

Using Anynet+ (HDMI-CEC)

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

You can use the TV's remote control to control external devices that are connected to the TV 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

> Settings > General > External Device Manager > Anynet+ (HDMI-CEC)

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

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

Controlling the TV with a Keyboard, Mouse, or Gamepad

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

> Settings > General > External Device Manager > Input Device Manager

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

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 stored on external storage devices, and perform more functions.

- Some Smart Hub services are paid services.
- To use Smart Hub, the TV must be connected to the Internet.
- 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.
- To use Smart Hub, you must agree to the Smart Hub service agreement and the collection and use of personal information.
- Without giving consent, you cannot use the additional features and services. You can view the entire text of the Terms & Privacy by navigating to > Settings > Terms & Privacy.

- If you want to stop using Smart Hub, you can cancel the agreement. To cancel the Smart Hub service agreement, select Reset Smart Hub (> Settings > Support > Device Care > Self Diagnosis > Reset Smart Hub).

Launching Smart Hub automatically Settings General Smart Features Autorun Smart Hub Try Now
When you set Autorun Smart Hub to on, the TV displays the Home Screen automatically when you turn the TV on. You can turn this function on or off. Press the Select button at the current menu.

Launching Samsung Business TV app automatically

> Settings > General > Smart Features > Autorun Samsung Business TV App

If Autorun Samsung Business TV App is set to On, Samsung Business TV app is automatically run when you turn on the TV. You can also turn this function on or off. Press the Select button at the current menu.

To use the Samsung Business TV app on your TV, install the app from Google Play Store or App Store. Use the Samsung Business TV app by following the screen instructions on the mobile device.

- When Autorun Samsung Business TV App is set to On while Autorun Last App is turned On, the Samsung Business TV app runs automatically when your TV is turned on.
- This is available in Android 6.0/iOS 9.0 or higher.
- The Samsung Business TV app on the Home Screen is installed automatically after you consent to the service agreement and the collection and use of personal information.
- This function may not be supported depending on the model or geographical area.

Remove images from My Collection

You can remove the saved images from My Collection.

- Use the directional buttons on the remote control to move to My Collection.
- Use the directional buttons on the remote control to move to Favorites or My Photos.
- Use the directional buttons on the remote control to move to Remove, and then press the Select button.
- Use the directional buttons on the remote control to move to an image, and then press the Select button.
- Use the directional buttons on the remote control to move to Remove Selected at the bottom of the screen, and then press the Select button.

Buying images from Art Store

1. Use the directional buttons on the remote control to move to Art Store.
2. Use the directional buttons on the remote control to move to a topic, and press the Select button. You can select any subtopics or images on the screen.

3. Use the directional buttons on the remote control to move to an image, and press the Select button.
4. Use the directional buttons on the remote control to move to Details at the bottom of the screen, and then select Acquire Artwork.
5. Use the directional buttons on the remote control to select payment methods, and then press the Select button.
6. Follow the on-screen instructions to procedure payment.

Subscribing to The Art Store Membership

When you subscribe to The Art Store Membership, you can use Art Store unlimitedly and enjoy various art works by replacing them with new ones according to your preferences.

- Use the directional buttons on the remote control to move to Art Store.
- Use the directional buttons on the remote control to move to Membership.
- Follow the on-screen instructions to enter your membership information.

Setting up Art mode

In Art mode, use the directional buttons on the remote control to move to the Settings menu item at the bottom of the screen. You can adjust the following functions:

Brightness

- Use the directional buttons on the remote control to move to Modify at the bottom of the screen, and then press the Select button. In the next screen, adjust the picture brightness. After selecting the desired settings, press the Select button on the remote control.

Color Tone

- Use the directional buttons on the remote control to move to Modify at the bottom of the screen, and then press the Select button. In the next screen, adjust the color of your displayed artwork. After selecting the desired settings, press the Select button on the remote control.

Sleep After

- If no motion is detected around the TV for the set time, the TV turns off automatically. Use the directional buttons on the remote control to move to the bottom items. After selecting the desired time, press the Select button on the remote control.

Motion Detector

- The sensitivity of the motion detector function can be adjusted. Use the directional buttons on the remote control to move to the bottom items. After selecting the desired sensitivity, press the Select button on the remote control.

Night Mode

- When this function is turned on, the TV turns off automatically if no light is detected around the TV. Use the directional buttons on the remote control to move to the bottom items, and then turn this function on or off.

