊 The menu name or position for this feature may vary, depending on the model.

🖊 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.

- **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. If the Projector has been installed in portrait mode by using separate accessories, the virtual surround sound effect through the Projector speakers does not work.

  - 🖊 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.

  - 🖊 **Sound Feedback** entry path may be different in some models. (🏠 > ☰ (left directional button) > ⚙ **Settings** > **All Settings** > **General & Privacy** > **Sound Feedback**)

- **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 `Try Now`

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.

✎ It is possible to use the Q-Symphony feature with the sound bar when the Projector's Projection Mode (🏠 > left directional button > ⚙ Settings > All Settings > Projector Settings > Projection Mode) is set to Front Ceiling or Rear Ceiling.

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

(🏠 > ≡ (left directional button) > ⚙ Settings > All Settings > Sound > Sound Output > Bluetooth Audio)

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.

- 🖉 The menu name or position for this feature may vary, depending on the model.

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.

🖉 It is possible to use the Q-Symphony feature with the sound bar when the Projector's Projection Mode (⌂ > left directional button > ⚙ Settings > All Settings > Projector Settings > Projection Mode) is set to Front Ceiling or Rear Ceiling.

🖉 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

(⌂ > ≡ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Time)

You can set the time manually or automatically. Once the time is set, you can view the current time on the Projector anytime. Try Now

✏ The menu name or position for this feature may vary, depending on the model.

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

⌂ > ≡ (left directional button) > ⚙ Settings > All Settings > General & Privacy > System Manager > Time > Clock > Clock Mode

(⌂ > ≡ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Time > Clock Mode)

Set Clock Mode to either Auto or Manual. If you set Clock Mode to Auto, the current time is automatically set. 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.

✏ This function works only when the Projector is connected to the network.

✏ The menu name or position for this feature may vary, depending on the model.

Changing the current time

⌂ > ≡ (left directional button) > ⚙ Settings > All Settings > General & Privacy > System Manager > Time > Clock > Time Offset

(⌂ > ≡ (left directional button) > ⚙ Settings > All Settings > Time > Time Offset)

Time Offset adjusts the time through a network connection. Try Now

✏ This function is available only when Clock Mode is set to Auto, the Projector is connected to a network.

✏ The menu name or position for this feature may vary, depending on the model.

Using the sleep timer

🏠 > ≡ (left directional button) > ⚙ Settings > All Settings > General & Privacy > System Manager > Time > Sleep Timer

(🏠 > ≡ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Power and Energy Saving > Sleep Timer)

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.

🖉 The menu name or position for this feature may vary, depending on the model.

Turning off the Projector using the off timer

🏠 > ≡ (left directional button) > ⚙ Settings > All Settings > General & Privacy > System Manager > Time > Off Timer

(🏠 > ≡ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Power and Energy Saving > Off Timer)

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 Time. Try Now

    – 🏠 > ≡ (left directional button) > ⚙ Settings > All Settings > General & Privacy > System Manager > Time*

    – 🏠 > ≡ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Time*

    *: The menu name or position for this feature may vary, depending on the model.

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

🖉 The menu name or position for this feature may vary, depending on the model.

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.

- Power Off Mode

  Choose which screen mode you would like when the power is turned off.

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

- 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.

- **Sleep Timer**

  Set the timer to turn the Projector off automatically after up to 180 minutes.

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

  - 🖊 This function may not be supported in some viewing modes.

  - 🖊 The menu name or position for this feature may vary, depending on the model.

- **Off Timer**

  You can set **Off Timer** to shut off the Projector automatically at a specific time.

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

  - 🖊 This function may not be supported in some viewing modes.

  - 🖊 To use this function, first set the **Time**. `Try Now`

    – 🏠 ＞ ☰ (left directional button) ＞ ⚙ **Settings** ＞ **All Settings** ＞ **General & Privacy** ＞ **System Manager** ＞ **Time***

    – 🏠 ＞ ☰ (left directional button) ＞ ⚙ **Settings** ＞ **All Settings** ＞ **General & Privacy** ＞ **Time***

    *: The menu name or position for this feature may vary, depending on the model.

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 may be reset to their defaults after a software update.

🏠 > ≡ (left directional button) > ⚙ Settings > Support > Software Update `Try Now`

Updating through the network

🏠 > ≡ (left directional button) > ⚙ Settings > Support > Software Update > Update Now `Try Now`

🖉 Updating from the network requires an active network connection.

