SAMSUNG

User guide

Thank you for purchasing this Samsung product.
To receive more complete service, please register your product at

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 Learn Menu Screen link below.
"Learn Menu Screen" Link

Contents

Guide

Projector Screen Adjustment

6 Guide to screen adjustment

10 Adjusting the screen by using menu items of the product

14 Adjusting the Keystone from SmartThings on the mobile device (2023 The Freestyle model only)

Connections

15 Connection Guide

17 Connecting to the network

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

25 Displaying your mobile device screen on the Projector

27 Connection Cables for External Devices

29 Switching between external devices connected to the Projector

32 Connection Notes

35 Using Multi Control

35 Using Storage Share

Remote Control and Peripherals

36 About the Samsung Smart Remote

38 Connecting the Samsung Smart Remote to the Projector

39 Controlling External Devices with a Samsung Remote Control - Using the Universal Remote Setup

40 Learn how to use Samsung Smart Remote

40 Learn how to use Game Controller

41 Using Anynet+ (HDMI-CEC)

43 Controlling the Projector with a Keyboard, Mouse, or Gamepad

48 Entering Text using the On-Screen Virtual Keyboard

Smart Features

50 Using Smart Hub

54 Using Ambient Mode

60 About the Generative Wallpaper

62 About the Samsung Daily+ Home screen

64 Using Samsung Gaming Hub

66 Using the Home Function

67 About the For You Home Screen

70 About the Live Home Screen

71 About the Apps Home Screen

76 About the Settings Home Screen

81 Using a Samsung account

83 Using Workspace

89 Using TV Access

91 Using a larger screen by putting two screens together

92 Using the User guide

94 Using the Internet

95 Using SmartThings

100 Playing pictures/video/music

106 Using Multi View

108 Using Vision AI Companion

110 Using Click to Search

Advanced Features

111 Using Intelligent Mode

113 Using Voice Assistants

114 Using Bixby

119 Using Game Mode

122 Using the Game Bar

127 Configuring Start Screen

Projector Viewing

128 Using the Guide

130 Setting Up Schedule Viewing

132 Using the Channel List

133 Using the channel edit function

134 Using a Personal Favorites List

135 Projector-Viewing Support Functions

Picture and Sound

136 Adjusting the Picture Quality

140 Changing the Picture Size and Position

141 Setting the Viewing Environment for External Devices

142 Configuring a Sound Mode and Expert Settings

144 Using the Sound Support Functions

System and Support

148 Using the Time Functions and the Timers

151 Using the Power and Energy Saving Functions

153 Updating the Projector's Software

154 Using the Parental Settings function

155 Audio and Video Functions for the Visually or Hearing Impaired

162 Using Other Functions

Precautions and Notes

166 Read Before Using Apps

167 Read Before Using the Internet Function

169 Read Before Playing Photo, Video, or Music Files

178 Read After Installing the Projector

179 Supported Resolutions for UHD Input Signals

180 Read Before Connecting a Computer (Supported Resolutions)

183 Supported Resolutions for Video Signals

184 Read Before Using Bluetooth Devices

185 Blocking programs based on their TV Rating

188 Licenses & Other Information

Troubleshooting

Picture Issues

189 The screen is flashing or has become dark

189 The picture is not bright, or the picture colors do not look clear

190 The picture colors are black and white or do not look the way they should look

191 The Projector automatically turns off by itself

191 Unable to power on

191 Unable to find a Channel

192 The Projector image does not look as good as it did in the store

192 Displayed video looks blurry

193 The picture is distorted

193 There is a dotted line on the edge of the screen

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

194 The picture won’t display in full screen

194 The Caption function in the Projector menu is deactivated

195 Captions appear on the Projector screen

195 The HDR of the connected external device turns off

Sound and Noise Issues

196 How can I connect an audio device to the Projector?

196 There is no sound or the sound is too low at maximum volume.

196 The picture is good but there is no sound.

197 HDMI (eARC/ARC) is connected, and there is no sound.

197 The speakers are making an odd sound.

197 The sound is interrupted.

198 Whenever a function is used on the Projector or the channel is changed, the Projector voices the activity. The Projector explains in voice-over the video scenes displayed on the screen.

198 The Projector audio is not being played through the Soundbar or A/V receiver.

198 The sound is not heard clearly.

199 The volume of the external device cannot be adjusted.

199 I want to turn the Projector and audio device off and on at the same time.

External Device Connectivity Issues

200 The "Mode Not Supported" message appears.

200 The video is OK but there is no audio.

200 I want to connect to a PC and mobile device via screen mirroring.

201 No screen appears when connecting the Projector to an external device.

201 I want to connect to a Bluetooth speaker.

201 The PC screen does not appear or it flickers.

Network Issues

202 Wireless network connection failed. Unable to connect to a wireless access point. Unable to connect to the network.

203 Wired network connection failed.

203 Connected to a local network, but not to the Internet.

Anynet+ (HDMI-CEC) Issues

204 What is Anynet+?

204 Anynet+ does not work. The connected device is not displayed.

205 I want to start Anynet+. I also want the connected devices to turn on when the Projector is turned on.

205 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.

205 The message "Connecting to Anynet+ device..." or "Disconnecting from Anynet+ device" appears on the screen.

205 The Anynet+ device won't play.

Remote Control Issues

206 The remote control does not work.

206 External devices cannot be operated with the Projector remote control.

Apps

207 I cannot find the app I want.

207 I launched an app, but it's in a different language. How can I change the language?

208 The app does not work properly. Its image quality is poor.

208 The Smart Hub Home Screen keeps appearing whenever you turn on the Projector.

Media Files

209 Some files are interrupted during playback.

209 Some files can't be played.

Voice Assistant Issues

210 The microphone is off.

210 The voice commands do not work well.

211 Bixby/Alexa answers although I did not call it.

211 I spoke "Hi, Bixby/Alexa" but Bixby/Alexa does not answer.

212 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.

212 During voice recognition, the heavy load message appears and the function does not work.

212 I want to see weather information of the desired area.

Other issues

213 The Projector is hot.

213 The Projector smells like plastic.

213 The settings are lost after 5 minutes or every time the Projector is turned off.

213 The Projector is tilted to the side.

214 A POP (Projector’s internal banner ad) appears on the screen.

214 The Projector is making a popping noise.

214 The Projector is making a humming noise.

215 The screen is off, but I hear noise.

215 The Projector narrates the screen events in voice-over.

215 Touch input does not work properly.

Diagnosing Projector operational issues

216 Self Diagnosis

217 Reset Smart Hub

217 Reset picture

217 Reset sound

Getting Support

218 Getting support through Remote Management

218 Finding the contact information for service

218 Requesting service

Accessibility Guidance

Learn Menu Screen

219 Using the Remote control

221 Using the Accessibility Menu

227 Using the Projector with Voice Guide on

229 Using the guide

231 Using Schedule Viewing

232 Using the Channel List

233 Using Smart Hub

235 Launching the User guide

236 Using Bixby

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.

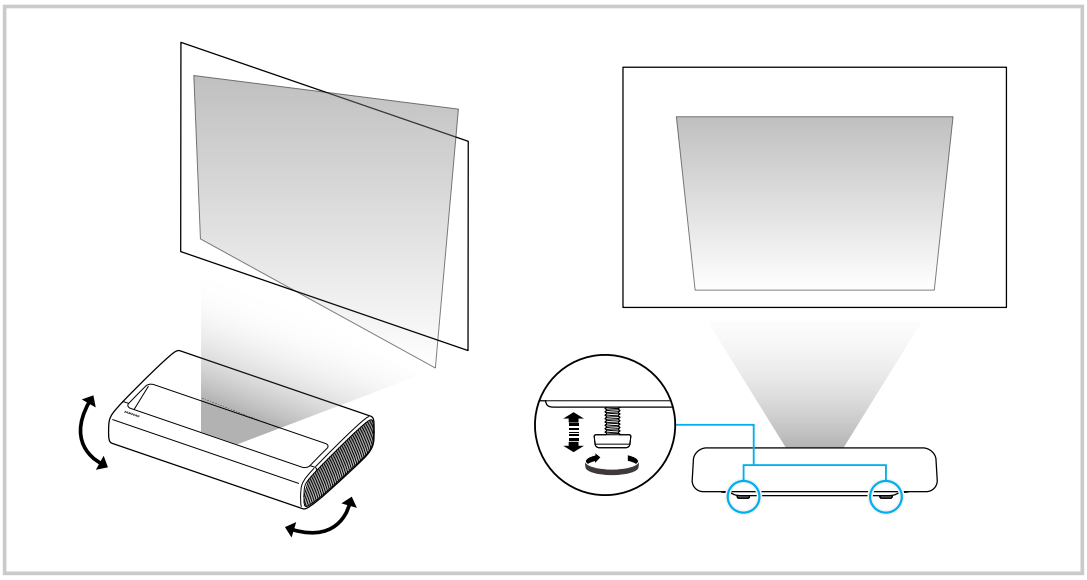
Guide to screen adjustment

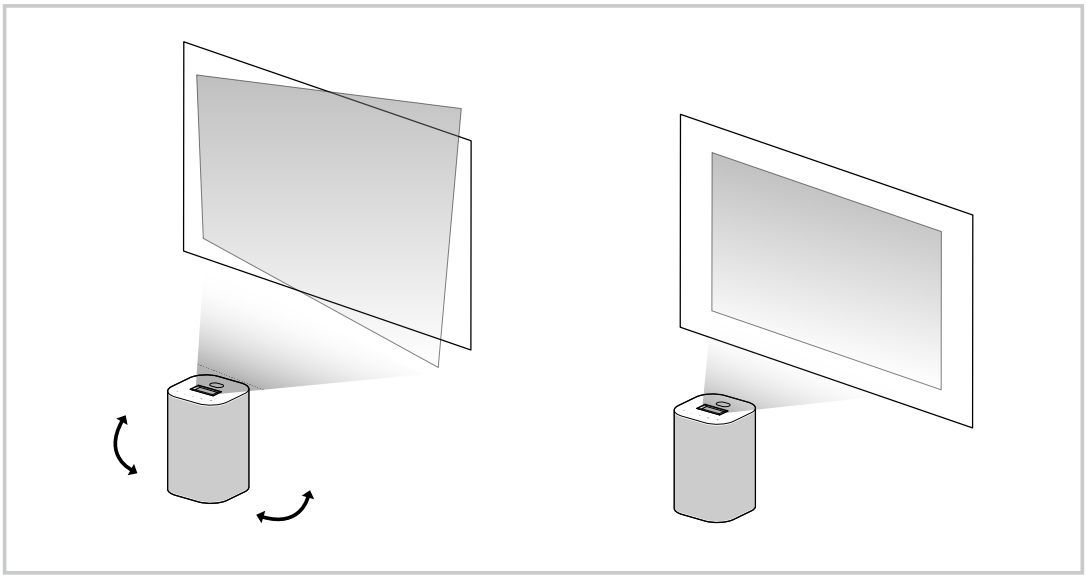
When the screen looks skewed or blurry, adjust the screen.

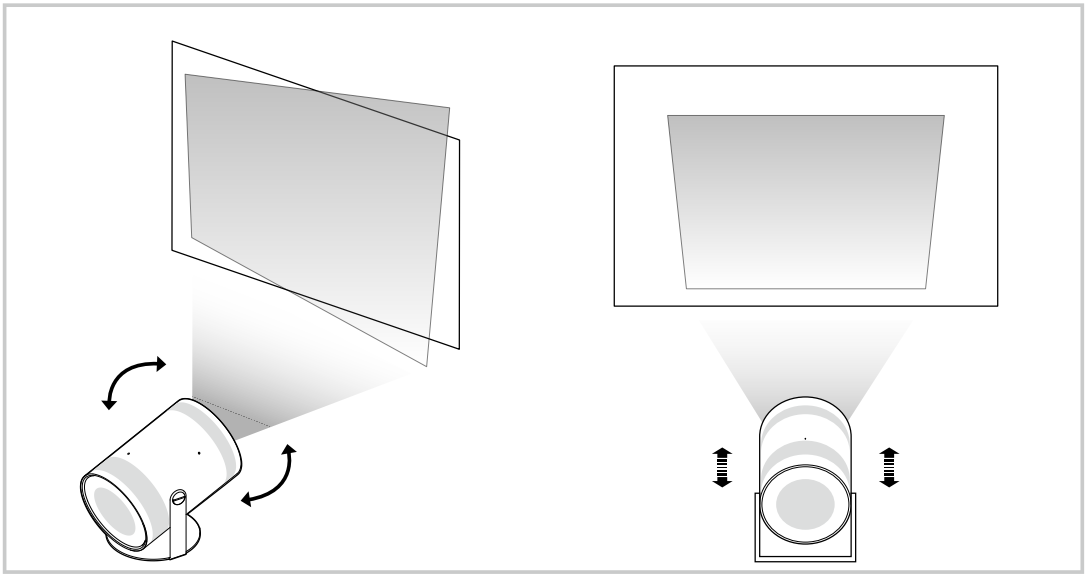
1. Move the Projector left/right to adjust the angle. Install the Projector on a flat surface, and move it so that the projected screen is rectangular.

   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.

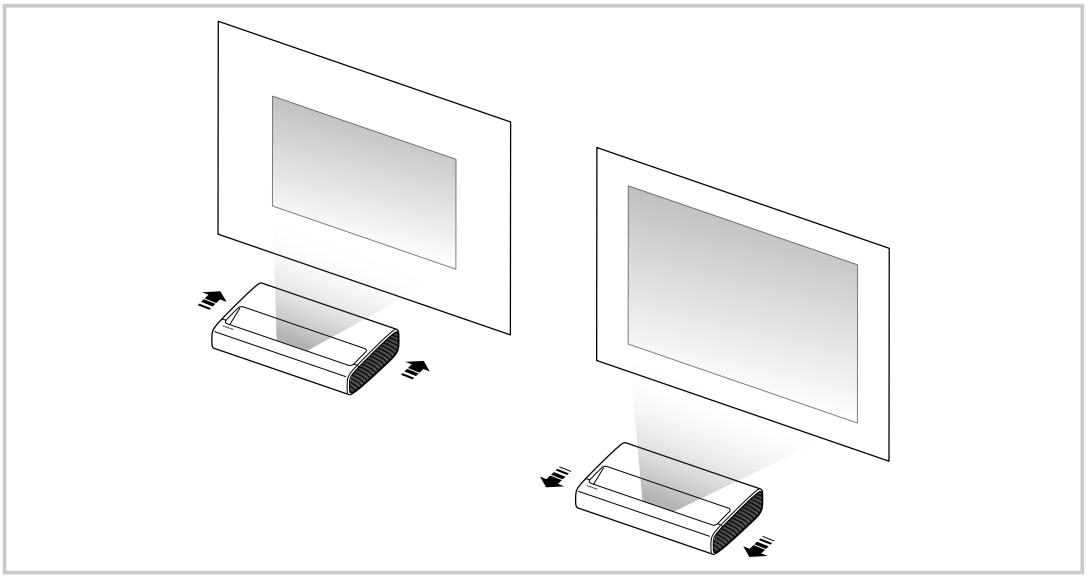
   - Some models do not have angle adjustment feet on the bottom.
   - The product color and shape may vary depending on the model.

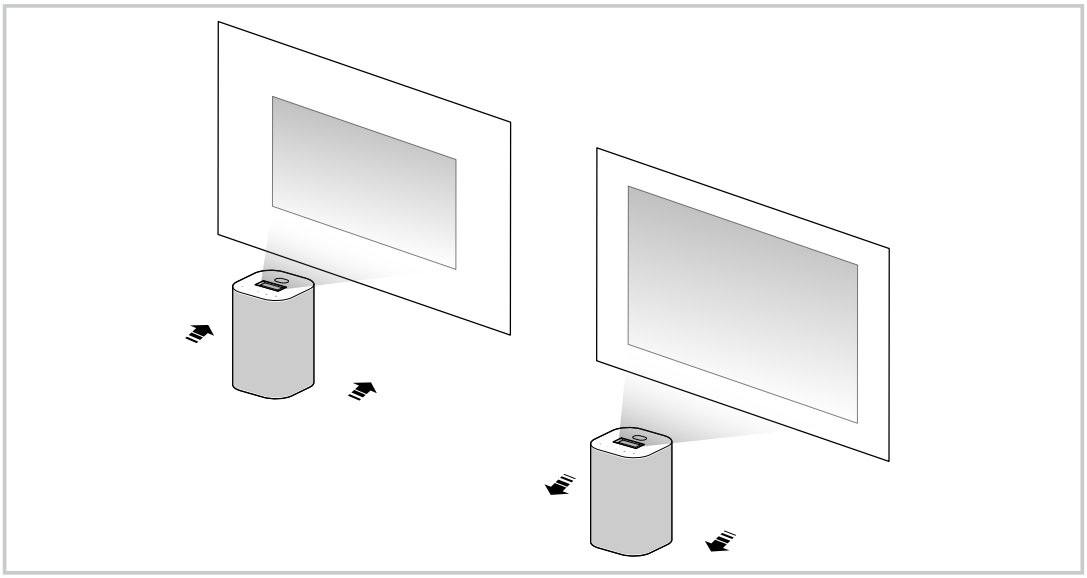


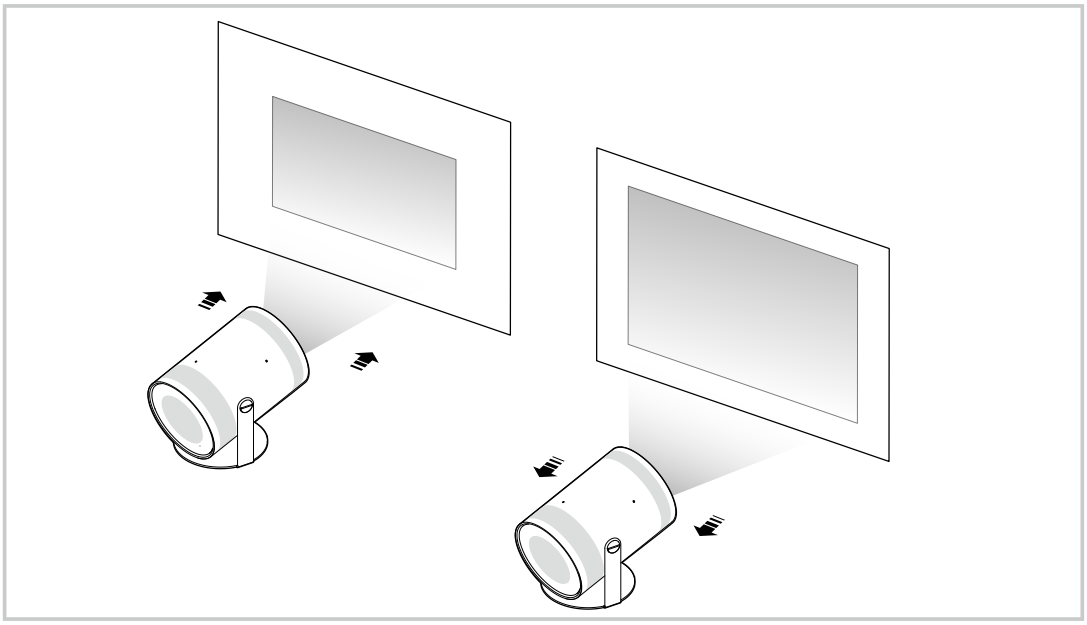




2. Move the Projector back and forth to adjust the screen size.







When the screen looks skewed or distorted, use the, *Keystone/Manual Keystone (> left directional button > Settings > All Settings > Projector Settings > Keystone/Manual Keystone) function. Try Now

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

When the screen looks blurry, use the *Focus/Manual Focus (> left directional button > Settings > All Settings > Projector Settings > Focus/Manual Focus) function. Try Now

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

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

Home > left directional button > Settings > All Settings > Projector Settings

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

- AI OptiScreen Settings

  Enjoy an AI-optimized, hassle-free viewing experience.

  This function may not be supported depending on the model.

  For more information, refer to "Using AI OptiScreen Settings."

- 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.

- Manual Keystone

  Manually adjust the keystone to correct screen distortion.

  This function may not be supported depending on the model.

- Keystone

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

  This function may not be supported depending on the model.

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

- Auto Scale

  Automatically adjusts the projection screen by sensing flatness and obstacles in the projection area, to activate the touch function.

  - Only The Premiere 5 series supports this feature.
  - This feature is enabled only when the touch stand is attached or floor projection mode is in use.
  - This feature may not work if:
    - There are small, transparent or highly reflective objects within the touch area
    - The color of the projection surface is the same as the surroundings
    - The recognized touch area is smaller than 50 % of the projection screen size

- 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.

- Manual Focus

  Manually adjust the focus to match the projection distance.

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

- Focus

  This feature adjusts the projected screen focus.

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

- 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.

- Touch Activation

  Activates the touch function by running touch area recognition.

  - Only The Premiere 5 series supports this feature.
  - This feature is enabled only when the touch stand is attached or floor projection mode is in use.

- Auto Flip Screen Vertically Try Now

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

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

- **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

  When you approach to the projector, the beam's brightness is automatically lowered to protect your eyes from strong beam.

  - This function may not be supported depending on the model.
  - The menu name or position for this feature may vary, 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 with the remote control.

  - 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.
  - When the Rollable Screen stops while running, wait and try again.
  - This function may not be supported depending on the model.

- **Setup Guide** Try Now

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

Using AI OptiScreen Settings

> left directional button > Settings > All Settings > Projector Settings > AI OptiScreen Settings

Enjoy an AI-optimized, hassle-free viewing experience.

- AI OptiScreen

  Choose Auto to use all features, or Custom to activate them manually.

- 3D Auto Keystone

  Displays a square-shaped image on any projection surface—walls, ceilings, curtains or corners.

- Real-time Focus

  Provides a clear, blur-free image in real time.

- Obstacle Avoidance

  Automatically detects obstacles and adjusts the screen position for uninterrupted viewing. When the projection environment changes, a pattern appears on the screen for analysis.

- Screen Fit

  Automatically adjusts the image to match your screen area. When the projection environment changes, a pattern appears on the screen for analysis.

- Adaptive Picture

  Automatically optimizes brightness based on ambient lighting and the content being played.

  – Vision Booster

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

- Eye Protection Mode

  Instantly dims the screen when movement is detected, ensuring a more comfortable viewing experience.

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

- Wall Calibration

  Adjusts the brightness and color temperature based on the wall's color and pattern. Patterns will temporarily appear on the screen for analysis.

  The results of Wall Calibration may vary depending on the surrounding environment (e.g., brightness) and the characteristics of the wall (e.g., texture, pattern).