Using Art mode with the SmartThings app

Once you have installed the SmartThings app on your mobile device, you can use the following functions:

You can download the SmartThings app from Google Play Store, Samsung Apps, or the App Store.

- Selecting images.
- Subscribing to The Art Store Membership.
- Creating Collage: Combine multiple images into one image.
- Applying border styles and colors to images.
- Setting the brightness for Art mode.
- Setting Sleep After: When no motion is detected for the time specified in Art mode, the TV turns off automatically.
- Setting Motion Detector Sensitivity: Set the sensor sensitivity so that the TV turns on automatically when motion is detected in Art mode.
- Setting Night Mode: Set The Frame to turn off automatically if no light is detected in the room.

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

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

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

- Connection via Windows OS is available in Windows 10.
- Connection via Mac OS is available in AirPlay.

Using Easy Connection to Screen

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 smsng.co/PConTV and then install it on your PC.

2. Log in with the same Samsung Account for both TV and PC.
3. When the PC is turned on and connected via the network, PC on TV's Home screen displays the PC.

Using Samsung DeX

- Samsung DeX can be connected from the TV via wireless network.
- When the mobile device does not appear on the screen, select Mobile Connection Guide and then follow the screen instructions. Some models may not be searched when connecting the TV from a mobile device through Samsung DeX. In this case, access the DeX Guide on the screen in which you can perform connection by following the screen instructions.

Using Microsoft 365

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

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

Adding the Cloud Service

Select the Add Cloud Service icon. Use the bookmarking function of the browser, you can add or delete the cloud service link to or from PC on TV.

- To add the cloud service, you must be signed in to your Samsung account.
- The number of cloud services that can be added to PC on TV is limited.

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 TV'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 TV. 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 TV

Using Bixby

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

- This function is available only if Voice Assistant is set to Bixby. (> Settings > General Voice > Voice Assistant)
- Bixby is available only when the TV is connected to the Internet.
- 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.

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 TV screen is activated in Listen mode. Continue speaking.

- For best results, you need to be within 10 feet (3-4 m) of your TV. For more information, refer to "Voice Assistant Issues"
- 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.

To view the Bixby guide, press the button once:

- When you press the button, the Explore Now button appears at the bottom of the screen. Press the Select button to go to the Explore Bixby screen.

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 TV is connected to the Internet.
- Even if the TV is connected to the Internet, 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 TVs that support it and come with remote controls that have a microphone.
- Symbols including "-" and special characters are not supported. Consequently, if a word or sentence contains numeric values or symbols, the function may not operate properly.
- Searched results may not provide complete results.
- You may be required to pay for some apps. Consequently, you may encounter a service application or contract.
- To change the current channel by saying channel names as voice commands, you must finish Service Provider Settings. Service Provider Settings can be set in Settings Broadcasting Service Provider Settings.

Using the instant and schedule recording options from the Guide screen

Instant Recording

- Select a live program from the Guide, press and hold the Select button, and then select Record from the pop-up menu to start recording immediately.

Schedule Recording

- Select a program scheduled to be broadcast, press the Select button, and then select Schedule Recording to set up a scheduled recording of the scheduled program.

Scheduling a video recording after entering the date and time

> Live TV > Recordings > Schedules > Add Recording

To schedule a recording, set the values for Antenna, Channel, Repeat, Date, Start Time, and End Time of the broadcast program to record, and then select Save.

- This function may not be supported depending on the model.
- Check the current time in > Settings > General > System Manager > Time > Clock

Viewing recorded programs

> Live TV > Recordings > Recordings

Select a file containing a recording from the list. The file is played back.

Move the focus to the recorded file, and then view Play, Delete, or View Details on the right menu.

- Buttons that appear may differ depending on the file being played. For more information about control buttons, refer to "Buttons and functions available while recording a program or Timeshift."
- This function may not be supported depending on the model or geographical area.

Setting up a schedule recording start

> Live TV > Recordings > Settings

This function may not be supported depending on the model.

Start Recording Early

- You can set the time to start the recording earlier than the broadcast start time in the program guide.

Continue Recording After

- You can set the time to end the recording later than the broadcast end time in the program guide.

Using a Personal Favorites List

Designate frequently watched channels as favorite channels.

Favorite channels are highlighted in the Edit Channels and Channel List screens with the symbol. You can create up to five favorites lists so that your family members can create their own personal favorites list.