Updating through a USB device

🏠 > ≡ (left directional button) > ⚙ Settings > Support > Software Update > Update Now `Try 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 `Try Now`

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.

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.

🖉 This function may not be supported depending on the 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.

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, Caption, Sign Language Zoom, Multi-output Audio, Slow Button Repeat, Auto Menu Sort, Accessibility Settings, etc.

> 🖊 The shortcut menus may not appear depending on the model or geographical area.

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.

🖉 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 see 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 see 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.

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 Features

You can change the settings of the Voice function.

Changing the Setting of Voice Features

⌂ > ≡ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Voice

You can change Hands-free wake-up, Voice Hint and Bixby Voice Settings.

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

- 🖉 To use this feature, the Projector must be connected to the Internet.

- 🖉 The Voice Wake-up function may not be supported depending on the model or geographical area.

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`

(⌂ > ≡ (left directional button) > ⚙ **Settings** > **All Settings** > **General & Privacy** > **Time** > **Language**)

🖊 The menu name or position for this feature may vary, depending on the model.

Setting up a password

⌂ > ≡ (left directional button) > ⚙ **Settings** > **All Settings** > **General & Privacy** > **System Manager** > **Change PIN** `Try Now`

(⌂ > ≡ (left directional button) > ⚙ **Settings** > **All Settings** > **General & Privacy** > **Time** > **Change PIN**)

The PIN input window appears. Enter a PIN. Enter it again to confirm it. The default PIN is "0000".

🖊 The default PIN may differ depending on the geographical area.

🖊 The menu name or position for this feature may vary, depending on the model.

🖊 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".

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`

(⌂ > ≡ (left directional button) > ⚙ **Settings** > **All Settings** > **General & Privacy** > **Time** > **Usage Mode**)

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.

🖊 The menu name or position for this feature may vary, depending on the model.

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 or geographical area.

Managing External Devices

⌂ > ☰ (left directional button) > ⚙ **Settings** > **All Settings** > **Connection** > **External Device Manager** > **Device Connection Manager** Try Now

(⌂ > ☰ (left directional button) > ⚙ **Settings** > **All Settings** > **General & Privacy** > **Device Connection Manager**)

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.

🖉 The menu name or position for this feature may vary, depending on the model.

- **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.

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 **Factory data 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.

Automatic Bluetooth Audio Connection Setting

⌂ > ☰ (left directional button) > ⚙ **Settings** > **All Settings** > **Connection** > **Automatic Bluetooth Audio Connection** Try Now

Automatically reconnects the last Bluetooth audio device used.

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

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 Electronics 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 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 Projector 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.

- 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	.ttxt
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 (The Premiere Series)

File format	Container	Video codecs	Resolution	Frame rate (fps)	Bitrate (Mbps)	Audio codecs
*.avi *.mkv *.asf *.wmv *.mp4 *.mov *.3gp *.vro *.mpg *.mpeg *.ts *.tp *.trp *.flv *.vob *.svi *.m2ts *.mts	AVI MKV ASF MP4 3GP MOV FLV VRO VOB PS TS	H.264 BP/MP/HP	3840 x 2160	3840 x 2160: 30 1920 x 1080: 60	50	AC3 LPCM ADPCM(IMA, MS) AAC HE-AAC WMA Dolby Digital+ MPEG(MP3) AC-4 G.711(A-Law, μ-Law) OPUS
		HEVC (H.265 - Main, Main10)		60	50	
		Motion JPEG	1920 x 1080	60	20	
		MPEG4 SP/ASP				
		Window Media Video v9 (VC1)				
		MPEG2				
		MPEG1				
		Microsoft MPEG-4 v1, v2, v3				
		Window Media Video v7 (WMV1), v8 (WMV2)		30		
		H.263 Sorenson				
		VP6				
		AV1	3840 x 2160	60	40	
*.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.

- 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)

- HEVC FHD is supported up to Level 4.1.

- 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.