Adjusting the Keystone from SmartThings on the mobile device (2023 The Freestyle model only)

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 analyzing 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

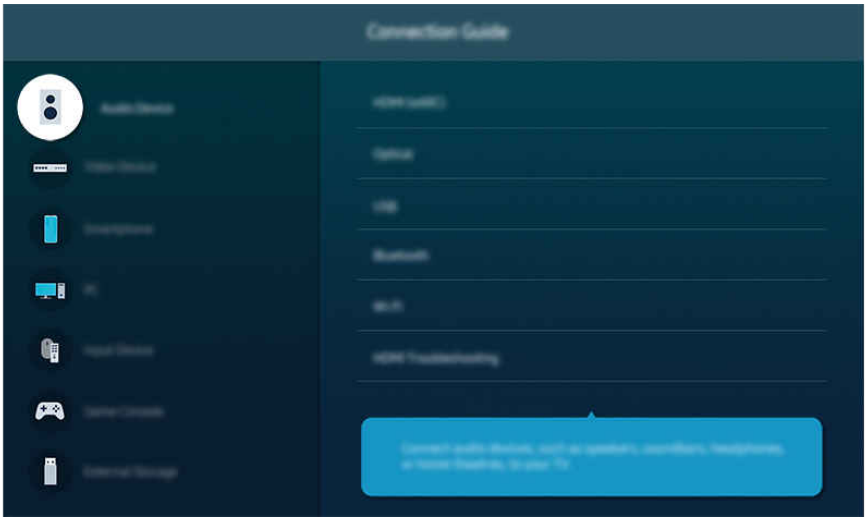
It shows you how to connect various external devices, such as video devices, game consoles, and PCs using pictures. If you select the connection method and an external device, the connection details appear.

- Audio Device: HDMI (eARC/ARC), Optical/Audio Out, USB, Bluetooth, Wi-Fi
- Video Device: HDMI
- Smartphone: Screen Sharing (Smart View), Screen Sharing (Tap View), Samsung DeX, SmartThings, Camera Sharing, Apple AirPlay
- PC: HDMI, Screen Sharing (Wireless), Easy Connection to Screen, Apple AirPlay
- Input Device: Touch Stand, Remote Control, USB Keyboard, USB Mouse, USB Gamepad, USB Camera, Bluetooth Device
- Game Console: HDMI
- External Storage: USB Flash Drive

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

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

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



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.

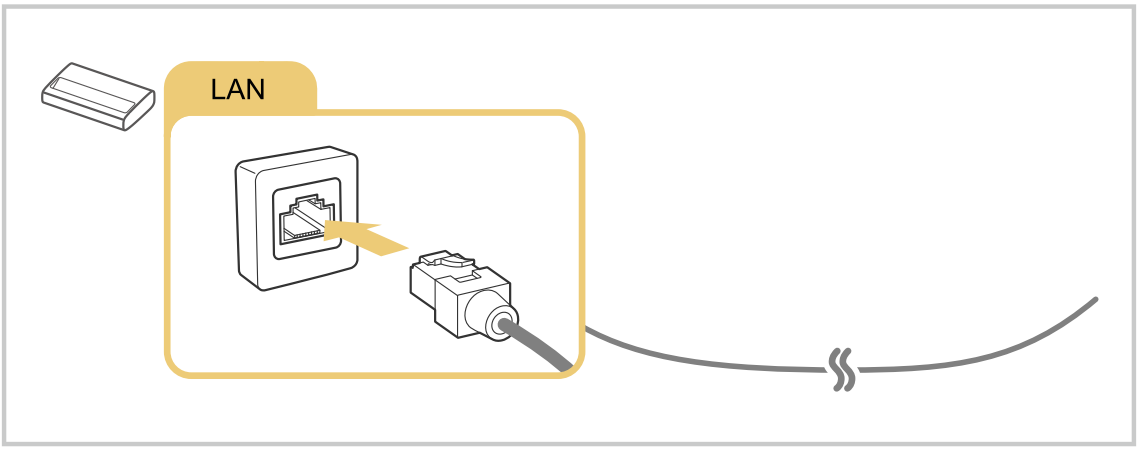
> left directional button > Settings > All Settings > Connections > Network > Network Settings Try Now

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 > Connections > Network > Network Settings > Wired

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



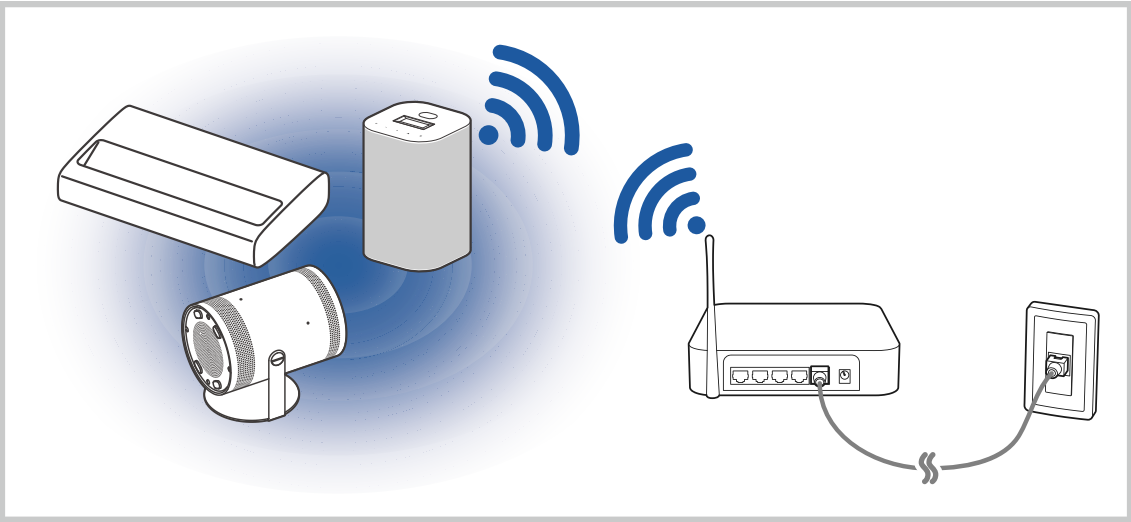
- If the Projector does not automatically connect to the network, refer to "Wired network connection failed." in "Troubleshooting."
- To connect a LAN cable, use a CAT 7 (*STP type) cable for the connection. (100/10 Mbps)

  * 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

Home > left directional button > Settings > All Settings > Connections > Network > 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 color 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**, and then press the Select button.
- To disconnect Wi-Fi, select **Disconnect** in ⌂ > left directional button > ⚙ Settings > All Settings > Connections > Network > Network Status. Try Now

Checking the network connection status

⌂ > left directional button > ⚙ Settings > All Settings > Connections > Network > Network Status Try Now

View the current network status.

Resetting Your Network

⌂ > left directional button > ⚙ Settings > All Settings > Connections > 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 > Connections > 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 is available with a mobile device connected to the Projector through the SmartThings app or the Apple AirPlay function.

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

Connecting an IP control device to the Projector

> left directional button > Settings > All Settings > Connections > 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 authorized 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.

Allowing to connect a wireless network

> left directional button > Settings > All Settings > Connections > 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 > Support > About Projector > Edit Name

You can change the name of the Projector on the network.

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."

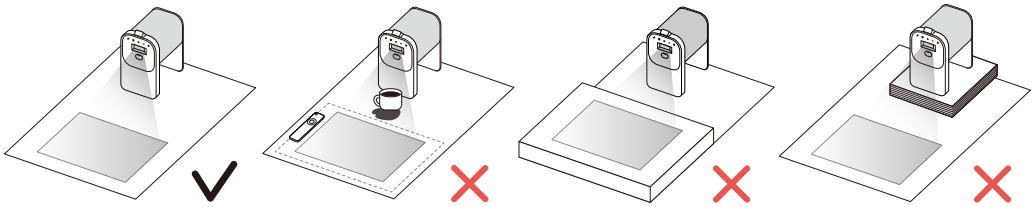
   Touch input may not work properly if the camera lens or IR sensor of the Touch Stand is dirty. Use a cotton swab or soft cloth to remove any dirt.

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.

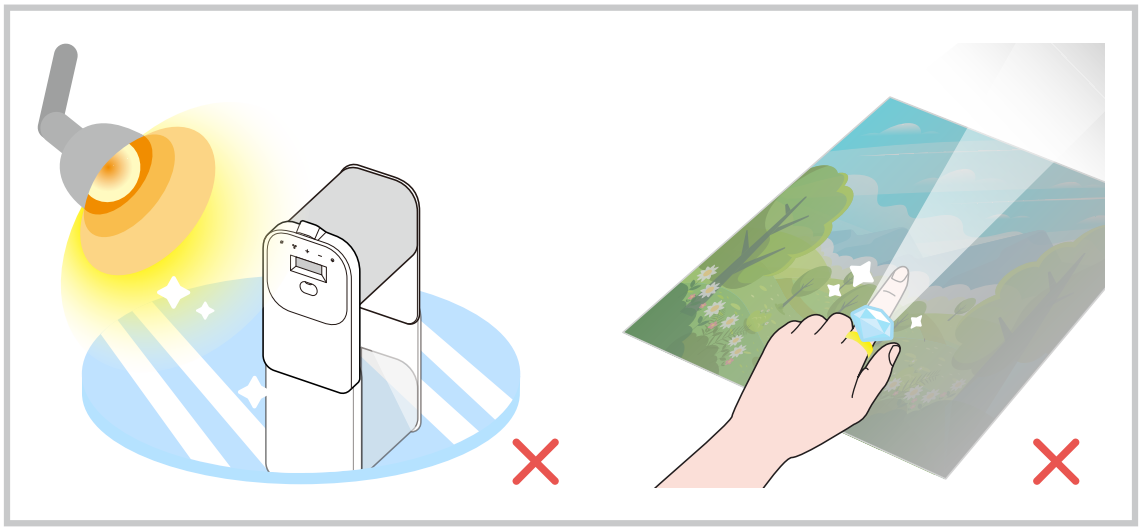
   Touch mode may not work properly if the product and the projected floor are not at the same height.

   Project images on a surface larger than the projected screen size. The projection screen size can be automatically adjusted to fit the environment in which the Projector is installed, using the **Auto Scale** feature (> left directional button > **Settings** > **All Settings** > **Projector Settings** > **Auto Scale**).



Checking environment conditions for using the touch function

Touch input may not work properly under the following conditions. Avoid the following when installing or using the Projector.

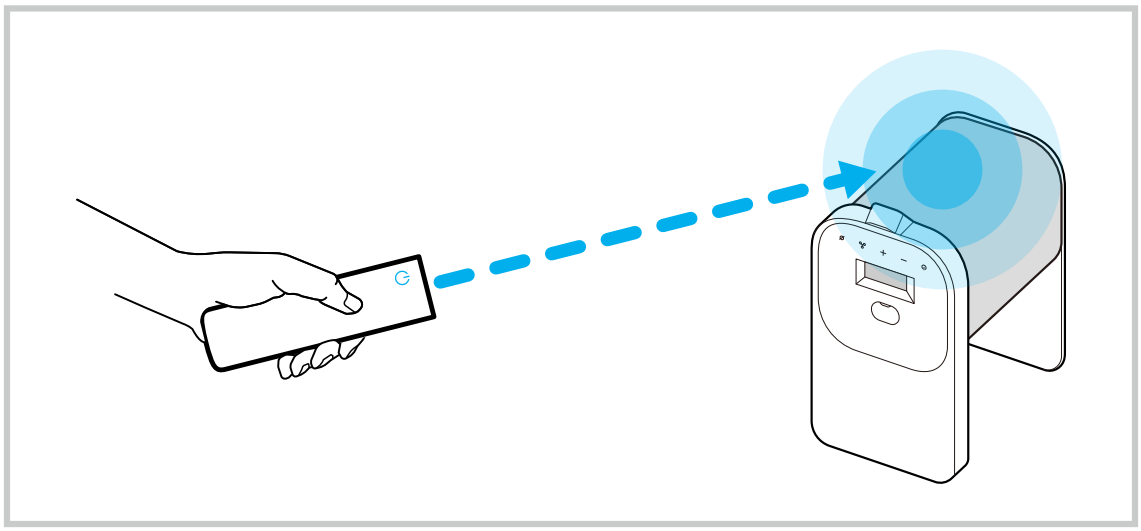


- Uneven projection surfaces
- Dark or reflective projection surfaces
- Under strong light sources, such as direct sunlight, halogen or incandescent lights
- Conditions in which infrared rays emitted from any external devices (e.g., mobile devices, cameras, or remote controls) interfere with the projection surface
- Use of the touch function in an indoor location exposed to strong natural light
- Using an external light source (e.g., a candle) close to the Projector
- Use of the touch function while wearing a light-reflective accessory or nail art
- Use of the touch function while wearing gloves or long sleeves extending over the back of the hand
- Application of excessive force to the product
- Presence of an obstacle around the projection surface or between the product and projection surface
- 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, Apple AirPlay or Tap View.

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

- This function may not be supported depending on the model.
- For more information, refer to "Using Multi View."
- 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 Apple AirPlay

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

- This function may not be supported depending on the model or geographical area.
- To use Apple AirPlay, make sure Apple AirPlay Settings is enabled.
  - > left directional button > Settings > All Settings > Connections > Apple AirPlay Settings*
  - > left directional button > Settings > All Settings > Advanced Features > Apple AirPlay Settings*

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

Using Screen Sharing (Tap View)

By tapping the mobile device on your Projector, you can watch 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.

- This function may not be supported depending on the model.
- This function is only available in Samsung mobile devices with Android 8.1 or higher.

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.
   - Be sure to tap away from the corners of the Projector. 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.
   - When you perform Tap View in Ambient mode, only the mobile device's screen appears on the Projector.
4. Watch the Multi View, Music Wall, or mobile device's screen on the Projector screen.

- 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.

Enabling Tap View

Enable Tap View in the SmartThings app.

- Depending on the SmartThings app version, you may need to register the Projector with your mobile device.
- This function may not be supported depending on the model.

1. Launch the SmartThings app on your mobile device.
2. Select Settings (☰ > ⚙) in SmartThings app on your mobile device.
3. Set Tap View, Tap Sound to on.
   - Upon connection for the first time, select Allow on a pop-up window of the Projector.

Connection Cables for External Devices

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

- 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 or 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 or 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 programs and the content of external devices.

> left directional button > Connected Devices

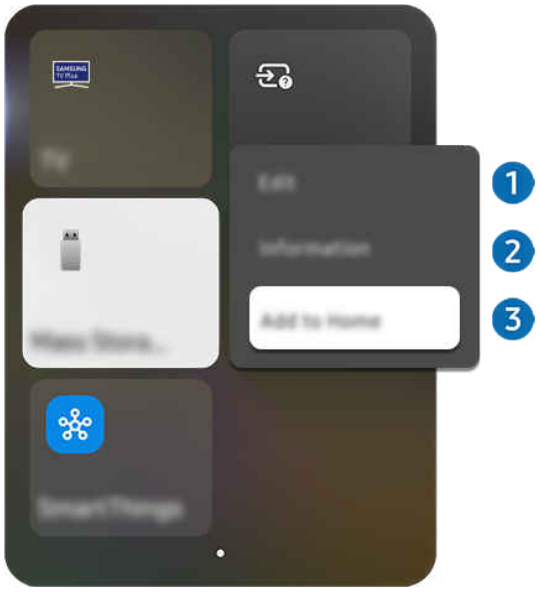
When you select a connected external device on the Sources screen, the output of the selected device is displayed on the Projector's screen.

- 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

Home > left directional button > Connected Devices

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



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

1. Move the focus to a connected external device.
2. Press and hold the Select button. The following functions become available:

   Available functions may differ depending on the port type.

1 Edit

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

2 Information

You can view detailed information about an external device.

3 Add to Home

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

Using additional functions

You can use the SmartThings feature.

- SmartThings

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

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

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

You can use the following features on the Sources screen.

- Camera Experience

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

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

  For details on how to connect, refer to Camera Share (> left directional button > Connected Devices > Connection Guide > Smartphone > Camera Share).

  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.

- TV Access

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

  For more information, refer to "Using TV Access."

- Connection Guide

  Displays device connection instructions.

  For more information, refer to "Connection Guide."

- Universal Remote Setup

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

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

  For more information, refer to "Controlling External Devices with a Samsung Remote Control - Using the Universal Remote Setup."

Connection Notes

When connecting an external device, note the following:

The number of connectors, and their names and locations may differ with the model.

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

Connection notes for HDMI

- The following types of HDMI cables are recommended:
  - High Speed HDMI Cable
  - High Speed HDMI Cable with Ethernet
  - Premium High Speed HDMI Cable
  - Premium High Speed HDMI Cable with Ethernet
  - Ultra High Speed HDMI Cable
- Use an HDMI cable with a thickness of 0.66 inches (17 mm) or less.
- Using a non-certified HDMI cable may result 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 standardized by the IEEE.

  Some models may not support wired networks.
- Use a cable shorter than 10 feet (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 Select button to select Receiver (Optical) on the Sound Output menu. (> left directional button > Settings > Sound Output > Select button to toggle between sound output modes) Try Now

  – Select Receiver (Optical) on the Sound Output menu. (> left directional button > Settings > All Settings > Sound > Sound Output) Try Now

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

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

Connection notes for computers

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

Connection notes for mobile devices

- To use the Smart View function, the mobile device must support a mirroring function, such as Screen Mirroring or Smart View. To check whether your mobile device supports the mirroring function, refer to the mobile device's user manual.
- The Screen Sharing (Smart View) feature may not operate smoothly in a 2.4 GHz environment. For better experience, 5.0 GHz is recommended. 5 GHz may not be available depending on the model.
- To use Wi-Fi Direct, the mobile device must support the Wi-Fi Direct function. To check whether your mobile device supports Wi-Fi Direct, refer to the mobile device's user manual.

  This function may not be supported depending on the model or geographical area.
- The mobile device and your Projector must be connected to each other on the same network.
- Use AirPlay if you are an iPhone or iPad user. For more information, refer to > left directional button > Connected Devices > Connection Guide > Smartphone > Apple AirPlay. Try Now

  This function may not be supported depending on the model or geographical area.
- The video or audio may stop intermittently, depending on network conditions.
- When sharing content with other network-based devices, such as those in an IP (Internet Protocol) storage system, sharing may not be supported due to the network's configuration, quality, or functionality, for example, if the network has a NAS (Network-Attached Storage) device.

Using Multi Control

Connect to nearby Galaxy devices to control them using the same keyboard and mouse.

Home > left directional button > Settings > All Settings > Connections > Multi Control

If you turn on Multi Control mode, you can connect all Galaxy devices in the vicinity and control them with a single keyboard and mouse.

- To connect to those devices, make sure that Multi Control mode, Wi-Fi and Bluetooth are enabled and the same Samsung account is logged in on all the devices.
- This function may not be supported depending on the model or geographical area.
- This feature may not be supported, depending on the Galaxy device model and the One UI version.

Using Storage Share

Connect to a nearby Galaxy device to access its storage and check stored files.

Home > left directional button > Settings > All Settings > Connections > Storage Share

Turn on the Storage Share feature. The Galaxy devices in the vicinity can be found in the list under Connected Devices.

Select the intended device from the list, and access the device storage to check stored files.

- To connect to those devices, make sure that Storage Share mode, Wi-Fi and Bluetooth are enabled and the same Samsung account is logged in on all the devices.
- This function may not be supported depending on the model or geographical area.
- This feature may not be supported, depending on the Galaxy device model and the One UI version.

Remote Control and Peripherals

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

About the Samsung Smart Remote

Learn about the buttons on the Samsung Smart Remote.

Button	Description
(Power)	Press to turn the Projector on or off.
MIC / LED	Used as MIC when using voice recognition with the remote control. When charging the remote control via the USB port, the LED is lit if charging is in progress. When charging is complete, the LED is turned off. • Do not impact the MIC hole or use a sharp object to poke into the hole.
(AI/Click to Search)	Opens the **AI** or **Click to Search** function. The services opened when this button is pressed depend on the software version. This function may not be supported depending on the model or geographical area. [AI] Press the button to open the Vision AI Companion function. Vision AI Companion is an interactive AI service that answers your questions and provides the information you need. • Find out the key AI capabilities from the launched Vision AI Companion. [Click to Search] Press this button while watching a broadcast, to obtain recommended information related to the broadcast. • The type of recommended information may differ, depending on the content provider.
/ (Voice Assistant)	Runs Voice Assistant. Press and hold the button, say a command, and then release the button to run Voice Assistant.
(Settings - Number - Color button)	You can access Setting menu / virtual numeric pad / Color 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 Color Button appears with a number strip on the screen, select the Color Button and then select a specific color by using the directional button (up, down, left, right).

Button	Description
Directional button (up, down, left, right)	Use to navigate the menu or move the focus to highlight items on the Home Screen.
Select	Selects or runs a focused item. When pressed while you are watching a broadcast program, detailed program 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 program, the previous channel appears.
(Smart Hub)	Press to switch to the Home Screen.
(Play/pause)	When pressed, the playback controls appear. Using these controls, you can control the media content that is playing. To use Game Bar, press and hold the button in Game Mode. Game Bar may not be supported depending on the model or geographical area.
+/− (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.
Launch app button	Launch the app indicated by the button. Available apps may differ depending on the geographical area or contents provider.

- Use the Samsung Smart Remote less than 20 feet (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 Control > Remote Grip Sensor*

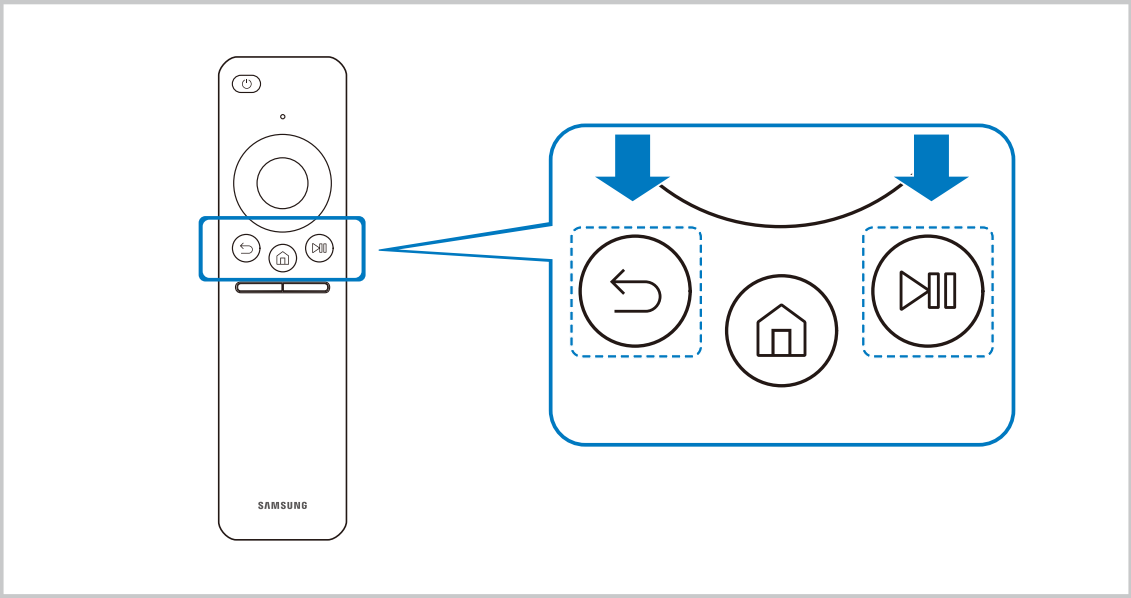
*: The menu name or position for this feature may vary, depending on the model.