Create a favorites list

> Live TV > Channel List > Edit Channels

1. Press the left directional button on the remote control to select the desired Favorites list.
2. Press the right directional button to select Add Channels.
3. Select the desired channel in the list on the screen.
4. Press Add to add the selected channel in the Favorites list.

Select Favorites 1 - Favorites 5 on the Edit Channels screen and the following functions are available:

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 favorites list.

Save and Exit

- Saves and closes the Edit Channels screen.

Using Program Rating Lock

> Settings > Broadcasting > Program Rating Lock Settings

This function is useful for controlling what programs children can watch on the TV 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. The default PIN is "0000." To change the PIN, go to > Settings > General > System Manager > Change PIN.

- 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."
- Change PIN may not be supported depending on the model or geographical area.
- For more information about the rating system of different countries, refer to "Blocking programs based on their TV Rating."

Configuring advanced broadcasting audio settings

> Settings > Broadcasting > Audio Options

Audio Options functions differently for analog and digital channels.

- Preferred Language

This is the language you will hear while watching TV if the language is included in the broadcast signal.

- Multi-Track Sound

You can select the multi-track sound function depending on broadcasting signal

Checking digital channel signal info and strength

> Settings > Support > Device Care > Self Diagnosis > Signal Information

If your TV is attached to a separate, over-the-air antenna, you can use the signal strength information to adjust the antenna for increased signal strength and improved HD channel reception.

This function is only available for digital channels.

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

Using Input Signal Plus

> Settings > General > External Device Manager > Input Signal Plus

Expands the input signal range for HDMI connections.

- 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 TV screen may flicker.
- When you connect the TV 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."
- For more information about the supported 8K resolutions, refer to "Resolutions for Input Signals supported by 8K models (QN7**A series or higher)."

Listening to the TV through a Samsung audio device that supports the Wi-Fi function

> Settings > Sound > Wi-Fi Speaker Surround Setup

If you've connected one or more Samsung wireless audio devices that support the Wi-Fi function to the TV, you can create an optimal sound set up by configuring the surround effect settings. You can select any of the surround sound configurations, with or without a sound bar.

A surround sound configuration can be used if all of the following conditions are met:

- Two or more Samsung wireless speakers of the same type must be connected to the same wireless network.
- The Samsung audio devices that support the Wi-Fi function must be connected to the same wireless network as the TV.
- For more information about how to connect and use a Samsung audio device that supports the Wi-Fi function, refer to its user manual.
- Surround sound configurations with a sound bar may not be supported depending on the product.
- If you activate the Screen Mirroring function while using Samsung audio devices that support the Wi-Fi function, the Wi-Fi connection is disconnected.
- Mismatched video and audio lip-syncing may occur depending on the device type

Using the Time Functions and the Timers

Set the current time and use the timer function.

> Settings > General > System Manager > Time

You can set the Clock manually or automatically. Once the Clock is set, you can view the current time on the TV anytime.

You must set the clock in the following cases:

- The power cable is disconnected and then connected.

- The Clock Mode is changed from Auto to Manual.
- The TV is not connected to the Internet.
- No broadcast signals are received.

Setting the clock automatically

> Settings > General > System Manager > Time > Clock > Clock Mode > Auto

- This function works only when the TV is connected to the Internet or is receiving digital broadcasts through a connected antenna.
- The accuracy of the time information received may differ with the channel and signal.
- If you get your TV signal from a cable broadcast receiver/set-top box or a satellite receiver/satellite set-top box connected to an HDMI or Component port, you must set the current time manually.

Setting the clock manually

> Settings > General > System Manager > Time > Clock > Clock Mode > Manual

- When Clock Mode is set to Manual, you can directly enter the current date and time. Select the Date and Time by using the directional buttons on the remote control. When power is cut off and then supplied, the settings for Date and Time are reset to deactivate the On Timer. When their settings are assigned again, the On Timer is activated.

Using the sleep timer

> Settings > General > System Manager > Time > Sleep Timer

- You can use this function to automatically shut off the TV 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 TV.