Supported video codecs (The Freestyle Series)

File format	Container	Video codecs	Resolution	Frame rate (fps)	Bitrate (Mbps)	Audio codecs
*.avi *.mkv *.asf *.wmv *.mp4 *.mov *.3gp *.vro *.mpg *.mpeg *.ts *.tp *.trp *.flv *.vob *.svi *.m2ts *.mts	AVI MKV ASF MP4 3GP MOV FLV VRO VOB PS TS	H.264 BP/MP/HP	1920 x 1080	60	50	AC3 LPCM ADPCM(IMA, MS) AAC HE-AAC WMA Dolby Digital+ MPEG(MP3) AC-4 OPUS G.711(A-Law, μ-Law)
		HEVC (H.265 - Main, Main10)		60	50	
		Motion JPEG		60	20	
		MPEG4 SP/ASP				
		Window Media Video v9 (VC1)				
		MPEG2				
		MPEG1				
		Microsoft MPEG-4 v1, v2, v3				
		Window Media Video v7 (WMV1), v8 (WMV2)		30		
		H.263 Sorenson				
		VP6				
		AV1		60	40	
*.webm	WebM	VP8		60	20	Vorbis
		VP9 (Profile 0, profile 2 supported)		60	50	
		AV1		60	40	
*.rmvb	RMVB	RV8/9/10 (RV30/40)		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.

- 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)

- HEVC FHD is supported up to Level 4.1.

- 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
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) USB (4096 x 2160p @ 24/30/60 Hz)	16:9 Standard, Custom

🖉 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	-	-	-	O

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	O	O	O	O
	10 bit	-	-	O	O

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	+ / +
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

    ✎ The optical port may not be supported depending on the model.

  – HDMI (eARC/ARC) port

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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, Backlight / Cell Light *, 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 > Backlight / Cell Light * `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 name of this function may appear differently depending on the model.

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`

  (⌂ > ☰ (left directional button) > ⚙ **Settings** > **All Settings** > **General & Privacy** > **Power and Energy Saving** > **Sleep Timer**)

  ✎ The menu name or position for this feature may vary, depending on the model.

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** > **Power and Energy Saving** > **Auto Power Off** `Try Now`

  (⌂ > ☰ (left directional button) > ⚙ **Settings** > **All Settings** > **General & Privacy** > **Power and Energy Saving** > **Auto Power Off**)

  ✎ The menu name or position for this feature may vary, depending on the model.

- ⌂ > ☰ (left directional button) > ⚙ **Settings** > **All Settings** > **General & Privacy** > **Power and Energy Saving** > **Off Timer** `Try Now`

  (⌂ > ☰ (left directional button) > ⚙ **Settings** > **All Settings** > **General & Privacy** > **System Manager** > **Time** > **Off Timer** `Try Now`)

  ✎ The menu name or position for this feature may vary, depending on the model.

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

If your Projector is not connected to a cable box or satellite box, run **Auto Tuning**.

- ⌂ > ☰ (left directional button) > ⚙ **Settings** > **All Settings** > **Broadcasting** > (**Auto Tuning Settings**) > **Auto Tuning** `Try Now`

  ✎ The **Auto Tuning Settings** may not appear depending on the model or geographical area.

When using a broadcast receiver such as set-top box and IPTV, 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, IPTV 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 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`

  (⌂ 〉 ≡ (left directional button) 〉 ⚙ Settings 〉 All Settings 〉 Picture 〉 Expert Settings 〉 Picture Size Settings 〉 Picture Size)

Change the output resolution of your external device.

- ✎ The menu name or position for this feature may vary, depending on the model.

The pattern screen appears every time I turn on the Projector.

If the Touch Stand is connected and the Projector turns on, the touch area recognition mode for screen calibration is automatically activated. The projected screen may appear distorted or touch area recognition may fail, depending on the environment in which the Touch Stand is installed.

- Environmental factors that may affect touch area recognition: An uneven or reflective projection surface, presence of dirt or obstacles around the sensor, a smaller projection surface than the projected screen, etc.
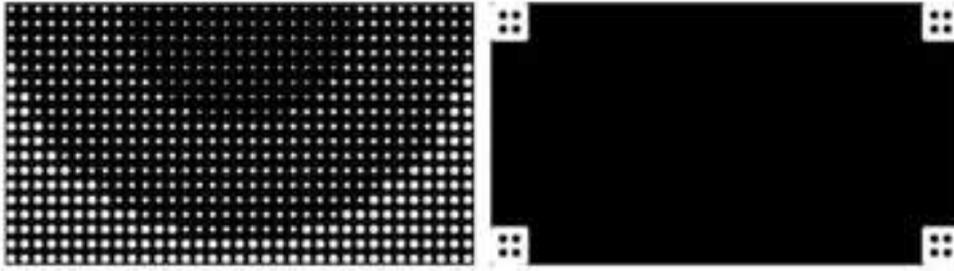
🖉 The displayed image may be different from what is shown by the Projector, depending on the model.