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 around external devices or the Projector. 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 > Connections > 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 theaters 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 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 theaters. Anynet+ (HDMI-CEC) can control only one home theater 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 theater 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 Gamepad

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

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

Connecting a USB keyboard, mouse, or gamepad

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

- This function may not be supported by some apps or external devices.
- XInput USB gamepads are supported.
- For more information, refer to Input Device in Connection Guide (> left directional button > Connected Devices > Connection Guide > Input Device)

Connecting a Bluetooth keyboard, mouse, or gamepad

> left directional button > Settings > All Settings > Connections > Bluetooth Try Now

- If your device was not detected, position the keyboard close to the Projector, and then select Scan. The Projector scans for available devices again.
- This function may not be supported by some apps or external devices.
- A maximum of four gamepads can be connected, regardless of connection method (e.g., USB or Bluetooth).
  - When using two Bluetooth audio devices, it is best to use USB gamepads.
  - When using one Bluetooth audio device, up to two Bluetooth gamepads can be connected.
- For more information, refer to the Bluetooth device's user manual.
- This function may not be supported depending on the model or geographical area.

Using the keyboard and mouse

Button	Description
Directional keys	Use to navigate the menu, or move the focus to highlight items on the Home Screen.
Enter key	Selects or runs a focused item
ESC key	Returns to the previous screen
Number keys	Enter numbers
F1 key	Turns on or off the Projector
F2 key	Displays the Settings menu / numeric keypad / Option pad / SmartThings app Each time you press this button, Settings menu / virtual numeric pad / Option pad / SmartThings app are displayed alternately.
F3 key	Plays/pauses
F4 key	Displays the Settings screen
F5 key	Displays the Home Screen
F6 key	Displays the Sources screen
F7 key	Displays the Channel List
F8 key	Mutes the sound
F9 / F10 key	Adjusts the volume
F11 / F12 key	Changes the channel
Page Up / Page Down	Scrolls a webpage displayed by the Internet app.
Left-click	Selects and runs an item. This function is not available in some apps. You can click a menu or link to start a function as you do on a PC.
Right-click	Calling up shortcut buttons, such as /+/−/∧/∨ Easily access a menu by right-clicking on the mouse and selecting the menu from among the displayed shortcut buttons. Displayed shortcut buttons may differ, depending on the screen.

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

Using the Gamepad

Check the supported gamepads. Try Now

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

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

- Some keys are not available on this product depending on controller.
- Force feedback :

  "Not support" (This product can’t support force feedback.)

  "-" (Controllers don’t have force feedback function.)

  * Tizen Projector will support only XInput mode for the supported gamepads.

  * Xbox controllers may require firmware updates.
- Controller audio output (3.5 mm port) is not available on this product.
- Other controllers may or may not work for cloud gaming.

Using the controller

Button	Description
Left joystick and dpad	4 way navigation
Right joystick	• Up / Down : Volume control (Up / Down) • Left / Right : Channel control (Up / Down) on Projector screen • Select (press): Mute the sound
A button or X button (Sony Only)	Enter (OK)
B button or O button (Sony Only)	Return (Cancel)
Pressing and holding the B button or O button (Sony Only)	Exit
Home button	Smart hub homepage
Pressing and holding the Home button	(During cloud game play) Quick panel
Option button on the left	Game Bar (when Game Mode is turned on and an external source is connected)
X button or □ button (Sony Only)	Numeric buttons (123)
Pressing and holding the left and right joysticks simultaneously	Power Off (Turning power on is not possible)

The button operation may differ depending on some apps or the controller.

If you connect controller to this product by Wi-Fi solution, you cannot use UI navigation function.

Setting up the input devices

Home > left directional button > Settings > All Settings > Connections > External Device Manager > Input Device Manager Try Now Try Now

(Home > 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

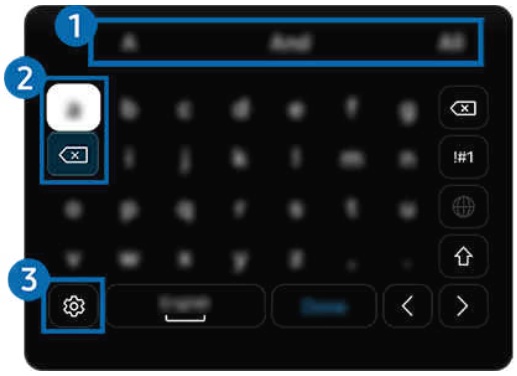
  You can set up the keyboard with the Keyboard Language and Keyboard Type functions.

- 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.

1 Recommended 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.

❷ 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.

❸ Settings

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

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

- Recommended text
  - Recommended text
  - Reset Recommended Text Memory
  - Show Editing Buttons
- Languages and Types

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

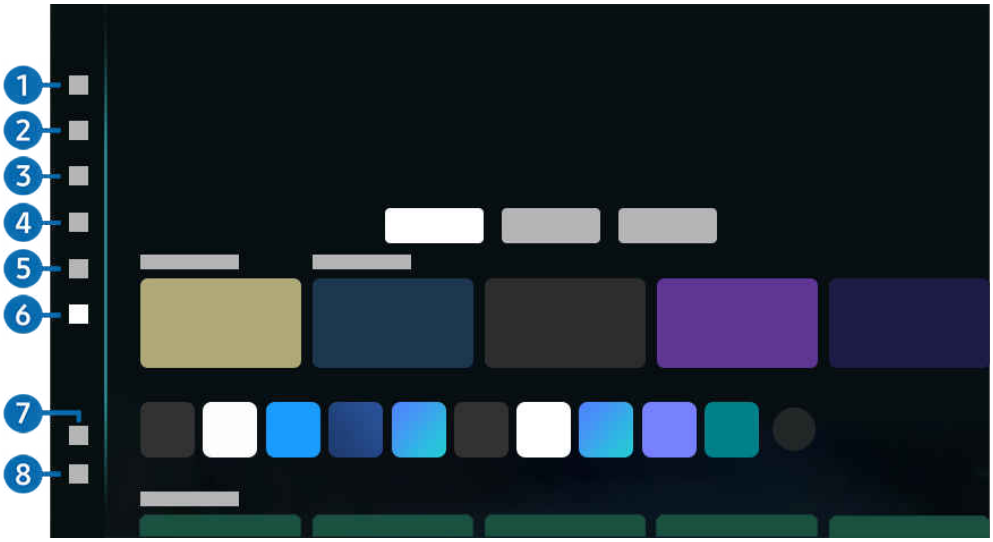
View descriptions of Smart Hub's basic functions.

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

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

Displaying the Home Screen

Press the button.



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

1 Samsung Account

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

For more information, refer to "Using a Samsung account."

2 Search

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

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

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

3 Ambient

When the Projector is not being used, set your Projector to display content that you desire such as the Time or Weather.

To return to TV mode from Ambient mode, press > the left directional button > Home. Press the button to turn off the Projector.

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

For more information, refer to "Using Ambient Mode."

4 Samsung Daily+

Provides useful services, such as home training, remote work and commerce, allowing users to conveniently experience different lifestyles.

- This function may not be supported depending on the model or geographical area.
- For more information, refer to "About the Samsung Daily+ Home screen."

5 Game

Play games from the Projector screen by connecting a Controller to the Projector. Configure settings to optimize the Controller and audio device for playing games.

- This function may not be supported depending on the model or geographical area.
- For more information, refer to "Using Samsung Gaming Hub."

6 Home

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

- For more information, refer to "Using the Home Function."

7 Settings

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

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

8 Privacy Choices

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

- To use Smart Hub, you must agree to the Smart Hub service agreement and the collection and use of personal information. Without giving consent, you cannot use the additional features and services. You can view the entire text of the **Terms & Privacy** by navigating to > left directional button > **Settings** > **All Settings** > **General & Privacy** > **Terms & Privacy**. Try Now
- If you want to stop using Smart Hub, you can cancel the agreement. To cancel the Smart Hub service agreement, select **Reset Smart Hub** (> left directional button > **Settings** > **Support** > **Device Care** > **Reset Smart Hub**). Try Now
- This function may not be supported depending on the model or geographical area.

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 > Reset Smart Hub Try Now

You can reset the Smart Hub settings. To reset Smart Hub, enter the PIN. 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.

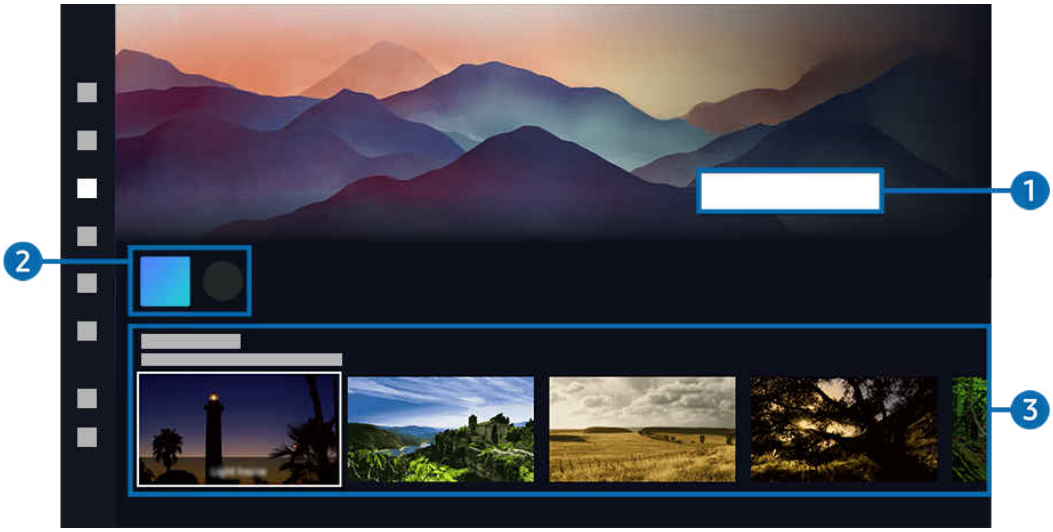
Using Ambient Mode

Learn about the functions available in Ambient mode.

> left directional button > Ambient Try Now

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

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



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

1 Getting to Know Ambient Mode

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

2 App List

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

- Supported apps may vary, depending on the region.
- This function may not be supported depending on the model.

3 Function and content preview

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

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

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

- Changing art work

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

- View Details

  View detailed information about the selected image.

- Favorite

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

  – ♡ Favorite: The item is not set as favorite

  – ♥ Favorite: The item is set as favorite

- Edit

  Customize 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.

  – Color

    Changes the color of the content.

  – Color & Theme

    Changes the color or theme of the content.

  – Vibes

    Selects a mood that matches the content.

  – Backgrounds

    Changes the background of the content.

  – Shadow Effects

    Applies a shadow effect that you select to the content.

  – Filter

    You can select an image filter effect to content.

  – BGM Mode

    You can add a background music to content.

- Screen Settings

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

  – Color Tone

    Adjusts the colors 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.

- Favorite

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

- Custom Ambient

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

- Special Edition

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

- Cinemagraph

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

- My Album

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

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

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

- Mood

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

- Relaxation

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

- Décor

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

- Info

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

- Artwork

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

- Background Theme

  Allows you to select a background theme provided by Samsung.

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

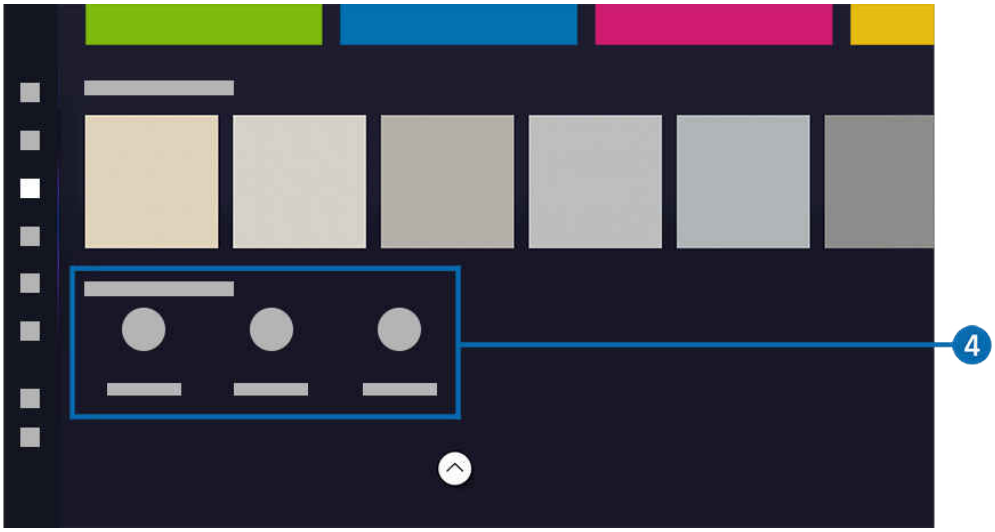
  Provides lighting content options in stylish and beautiful designs.

- 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.

4 Ambient Screen Options

Following Ambient mode options are configurable:

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

Available options may vary depending on the model.

- Sleep After

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

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

- Reset / Reset My Album

  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 either or Home.

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

About the Generative Wallpaper

The Generative Wallpaper feature allows users to create and display images to suit their preferences.

> left directional button > Ambient

It is possible to create custom pictures by displaying them on the Projector screen.

This function may not be supported depending on the model.



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

1. Activating the feature

   Press the Generative Wallpaper banner or button to activate the feature.

2. Selecting a keyword

   Select the desired keyword of interest for the asked question, then related images are displayed.

3. Saving an image

   Select and download a single image of your choice.

   A downloaded image is saved under the initially accessed Generative Wallpaper category. To view saved images, press the button on the remote control to return to Ambient.

   It is possible to download only one of the displayed images.

   The maximum image size that can be saved may differ, depending on the available memory in the device.

Selecting images

Display a specific image by selecting it from among the images saved under the Generative Wallpaper category.

Deleting saved images

Delete images to free up the memory or delete specific images that are no longer needed. To delete, select an image item under the Generative Wallpaper category to display full screen, and then press the select button to display a list of available images. In the image list at the screen bottom, move the focus to the image to delete, and select the up arrow to display the 🗑 icon. To delete the image, select the 🗑 icon.

Deleted images cannot be restored.

About the Samsung Daily+ Home screen

Easily use a wide variety services provided by Samsung Daily+.

> left directional button > Samsung 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.

Provides useful services, such as home training, remote work and commerce, allowing users to conveniently experience different lifestyles.

1 Banner

Provides information related to apps provided by Samsung Daily+.

2 Tab

Separates categories based on the nature of the experience provided, allowing users to quickly navigate to the services they want.

Services supported by this feature may differ, depending on the model and region.

- Featured

  Provides useful services for daily life, such as video calls, commerce and remote work. This allows users to conveniently experience different lifestyles.

  – SmartThings

  It allows the Projector to connect and control the detected various devices in the same space. Conveniently control and monitor devices in your home.

  For more information, refer to "Using SmartThings."

  – Workspace

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

  For more information, refer to "Using Workspace."

- Health

  Provides useful health-related services, such as home training and remote medical treatment.

  – Workout Tracker

  Connect to a nearby Galaxy Watch to view saved exercise data from the Projector screen.

  For more information on **Workout Tracker**, refer to the user guide provided by Samsung Daily+.

  To connect, make sure the Galaxy smartphone and Galaxy Watch are located in the vicinity of the Projector, and Bluetooth is enabled and the same Samsung account is logged in on all the devices.

  This function may not be supported depending on the model.

  This feature may not be supported, depending on the Galaxy device model and the One UI version.

  This feature may not work in some apps or on some service screens.

3 App List

Rearrange, add or delete apps, using the edit function.

4 App Preview

Provides quick access to frequently used features in the app.

Using Samsung Gaming Hub

Gamestream a wide variety of games right on your Projector through Samsung Gaming Hub. Connect your controller through Bluetooth or USB.

> left directional button > Game

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.

1 Recommended

Explore a wide range of games on Samsung Gaming Hub.

2 Accessories and Music

- Controllers

  Select a Controller to connect to the Projector.

  For more information about supported controllers, refer to "Using the Gamepad."

- Audio

  Select an Audio Device (e.g. Gaming Headset) to connect to the Projector.

- Music Player

  Manage the music to play while playing a game.

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

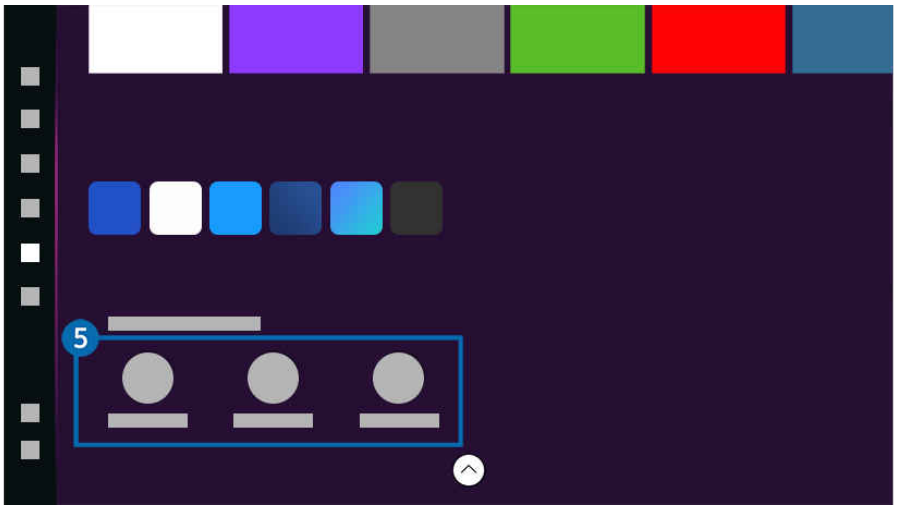
3 Apps and Devices

Install or remove apps or devices that are required to play games.

4 Game list

Purchase games or subscribe to service offered by the Samsung Gaming Hub. Select a game to view the game details.

Installation of related apps is required to run some games.



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

5 Game Activity and Options

This menu is provided at the very bottom of the Samsung Gaming Hub screen. To configure Game Activity and Options, scroll down to the very bottom.

- **Game Rating Lock**

  Set the age limit for playing games.

  The age limit is only supported to cloud game browsing domain in Gaming Hub.

- **Personalization**

  Tailored content is recommended, according to the games recently played by the user and the content the user is interested in.

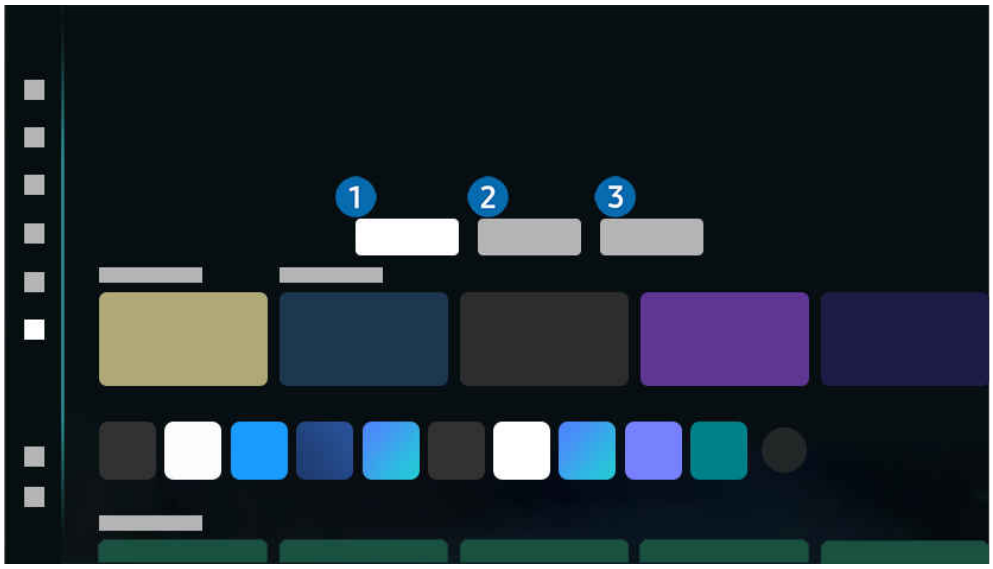
- **Gaming Preference**

  Customize the game content to be displayed depending on the selected gamer type.

Using the Home Function

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

> left directional button > Home



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

1 For You

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

For more information about **For You**, refer to "About the For You Home Screen."

2 Live

Watch TV programs currently on the air. Access the **Guide** screen to check the broadcast schedules and set up scheduled viewing for the programs you want.

For more information about **Live**, refer to "About the Live Home Screen."

3 Apps

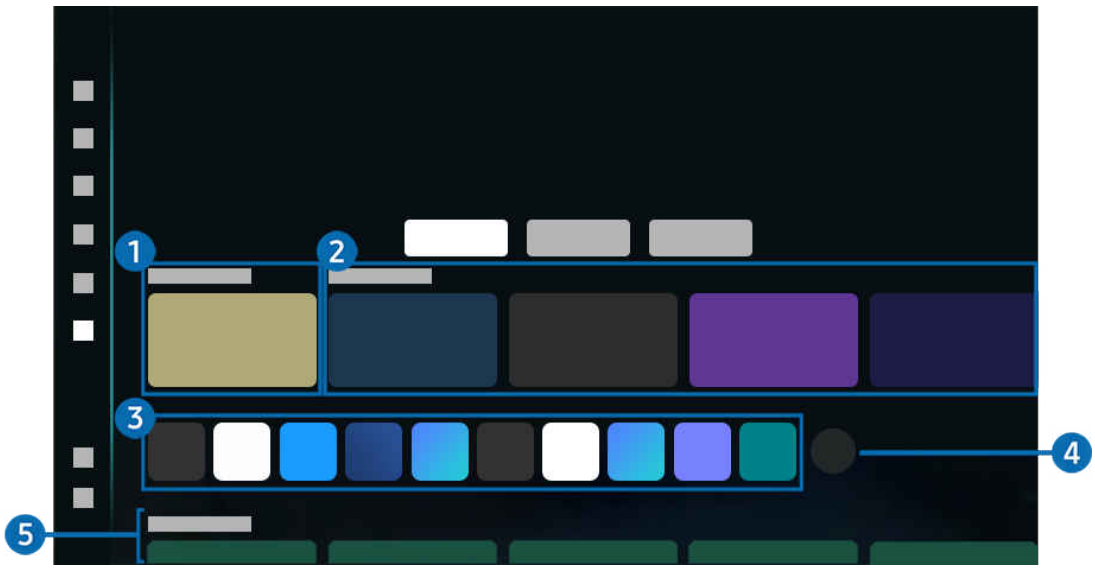
Install a variety of apps offered by Smart Hub, such as video, music, sports and game apps, and use the apps from the Projector.

For more information about **Apps**, refer to "About the Apps Home Screen."

About the For You Home Screen

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

> left directional button > Home > For You



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

1 Now Playing

Access your last watched TV program, app or last used input source.