Updating through a USB device

> Settings > Support > Software Update > Update Now

After downloading the update file from the Samsung website and storing it on a USB device, connect the USB device to the TV 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 TV will not be able to locate the update package

Audio and Video Functions for the Visually or Hearing Impaired

Running the accessibility functions

> Settings > General > Accessibility

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 1 second or more. You can easily turn on or turn off the functions, such as Voice Guide, Picture Off, Audio (Video) Description, Caption, High Contrast, Enlarge, Grayscale, Color Inversion, Learn TV Remote, Learn Menu Screen, Multi-output Audio, Sign Language Zoom, Slow Button Repeat, 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

> Settings > General > Accessibility > Voice Guide Settings

You can activate voice guides that describe the menu options aloud to aid the visually impaired. To activate this function, set Voice Guide to On. With Voice Guide on, the TV provides voice guides for channel change, volume adjust, information on current and upcoming programs, schedule viewing, other TV 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 TV Language. However, some languages are not supported by Voice Guide even though they are listed in the TV Language. English is always supported.
- For more information about the TV Language settings, refer to "Changing the menu language."

Using Other Functions

Changing the menu language

> Settings > General > System Manager > Language

Setting up a password

> Settings > General > System Manager > Change PIN

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

- This function may not be supported depending on the model or geographical area.
- If you forget your PIN, you can reset it with your remote control. With the TV turned on, press the following buttons on the remote control in the order shown to reset the PIN to "0000."

Setting up the Button Lock

> Settings > General > System Manager > Button Lock

You can set the TV Controller button lock. If this function is On, you cannot use TV Controller button.

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

Setting up the USB Lock

> Settings > General > System Manager > USB Lock

You can block connection to any external USB device.

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

Selecting Usage or Retail Mode

> Settings > General > System Manager > Usage Mode

You can set the TV 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 TV settings automatically reset after a preset amount of time.
- This function may not be supported depending on the model.

Managing External Devices

> Settings > General > External Device Manager > Device Connect Manager

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

- Access Notification

Set whether to display a notification when an external device such as a mobile device or tablet attempts to connect to the TV.

- Device List

Manage a list of external devices registered to the TV.

Troubleshooting

If you have a problem with your TV, you can access various solutions while watching TV. If your problem is not addressed in the Troubleshooting section, view the FAQ section or contact the Samsung Call Center.

Picture Issues

When the TV has trouble with the picture, these steps may help resolve the problem.

Testing the picture

> Settings Support Device Care Self Diagnosis Picture Test

Before you review the list of problems and solutions below, use Picture Test to determine if the problem is caused by the TV. Picture Test displays a high definition picture you can examine for flaws or faults.

Flickering and Dimming

If your TV is flickering or dimming sporadically, you may need to disable some of the energy efficiency features.

Disable Brightness Optimization, Brightness Reduction, Motion Lighting, or Contrast Enhancer.

- > Settings > General > Power and Energy Saving > Brightness Optimization
- > Settings > General > Power and Energy Saving > Brightness Reduction
- > Settings > General > Power and Energy Saving > Motion Lighting
- > Settings > Picture > Expert Settings > Contrast Enhancer

Run Picture Test. When the tested image quality is normal, check the signal of the connected device.

- > Settings > Support > Device Care > Self Diagnosis > Picture Test

Component Connections and Screen Color

If the color on your TV screen is not correct or the black and white colors are off, run Picture Test.

- > Settings > Support > Device Care > Self Diagnosis > Picture Test

If the test results indicate that the problem is not caused by the TV, do the following:

When using the One Connect Box, confirm that its video input connectors are connected to the correct external device video output connectors.

When using the component cable, confirm that the green (Y), blue (Pb), and red (Pr) jacks are plugged into their proper connectors.

For more information about how to connect an external device, run Connection Guide.

- > Source > Connection Guide

Blurring, or Juddering

If you notice blurring or juddering on the screen, use the Picture Clarity Settings function to resolve the issue.

> Settings > Picture > Expert Settings > Picture Clarity Settings

Unwanted Powering Off

If your TV appears to turn off by itself, try disabling some of the TV's energy efficiency functions.

See if Sleep Timer has been enabled. The Sleep Timer automatically turns the TV off after a specified period of time.

- > Settings > General > System Manager > Time > Sleep Timer

If the Sleep Timer has not been enabled, see if Auto Power Off or Off Timer has been enabled and disable it.