🖉 This feature is only available in models that support Touch Stand.

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

	(⌂ 〉≡ (left directional button) 〉⚙ Settings 〉All Settings 〉General & Privacy 〉External Device Manager 〉Input Signal Plus)

🖊 The menu name or position for this feature may vary, depending on the model.

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.

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

  (⌂ > ≡ (left directional button) > ⚙ Settings > All Settings > Advanced Features > Intelligent Mode Settings > Intelligent Mode)

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

To optimise the sound depending on the surroundings, select Adaptive Sound+.

- ⌂ > ≡ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Intelligent Mode Settings > Adaptive Sound+ Try Now

  (⌂ > ≡ (left directional button) > ⚙ Settings > All Settings > Advanced Features > Intelligent Mode Settings > Adaptive Sound Pro)

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

🖋 The menu name or position for this feature may vary, 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 Anynet+ (HDMI-CEC) is active on your Projector. Try Now

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

	(⌂ > ☰ (left directional button) > ⚙ Settings > All Settings > General & Privacy > External Device Manager > Anynet+ (HDMI-CEC))

🖉 If a device is connected via Optical*, volume control may not be possible, depending on the device.

	*: The optical port may not be supported depending on the model.

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`

  (⌂ > ☰ (left directional button) > ⚙ Settings > All Settings > General & Privacy > External Device Manager > Input Signal Plus)

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)".

🖉 The menu name or position for this feature may vary, depending on the model.

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 an 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** > **General & Privacy** > **Network** > **Network Status** > **IP Settings**

   (🏠 > ☰ (left directional button) > ⚙ **Settings** > **All Settings** > **Connection** > **Network** > **Network Status** > **IP Settings**)

🖉 Wired networks are not supported by some models.

🖉 The menu name or position for this feature may vary, depending on the model.

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`

  (⌂ > ≡ (left directional button) > ⚙ Settings > All Settings > General & Privacy > External Device Manager > Anynet+ (HDMI-CEC))

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.

🖉 The menu name or position for this feature may vary, depending on the model.

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`

  (⌂ > ≡ (left directional button) > ⚙ Settings > All Settings > General & Privacy > External Device Manager > Anynet+ (HDMI-CEC))

🖉 The menu name or position for this feature may vary, depending on the model.

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`

  (⌂ > ☰ (left directional button) > ⚙ Settings > All Settings > General & Privacy > External Device Manager > Anynet+ (HDMI-CEC))

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 menu name or position for this feature may vary, depending on the model.

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*.

🖉 *: This function may not be supported depending on the model

Apps

When apps aren't working, these steps may help resolve the problem.

I cannot find the app I want.

To use Smart Hub, the Projector must be connected to the network. 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) > ▶️ Media > 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) > ▶️ Media > Apps > 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

  (🏠 > ☰ (left directional button) > ⚙️ Settings > All Settings > Advanced Features > Start Screen Options > Autorun Smart Hub)

- 🖊 The menu name or position for this feature may vary, depending on the model.

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 or Bixby functions aren'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.

Bixby answers although I did not call it.

The Projector may recognise an ambient noise or everyday conversation as a call to Bixby.

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 > Hands-free wake-up

🖉 The images, buttons, and functions of the Samsung Smart Remote may differ with the model or geographical area.

I spoke "三星小贝" but Bixby does not answer.

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.

- 🎤 > Explore Bixby > ⚙ Settings > Voice Wake-up

✎ The images, buttons, and functions of the Samsung Smart Remote may differ with 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.

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

- 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

  (⌂ > ≡ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Usage Mode > Home Mode)

🖊 The menu name or position for this feature may vary, depending on the model.

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

  (⌂ > ≡ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Usage Mode > Home Mode)

  🖉 The menu name or position for this feature may vary, depending on the model.

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.

Touch input does not work properly.

Touch input may not work properly if there is an obstacle between the sensor on the Touch Stand and the projection surface on the floor. If there is any obstacle or connected device in the vicinity of the sensor on the Touch Stand, move it away.

Place the Projector on a flat, horizontal surface. Touch input may not work properly, depending on the Projector installation status and the projection surface conditions.

🖉 This feature is only available in models that support Touch Stand.

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 `Try Now`

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 `Try Now`

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 the Projector `Try Now`

You can view the address of the Samsung website, the service 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 call agent 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.

Requesting service

⌂ > ☰ (left directional button) > ⚙ Settings > Support > Device Care > Request Support `Try Now`

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 see 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 123 button and the right one is the 🎤 button.