2 Recommended for You / On Now

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

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

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

- Recommended for You

  Recommends content that are currently popular in many OTT services.

- On Now

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

3 App List

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

4 List Edit

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

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

  Alternatively, move the focus to the app to relocate, press and hold the Select button, and then press the left or right directional button.

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

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

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

  > To add a deleted app back to the list or add a downloaded new app to the Home screen, refer to "Managing installed apps."

5 Universal Guide

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

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

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

Media Options

- This menu can be found at the bottom of the For You home. To configure the option settings, scroll down to the far bottom.
- This function may not be supported depending on the model or geographical area.

- Preferences: Select a preferred service to receive content recommendations to suit your preference.
- Continue Playing: Choose content providers for Continue Playing. You can continue watching different shows in one place from all the Continue Playing-supported content providers listed below.
- Parental Lock: Redirect to the Parental Lock menu. Turn all parental control settings on or off.
- Autoplay Sound: When you browse and preview content, you can set the sound to come out or not automatically.

About the Live Home Screen

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

> left directional button > Home > Live



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

1 On Now

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

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

2 Guide

See the program schedules of different channels on a single screen. Use Guide to view the daily program schedule for each broadcaster. You can also find out detailed information about programs, watch a specific program.

For more information about Guide, refer to "Using the Guide."

3 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.

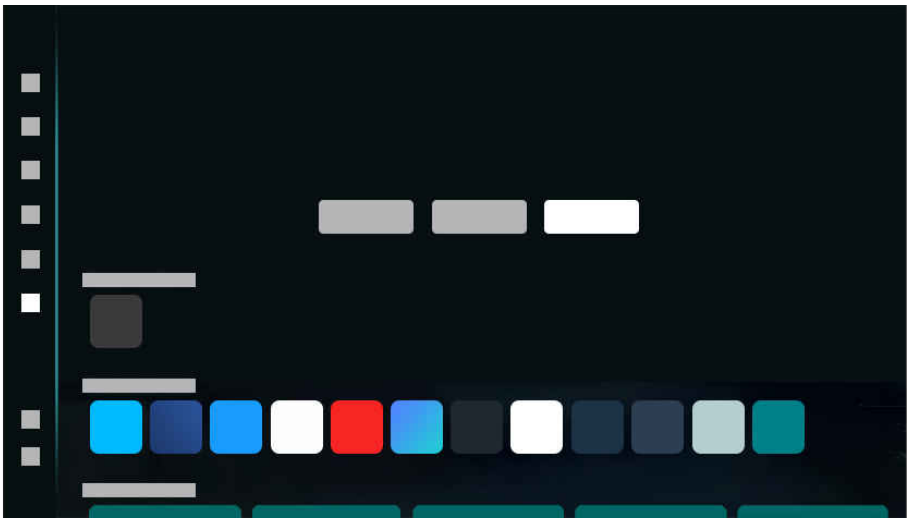
About the Apps Home Screen

Download and run various apps from Smart Hub.

> left directional button > Home > Apps

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

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



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

Installing an app

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

You can view installed apps on the Settings screen.

If the Projector's internal memory is insufficient, you can install some specific apps on a USB device.

You can run an app installed on a USB device only when the USB device is connected to the Projector. If the USB device is disconnected while an app is running, the app is terminated.

You cannot run an app installed on a USB device on a PC or another Projector.

Launching an app

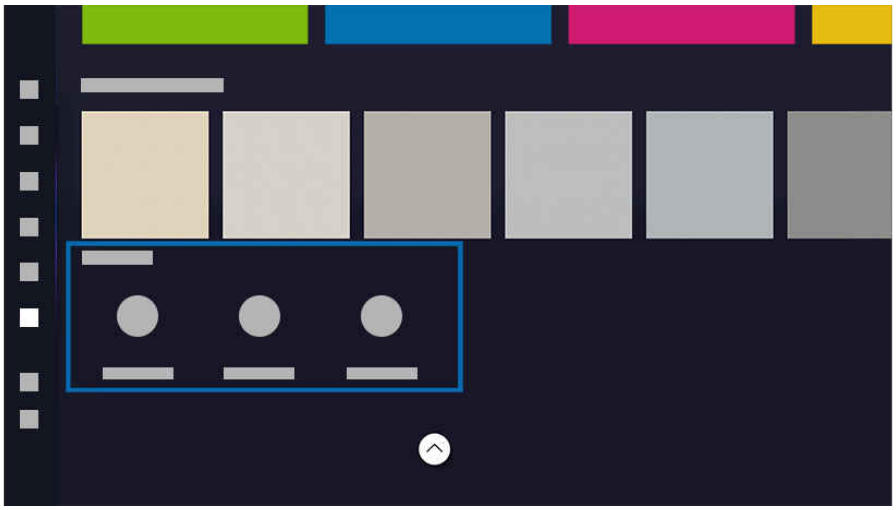
You can run the app desired from Downloaded App.

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

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

About the Apps Settings

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



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

- App Settings

  Manage installed apps.

  For details, refer to the 'Managing installed apps' section.

- Update All

  Simultaneously updates all apps that can be updated.

- Auto Update

  To automatically update the installed apps, set Auto Update to ON.

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

- Copyright

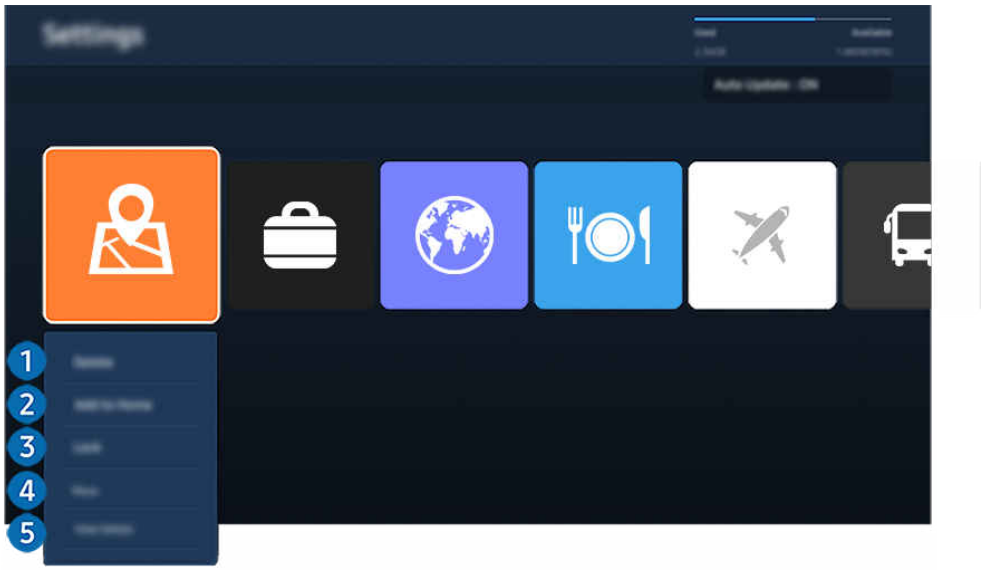
  View the copyright information.

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

Managing installed apps

To manage installed apps, access App Settings.

App Settings can be found at the bottom of the Apps screen. To access App Settings, scroll down to the bottom.



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

1 Adding apps to the Home Screen

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

The selected app is added to the Home Screen.

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

2 Removing an app

1. Select an app to delete.
2. Select Delete.

The selected app is deleted.

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

Standard apps cannot be uninstalled.

3 Locking and unlocking apps

1. Select an app to lock or unlock.
2. Select Lock/Unlock.

The selected app is locked or unlocked.

To lock or unlock an app, enter the PIN. You can set the PIN in > left directional button > Settings > All Settings > General & Privacy > Change PIN. Try Now

4 Reinstalling an app

1. Select the app to install again.
2. Select Reinstall.

Reinstallation starts.

5 Checking the app information details

1. Select the app to check.
2. Select View Details.

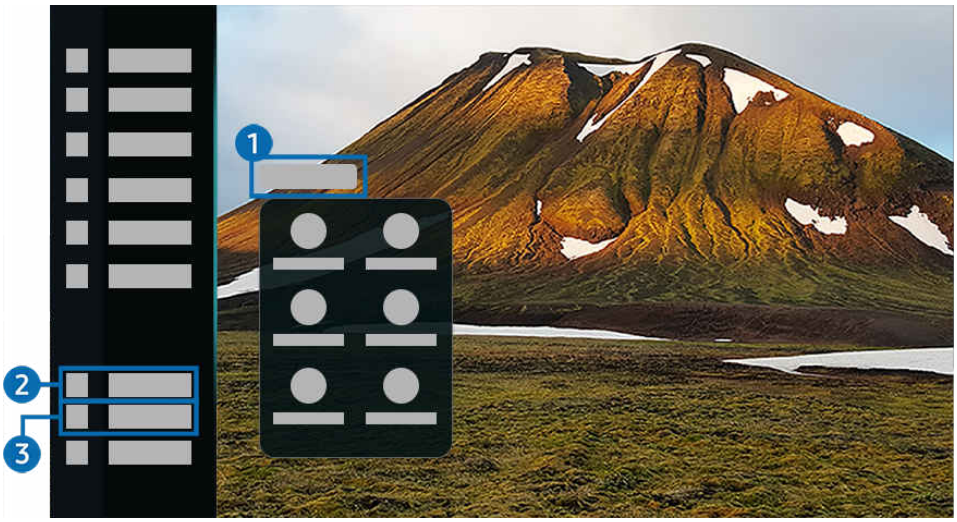
The app information screen appears.

You can rate an app on the View Details screen.

About the Settings Home Screen

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

Home > left directional button > Settings



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

1 Notification

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

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

- Delete All

  You can delete all your notifications.

- Settings

  You can select services you want to be notified about.

  When you select Allow sound, notifications are displayed with a notification sound.

2 Connected Devices

Select an external device that is connected to the Projector.

For more information, refer to "Switching between external devices connected to the Projector."

3 Settings

When you move the focus to Settings, quick setting options appear to the right of the item. 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.

- AI OptiScreen Settings

  Enjoy an AI-optimized, hassle-free viewing experience.

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

- Manual Keystone

  Manually adjust the keystone to correct screen distortion.

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

- Manual Focus

  Manually adjust the focus to match the projection distance.

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

- Keystone

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

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

- Focus

  Adjust the screen focus according to the projection distance.

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

- Auto Picture Off

  Turn off the Projector screen and provide only sound to reduce overall power consumption. When you press a button on the remote control other than Volume and Power while the screen is off, the Projector screen turns back on.

  This function 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 Select button.

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

- Bluetooth

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

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

- Scale and Move Screen

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

- Touch Activation

  Activates the touch function by running touch area recognition.

  Only The Premiere 5 series supports this feature.

  This feature is enabled only when the touch stand is attached or floor projection mode is in use.

- Picture Off

  Turn off the Projector screen and provide only sound to reduce overall power consumption.

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

- Brightness

  Easily configure the screen settings: Brightness, Contrast, Sharpness, Color and Tint (G/R).

- Picture Mode

  Change the picture mode for the optimal viewing experience. Press the Select button to change the Picture Mode.

- Sound Mode

  You can select a sound mode to optimize your listening experience. To change the sound mode, press the Select button.

- Sound Output

  You can select which speakers the Projector uses for audio output. To change the audio output, press the Select button.

- Intelligent Mode

  Improves your viewing experience by recognizing 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, refer to "Using Intelligent Mode."

- 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.

- Game Mode

  You can set the Game Mode to optimize the Projector screen for better gaming performance. To turn Game Mode on or off, press the Select button.

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

  For more information, refer to "Using Game Mode."

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

- Caption

  You can watch Projector broadcasts with captions. To activate or deactivate the Caption function, press the Select button. To run Accessibility Shortcuts, press the down directional button, and then select Accessibility Shortcuts.

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

- Digital Output Audio Format

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

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

- Picture Clarity

  You can optimize pictures that contain a lot of motions. To turn this function on or off, press the Select button.

  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.

- Color Tone

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

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

- Energy Saving Solution

  Reduce power consumption by adjusting brightness settings.

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

- Power and Energy Saving

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

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

- Support

  Displays the Support settings menu.

- Edit

  From the end of the Settings list, select Edit. 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.

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

Using a Samsung account

Create and manage your own Samsung account.

> left directional button > Settings > All Settings > Samsung Account Try Now Try Now

- You can view the entire text of the Terms & Policy in > left directional button > Settings > All Settings > Samsung Account > My Account > About Samsung account > Terms and Conditions after logging in to your Samsung account.
- Follow the instructions on your Projector screen to create or log in to a Samsung account.
- Samsung account can be used on Projector, mobile device, and website with one ID.
- In the U.S.A., only users over 13 can sign in.
- This function may not be supported depending on the model.

Signing in to a Samsung account

> left directional button > Settings > All Settings > Samsung Account

Launch the camera on your mobile phone, and scan the QR code to log in to your Samsung account or create a new account.

An alternative way to log in is to select an email address and manually enter your account, or to select a website and access the website from your computer or mobile phone.

Managing your Samsung account

> left directional button > Settings > All Settings > Samsung Account > My Account

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

- Edit Profile

  You can edit your account information.

  - To protect personal information, enter Edit Profile and then Sign-in Method is set to Select your ID and input password (high security).
  - If you want the Projector to log you into your account automatically whenever you turn on the Projector, click Stay Signed In.
  - When the Projector is used by multiple people, turn off Stay Signed In to protect personal information.

- PIN Setting

  Set or change your PIN.

- **Payment Info**

  You can view or manage your payment information.

- **Subscriptions**

  View subscription-related information.

  This function may not be supported depending on the model.

- **Back up**

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

- **Product Registration**

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

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

- **Security and Privacy**

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

  This function may not be supported depending on the model.

- **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**.

  This function may not be supported depending on the model.

- **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).

  This function may not be supported depending on the model.

- **Sign Out**

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

  To sign out of your **Samsung Account** (> left directional button > **Settings** > **All Settings** > **Samsung Account**), move the focus to your account's icon, and then press the Select button.

  This function may not be supported depending on the model.

Using Workspace

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

> left directional button > Samsung Daily+ > Workspace Try Now

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

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

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

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

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

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

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

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

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

Connection via Mac OS is available in AirPlay.

Using Easy Connection to Screen

> left directional button > Samsung 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

Home > left directional button > Samsung Daily+ > Workspace > Windows PC > Manual Connection Try Now

Home > left directional button > Samsung 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:

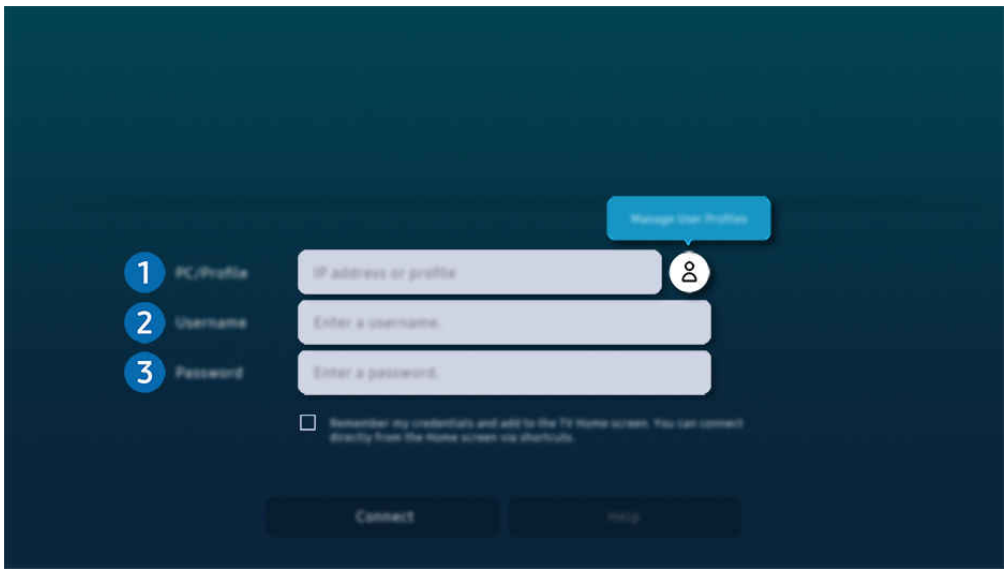
     1) Right-click the **My PC** icon on Desktop or Windows Explorer and then click **Properties**.
     2) Click **Remote Desktop** and select **Activate Remote Desktop**.

   - 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 to connect the computer remotely.

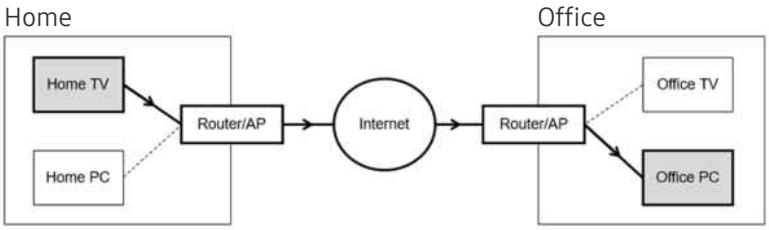


The image on your Projector may differ from the image above depending on the model and geographical area.

1 PC/Profile

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

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



2 Username

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

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

3 Password

Enter the password for the login account.

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

Playing Multimedia Content on a Remote PC

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

For more information, 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.

Controlling your Galaxy device with the keyboard and mouse

Home > left directional button > Samsung Daily+ > Workspace > Multi Control

Control nearby Galaxy devices with the mouse and keyboard connected to the product.

- To connect to nearby devices, turn on Multi Control, Wi-Fi and Bluetooth on the devices, and ensure that the devices are connected to the same wireless network and logged in with the same Samsung account.
- This function may not be supported depending on the model or geographical area.

Using Samsung DeX

Run Samsung DeX on your mobile device to connect the software to the Projector.

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

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

Using Microsoft 365

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

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

Adding the Web Service

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

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

Using Web Service

You can access the web service by selecting the web service icon added to Workspace.

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

  Setting Samsung Pass or Workspace Pass.

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

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

  However, the log in to Workspace Pass may not work depending on the site policy.

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

The web service supports the following keyboard shortcuts:

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

Using TV Access

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

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

> left directional button > Connected Devices > TV Access

- This function may not be supported depending on the model.
- Connect the TV and Projector to the same 5 GHz network.

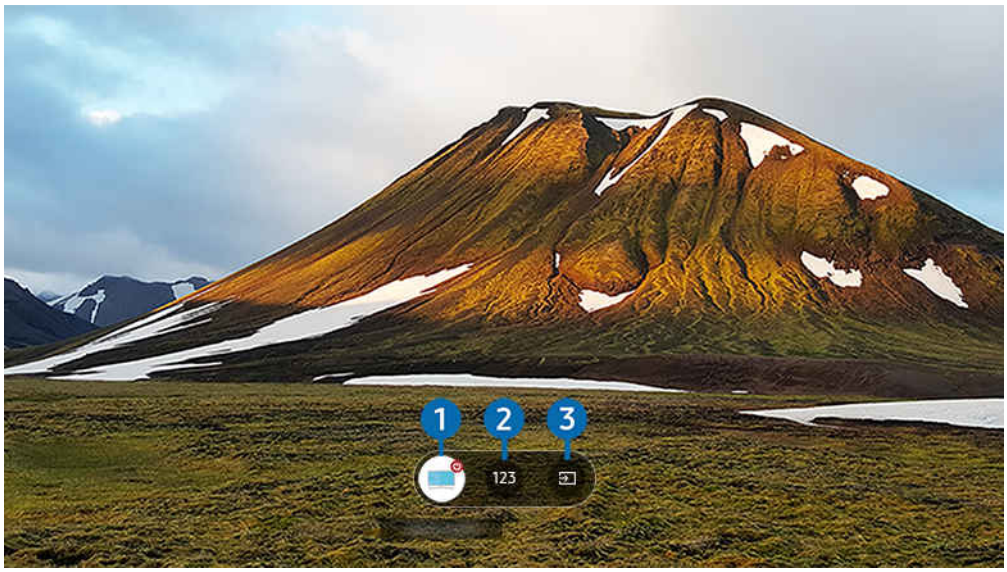
Connecting to a TV

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

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

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

Controlling the connected 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.

1 Power

Turn on or off the connected Projector.

2 Enter Number

Press a channel number to change the connected Projector channel.

Alternatively, use the ∧/∨ (Channel) button on the remote control to change channels.

3 Source

Change the input source connected to the Projector.

Using a larger screen by putting two screens together

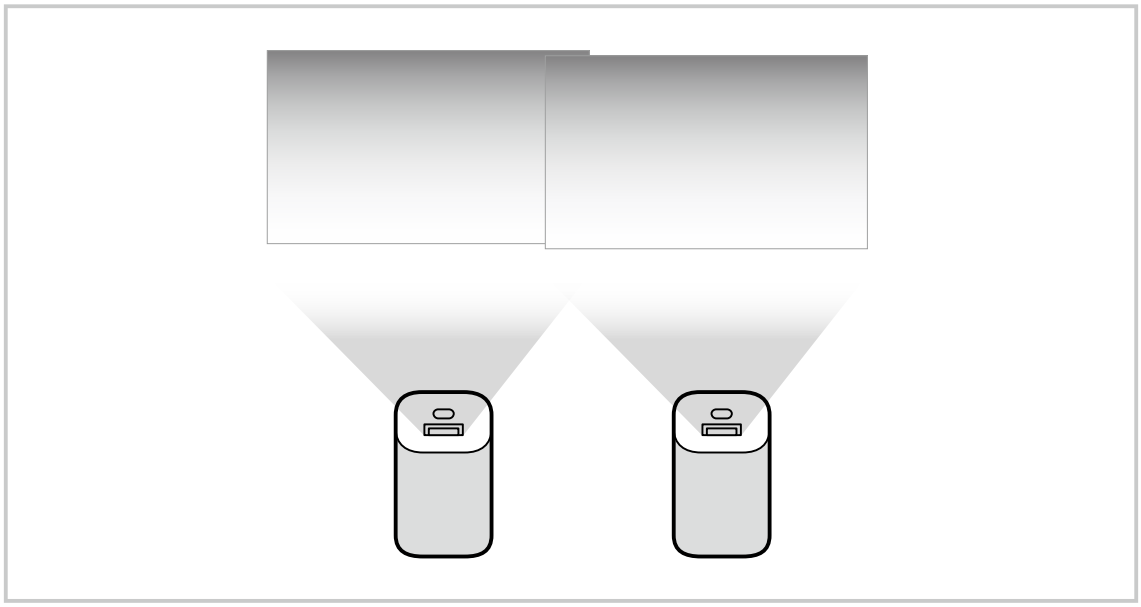
Display content on a larger screen by putting two screens together.