- > Settings > General > Power and Energy Saving > Auto Power Off
- > Settings > General > System Manager > Time > Off Timer

Problems Powering On

- If you are having problems powering on your TV, there are a number of things to check before calling the service department.
- Confirm that the TV's power cord is connected correctly at both ends and that the remote control is operating normally.
- Make sure that the antenna cable or cable TV cable is firmly connected.
- If you have a cable box or satellite box, confirm that it is plugged in and turned on.
- In case of a model that supports One Connect Box, check the One Invisible Connection or One Connect Cable between the TV and One Connect Box.

Unable to find a Channel

If your TV is not connected to a cable box or satellite box, run Auto Program.

- > Settings > Broadcasting > Auto Program

When using a broadcast receiver such as set-top box and IPTV, check the connection to the TV.

- > Source Connection > Guide

When the symptom persists, contact your service provider

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

Store displays are tuned to a digital UHD channel or HD channel.

Change the output resolution of your devices, such as digital broadcast receiver, IPTV, and set-top box to UHD or HD.

Be sure to use an HDMI cable to enjoy high quality videos.

> Source > Connection Guide > Video Device > HDMI

To connect the TV 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."

For more information about the supported 8K resolutions, refer to "Resolutions for Input Signals supported by QN8**A series or higher."

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.

The picture is distorted

- The compression of video content may cause picture distortions, especially in fast moving pictures from sports programs and action movies.
- 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 TV (within 3.2 ft) may cause noise on analog and digital channels.

The color is wrong or missing

- If you're using a Component connection, make sure that the Component cables are connected to the correct jacks.
- Incorrect or loose connections may cause color problems or a blank screen.

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 TV.

Adjust the picture size options on your external device or set the TV to full screen.

- > Settings > Picture > Picture Size Settings > Picture Size

The color is poor or the picture is not bright enough

Go to Picture and then adjust the Picture Mode, Brightness, Sharpness, and Color settings.

- > Settings > Picture > Picture Mode
- > Settings > Picture > Expert Settings > Brightness
- > Settings > Picture > Expert Settings > Sharpness
- > Settings > Picture Expert Settings > Color

See if Brightness Reduction has been enabled.

- > Settings > General > Power and Energy Saving > Brightness Reduction

Try resetting the picture.

- > Settings > Picture > Expert Settings > Reset Picture

There is a dotted line on the edge of the screen

Change Picture Size to 16:9 Standard.

- > Settings > Picture > Picture Size Settings

Change the output resolution of your external device.

The picture is black and white

Use a composite cable when you connect AV equipment to the TV.

If you are using the composite cable, connect the video cable (Yellow) to the VIDEO (Yellow / Green) input port.

Check whether Grayscale is set to On.

- > Settings > General > Accessibility > Grayscale

The picture won't display in full screen

HD channels will have black bars on either side of the screen when displaying upscaled SD (43↔) content.

Black bars will appear at the top and bottom of the screen when you watch movies that have aspect ratios different from your TV.

Adjust the picture size options on your external device or set the TV to full screen.

- > Settings > Picture > Picture Size Settings > Picture Size

The Caption function in the TV 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 TV screen

Turn off the Caption function in Caption Settings.

- > Settings > General > Accessibility > Caption Settings > Caption

The HDR of the connected external device turns off

Expand the reception range of the corresponding HDMI input signal in Input Signal Plus.

- > Settings > General > External Device Manager > Input Signal Plus

The TV remains on or does not turn on automatically.

If the surrounding area is too dark or bright, the motion sensor may not work normally. The performance of the motion sensor may be affected by the installation environment (height, tilt, obstacles). If the clothes you wear or your skin color is similar to the surrounding shading, the motion sensor may not work properly.

- Motion Sensor may not be supported depending on the model or geographical area

The TV responds to all visual changes around it (lights, displays, dogs, out-of-window changes, and other occurrences). You can adjust the response level by adjusting the sensitivity of the motion detector.

- > Art > Settings > Motion Detector
- Motion Detector may not be supported depending on the model or geographical area.

Sound and Noise Issues

When the TV has trouble with sound, these steps may help resolve the problem.

Testing the sound

> Settings > Support > Device Care > Self Diagnosis > Sound Test

If the TV plays the Sound Test melody without distortion, there may be a problem with an external device or the broadcast signal's strength.

How can I connect an audio device to the TV?

The connection method may differ depending on the audio device, such as HDMI (eARC), Optical, Bluetooth, and Wi-Fi.

For more information about how to connect an audio device, run Connection Guide.