- There is a small LED (microphone) between the 🎤 button and the 123 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 ∧/∨ (Channel) button to open the Guide.

  - Press and hold the ∧/∨ (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 running 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, Caption, 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.

Learning about the Accessibility menu functions

- 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.

- Subtitle Settings

  You can view the subtitle in programmes that provide broadcast subtitles.

  ✎ When watching a channel on an external device such as 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.

- **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 screen shows the button name with a brief description of what the 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 see you the structure and features of the menus you select.

- **Picture Off**

  Turn off the Projector screen and provide only sound to reduce overall power consumption. When you press any button on the remote control with the screen 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.

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

- **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.

- **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.

- **Slow Button Repeat**

  You can configure the operation speed of the remote control buttons so that they slow down when you continually press and hold them. Set **Slow Button Repeat** to **On**.

- **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.

- **Auto Menu Sort**

  Automatically sorts your frequently used menu items.

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`

      (🏠 > ☰ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Time > Clock*)

    *: The menu name or position for this feature may vary, depending on the model.

🖊 The images, buttons, and functions of the Samsung Smart Remote may differ with the model or geographical area.

If you need to set the clock again, follow the instructions 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 information 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.

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 Mode** and set the time.

- – 🏠 > ☰ (left directional button) > ⚙ **Settings** > **All Settings** > **General & Privacy** > **System Manager** > **Time** > **Clock** > **Clock Mode*** `Try Now`

  (🏠 > ☰ (left directional button) > ⚙ **Settings** > **All Settings** > **General & Privacy** > **Time** > **Clock** > **Clock Mode***)

  *: The menu name or position for this feature may vary, depending on the model.

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 ∧/∨ (Channel) button to access the **Guide**.
  2. Move to 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 ⌃/⌄ (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 ⌃/⌄ (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, Genre and Favourites. 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

  Edit the channels stored on your Projector.

- All

  Displays the channels that have been automatically searched.

  🖉 The channels received to the currently selected Terrestrial or Cable are displayed.

- Genre

  Select a genre to sort and display specific channels to suit your preferences.

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

- Favourites

  Displays *Favourites, *My List 1 - My List 4 / Favourites 1 - 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.

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

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 Hub, the Projector must be connected to the network.

✎ 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, Daily+, Home, App Store, IoT, Menu.

✎ Supported Smart Hub content may vary depending on the model and geographical area.

Terms & Privacy

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

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".

- Q **Search**

  Search for programmes and movies 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 viewing mode from **Ambient** mode, press ⌂ > the left directional button > ▶ **Media**. 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".

- ▶ Media

  View a variety of TV programmes and use installed apps from the Projector.

  - 🖊 For more information, refer to "About the Media Home Screen".

- ⊞ App Store

  Install a variety of apps offered by Dangbei, such as games, music, movie and education, and use the apps from the Projector.

  🖊 To use App Store, make sure the Projector is connected to a network.

  🖊 For more information, refer to "Using the App Store".

- ⌘ IoT

  From the Projector, use the remote control to control devices connected to the SmartThings cloud or 京东小家 and devices connected directly to the Projector.

  You can set the default smart home service on the sidebar, and synchronise voice control capabilities, which can be changed in ☰ (left directional button) > ⚙ Settings > All Settings > General & Privacy > Default IoT Service later.

  🖊 For more information about SmartThings, refer to "Using SmartThings".

  🖊 Whether the 京东小家 app is supported may differ, depending on the policy.

- ☰ 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".

Launching the User guide

Open the user manual embedded in your Projector.

(⌂) > ≡ (left directional button) > ⚙ **Settings** > **Support** > **Open User guide**

((⌂) > ≡ (left directional button) > ⚙ **Settings** > **Support** > **Tips and User Guides** > **Open User guide**)

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

- 🖊 The menu name or position for this feature may vary, depending on the model.

- 🖊 Alternatively, you can download a copy of the User guide from Samsung's website (https://www.samsung.com).

- 🖊 Words in blue (e.g., App Store) 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

A guide to using Bixby 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.

🖊 The images, buttons, and functions of the Samsung Smart Remote may differ with 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 **Explore Bixby**. Press the 🎤 button. The ⊘ button appears at the bottom right of the screen. Press the Select button to go to the **Explore Bixby** screen.

🖊 The images, buttons, and functions of the Samsung Smart Remote may differ with the model or geographical area.