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

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)

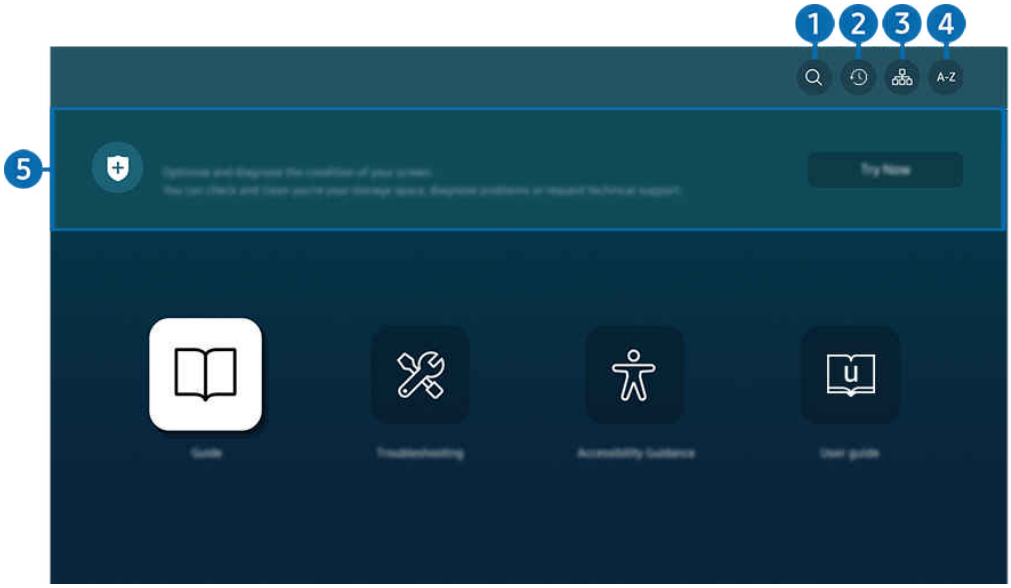
The menu name or position for this feature may vary, depending on the model.

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 (Sitemap)

It displays the lists for each item in User guide.

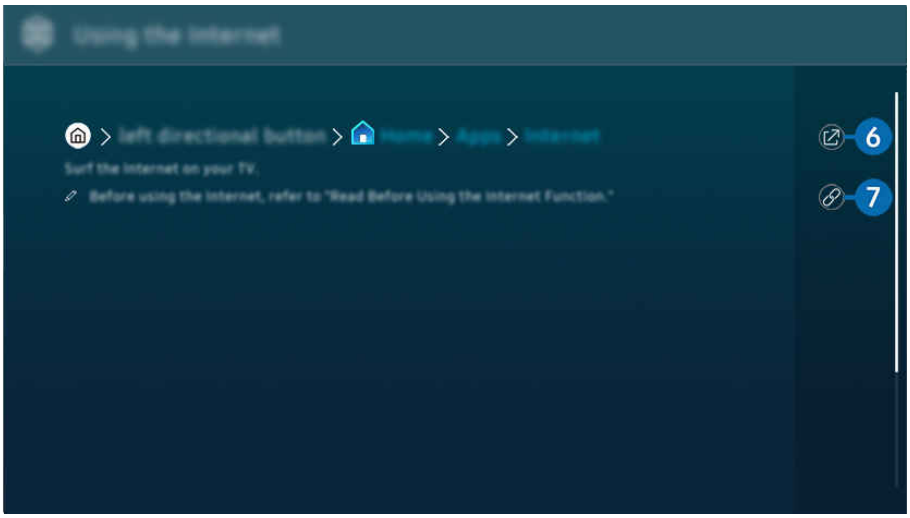
4 A-Z (Index)

Select a keyword to navigate to the relevant page.

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

5 Device Care

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



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

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

6 (Try Now)

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

7 (Link)

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

Using the Internet

Surf the Internet on your Projector.

> left directional button > Home > Apps > Internet

> left directional button > Home > For You > Internet

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

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

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

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

The webpages may differ from those on a PC.

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

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

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

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

Using SmartThings

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

> left directional button > Connected Devices > SmartThings Try Now Try Now

> left directional button > Samsung Daily+ > Featured > SmartThings Try Now Try Now

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

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



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

1 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.

2 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.

3 Favorites

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

4 Devices

View devices connected to SmartThings, and use the remote control to select and control any of the connected devices.

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://partners.smartthings.com/supported-devices. 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.

5 Life

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

Only Life services supported by the Projector are displayed.

6 Routines

View or run scenes created from the Routines tab in the mobile SmartThings app.

7 Add Device

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

8 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.

9 Settings

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

SmartThings Quick access

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

> left directional button > Connected Devices

Use the SmartThings Hub features Try Now

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

> left directional button > Connected Devices > SmartThings > Settings > SmartThings Hub

SmartThings Dongle required to connect Zigbee/Thread.

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

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

Register and manage devices via SmartThings Try Now

Registering peripheral devices on the Projector

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

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

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

2. Select Register to register the device.

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

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

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

   > left directional button > Connected Devices > SmartThings, you can see available options for each device.

   Supportable options may differ depending on the device.

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

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

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

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

Use the screen's sensors via SmartThings Try Now

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

> left directional button > Connected Devices > SmartThings > Settings > Sensors

- Each sensor can be activated with user consent.
- Each sensor may not be supported depending on the model.
- The sound sensor is supported when the microphone switch at the bottom of the Projector is turned on. The Projector microphone may not be supported, depending on the model 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.

Home > 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. Visualizations 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 ᛒ (Bluetooth) device list on your mobile device.
2. Select media content to play on your mobile device.

The selected media is played through the Projector speaker.

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

Buttons and functions available while playing multimedia content

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

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

- Pause, Play

  Pauses or plays the multimedia content.

- Jump Backward, Jump Forward

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

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

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

- Stop

  Stop the contents being played.

- Previous / Next

  Displays the previous or the next multimedia content file.

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

- Rewind / Fast Forward

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

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

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

- 360 Mode

  Provides a 360-degree view for videos and photos.

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

  Video files using the mjpeg codec do not support a 360-degree view.

  When a video or photo does not support a 360-degree view, applying 360 rotation to it may cause the screen to look distorted.

  Videos may be interrupted if 360 rotation is applied during double speed playback.

  Videos that support a 360-degree view may be interrupted if 360 rotation is simultaneously applied with other functions during playback.

  This function may not be supported for some resolutions.

  This function may not be supported depending on the model.

- 360 Auto Rotation

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

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

  – General

  – Dynamic

  – Natural

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

- Repeat

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

- Shuffle

  Plays music files in random order.

- Picture Off

  Plays music files with the screen off.

- Screen Fit

  Fits a photo to the screen.

- Rotate left / Rotate right

  Rotates a photo left or right.

- Zoom

  Zooms in a photo.

- Background Music

  Pauses or resumes the background music while the Projector displays photos.

  This function is available after enabling the Background Music option.

- Options

  The available options may differ with the model and content.

Function	Description
Slideshow Speed	Sets the slideshow speed. If there is only one image file in the USB device, the slide show is not played.
Slideshow Effect	Applies transition effects to the slide show. If there is only one image file in the USB device, the slide show is not played.
Background Music	Plays background music as you set in the pop-up window while the Projector displays photos. The music files must be saved in the same USB device as the photo files. To pause the background music, select Background Music on the playback screen bottom.
Subtitles	You can set the detailed subtitle options, such as the language, sync, size, and color. 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.

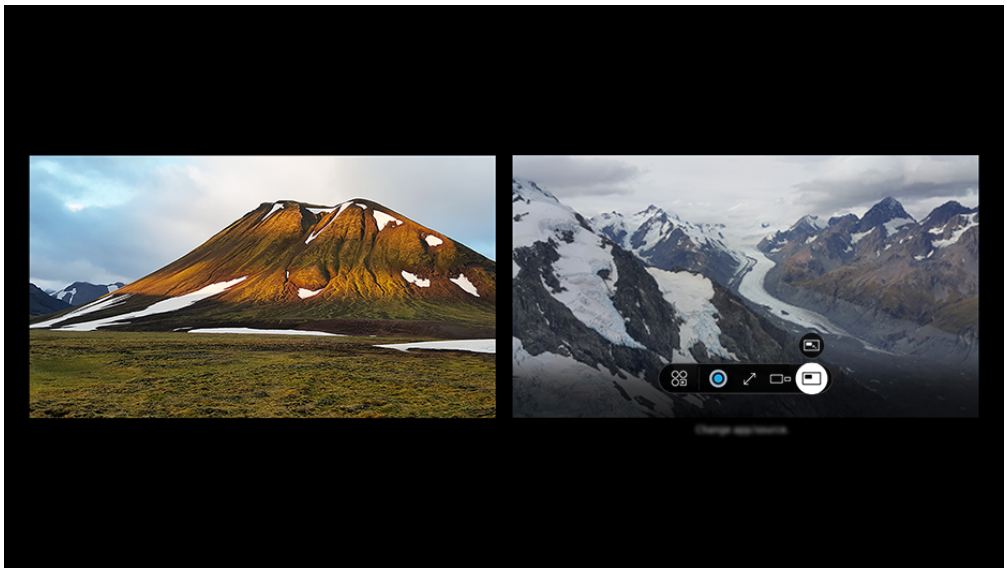
Using Multi View

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.

- App/Source

  You can select from the content list displayed above.

- Content

  You can view the currently displayed app or source.

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

- Maximize

  View the selected screen in full screen mode.

- Return to Multi View

  Reduce the maximized screen to the original size, and return to the Multi View.

- Screen Size

  Selects the desired size of Multi View.

- Screen Position

  Selects a position of the Multi View screen.

- Picture-in-Picture

  Selects the position of a small screen on the full screen. The focusing left or right screen appears as small window.

- Double Audio

  You will hear the sound of both screens at the same time by adjusting the ratio of each screens sound.

- Bluetooth Speaker

  You can hear the sound by connecting the Bluetooth speaker.

- Full Screen

  Multi View is ended and then the full screen appears.

- Delete

  You can delete the selected screen.

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

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

Using Vision AI Companion

Vision AI Companion offered by intelligent chatbot service that comes with Samsung AI.

Whenever you have a question, press the button and ask the question. Ask any questions you might have verbally as if you were speaking to another person, and get content and service recommendations relevant to subject matter. Press the button to explore key AI features.

Press and hold the button to open the Vision AI Companion.

Vision AI Companion is capable of providing a wide range of answers depending on the user environment and questions asked. The services provided depend on execution conditions.

Before use

- To use this service, you must agree to the Terms of Use for Smart Hub and Viewing History Information Services. You cannot use this service if you do not agree to the Terms of Use.
- To use this feature, make sure your Projector is connected to a network.
- You must be logged in to your Samsung account to use this function.

Caution

- Depending on the software version, the button may not open the Vision AI Companion function.
- This service can't be accessed if the age requirements are not met.
- If age restriction for content is enabled on your Projector, you will need to enter a PIN to use this service.
- If you change the service language, access to some services or information may be limited.
- Types of content searched and recommended may vary by content provider.
- This function may not be supported depending on the model or geographical area.
- This service provides AI-generated content. There may be an error, so please check again.
- Provided answers may not include content from some apps.

Using Vision AI Companion While Viewing

When watching Live TV through Samsung TV Plus or a set-top box, press the button to receive related information and content recommendations.

- Broadcast service provider setting or registration is required to use this function.
- Recommendations based on viewed content are provided. Recommendations may vary by service provider.
- Available features may differ depending on the model or geographical area.

Other Uses of Vision AI Companion

When using services other than broadcasts, press the button to explore various AI features. You can access a variety of AI apps or services.

Available features may differ depending on the model or geographical area.

Using the Service Through Bixby

When using the Bixby services through speech recognition, navigate to Enhanced AI Features (> Bixby Settings > Enhanced AI Features) and set it up so that Vision AI Companion provides answers. After making the setting, press the button or say the command "**Hi, Bixby**" to open Bixby and use the Vision AI Companion service.

If Vision AI Companion is unable to answer a question, Bixby can intervene and answer the question.

A registration or purchase may be required to access recommended content.

A wide range of answers is possible depending on the question asked. The types and number of recommended content and service options can vary. When a provided answer is not what you are looking for, you may get a more accurate answer if you ask a more specific question.

Using the Settings Features

On the right side of the Vision AI Companion main service screen, select the settings menu to view the service-setting-related features.

- Spoken Responses

  Sets Vision AI Companion to provide responses in speech.

- User Guide

  Provides a list of the main features of Vision AI Companion along with helpful information.

- Privacy Notice

  Shows the history of user acknowledgment required for using the Vision AI Companion service.

Using Click to Search

Receive recommendations for content that may be related to the currently playing content.

View information on the playing content, and receive recommendations for related content. Obtain information on the performers in the playing content, including other content in which they performed.

- To use this feature, make sure the Projector is connected to a network.
- This feature is supported on Live TV through Samsung TV Plus or a set-top box, and is not supported on other input sources or apps.
- View the cast information of the Projector series or movie you're watching, and the available content may be updated or changed.
- This function may not be supported depending on the model or geographical area.
- The type of recommended information may differ, depending on the content provider.

The following options are available on the Click to Search screen:

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

- Watch Next

  Obtain information on the playing content and related content.

- Who's On

  Obtain information on the performers in the playing content, including other content in which they performed.

Starting the feature with a button on the Samsung smart remote

To start Click to Search while viewing Samsung TV Plus content, press the button on the Samsung smart remote or press and hold the button for more than 1 second.

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

Advanced Features

Use useful features available on your Samsung Projector.

Using Intelligent Mode

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

Home > left directional button > Settings > All Settings > Advanced Features > Intelligent Mode Settings > Intelligent Mode Try Now

In Intelligent Mode, the Projector recognizes and analyzes the surroundings, noise, the content, and your usage patterns to provide the best viewing experience. You can turn the options below on or off. Create your preferred viewing environment.

This function may not be supported depending on the model.

- Adaptive Picture Try Now
  - Vision Booster

    Optimizes brightness and provides the best picture quality in real time, based on the lighting condition and the content you're viewing.
- Adaptive Sound Settings

  With AI based content recognition, scenes, such as sports events and movies, are automatically customized to your preferred picture settings.
  - Active Voice Amplifier / Active Voice Amplifier Pro

    Analyzes 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+ / Adaptive Sound Pro

Provides optimized sound quality by analyzing 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 (e.g., Ambient Mode, Game Mode, 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 Sound

Provides optimized sound quality by analyzing the viewing space and the acoustic components of the content.

- 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 modes or apps (e.g., Ambient mode, Game Mode, and apps that control the Projector sound).
- This function may not be supported depending on the model.

– Adaptive Volume Try Now

Automatically adjusts to a specific volume level while you are watching Projector. The Projector analyzes 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.

Using Voice Assistants

You can change the settings of a Voice Assistant after selecting it.

Select the Voice Assistant

Home > left directional button > Settings > All Settings > Advanced Features > Voice > Voice Assistant Try Now

Select which Voice Assistant you would like to help control your Projector.

- To use this function, the Projector must be connected to the network.
- This function and Voice Recognition Solution Partner may not be supported depending on the model or geographical area.
- Voice Assistant only supports some languages, and the supported functions may differ depending on the geographical area.
- The Voice Wake-up function may not be supported depending on the model, Voice Assistant or geographical area.

- Bixby / Amazon Alexa
  - To use the Voice Assistant, follow the instructions on the Projector screen to enable the selected Voice Assistant.
  - To change the settings for Voice Assistant, run the Settings menu under each Voice Assistant (Home > left directional button > Settings > All Settings > Advanced Features > Voice > Voice Assistant). Try Now
  - To enable the Settings menus for each Voice Assistant, log in each Voice Assistant.
  - For an example of Voice command, see the Settings menus for each Voice Assistant.

Using Bixby

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

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

Starting Bixby with voice

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

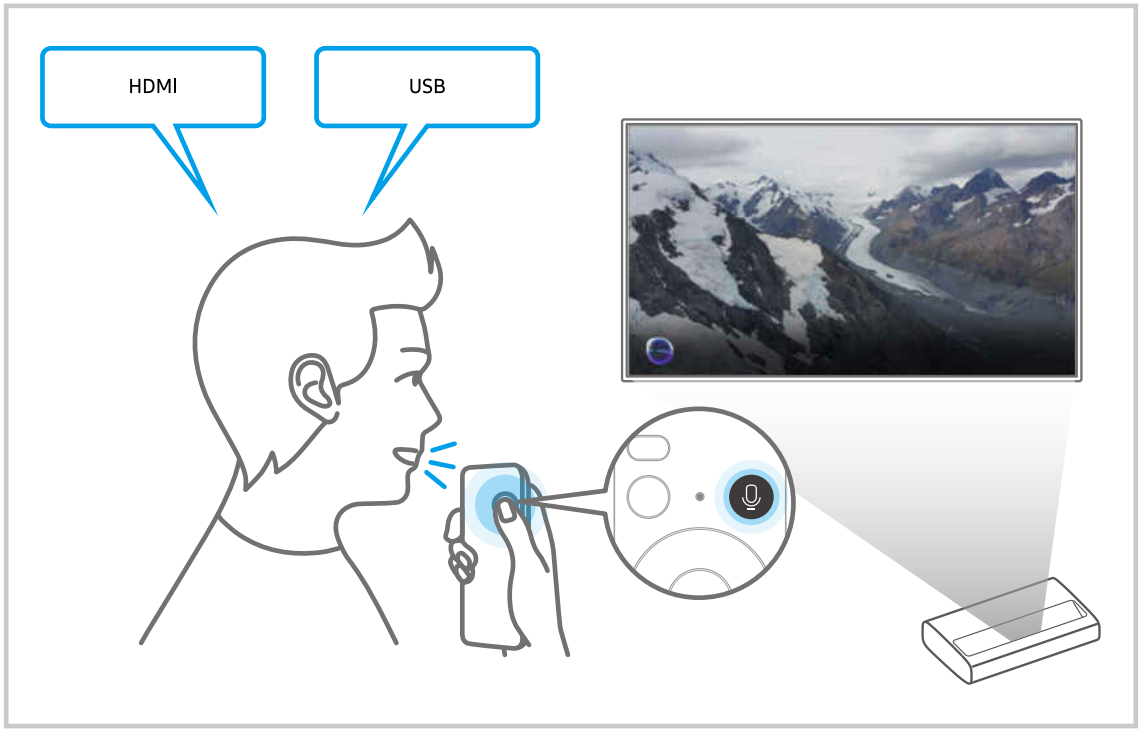
- For best results, you need to be within 10 feet (3-4 m) of your Projector. If Bixby does not answer, refer to "I spoke "Hi, Bixby/Alexa" but Bixby/Alexa does not answer." in "Troubleshooting."
- These functions may not be supported depending on the model or geographical area.

Starting Bixby using buttons on the Samsung Smart Remote

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

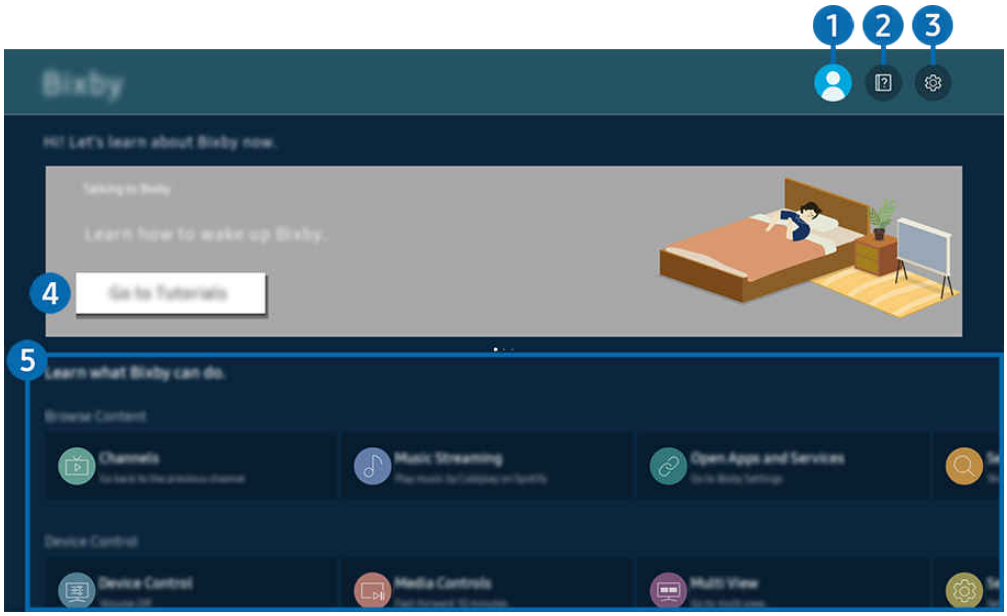
For details on how to use Bixby, press the button once:

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



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 Account

Log out after going to the Samsung Account screen.

If you are signed out of your Samsung account, select Account to sign in.

2 Tutorials

View tutorials related to the Bixby.

3 Settings

You can change the settings for using Bixby.

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

These functions can be set in Bixby Settings (> left directional button > Settings > All Settings > Advanced Features > Voice > Bixby Settings). Try Now

- Voice Wake-up

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

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

  This function can be used only when the microphone switch of the Projector is active. The microphone on Projector is not supported depending on the model or geographical area.

  For best results, you need to be within 10 feet (3-4 m) of your Projector. If Bixby does not answer, refer to "I spoke "Hi, Bixby/Alexa" but Bixby/Alexa does not answer." in "Troubleshooting."

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

- Language and voice style

  You can change Bixby's language and voice style.

  The languages of the Projector and other apps will not change.

  Bixby only supports some languages.

  This function may not be supported in Bixby depending on the language selected.

- Bixby Feedback

  Play a sound when Bixby starts and stops listening.

  This function may not be supported depending on the model.

- Enhanced AI Features

  Connect to Click to Search, and obtain more advanced AI answers and related content recommendations.

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

- Privacy

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

- About Bixby

  Displays the detailed terms and conditions.

4 Recommended commands

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

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

5 All Services

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

Read Before Using Bixby

- The supported voice interaction languages and features may differ depending on the geographical area.
- If the language set differs from the language of your country, some features are not available.
- Bixby is available only when the Projector is connected to the network.
- Even if the Projector is connected to the network, there may be no response due to a Bixby server error.
- The existing functional specifications may be changed if Bixby is updated.
- Bixby is available only on Projectors that support it and come with remote controls that have a microphone.
- Symbols including "-" and special characters are not supported. Consequently, if a word or sentence contains numeric values or symbols, the function may not operate properly.
- Searched results may not provide complete results.
- You may be required to pay for some apps. Consequently, you may encounter a service application or contract.
- To 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 Game Mode

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

Playing games on an optimized screen

Home > left directional button > Settings > All Settings > Advanced Features > Game Mode Settings > Game Mode Try Now

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 (Home > left directional button > Settings > Game Mode).

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

Setting the Game Mode details

> left directional button > Settings > All Settings > Advanced Features > Game Mode Settings Try Now

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

- Virtual Aim Point

  You can see the virtual aim point on the screen.

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

- Minimap Auto Detection

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

- Surround Sound Try Now

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

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

- Dynamic Black Equalizer Try Now

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

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

- Game Motion Plus Settings Try Now

  You can configure the Game Motion Plus settings.

  This function may not be supported depending on the model.

  – Game Motion Plus

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

  – Blur Reduction

    Reduce game screen blur to optimize fast-moving images.