- > Source > Connection Guide > Audio Device

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

- Check the volume control of your TV, and then check the volume control of the external device (cable box or satellite box, DVD, Blu-ray, etc.) connected to your TV.
- Check the cable connection between an external device and the TV and then try cable connection again.

The picture is good but there is no sound.

Set Sound Output to TV Speaker.

> Settings > Sound > Sound Output

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 TV is using an HDMI cable.

To listen to computer sound, connect an external speaker to the computer's audio output connector.

If your TV 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 cable.

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.

No sound is heard.

Check whether Digital Output Audio Format is set to Pass-Through.

If you select the Pass-Through option to use an AV receiver that does not support Dolby Digital+, no sound is output with Dolby Digital+ content.

It is recommended to set Digital Output Audio Format to Auto when the connected receiver supports only the limited audio formats.

- > Settings > Sound > Expert Settings > Digital Output Audio Format > Auto

The speakers are making an odd sound.

Run Sound Test.

- > Settings > Support > Device Care > Self Diagnosis > Sound Test

Make sure that the audio cable is connected to the correct audio output connector on the external device.

For antenna or cable connections, check the Signal Information. A low signal level may cause sound distortions.

- > Settings > Support > Device Care > Self Diagnosis > Signal Information

The sound is interrupted.

The sound may frequently be interrupted when a Bluetooth speaker is used. Make sure that the Bluetooth speaker and the wireless access point are on a straight line, and the Bluetooth speaker is placed as close as possible to the TV.

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 and Optical.

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

Turn off the Voice Guide function in Voice Guide Settings.

- > Settings > General > Accessibility > Voice Guide Settings > Voice Guide

The TV audio is not being played through the AV receiver.

Check the A/V receiver's power supply and its settings.

- When connecting the optical cable between the TV and A/V receiver, make sure that the sound output is set Optical on your TV.

- In case of HDMI eARC connection, make sure that it is connected to the eARC dedicated HDMI port on your TV. However, the eARC can be used only when the A/V receiver supports the eARC feature.

The sound is not heard clearly.

Change to an appropriate sound mode.

- > Settings > Sound > Sound Mode

When Intelligent Mode and Adaptive Sound+ are turned on, the sound effects are automatically adjusted to the surroundings.

- > Settings > General > 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+.

- > Settings > General > Intelligent Mode Settings > Adaptive Sound+

This function may not be supported depending on the model.

The volume of the external device cannot be adjusted.

Check the cable connection between the TV and the external device.

When connecting an external speaker such as home theater via HDMI, make sure it is connected to the HDMI (eARC) port on the TV. Make sure that the > Settings > General > External Device Manager > Anynet+ (HDMI-CEC) is active on your TV.

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

When you connect the Samsung Soundbar to the TV 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 TV, the power turns off and on together.

Channel and Broadcast Issues

When the TV has difficulties receiving broadcasts, these steps may help resolve the problem.

"Weak or No Signal" displayed in TV mode or cannot find channel.

Make sure that the external device is connected securely and turned on. Move to Sources to switch to other input sources.

- > Source > Sources

When using a set-top box or cable box, check the broadcast signals or the network that is connected to the external device.

The TV is not receiving all channels.

Confirm that the coaxial cable is securely connected to the TV.

Run Reset or Auto Program.

- > Settings > General > Reset
- > Settings > Broadcasting > Auto Program

The captions are not provided on a digital channel.

When watching channels with the antenna cable connected, run Caption Settings.

- > Settings > General > Accessibility > Caption Settings

Some channels may not have caption data.

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.

Broadcasting is deactivated.

Broadcasting is only available when Source is set to TV.

Broadcasting cannot be accessed while you watch TV using a cable box or satellite box.

Broadcasting cannot be accessed while a recording is in progress or the Timeshift function is running

External Device Connectivity Issues

When the TV 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 TV.

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 TV to your PC, read the instructions at PC Screen Sharing (Wireless) in Connection Guide, and then try to connect.

- > Source > Connection Guide > PC > Screen Sharing (Wireless)

Confirm that the TV and your PC are connected to the same network.



To wirelessly connect the TV to your mobile device, read the instructions at Smartphone > Screen Sharing (Smart View) in Connection Guide, and then try to connect.

- > Source > Connection Guide > Smartphone > Screen Sharing (Smart View)

If the TV 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 TV to an external device.

For more information about how to connect an external device, run Connection Guide.

- > Source > Connection Guide

Make sure that the external device is connected securely and turned on. Move to Sources to switch to other input sources.