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

– Judder Reduction

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

– LED Clear Motion

Turn on this function to adjust the LED backlight to make dynamic scenes look clearer.

This function may not be supported depending on the model.

– Clear motion

Turn on this function to make dynamic scenes look clearer.

This function may not be supported depending on the model.

- Game Picture Expert

You can adjust the options for specific picture quality features of your game.

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

– HDR10+ GAMING

Basic mode provides the most accurate representation of the game's original creative intent. Advanced mode provides enhanced representation of game content to maximize visual impact.

– 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 or geographical area.

- Game Bar Autorun

Set whether or not to automatically launch the Game Bar, by enabling/disabling game mode or switching between external inputs.

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

Using the Game Bar

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

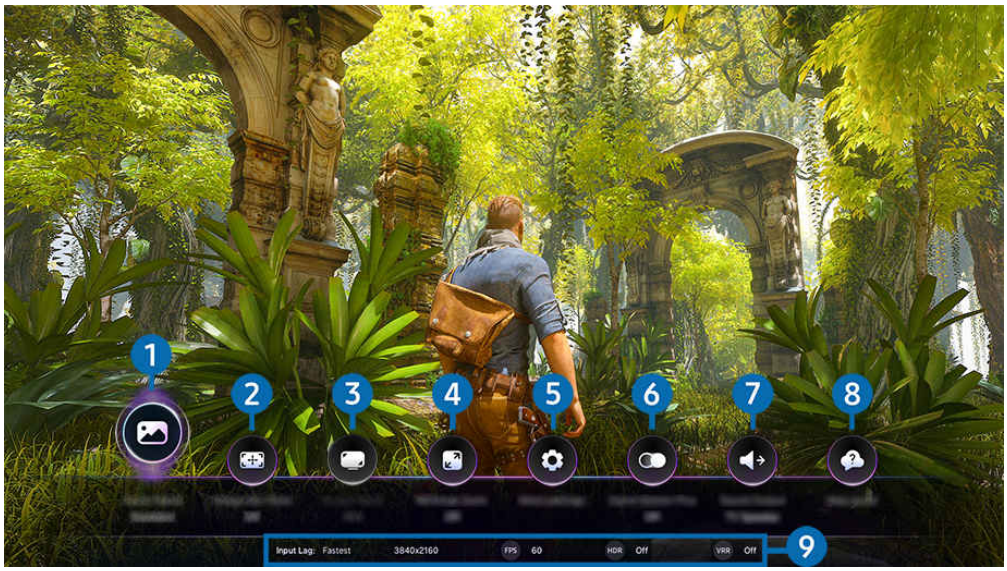
This function may not be supported depending on the model.

Starting the Game Bar

When Game Mode (> left directional button > Settings > All Settings > Advanced Features > Game Mode Settings > Game Mode) is On or Auto, press and hold the button on your Samsung Smart Remote to start the Game Bar. Try Now

To select whether or not to automatically start Game Bar when changing the external input or enabling game mode, enable or disable the Game Bar Autorun feature (> left directional button > Settings > All Settings > Advanced Features > Game Mode Settings > Game Bar Autorun).

Learning about the Game Bar



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

1 Game Genre

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

2 Virtual Aim Point

You can see the virtual aim point on the screen.

3 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.

4 Minimap Zoom

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



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

Game Bar Screen Ratio	Resolution set in PC
16:9	3840 x 2160 (60/*120 Hz)
21:9	2560 x 1080 (60/*120 Hz) 3840 x 1600 (60/*120 Hz)
32:9	3840 x 1080 (60/*120 Hz)

*: The refresh rate may not be supported depending on the model.

5 More settings

Configure specific settings to suit your preferences.

6 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.

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.
- 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) *3840 x 1600 (120 Hz) 2560 x 1080 (60 Hz) 2560 x 1080 (120 Hz)
32:9	3840 x 1080 (60 Hz) 3840 x 1080 (120 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

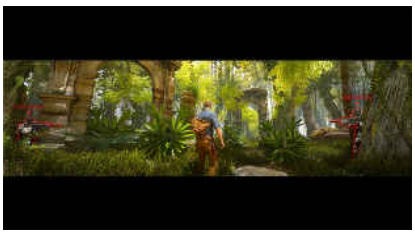
When playing a game at the Super Ultra Wide resolution, you can adjust the game screen position to the height of your eyes.

At the Super Ultra Wide resolution, use the ∧/∨ (channel) buttons to move the screen position to the top, center, 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
		

Configuring Start Screen

Configure settings for the start screen that is displayed when turning on the Projector or using content.

Launching Smart Hub automatically

> left directional button > Settings > All Settings > Advanced Features > Start Screen Option > Start with Smart Hub Home Try Now

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.

Automatic Mirroring from Multi View

> left directional button > Settings > All Settings > Advanced Features > Start Screen Option > 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.

Launching Multi View automatically When rotating

> left directional button > Settings > All Settings > Advanced Features > Start Screen Option > Autorun Multi View When Rotating

Multi View runs automatically when you rotate the screen to portrait mode.

- This function may not be supported depending on the model.
- This function is activated when the Auto Rotating Accessory (sold separately) is connected.

Launching the last used app automatically

> left directional button > Settings > All Settings > Advanced Features > Start Screen Option > Autorun Last App Try Now

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

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

Projector Viewing

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

Using the Guide

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

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

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

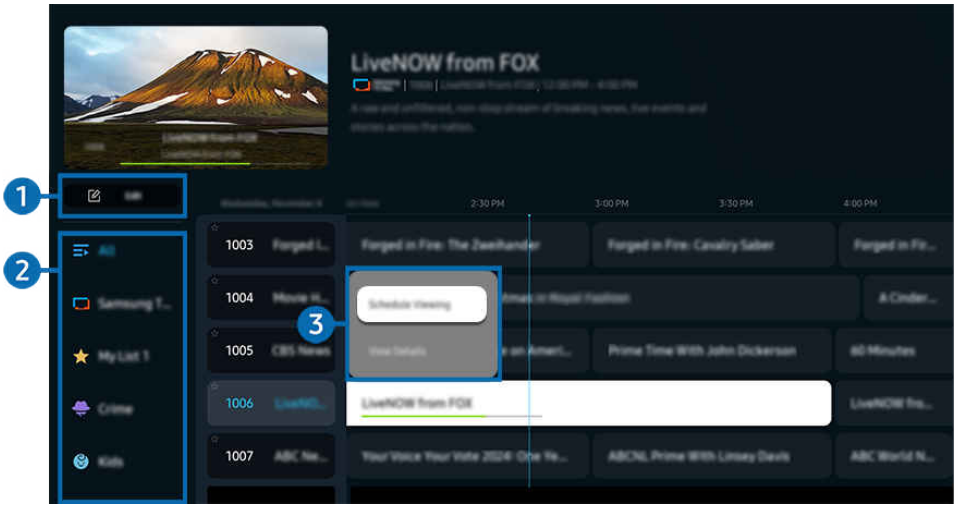
To view Guide, you must first configure Time. Try Now

- > 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.

1 Edit Channels

Edit channels stored on the Projector.

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

2 Channel Filter

View channels and programs classified by type.

❸ Additional options related to broadcast programs

Navigate to the desired program 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 program.

- Cancel Scheduled Viewing

  You can cancel scheduled viewings.

- View Details

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

Using additional features from the Guide

From the Guide, press either the 123 button to use additional features. Use the directional buttons to navigate to the color button item on the numeric keypad.

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

- Channel Filter

  You can view channels and programs categorized 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 program at a specific time and date.

- This function may not be supported depending on the model or geographical area.
- The appears next to programs 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 program 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 program

1. Press the Select button while watching Projector.
2. The Program Info window appears.
3. Select a program 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 program.

Using the viewing schedule management screen

1. On the remote control, 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.

- Schedule Viewing

  Navigate to Schedules and press Schedule Viewing. Add, edit, or cancel a program viewing schedule.

  Up to thirty *Schedule Viewing events may be created.

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

  Ensure that the Projector's Time (> left directional button > Settings > All Settings > General & Privacy > Time) setting is correct.

  – Edit

    You can set the start time of a scheduled viewing. If you choose a program from the Guide, the Start Time can be set to up to 10 minutes before the program.

  – 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 programs on other digital channels.

Use the Channel List screen to change channels or see what programs 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 favorite channel.

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

- Edit Channels

  Edit the channels stored on your Projector.

- All Channels

  Displays all saved channels.

- Samsung TV Plus

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

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

- 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.

- Favorites

  Displays favorite channels from Favorites, My List 1 through My List 4.

  It displays only the Favorites that includes the favorite channel.

Using the channel edit function

Edit the channels stored on your Projector.

Accessing the channel edit screen

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

Using the channel edit functions

The Edit Channels screen icons indicate the following:

- ★: A favorite channel.

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

- Delete / Restore

  Remove or recover a registered channel.

  Once a channel is removed, it will not appear on Channel List. On the Edit Channels screen, the removed channel will appear in grey. A recovered channel will once again be visible on Channel List.

- Save and Exit

  Save the changes made under Edit Channels and exit.

Using a Personal Favorites List

Create frequently watched channels as favorite channels.

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

Creating a Favorites List

1. Access the Edit Channels screen.

   For details on how to access the channel edit screen, refer to "Accessing the channel edit screen."

2. Press the left directional button on the remote control to select the desired Favorites.
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 favorites list.

Select Favorites, My List 1 - My List 4 on the Edit Channels screen and the following functions are available.

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

- Add Channels

  In the channel list, select one or more channels to add in the favorite list and then select Add Channels.

- Remove

  Removes one or more channels from a favorites list.

- Change order

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

- Rename Favorites

  Renames a My list.

  Displayed menu options may vary depending on the model.

- Save and Exit

  Saves and closes the Edit Channels screen.

Projector-Viewing Support Functions

Use the functions that are available while watching Projector.

Using Program Rating Lock

> left directional button > Settings > All Settings > General & Privacy > Parental Settings > Program Rating Lock Settings Try Now

This function is useful for controlling what programs children can watch on the Projector based on their ratings. Program Rating Lock Settings does not, however, block programs originating from external sources, such as Blu-ray players, DVD players, or USB files.

Every time you access Program Rating Lock Settings, you must enter the security PIN. You must also enter this PIN to watch a blocked program. To change the PIN, go to Change PIN.

- > left directional button > Settings > All Settings > General & Privacy > System Manager > Change PIN* Try Now
- > left directional button > Settings > All Settings > General & Privacy > Change PIN*

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

Program Rating Lock Settings may not be supported depending on your input signal.

For more information about how to set your password, refer to "Setting up a password."

For more information about the rating system of different countries, refer to "Blocking programs based on their TV Rating."

Watching blocked / restricted programs

To watch a blocked program, enter the PIN when requested.

When initially showing a restricted program or movie, the screen is blank because the Program Rating Lock Settings blocks it. Enter the PIN to unblock the program when a message appears requesting the code.

Picture and Sound

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

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.
- This function may not be supported depending on the model.
- Displayed menu options may vary depending on the model.

- **Dynamic**

  Makes the picture brighter and clearer in bright viewing environments.

- **Standard**

  Is the default mode suitable for general viewing environments.

- **Movie**

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

- **FILMMAKER MODE**

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

  - This function may not be supported depending on the model or geographical area.
  - FILMMAKER MODE may look darker than other picture modes.
  - You can change FILMMAKER MODE to a different Picture Mode. However, the changed Picture Mode will be maintained even after watching the picture defined by FILMMAKER MODE.
  - FILMMAKER MODE™ logo is a trademark of UHD Alliance, Inc.

Configuring advanced picture settings

> left directional button > Settings > All Settings > Picture > Expert Settings Try Now

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

- Brightness Try Now

  Adjust the overall picture brightness. The closer to 50, the brighter the picture.

- Contrast Try Now

  Adjust the difference between the darkest and brightest areas between objects and their background. The closer to 50, the larger the difference.

- Sharpness Try Now

  Adjust the outline sharpness of objects. The closer to 20, the sharper the object outlines.

- Color Try Now

  Adjust the chroma of a video. The closer to 50, the deeper the colors.

- Tint (G/R) Try Now

  Adjust the color 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

  Optimize 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.

- Picture Size Settings

  Configure the picture size settings.

- **Auto HDR Remastering** Try Now

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

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

- **HDR Tone Mapping** Try Now

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

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

- **Film Mode** Try Now

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

  > This function is only available when the input signal is Projector or HDMI (1080i). The terminals and inputable signals may differ depending on the model.

- **Color Tone** Try Now

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

- **White Balance** Try Now

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

- **Gamma** Try Now

  Adjust the medium brightness of a video.

- **Shadow Detail** Try Now

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

- **Color Space Settings** Try Now

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

- **Peak Brightness**

  Projects the optical maximum brightness.

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

- **Color Booster** Try Now

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

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

- **Smart Calibration** Try Now

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

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

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

  – Galaxy models: Galaxy S, Galaxy Note, Galaxy Fold, and Galaxy Flip series models that were released after January 2019.

  – iPhone models: Models with a Face ID function that were released after January 2019.

  Supported models may differ depending on the situation.

- **Reset Picture** Try Now

  Reset the picture settings to the default values.

Changing the Picture Size and Position

Change the picture size and position 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.

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

- 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, 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.

Setting the Viewing Environment for External Devices

You can optimize the Projector for viewing specific video formats.

Using Input Signal Plus

> left directional button > Settings > All Settings > Connections > 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."

Using HDMI Black Level

> left directional button > Settings > All Settings > Connections > 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 colors 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 personalize 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.

  This function may not be supported depending on the model.

- Equalizer Try Now

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

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

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

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

- HDMI-eARC Mode Try Now

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

  This function may not be supported depending on the model.

- Digital Output Audio Format Try Now

  Select a digital audio output format. If you select Auto, 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**

  When watching Product through the embedded speakers, the virtual surround sound effect of Dolby Atmos can be turned on or off.

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

  > The virtual surround sound effect does not work if the product is installed behind the screen or on the ceiling behind the screen.

- **Auto Volume** Try Now

  Automatically adjusts the sound to a certain level when changing channels or switching to another external input.

- **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.

Using the Sound Support Functions

Configure the sound settings for your Projector.

Selecting speakers

Home > 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 (Home > left directional button > Settings > All Settings > Projector Settings > Projection Mode) is set to Front Ceiling or Rear Ceiling.
  - This function may not be supported depending on the model.

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

Home > left directional button > Settings > All Settings > Sound > Sound Output > Bluetooth Speaker List

(Home > 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 Scan.
- 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 or 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 Bluetooth audio devices and Bluetooth 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 Bluetooth 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.

Using Auto-Connect Bluetooth

Home > left directional button > Settings > All Settings > Connections > Auto-Connect Bluetooth

Automatically connects to the last Bluetooth audio device used.

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

Playing Projector sounds by configuring Q-Symphony Settings

Home > left directional button > Settings > All Settings > Sound > Q-Symphony Setup

Use the Q-Symphony Setup feature to configure wired or wireless symphony settings.

- This function may not be supported depending on the model.
- 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.
- A maximum of three Samsung audio devices can be connected simultaneously, depending on the device model and the mode setting.
- 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 (Home > left directional button > Settings > All Settings > Projector Settings > Projection Mode) is set to Front Ceiling or Rear Ceiling.

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.

- Q-Symphony Mode

  Customize Q-Symphony Mode, depending on the content type and whether or not your speakers support Q-Symphony Mode.

  – Q-Symphony

    Q-Symphony links Samsung audio devices to your Projector speakers to play sounds from the different speakers simultaneously, offering the ultimate surround sound experience.

  – Stereo

    Two Samsung audio devices that support Stereo serve as Stereo speakers.

    - This feature can be configured only when Samsung audio devices of the same model that support Stereo are connected.

- Select Sound Device

  Set different configurations by choosing audio devices according to the Q-Symphony Mode settings.

- Adjust Position

  Change the positions of audio devices configured in Q-Symphony Mode.

  - 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.

  – Auto Set

    The Auto Set feature automatically changes the positions of configured audio devices.

    - This function may not be supported depending on the model or geographical area.
    - Auto Set may not be supported, depending on the models of your Samsung wireless audio devices.
    - This feature may not work, depending on the Projector microphone and sound output settings.
    - The perceived position may not match the actual position, depending on the obstacles and reflective characteristics at the site where the audio device is installed.

      Position recognition may fail, depending on the environment in which the audio devices are installed.

- Adjust Level

  Adjust the volume of audio devices configured in Q-Symphony Mode.

  - Adjust Level may not be supported, depending on the models of your Samsung wireless audio devices.

- The Select Sound Device, Adjust Position and Adjust Level settings are saved separately for each Q-Symphony Mode.
- These functions may not be supported depending on the model or geographical area.

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.

Adjusting the clock for DST and time zone

> left directional button > Settings > All Settings > General & Privacy > System Manager > Time > Clock

(> left directional button > Settings > All Settings > General & Privacy > Time > Clock > Time Zone)

Sets the right time by setting Daylight Savings Time (DST) and your local time zone. Try Now

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

- DST

  Automatically adjusts for Daylight Saving Time (DST).

  This function is only available when the Clock Mode is set to Auto.

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.
- 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 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.

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

Home > left directional button > Settings > All Settings > General & Privacy > Power and Energy Saving Try Now

Reduce energy consumption by changing your power preferences and other energy-saving options.

- Energy Saving Solution Try Now

  Reduce power consumption by adjusting brightness settings.

- Screen Saver Try Now

  Activate a screensaver when your Projector displays a still image for two hours or more.

  This function may not be supported depending on the model.

- Auto Power Saving Try Now

  When the Projector is connected to Wi-Fi, this feature checks Wi-Fi signals and remote control usage data to determine whether the Projector is used. If the Projector is left idle, the feature automatically switches off the screen.

  This function may not be supported depending on the model.

  This feature may not be supported, depending on the Wi-Fi router.

- **Auto Power Off** Try Now

  Automatically turns off the Projector to reduce unnecessary power consumption if the Projector Controller and the remote control are not used for the set period of time.

  In some regions, the **Auto Power Off** function may not be supported when **Samsung TV Plus** is operating.

- **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.

Home > 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.

- Parental Lock Try Now

  Enable or disable all Parental Settings.

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

- Program Rating Lock Settings Try Now

  This function is useful for controlling what programs children can watch on the Projector based on their ratings.

  For more information, refer to "Using Program Rating Lock."

  This function may not be supported depending on the model.

- App Lock Try Now

  Set the installed app to lock or unlock.

Audio and Video Functions for the Visually or Hearing Impaired

You can configure the functions for the visually or hearing impaired.

Running the accessibility functions

Home > 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 Description, Audio Subtitles, Auto Picture Off, Magnification, High Contrast, Zoom Menu and Text, Grayscale, Color Inversion, SeeColors Mode, Learn Remote, Learn Menu Screen, Caption, Sign Language Zoom, Multi-output Audio, Slow Button Repeat, Auto Menu Sort, Accessibility Settings, etc.

- Even if the Voice Guide is set to Off or muted, the voice guide for Accessibility Shortcuts is enabled.
- The shortcut menus may not appear depending on the model or geographical area.
- The menu name may differ depending on the model.

Enabling voice guides for the visually impaired

Home > left directional button > Settings > All Settings > General & Privacy > Accessibility > Voice Guide Settings Try Now

You can activate voice guides that describe the menu options aloud to aid the visually impaired. To activate this function, set Voice Guide to On. With Voice Guide on, the Projector provides voice guides for channel change, volume adjust, information on current and upcoming programs, schedule viewing, other Projector functions, and various content in the Internet, and in Search.

You can go to Voice Guide, and then press the Select button to turn the function on or off.

- The Voice Guide is provided in the language that is specified on the Projector Language. However, some languages are not supported by Voice Guide even though they are listed in the Projector Language. English is always supported.
- For more information about the Projector Language settings, refer to "Changing the menu language."

Changing the volume, speed, pitch, and the Projector background volume of the Voice Guide

You can configure the Volume, Speed, Pitch, and the Projector Background Volume of the voice guide.

Enabling audio for the audio (video) description function

Home > left directional button > Settings > All Settings > General & Privacy > Accessibility > Audio (Video) Description Try Now

You can activate an audio guide that provides an audio description of video scenes for the visually impaired. This function is only available with broadcasts that provide this service.

- The menu name may differ depending on the model.
- This function may not be supported depending on the model or geographical area.

Setting the audio subtitles

Home > 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

Home > left directional button > Settings > All Settings > General & Privacy > Accessibility > Auto 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.

Enlarge the screen

Home > 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 > Grayscale Try Now

You can change the color of the Projector screen to black and white to sharpen blurred edges caused by colors.

If Grayscale is on, some Accessibility menus are not available.

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

Inverting the screen color

> left directional button > Settings > All Settings > General & Privacy > Accessibility > Color Inversion Try Now

You can invert the colors of the text and background for the setting menus displayed on the Projector screen to make it easier to read them.

- If Color Inversion is on, some Accessibility menus are not available.
- This function may not be supported depending on the model or geographical area.

Setting the color correction feature for users with color blindness

> left directional button > Settings > All Settings > General & Privacy > Accessibility > SeeColors Mode Try Now

This feature helps users with color blindness experience richer colors.

Use this feature to customize the colors for your unique viewing conditions, to experience richer colors on the screen.

- When SeeColors Mode is in use, some menus are disabled.
- This function may not be supported depending on the model.

Learning about the remote control (for the visually impaired)

> left directional button > Settings > All Settings > General & Privacy > Accessibility > Learn Remote Try Now

This function helps individuals with a visual impairment to learn the positions of the buttons on the remote control. When this function is activated, you can press a button on the remote control and the Projector will tell you its name. Press the button twice to exit Learn Remote.

Learning about the Projector menu

> left directional button > Settings > All Settings > General & Privacy > Accessibility > Learn Menu Screen Try Now

Learn the menus on the Projector screen. Once enabled, your Projector will tell you the information and features of the menus you select.

Showing captions

> left directional button > Settings > All Settings > General & Privacy > Accessibility > Caption Settings Try Now

Set Caption to On to watch programs with the captions displayed.

Captions are not displayed by programs that do not support captions.

This function has no relationship with the features for controlling subtitles of DVD or Blu-ray players. To control DVD or Blu-ray subtitles, use the subtitle feature of the DVD or Blu-ray player and the player's remote control.

Selecting the caption language

> left directional button > Settings > All Settings > General & Privacy > Accessibility > Caption Settings > Caption Mode Try Now

- Default / CC1 ~ CC4 / Text1 ~ Text4

  Operates in either analog Projector channel mode or when a signal is supplied from an external device to the Projector. (Depending on the broadcast signal, the analog caption function may or may not work with digital channels.)

- Default / Service1 ~ Service6 / CC1 ~ CC4 / Text1 ~ Text4

  Works with digital channels. These functions may not be available in digital caption mode depending on the broadcast.

Setting the digital caption related options

> left directional button > Settings > All Settings > General & Privacy > Accessibility > Caption Settings > Digital Caption Options Try Now

You can change the font color, background color, size settings, and position, etc.