- > Source > Sources

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

- > Source > 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.

- > Source > 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 TV. When the symptom persists, check that the PC is in Sleep mode and then set Input Signal Plus to On.

- > Settings > General > 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, see "Read Before Connecting a Computer (Supported Resolutions)."

Network Issues

When the TV has difficulties connecting to the Internet, these steps may help resolve the problem.

> Settings > Support > Device Care > Self Diagnosis > Smart Hub Connection Test

If the TV has trouble with network connection or TV services, check the Smart Hub connection status.

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

Make sure that no items that can generate electromagnetic interferences are placed between the TV and the wireless/wired access point.

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.

Enter the correct password if required.

If the wireless connection fails, connect the TV to the access point via a LAN cable.

If the TV can connect to the Internet normally via the wired connection, there might be a problem with the access point. In this case, try using a different access point.

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.

Auto IP configuration failed. Unable to connect to the network

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 the access point is on, turn it off, wait 1 or 2 minutes, and then turn it on.

Disconnect and then reconnect the power cable of the TV, or press and hold the power button for 3 seconds.

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

1. Check if the Internet LAN cable is connected to the access point's external LAN port.
2. Check the DNS setting in IP Settings.

- > Settings > General > Network > Network Status > IP Settings

Network setup is completed, but unable to connect to the Internet.

If the problem persists, contact your Internet service provider.

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 TV's remote control to control external devices that support Anynet+ (HDMI-CEC) and that are connected to the TV 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 TV on or off.

Anynet+ does not work.

Confirm that the device is an Anynet+ device. The Anynet+ system supports Anynet+ devices only.

Check if the power cord of the Anynet+ device is properly connected.

Check the cable connections of the Anynet+ device.

Go to Anynet+ (HDMI-CEC) and see if Anynet+ (HDMI-CEC) has been set to On.

- > Settings > General > External Device Manager > Anynet+ (HDMI-CEC)

Anynet+ may not function when some other functions are active, including Channel Search, Smart Hub, Initial Setup, etc.

If you have disconnected and then reconnected the HDMI cable, scan for devices again or turn your TV off and on.

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

Move the focus to the Anynet+ device at > Source, press the up directional button to move to Anynet+ (HDMI-CEC), and then press the Select button.

Check if the Anynet+ device is properly connected to the TV, and then select Anynet+ (HDMI-CEC) menu to see if Anynet+ (HDMI-CEC) is set to On.

- > Settings > General > External Device Manager > Anynet+ (HDMI-CEC)

I want to exit Anynet+. It is inconvenient to turn on other devices because the TV 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 TV, turn off the Anynet+ (HDMI-CEC) function of the device.

- > Settings > General > External Device Manager > Anynet+ (HDMI-CEC)

When Anynet+ (HDMI-CEC) is turned off, the sound bar connected via the HDMI (eARC) port does not turn off and on together with the TV. To prevent a specific device connected to the TV from turning off automatically, turn off the HDMI-CEC function on a specific device connected to the TV.

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

You cannot use the remote control when the TV is configuring Anynet+ or switching to the TV viewing screen.

Use the remote control after the TV has completed the Anynet+ configuring or has switched to the TV viewing screen.

The Anynet+ device won't play.

You cannot use the play function when Reset is in progress.

The connected device is not displayed.

Check whether the device supports Anynet+.

Anynet+ devices must be connected to the TV using an HDMI cable. Make sure the device is connected to your TV with an HDMI cable. Some HDMI cables may not support Anynet+.

Check whether the HDMI cable is properly connected.

Go to Anynet+ (HDMI-CEC) and see if Anynet+ (HDMI-CEC) has been set to On.

- > Settings General External Device Manager Anynet+ (HDMI-CEC)

Scan for Anynet+ devices again.

If the connection is terminated because there has been a power failure or the HDMI cable has been disconnected, please scan for the device again.

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 TV may be lost.

Point the Samsung Smart Remote at the front of the TV, and then press and hold the and buttons simultaneously for 3 seconds or more.

Also, if the remote control does not work properly or its response is very slow, the battery might be low or dead.

- Charge the remote control by using the solar cell or the USB port(C-type) on the bottom.
- You can check remaining battery of Samsung Smart Remote with solar cell in > Settings > General > Power and Energy Saving > Available Remote Battery.
- If the remote control has batteries, replace them with new ones.