The foreground and background colors and opacity settings cannot be the same.

The Position function is activated only for programs that support broadcast captions.

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 program 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.

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

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, 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 Accessibility Shortcut Settings

> left directional button > Settings > All Settings > General & Privacy > Accessibility > Accessibility Shortcut Settings

Set the accessibility shortcut to activate when the Volume button is pressed and held.

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

Using Time to Take Action

> left directional button > Settings > All Settings > General & Privacy > Accessibility > Time to Take Action

Choose how long messages, like pop-ups, stay on screen before you take action.

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

Using Moving Text and Image

> left directional button > Settings > All Settings > General & Privacy > Accessibility > Moving Text and Image

Some screen effects may be limited, but this can be helpful for those sensitive to screen motion.

This 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 > Language)

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

Changing the Menu Style

> left directional button > Settings > All Settings > General & Privacy > Menu Style

Change the size and transparency of the menu items displayed on the screen.

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

Checking the remote control battery level

> left directional button > Settings > All Settings > General & Privacy > Remote Control

You can check the Samsung smart remote's remaining amount of the battery.

- Remote Grip Sensor

  Alerts users so that they can hold the remote control correctly, if the remote-control grip sensor senses any incorrect orientation of the remote control. When turned off, the alert turns off.

  This function may not be supported depending on the model.

Adjusting the Sound Feedback volume

> left directional button > Settings > All Settings > General & Privacy > Sound Feedback

Adjust the volume of the notification sound when using menu items or selecting options.

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

Setting up a password

Home > left directional button > Settings > All Settings > General & Privacy > System Manager > Change PIN Try Now

(Home > left directional button > Settings > All Settings > General & Privacy > Change PIN)

The PIN input window appears. Enter a PIN. Enter it again to confirm it.

- 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.
- 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 > Return > Volume Down > Return > Volume Up > Return.

Selecting Usage or Retail Mode

Home > left directional button > Settings > All Settings > General & Privacy > System Manager > Usage Mode Try Now

(Home > left directional button > Settings > All Settings > General & Privacy > 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.
- This function may not be supported depending on the model.
- The menu name or position for this feature may vary, depending on the model.

Using the Maintenance Mode

Home > 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.

Managing External Devices

Home > left directional button > Settings > All Settings > Connections > Device Connect Manager Try Now

When you connect external devices, such as mobile devices or tablets connected to the same network as the Projector so you can share content, you can view the list of allowed devices and connected devices.

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.

Controlling your Galaxy device with the keyboard and mouse

Home > left directional button > Settings > All Settings > Connections > Multi Control

Turn on Multi Control to connect nearby Galaxy devices and use them with your keyboard and mouse.

- To connect to nearby devices, turn on Multi Control, Wi-Fi and Bluetooth on the devices, and ensure that the devices are connected to the same wireless network and logged in with the same Samsung account.
- This function may not be supported depending on the model or geographical area.

Using AirPlay

Home > left directional button > Settings > All Settings > Connections > Apple AirPlay Settings

Try Now

(Home > left directional button > Settings > All Settings > Advanced Features > Apple AirPlay Settings)

You can use AirPlay to view content from your iPhone, iPad, or Mac on the Projector screen.

- This function may not be supported depending on the model.
- The menu name or position for this feature may vary, depending on the model.

Restoring the Projector to the factory settings

Home > left directional button > Settings > All Settings > General & Privacy > Factory data reset

Try Now

You can restore all Projector settings to the factory defaults.

1. Select Factory data reset. The security PIN entry window appears.
2. Enter the security PIN, and then select Reset. All settings are then reset. The Projector turns off and on again automatically and displays the Initial Setup screen.

Precautions and Notes

Instructions and information that you must read after installation are available for you.

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 Using the Internet Function

Read this information before using the Internet function.

- File download is not supported.
- The Internet function may not be able to access certain websites, including websites operated by certain companies.
- The Projector does not support playback of flash videos.
- E-commerce for online purchases is not supported.
- ActiveX is not supported.
- Only a limited number of fonts are supported. Certain symbols and characters may not be displayed properly.
- The response to remote commands and the resulting on-screen display may be delayed while a webpage is loading.
- Loading a webpage may be delayed or suspended completely depending on the status of the participating systems.
- Copy and paste operations are not supported.
- When composing an email or a simple message, certain functions such as the font size and color selection may not be available.
- There is a limit to the number of bookmarks and the size of the log file that can be saved.
- The number of windows that can be opened concurrently is limited.
- Web browsing speed will differ with the network environment.
- Browsing history is saved from latest to oldest, with the oldest entries being overwritten first.
- Depending on the types of video/audio codecs supported, you may not be able to play certain HTML5 video and audio files.
- Video sources from PC-optimized streaming service providers may not play properly on our proprietary Internet browser.

Read before setting up a wireless network connection

Precautions for wireless network

- This Projector supports the IEEE 802.11 a /b /g /n communication protocols. In addition to these communication protocols, some models support all or some of the IEEE 802.11 ac /ax protocols. Video files stored on a device connected to the Projector via a Home Network may not play back smoothly.

  Some of the IEEE 802.11 communication protocols may not be supported depending on the model or geographical area.

- To use wireless network, the Projector must be connected to a wireless access point or modem. If the wireless access point supports DHCP, the Projector can use a DHCP or static IP address to connect to the wireless network.
- Select a channel that is not currently being used by the wireless access point. If the channel set is currently being used by the wireless access point to communicate with another device, the result is usually interference or a communications failure.
- Most wireless networks have an optional security system. To enable a wireless network's security system, you need to create a password using characters and numbers. This password is then needed to connect to a security-enabled access point.

Wireless security protocols

The Projector only supports the following wireless network security protocols. The Projector cannot connect to non-certified wireless access point.

- Authentication Modes: WEP, WPAPSK, WPA2PSK
- Encryption Types: WEP, TKIP, AES

In compliance with the Wi-Fi certification specifications, Samsung Projectors do not support WEP or TKIP security encryption in networks running in the 802.11n mode. If the wireless access point supports WPS (Wi-Fi Protected Setup), you can connect the Projector to your network using PBC (Push Button Configuration) or a PIN (Personal Identification Number). WPS automatically configures the SSID and WPA key settings.

Read Before Playing Photo, Video, or Music Files

Read this information before playing media content.

Limitations to the use of photo, video, and music files Try Now

- The Projector supports Mass Storage Class (MSC) 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 recognized or files contained in the device cannot be read. Do not disconnect USB devices while they are transferring files.
- When connecting an external hard drive, use the USB (HDD 5V 1A) port. We recommend that you use an external hard drive with its own power adapter.

  On models without the HDD 5V 1A marking, connect the drive to one of the USB (5V 1.0A/0.5A) ports.

  Some models do not support the HDD 5V 1A USB port. On such models that have 5V 1.0A and 5V 0.5A USB ports, connect the drive to one of those ports.
- Certain digital cameras and audio devices may not be compatible with the Projector.
- If there are multiple USB devices connected to the Projector, the Projector might not be able to recognize 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.
- Models released in 2026 do not support WMA, WMV or VC1.

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. Depending on the model, this may not be 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 (2026 The Freestyle+)

<table>
<tr><th>File format</th><th>Container</th><th>Video codecs</th><th>Resolution</th><th>Frame rate (fps)</th><th>Bitrate (Mbps)</th><th>Audio codecs</th></tr>
<tr><td rowspan="2">*.avi
*.mkv</td><td rowspan="15">AVI
MKV
ASF
MP4
3GP
MOV
FLV
VRO
VOB
PS
TS</td><td>H.264 BP/MP/HP</td><td rowspan="2">4096 x 2160</td><td rowspan="2">4096 x 2160: 60
1920 x 1080: 120</td><td>60</td><td rowspan="15">AC3
LPCM
ADPCM(IMA, MS)
AAC
HE-AAC
Dolby Digital+
MPEG(MP3)
MPEG-H
AC-4
OPUS
G.711(A-Law, µ-Law)</td></tr>
<tr><td>HEVC (H.265 - Main, Main10)</td><td>80</td></tr>
<tr><td>*.asf</td><td>Motion JPEG</td><td>3840 x 2160</td><td>30</td><td>80</td></tr>
<tr><td>*.mp4
*.mov
*.3gp
*.vro
*.mpg
*.mpeg
*.ts
*.tp
*.trp
*.flv
*.vob
*.svi
*.m2ts
*.mts</td><td>MPEG4 SP/ASP</td><td rowspan="6">1920 x 1080</td><td rowspan="2">60</td><td rowspan="6">20</td></tr>
<tr><td>MPEG2</td></tr>
<tr><td>MPEG1</td></tr>
<tr><td>Microsoft MPEG-4 v1, v2, v3</td><td rowspan="3">30</td></tr>
<tr><td>H.263 Sorenson</td></tr>
<tr><td>VP6</td></tr>
<tr><td>AV1</td><td>3840 x 2160</td><td>3840 x 2160: 60
1920 x 1080: 120</td><td>40</td></tr>
<tr><td rowspan="3">*.webm</td><td rowspan="3">WebM</td><td>VP8</td><td>1920 x 1080</td><td>60</td><td>20</td><td rowspan="3">Vorbis</td></tr>
<tr><td>VP9 (Profile 0, profile 2 supported)</td><td rowspan="2">3840 x 2160</td><td rowspan="2">3840 x 2160: 60
1920 x 1080: 120</td><td>80</td></tr>
<tr><td>AV1</td><td>40</td></tr>
</table>

Other restrictions

- Codecs may not function properly if there is a problem with the content.
- Video content does not play or does not play correctly if there is an error in the content or container.
- Sound or video may not work if they have standard bit rates/frame rates above the Projector's compatibility ratings.
- If the Index Table is has an error, the Seek (Jump) function will not work.
- When playing video over a network connection, the video may not play smoothly because of data transmission speeds.
- Some USB/digital camera devices may not be compatible with the Projector.
- HEVC codec is only available in MKV / MP4 / TS containers.
- The video played on the panel may have a different frame rate than the actual footage.

Video decoders

- H.264 UHD is supported up to Level 5.1.
  - Resolution is changed during video playback (Up to 3840 x 2160 is supported)
- H.264 FHD is supported up to Level 4.2.
  - Projector does not support FMO / ASO / RS.
- HEVC UHD is supported up to Level 5.1.
  - Resolution is changed during video playback (Up to 3840 x 2160 is supported)
- HEVC FHD is supported up to Level 4.1.
- GMC 2 or above is not supported.

Audio decoders

- 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.
- Supported sample rates are as follows (varies depending on the codec):
  - 8, 11.025, 12, 16, 22.05, 24, 32, 44.1 and 48KHz

Supported video codecs (2024 The Premiere Series)

<table>
<tr><th>File format</th><th>Container</th><th>Video codecs</th><th>Resolution</th><th>Frame rate (fps)</th><th>Bitrate (Mbps)</th><th>Audio codecs</th></tr>
<tr><td rowspan="15">*.avi
*.mkv
*.asf
*.wmv
*.mp4
*.mov
*.3gp
*.vro
*.mpg
*.mpeg
*.ts
*.tp
*.trp
*.flv
*.vob
*.svi
*.m2ts
*.mts</td><td rowspan="15">AVI
MKV
ASF
MP4
3GP
MOV
FLV
VRO
VOB
PS
TS</td><td>H.264 BP/MP/HP</td><td rowspan="2">3840 x 2160</td><td>3840 x 2160: 30
1920 x 1080: 60</td><td>50</td><td rowspan="15">AC3
LPCM
ADPCM(IMA, MS)
AAC
HE-AAC
WMA
Dolby Digital+
MPEG(MP3)
AC-4
G.711(A-Law, µ-Law)
OPUS</td></tr>
<tr><td>HEVC (H.265 - Main, Main10)</td><td>60</td><td>50</td></tr>
<tr><td>Motion JPEG</td><td rowspan="8">1920 x 1080</td><td rowspan="4">60</td><td rowspan="8">20</td></tr>
<tr><td>MPEG4 SP/ASP</td></tr>
<tr><td>Window Media Video v9 (VC1)</td></tr>
<tr><td>MPEG2</td></tr>
<tr><td>MPEG1</td><td rowspan="4">30</td></tr>
<tr><td>Microsoft MPEG-4 v1, v2, v3</td></tr>
<tr><td>Window Media Video v7 (WMV1), v8 (WMV2)</td></tr>
<tr><td>H.263 Sorenson</td></tr>
<tr><td>VP6</td></tr>
<tr><td>AV1</td><td>3840 x 2160</td><td>60</td><td>40</td></tr>
<tr><td rowspan="3">*.webm</td><td rowspan="3">WebM</td><td>VP8</td><td>1920 x 1080</td><td>60</td><td>20</td><td rowspan="3">Vorbis</td></tr>
<tr><td>VP9 (Profile 0, profile 2 supported)</td><td>3840 x 2160</td><td>60</td><td>50</td></tr>
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</table>

Other restrictions

- Codecs may not function properly if there is a problem with the content.
- Video content does not play or does not play correctly if there is an error in the content or container.
- Sound or video may not work if they have standard bit rates/frame rates above the Projector's compatibility ratings.
- If the Index Table is has an error, the Seek (Jump) function will not work.
- When playing video over a network connection, the video may not play smoothly because of data transmission speeds.
- Some USB/digital camera devices may not be compatible with the Projector.
- HEVC codec is only available in MKV / MP4 / TS containers.

Video decoders

- H.264 FHD is supported up to Level 4.2. (Projector does not support FMO / ASO / RS)
- H.264 UHD is supported up to Level 5.1. (Projector does not support FMO / ASO / RS)
- HEVC FHD is supported up to Level 4.1.
- HEVC UHD is supported up to Level 5.1.
- VC1 AP L4 is not supported.
- GMC 2 or above is not supported.

Audio decoders

- WMA is supported up to 10 Pro 5.1 channels, M2 profile.
- WMA1, WMA lossless / Voice are not supported.
- QCELP and AMR NB/WB are not supported.
- Vorbis is supported for up to 5.1 channels.
- Dolby Digital+ is supported for up to 5.1 channels.
- The supported sample rates are 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, and 48 KHz, and differ with the codec.

Supported video codecs (2023 The Freestyle)

<table>
<tr><th>File format</th><th>Container</th><th>Video codecs</th><th>Resolution</th><th>Frame rate (fps)</th><th>Bitrate (Mbps)</th><th>Audio codecs</th></tr>
<tr><td rowspan="15">*.avi
*.mkv
*.asf
*.wmv
*.mp4
*.mov
*.3gp
*.vro
*.mpg
*.mpeg
*.ts
*.tp
*.trp
*.flv
*.vob
*.svi
*.m2ts
*.mts</td><td rowspan="15">AVI
MKV
ASF
MP4
3GP
MOV
FLV
VRO
VOB
PS
TS</td><td>H.264 BP/MP/HP</td><td rowspan="18">1920 x 1080</td><td>60</td><td>50</td><td rowspan="15">AC3
LPCM
ADPCM(IMA, MS)
AAC
HE-AAC
WMA
Dolby Digital+
MPEG(MP3)
AC-4
OPUS
G.711(A-Law, µ-Law)</td></tr>
<tr><td>HEVC (H.265 - Main, Main10)</td><td>60</td><td>50</td></tr>
<tr><td>Motion JPEG</td><td rowspan="7">60</td><td rowspan="8">20</td></tr>
<tr><td>MPEG4 SP/ASP</td></tr>
<tr><td>Window Media Video v9 (VC1)</td></tr>
<tr><td>MPEG2</td></tr>
<tr><td>MPEG1</td></tr>
<tr><td>Microsoft MPEG-4 v1, v2, v3</td><td rowspan="4">30</td></tr>
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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)	Color 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)	Color 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	+ / +

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.

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

Blocking programs based on their TV Rating

Read this information before viewing a blocking program.

To block content in TV Rating, select a rating category to lock. All programs at that level and higher are blocked and require the PIN to watch. To unblock a category, select the lock icon. To unblock all the categories in a row, select the lock under ALL.

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

Categories on the left:

- TV-Y: Young children.
- TV-Y7: Children 7 and over.
- TV-G: General audience.
- TV-PG: Parental guidance.
- TV-14: Viewers 14 and over.
- TV-MA: Mature audience.

Categories on the top:

- ALL: Lock all TV ratings.
- FV: Fantasy violence.
- V: Violence.
- S: Sexual situations.
- L: Adult language.
- D: Sexually suggestive dialog.

Blocking movies based on their Motion Picture Association of America (MPAA) rating

The Movie Rating (MPAA) system applies to all materials with supplied ratings in the U.S.A.

From the MPAA:

“The Motion Picture Association of America (MPAA) has implemented a rating system that provides parents or guardians with advanced information on which films are appropriate for children.”

Select a lock beside one of the rating categories to block that category and all higher categories. To unblock a category, select the lock icon.

- G: General audience (no restrictions).
- PG: Parental guidance suggested.
- PG-13: Parents strongly cautioned.
- R: Restricted. Children under 17 should be accompanied by an adult.
- NC-17: No children under age 17.
- X: Adults only.
- NR: Not rated.

Blocking programs based on their Canadian English Rating

The Canadian English Rating system applies to all rated material viewed on English-Canadian Projector channels.

Select a lock beside one of the rating categories to block that category and all higher categories. To unblock a category, select the lock icon.

- C: Programming intended for children under age 8.
- C8+: Programming generally considered acceptable for children 8 years and over to watch on their own.
- G: General programming, suitable for all audiences.
- PG: Parental Guidance.
- 14+: Programming containing themes or content that may not be suitable for viewers under the age of 14.
- 18+: Adult programming.

Blocking programs based on their Canadian French Rating

The Canadian French Rating system applies to all rated material viewed on French-Canadian Projector channels.

Select a lock beside one of the rating categories to block that category and all higher categories. To unblock a category, select the lock icon.

- G: General.
- 8 ans+: Programming acceptable for children 8 years and over to watch on their own.
- 13 ans+: Programming that may not be suitable for children under the age of 13.
- 16 ans+: Programming not suitable for children under the age of 16.
- 18 ans+: Programming restricted to adults.

Blocking Programs based on their Downloadable U.S. Rating

The Downloadable U.S. Rating system only applies to material originating from US DProjector channels.

Parental restriction information is automatically downloaded while you watch DProjector channels. This download may take several seconds. If the information is unavailable from the broadcasting station, the Downloadable U.S. Rating menu is deactivated.

Parental restriction levels differ with the broadcasting station. The default menu name and the Downloadable U.S. Rating name changes depending on the downloaded information.

Even when the on-screen display is set to another language, the Downloadable U.S. Rating menu appears only in English.

Select a lock beside one of the rating categories to block that category and all higher categories. To unblock a category, select the lock icon.

Licenses & Other Information

Check the licenses and other information and trademarks applied in your Projector.

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To find the nearest recycling location, go to our website: www.samsung.com/recycling or call, 1-800-SAMSUNG

For battery recycling go to call2recycle.org or call 1-800-822-8837

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 colors do not look clear

If the screen appears too dim, try changing the settings under Reset Picture or disabling Brightness Optimization, Energy Saving Solution.

- > left directional button > Settings > All Settings > Picture > Expert Settings > Reset Picture Try Now
- > left directional button > Settings > All Settings > General & Privacy > Power and Energy Saving > Energy Saving Solution Try Now

Go to Picture and adjust the Picture Mode, Contrast, Brightness, and Sharpness settings.

- > left directional button > Settings > All Settings > Picture > Picture Mode Try Now
- > left directional button > Settings > All Settings > Picture > Expert Settings > Contrast Try Now
- > left directional button > Settings > All Settings > Picture > Expert Settings > Brightness Try Now
- > left directional button > Settings > All Settings > Picture > Expert Settings > Sharpness Try Now
- > left directional button > Settings > All Settings > Picture > Expert Settings > Color Try Now
- > left directional button > Settings > All Settings > Picture > Expert Settings > Tint (G/R) Try Now

The picture colors are black and white or do not look the way they should look

If the product's colors 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 Grayscale is set to On.

- > left directional button > Settings > All Settings > General & Privacy > Accessibility > Grayscale 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 > 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

When using a broadcast receiver such as set-top box and IPProjector, check the connection to the Projector.

- > left directional button > Connected Devices > Connection Guide Try Now

When the symptom persists, contact your service provider.

The Projector image does not look as good as it did in the store

Store displays are tuned to a digital UHD channel or HD channel.

Change the output resolution of your devices, such as digital broadcast receiver, IPProjector, and set-top box to UHD or HD.

Be sure to use an HDMI cable to enjoy high quality videos.

- > left directional button > Connected Devices > Connection Guide > Video Device > HDMI

To connect the Projector with your PC, make sure that your PC's graphic card supports UHD resolutions.

For more information about the supported UHD resolutions, refer to "Supported Resolutions for UHD Input Signals."

Make sure that the set-top box or cable box supports the content or broadcast for UHD and set the resolution. For more information, contact your service provider.

When using a Samsung TV Plus channel, check the network connection. When the network speed is slow, the app may not work or the image quality may be poor.

Displayed video looks blurry

If you notice blurring or juddering on the screen, use the Picture Clarity Settings function to resolve the issue.

- > left directional button > Settings > All Settings > Picture > Expert Settings > Picture Clarity Settings Try Now

The picture is distorted

The compression of video content may cause picture distortions, especially in fast moving pictures from sports programs 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 3.2 ft) may cause noise on analog 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)

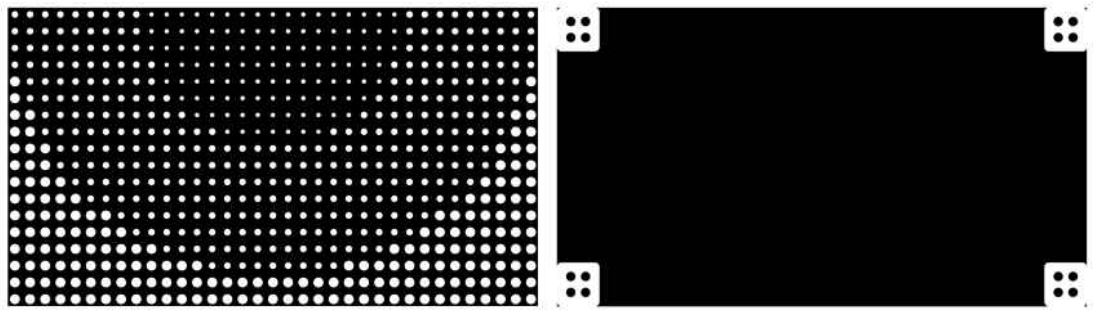
Change the output resolution of your external device.

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, Use of the touch function in an indoor location exposed to strong natural light 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 > Expert Settings > Picture Size Settings > Picture Size Try Now

The Caption function in the Projector menu is deactivated

When an external device is connected with an HDMI or Component cable, the Caption function is unavailable. Adjust the caption setting on the external device.

Captions appear on the Projector screen

Turn off the Caption function in Caption Settings.

- > left directional button > Settings > All Settings > General & Privacy > Accessibility > Caption Settings > Caption 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 > Connections > 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.

This function may not be supported 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, such as HDMI, Optical, Bluetooth, and Wi-Fi may differ depending on the audio device.

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 minimize interruptions, we recommend a wireless access point that uses a 5 GHz frequency. 5 GHz may not be available depending on the model.

When the symptom persists, it is recommended to use wired connection such as HDMI (eARC/ARC) and Optical.

Whenever a function is used on the Projector or the channel is changed, the Projector voices the activity. The Projector explains in voice-over the video scenes displayed on the screen.

Turn off the Voice Guide function in Voice Guide Settings.

- > left directional button > Settings > All Settings > General & Privacy > Accessibility > Voice Guide Settings > Voice Guide Try Now

The Projector audio is not being played through the Soundbar or A/V receiver.

Check the Soundbar or A/V receiver's power supply and its settings.

- When connecting the optical cable between the Projector and Soundbar or A/V receiver, make sure that the sound output is set Receiver (Optical) on your Projector.
- In case of HDMI eARC connection, make sure that it is connected to the eARC dedicated HDMI port on your Projector. However, the eARC can be used only when the Soundbar or A/V receiver supports the eARC feature.

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

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 optimize the sound depending on the surroundings, select Adaptive Sound Pro.

- > left directional button > Settings > All Settings > General & Privacy > Intelligent Mode Settings > Adaptive Sound Pro Try Now

  (> left directional button > Settings > All Settings > Advanced Features > Intelligent Mode Settings > Adaptive Sound 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 theater 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 > Connections > 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 recognized, 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 > Connections > 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 a LAN cable.

If the Projector is able to connect to the internet normally via the cable connection, there might be a problem with the wireless router. In this case, try using a different wireless router.

Wired networks are not supported by some models.

Wired network connection failed.

Check if the LAN cable is plugged in on both ends. If it is plugged in, check if the access point is turned on. If it is on, turn it off, wait 1 or 2 minutes, and then turn it on.

Wired networks are not supported by some models.

Connected to a local network, but not to the Internet.

Connected to a local network, but not to the Internet.

Wired networks are not supported by some models.

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 > Connections > Network > Network Status > IP Settings)

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 > Connections > 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 > Connections > 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 > Connections > 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.

To reset a previously connected remote control, press and hold the and buttons simultaneously for more than 3 seconds. The remote control connection is reset.

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.
  - You can check remaining battery of Samsung Smart Remote with solar cell in > left directional button > Settings > All Settings > General & Privacy > Remote Control.

    This function may not be supported depending on the model.
- 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 functions, you should connect to a network, agree to the terms and conditions, and log in with your Samsung account. If these settings were not configured during the initial setting process, you can configure Smart Hub settings by running Apps from the Home Screen.

- > left directional button > Home > Apps

If Smart Hub settings are complete but the app you want cannot be found on the Home Screen, you can find the app from Search or Apps. To add frequently used apps to the Home Screen, run the Add to Home feature from Apps.

- > left directional button > Home > Apps > App Settings > List of installed apps > Add to Home

I launched an app, but it's in a different language. How can I change the language?

Languages supported by an app may be different from the Projector Language set in the menu.

The ability to change the language depends on the app's provider. Change the language from the settings menu in the app.

The app does not work properly. Its image quality is poor.

Check the network connection. When the network speed is slow, the app may not work or its image quality may be poor.

Uninstall and reinstall the app. For more information about app uninstallation, refer to "Managing installed apps."

The services of your application are not provided by the Projector but by the application service provider.

Refer to the Help section on the application service provider's website.

The Smart Hub Home Screen keeps appearing whenever you turn on the Projector.

Turn off the Start with Smart Hub Home function in Start Screen Option.

- > left directional button > Settings > All Settings > General & Privacy > Start Screen Option > Autorun Smart Hub Try Now

  (> left directional button > Settings > All Settings > Advanced Features > Start Screen Option > 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, refer to "Read Before Playing Photo, Video, or Music Files."

Voice Assistant Issues

When the Voice Assistant isn't working, these steps may help resolve the problem.

The microphone is off.

Turn on the microphone switch of the Projector. Each time the switch is turned on or off, the screen displays a pop-up window showing whether the microphone is turned on or off.

- If the microphone is turned off, all voice recognition features and some sound features involving the microphone do not work.
- The position and appearance of the microphone switch may differ depending on the model.
- This function may not be supported depending on the model or geographical area.

The voice commands do not work well.

Voice commands may differ depending on the Voice Assistant. Refer to the command examples for each Voice Assistant.

- Bixby: > Discover Bixby
- Amazon Alexa: > left directional button > Settings > All Settings > General & Privacy > Voice > Amazon Alexa Settings Try Now

  (> left directional button > Settings > All Settings > Advanced Features > Voice > Amazon Alexa Settings)

- This function and Voice Recognition Solution Partner 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.
- The images, buttons, and functions of the Samsung Smart Remote may differ with the model or geographical area.

Bixby/Alexa answers although I did not call it.

The Projector may recognize an ambient noise or everyday conversation as a call to Voice Assistant.

Turn off the Hands-free wake-up function or set the Wake-Up Sensitivity to Low.

- > left directional button > Settings > All Settings > General & Privacy > Voice > Bixby Settings > Voice Wake-up

  (> left directional button > Settings > All Settings > Advanced Features > Voice > Bixby Settings > Voice Wake-up)

- > Bixby Settings > Voice Wake-up

This function and Voice Recognition Solution Partner may not be supported depending on the model or geographical area.

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.

I spoke "Hi, Bixby/Alexa" but Bixby/Alexa does not answer.

When the Projector is far from you or the ambient noise is so loud, the Projector may be unable to recognize your voice.

- For best results, you need to be within 10 feet (3-4 m) of your Projector. Please look at your Projector screen and speak.

Turn on the Hands-free wake-up function.

- > Bixby Settings > Voice Wake-up > Hands-free wake-up

This function and Voice Recognition Solution Partner may not be supported depending on the model or geographical area.

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.

To reset a previously connected remote control, press and hold the and buttons simultaneously for more than 3 seconds. The remote control connection is reset.

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.
  - You can check remaining battery of Samsung Smart Remote with solar cell in > left directional button > Settings > All Settings > General & Privacy > Remote Control.

    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)

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.

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)

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.

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 utilizes high-speed switching circuits and high levels of electrical current. Depending on the Projector's brightness level, the Projector may seem slightly noisier than a conventional Projector.

Your Projector has undergone strict quality control procedures that meet our demanding performance and reliability requirements.

Some noise coming from the Projector is considered normal and is not an acceptable cause for an exchange or refund.

The screen is off, but I hear noise.

Even when the screen is off, noise may be heard if the product performs tasks in the background. Noise will not be heard after the tasks are completed.

- For example, noise may be heard when SmartThings is operating or the network is reconnected through Wi-Fi

The Projector narrates the screen events in voice-over.

To turn off Voice Guide, move the focus from Accessibility Shortcuts to Voice Guide and then press the Select button. You can turn on or off Voice Guide. To run Accessibility Shortcuts, see the following:

- Press and hold the +/− (Volume) button on your Samsung Smart Remote.

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.

If the brightness of the projection surface is not uniform, the touch function may not work properly. Adjust the surrounding environment, or use the touch function on a projection surface with uniform brightness.

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

Touch function may not work properly in some environment conditions. Please refer to the 'Checking environment conditions for using the touch function' section before installing the product.

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.

- Video Test

  Play test videos to check for problems with the screen.

- Sound Test

  Play test sounds to check the sound quality.

- Smart Hub Connection Test

  Check the network connection.

- Bluetooth

  Check whether the Bluetooth module is working normally.

- Acceleration Sensor

  Check whether the Acceleration Sensor is working normally.

- HDMI Test

  Check the external device signal, signal history and HDMI cable connection, and check for an HDMI-CEC connection that is functioning abnormally.

- SW Version Information

  Check the currently installed software version, and update the software to the latest version, if necessary.

- Picture Test

  Use test photos to check for problems with the screen.

- Remote Control

  Check for problems with the Remote Control connection or buttons.

- 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.

- Light sensor

  Check whether the light intensity sensor is working normally.

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 > 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 Projector Try Now

You can view the address of the Samsung website, the call center 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. Continue holding the button until the customer information pop-up window appears.

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 Center 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.

Learn Menu Screen

Once "Learn Menu Screen" is enabled, your Projector will tell you the information and features of the menus you select.

Using the Remote control

You can see the description of the buttons on the Samsung Smart Remote.

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

Orientation of the Samsung Smart Remote

Hold the remote control with the buttons facing towards you. The side with the button in the upper left is the top of the remote control.

Description of the Samsung Smart Remote

The images, buttons, and functions of the remote control may differ with the model or geographical area.

From top to bottom and left to right:

- The button is at the top left.
- Of the 2 buttons below the button on the Samsung Smart Remote, the left one is the button and the right one is the button.
- There is a small LED (microphone) between the button and the button on the Samsung Smart Remote, but it cannot be felt by hand.

- Underneath these 2 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 3 buttons, one on the left, one on the right, and one in the center. 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 2 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 use the Accessibility functions and descriptions on their 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 Description, Audio Subtitles, Picture Off, Magnification, High Contrast, Zoom Menu and Text, Grayscale, Color Inversion, SeeColors Mode, Caption, Sign Language Zoom, Edit Sign Language Zoom, Slow Button Repeat, Auto Menu Sort, and you can move to the Learn Remote, Learn Menu Screen, Multi-output Audio, and Accessibility Settings pages.

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

- Samsung Smart Remote

  On the Samsung Smart Remote, there are 2 thin horizontal rocker buttons next to each other located slightly below the middle of the remote. The one on the left is the volume button. Press and hold the volume button to open the Accessibility Shortcuts menu.

  Even if the Voice Guide is set to Off or muted, when you press and hold the volume button, the voice guide for Accessibility Shortcuts is enabled.

Running the Accessibility menu functions using the General menu

Home > left directional button > Settings > All Settings > General & Privacy > Accessibility

Try Now

You can also go to the Accessibility menu from the Projector settings menu. This provides more options, for example, to change the speed of Voice Guide.

The Projector will not verbalize this menu unless Voice Guide is already turned on.

1. Press the Home button.
2. Press the left directional button to navigate to Menu, and then press the up and down directional buttons to navigate to Settings.
3. Press the Select button, and press All Settings to open the menu. Press Select to load the Projector's Set menu.
4. Press the down directional button to reach General & Privacy, and then press the Select button to open this menu.

5. Place the focus on Accessibility, and press the Select button to open the menu.
6. The menu will appear with Voice Guide Settings as the first selection. Highlight Voice Guide Settings, and then press the Select button.
7. A menu appears with the options to change Voice Guide, Volume, Speed, Pitch, and Projector Background Volume.
8. Select the menu using the directional buttons, and then press the Select button.

The menus are activated when Voice Guide is on.

Running the Accessibility menu functions using Bixby

This function is available only if Voice Assistant is set to Bixby.

- > left directional button > Settings > All Settings > General & Privacy > Voice > Voice Assistant* Try Now
- > left directional button > Settings > All Settings > Advanced Features > Voice > Voice Assistant*

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

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

To use Bixby, the Projector must be set up and tuned and must be connected to the network. You can connect the Projector to the network during the initial setup or do it later through the settings menu.

There are many commands you can say to control the Projector. These can be used together with Voice Guide to give you voice input and voice output. You can use the Samsung Smart Remote but the Projector must be connected to the network.

To speak a command, press and hold the button (located near the top right of the Samsung Smart Remote, directly right the button) and say the command, and then release the button. The Projector will confirm the command.

For example you can:

- Turn Voice Guide on

  Press the button on the Samsung Smart Remote, and then say "**Voice Guide on**."
- Turn High Contrast on

  Press the button on the Samsung Smart Remote, and then say "**High Contrast on**."

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

Learning about the Accessibility menu functions

- Voice Guide Settings

  Provides voice guides to make it easier for the visually impaired to use the Projector. Voice guide supports basic operations such as changing channels and adjusting the volume, provides voice descriptions about the current broadcast and the following broadcast, and offers guidance on setting up Scheduled Viewing events. The feature also provides voice descriptions on Internet, Search, and other smart services.

  Move to Voice Guide and press the Select button to enable/disable the feature.

- Audio Description Settings

  This feature provides commentary about what's happening in the scene as assistance for the visually impaired.

  However, the feature must be supported by the broadcast you are watching.

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

- 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.

- Auto Picture Off

  Turn off the Projector screen and provide only sound to reduce overall power consumption. When you press a button on the remote control other than Volume and Power while the screen is off, the Projector screen turns back on.

- Magnification

  Enlarge the screen to make the picture or text bigger. You can adjust the zoom level or move the zoom area by following the displayed instructions.

  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 programs.

- Grayscale

  You can change the color of the Projector screen to black and white to sharpen blurred edges caused by colors.

  > If Grayscale is on, some Accessibility menus are not available.

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

- Color Inversion

  You can invert the colors of the text and background displayed on the Projector screen to make it easier to read the text.

  > If Color Inversion is on, some Accessibility menus are not available.

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

- SeeColors Mode

  This feature helps users with color blindness experience richer colors.

  Use this feature to customize the colors for your unique viewing conditions, to experience richer colors on the screen.

  > When SeeColors Mode is in use, some menus are disabled.

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

- Learn Remote

  Learn the names and functions of the buttons on remote control. On this screen, pressing the power button (top left button) will turn off the Projector, but when any other button is pressed the Projector will say the button name and briefly tell what that button does. This teaching mode helps you to learn the location and operation of the buttons on the remote without affecting normal Projector operation. Press the ↩ button twice to exit Learn Remote.

- Learn Menu Screen

  Learn the menus on the Projector screen. Once enabled, your Projector will tell you the information and features of the menus you select.

- Caption Settings

  You can view the caption in programs that provide broadcast captions.

  When watching a channel on an external device such as a set-top box and cable box, turn on the caption function on the device. For more information, contact your service provider.

  – Caption Mode

    You can select a desired caption mode from the list.

  – Digital Caption Options

    You can set the caption display details.

    The Position function is available only in the programs that provide captions. Your Projector supports the caption from the broadcaster. Using this function, the caption can be positioned on a desired location. It can be used by the hearing impaired for convenience.

- Sign Language Zoom Settings

  You can zoom in the sign language screen when the program you are watching provides it. Set Sign Language Zoom to On and then adjust the window's position and aspect ratio under Edit Sign Language Zoom.

  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.

- 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.

- Accessibility Shortcut Settings

  Set the accessibility shortcut to activate when the Volume button is pressed and held.

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

- Time to Take Action

  Choose how long messages, like pop-ups, stay on screen before you take action.

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

- Moving Text and Image

  Some screen effects may be limited, but this can be helpful for those sensitive to screen motion.

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

Using the Projector with Voice Guide on

Turn on Voice Guide that describes the menu options aloud to aid the visually impaired.

Changing channel

There are 3 ways to change the channel. Every time you change channels, the new channel details will be announced. The ways to change the channel are below.

- Channel List

  Press and hold the ∧/∨ (Channel) button to open the Channel List. Use the up or down directional button to move to a channel and press the Select button.

- ∧/∨ (Channel) button

  Of the 2 buttons that protrude from the center of the Samsung Smart Remote, the right one is the ∧/∨ (Channel) button. Push up or pull down the ∧/∨ (Channel) button to change the channel.

- Number button

  Use the button on the Samsung Smart Remote to open the virtual numeric pad, enter a number, and then select Done.

Using on-screen number entry via the Samsung Smart Remote

Use the virtual numeric pad to enter numbers (e.g., to enter a channel number or to enter a PIN).

Press the button on the Samsung Smart Remote and the virtual numeric pad with 2 rows appears on screen. Voice Guide speaks "**virtual numeric pad, 6**" which indicates that the number strip is on screen and the focus is on the number 6. This strip has the following buttons:

- In the top row, a list of Most Watched Channel is shown.
- Press the button: On the bottom row: From the far left: 1, 2, 3, 4, 5, 6, 7, 8, 9, 0, -, Delete

The options that you can select in the virtual numeric pad may vary depending on the viewing mode.

Use the left and right directional buttons to move along the row, and then press the Select button to choose the numeric pad. When you have finished selecting all the numbers you need (for example, 123), press the directional button to move to the Done option, and then press the Select button to finish.

When entering a channel number, you can enter the number, and then select the Done option on the top row or you can enter the channel number and wait. After a short while, the channel will change and the virtual numeric pad will disappear from the screen.

Changing volume

Use the +/− (Volume) button on the left to change the volume. Every time you change the volume, the new volume level will be announced.

- Samsung Smart Remote

  Of the 2 buttons that protrude from the center of the Samsung Smart Remote, the left one is the +/− (Volume) button. Push up or pull down the +/− (Volume) button to change the volume.

Using program information

When watching Projector, press the Select button to view program information which then appears at the top of the screen. Voice Guide will say program subtitles or audio descriptions if they are available. To view more detailed program information, press and hold the Select button. Voice Guide will say more details such as a synopsis of the program.

Press the left or right directional button to see what you can watch next on the same channel. Press the up or down directional button to move to other channels and see which programs are currently being broadcast on them.

Press ↩ to go back or close the program details.

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

Using the guide

See an overview of each channel's program lineup.

When you want to know the program information for each channel while watching a broadcast program, press the ∧/∨ (Channel) button on the Samsung Smart Remote. Use the directional buttons to view the program information.

You can see the daily program schedules for each channel and program information in the Guide. You can select programs to schedule for viewing.

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. Analog 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 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 steps below.

1. Press the button and press the left directional button on the remote control.
2. Press the down directional button to move to the Settings.
3. Press the Select button, and press the right directional button to move to the All Settings.
4. Press the Select button to open the Projector's All Settings menu.
5. Use the up and down directional buttons to move to the General & Privacy menu, and then press the Select button.
6. Use the up and down directional buttons to move to the Time menu, and then press the Select button.
7. 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 programs 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 programs 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 programs 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 program currently broadcasting.

When you move the focus to a program, you will hear detailed information about the selected program. When you move the focus to a different channel, you will hear the channel name and number, and the program details. If you move to a different day, you will hear the day announced for the first program 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 program on now

In the Guide, move to the program currently broadcasting, and then press the Select button to go to live Projector on the selected channel and program.

Other options in the guide

In the Guide, move to a broadcast scheduled program, 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 program you are currently watching, press the Select button.

- Schedule Viewing

  You can schedule the viewing of a broadcast scheduled program.

- Cancel Scheduled Viewing

  You can cancel your scheduled viewings.

- View Details

  You can see the detailed information on the selected program. The information may differ with the broadcast signal. If the information is not provided with the program, nothing appears.

  Press the Select button on the View Details option. This will open the details pop-up window for that program 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 program at a specific time and date.

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

The icon appears next to programs 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)

Setting up a schedule viewing

You can set up a schedule viewing on two screens.

- The Guide Screen

  On the Guide screen, select a program you would like to view, and then press the Select button. Select Schedule Viewing on the pop-up menu that appears.

- The Program Info Screen

  Press the Select button while watching the Projector. The Program Info window appears. Select a broadcast scheduled program by using the left or right directional buttons, and then press the Select button. You can schedule a reminder to watch the program by selecting Schedule Viewing.

Cancelling a scheduled viewing

You have 2 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 program 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 canceled and the Guide screen appears.

- Cancelling a scheduled viewing from Schedule Manager

  1. On the remote control, 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 programs 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 programs 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 program 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 123 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 Channels, Samsung TV Plus and Genre. Use the up and down directional buttons to move to a channel you want to view, and then press the Select button.

- Edit Channels

  Edit the channels stored on your Projector.

- All Channels

  Displays the channels that have been automatically searched.

- Samsung TV Plus

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

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

- 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.

- Favorites

  Displays Favorites, My List 1 to My List 4. Use the up and down directional buttons to move between the lists of favorites. Highlight the one you want, and then press the Select button. The channel list will now show only the channels in this list.

Using Smart Hub

Learn how to use Smart Hub to access apps, games, movies, and more.

Smart Hub

Use a variety of Smart Hub content offered by your Samsung Projector.

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

Press the button. You are redirected to the Home Screen of the content you are currently using. Press the left directional button, and try moving the focus to other items.

Use a variety of Smart Hub content, as follows: Samsung Account, Search, Ambient, Samsung Daily+, Game, Home, Menu, Privacy Choices

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

Using the Smart Hub Home Screen

On the leftmost part of the Smart Hub Home Screen is the static menu listed. You can quickly and easily use the listed menu items to access the main Projector settings or external devices, search, and apps.

- Samsung Account

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

  - For more information, refer to "Using a Samsung account."

- Search

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

  - To use the Search service, make sure the Projector is connected to a network.
  - This function may not be supported depending on the model or geographical area.

- Ambient

  When the Projector is not being used, set your Projector to display content that you desire such as the Time or Weather.

  To return to TV mode from Ambient mode, press > the left directional button > Home. Press the button to turn off the Projector.

  - This function may not be supported depending on the model or geographical area.
  - For more information, refer to "Using Ambient Mode."

- **Samsung Daily+**

  Provides useful services, such as home training, remote work and commerce, allowing users to conveniently experience different lifestyles.

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

  For more information, refer to "About the Samsung Daily+ Home screen."

- **Game**

  Play games from the Projector screen by connecting a Controller to the Projector. Configure settings to optimize the Controller and audio device for playing games.

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

  For more information, refer to "Using Samsung Gaming Hub."

- **Home**

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

  For more information, refer to "Using the Home Function."

- **Settings**

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

  For more information, refer to "About the Settings Home Screen."

- **Privacy Choices**

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

  To use Smart Hub, you must agree to the Smart Hub service agreement and the collection and use of personal information. Without giving consent, you cannot 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

  If you want to stop using Smart Hub, you can cancel the agreement. To cancel the Smart Hub service agreement, select Reset Smart Hub (> left directional button > Settings > Support > Device Care > Reset Smart Hub). Try Now

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

Launching the User guide

Open the user manual embedded in your Projector.

> left directional button > Settings > Support > Open User guide

(> 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., Internet) indicate a menu item.

The User guide's Home Screen contains 1 row of menu icons. Use the left and right directional buttons to move within a row. Press the Select button to open the section you want to read.

- You can use the directional buttons on the remote control to use the functions on the top such as Search, Sitemap, and Index.

The User guide contains a section called "**Learn Remote**" in "**Accessibility Guidance**". This is particularly useful for people who cannot easily see the buttons on the control or who are not clear what each button does. When you are viewing this section of the User guide, pressing the buttons on the remote control will not affect the Projector.

Using Bixby

Set Voice Assistant to Bixby. 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.
- This function is available only if Voice Assistant is set to Bixby.
  - > left directional button > Settings > All Settings > General & Privacy > Voice > Voice Assistant* Try Now
  - > left directional button > Settings > All Settings > Advanced Features > Voice > Voice Assistant*

  *: The menu name or position for this feature may vary, depending on the model.
- The supported language may differ depending on the geographical area.
- 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 Discover Bixby. Press the button. The icon appears at the bottom right of the screen. Press the Select button to go to the Discover Bixby screen.
- The images, buttons, and functions of the Samsung Smart Remote may differ with the model or geographical area.