External devices cannot be operated with the TV remote control.

- Check the cable connection between the TV and external devices
- When the symptom persists, set it manually in > Source Universal Remote.

Recording Issues

When Timeshift or Schedule recording aren't working, these steps may help resolve the problem.

The Timeshift or recording function cannot be used.

Check if there is a storage device connected to the TV.

Recording will automatically stop if the signal becomes too weak.

Check the free space on the storage device.

The function will not work if there isn't enough storage space on the USB device.

Before using the recording function, be sure to read all precautions. For more information, refer to "Before Using the Recording and Timeshift Functions."

Cannot record videos received from an external device or Samsung TV Plus.

The recording function is only available for digital broadcast channels received by the TV. You cannot record videos received from an external device or Samsung TV Plus.

The "Format Device" message appears when the Timeshift or recording function is used.

To use the recording function, the storage device connected to the TV must have been already formatted.

Formatting the storage device deletes all data from it, and the storage device is formatted in NTFS.

The recorded files on the TV are not played back on a PC.

The recorded files on the TV can only be played back on the same TV. Those video files cannot be played back on a PC or other TV.

Apps

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

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 TV Language set in the menu.

The ability to change the language depends on the app's provider.

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.

The services of your application are not provided by the TV 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 TV.

Turn off the Autorun Smart Hub function in Smart Features.

- > Settings > General > Smart Features > Autorun Smart Hub

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 TV. 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.

- This function may not be supported depending on the model or geographical area.
- The Voice Wake-up function may not be supported depending on the model, Voice Assistant 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 > Explore Now
- Amazon Alexa: > Settings General Voice Amazon Alexa Settings
- Google Assistant: > Settings General Voice Google Assistant Settings

Bixby or Alexa answers automatically.

The TV may recognize an ambient noise or everyday conversation as a call to Voice Assistant.

Turn off the Voice Wake-up function or set the Wake-Up Sensitivity to Low.

- > Explore Now > Settings . Voice Wake-up

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

When the TV is far from you or the ambient noise is so loud, the TV may be unable to recognize your voice.

- For best results, you need to be within 10 feet (3-4 m) of your TV. Please look at your TV screen and speak.

Turn on the Voice Wake-up function.

- > Explore Now > Settings > Voice Wake-up

Voice recognition does not work with the Samsung Smart Remote unlike other features. There is no response even if the voice entry button is pressed.

The connection between the remote control and the TV may be lost. Try pairing the remote control with the TV

Point the Samsung Smart Remote at the front of the TV, and then press and hold the and buttons simultaneously for 3 seconds or more.

Also, if the remote control does not work properly or its response is very slow, the battery might be low or dead.

- Charge the remote control by using the solar cell or the USB port(C-type) on the bottom.
- You can check remaining battery of Samsung Smart Remote with solar cell in > Settings > General > Power and Energy Saving > Available Remote Battery.
- 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 TV power cable 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 TV is hot.

Watching TV for an extended period of time causes the panel to generate heat.

The heat from the panel is dissipated through internal vents running along the top of the TV.

The bottom, however, may feel hot to the touch after extended use.

Children watching TV need constant adult supervision to prevent them from touching the TV.

This heat, however, is not a defect and does not affect the TV's functionality.

The TV smells like plastic

This smell is normal and will dissipate over time.

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

If Usage Mode is set to Retail Mode, the TV's audio and video settings are automatically reset every 5 minutes.

Change Usage Mode to Home Mode.

- > Settings > General > System Manager > Usage Mode

The TV is tilted to the side.

Remove the base stand from the TV and reassemble it.

The stand is wobbly or crooked.

Refer to the Quick Setup Guide and make sure that the stand is assembled correctly.

A POP (TV's internal banner ad) appears on the screen.

Change Usage Mode to Home Mode.

- > Settings > General > System Manager > Usage Mode

The TV is making a popping noise.

The expansion and contraction of the TV's outer casing may cause a popping noise.

This does not indicate a product malfunction.

The TV is safe to use.

The TV is making a humming noise.

Your TV utilizes high-speed switching circuits and high levels of electrical current. Depending on the TV's brightness level, the TV may seem slightly noisier than a conventional TV.

Your TV has undergone strict quality control procedures that meet our demanding performance and reliability requirements.

Some noise coming from the TV is considered normal and is not an acceptable cause for an exchange or refund.

The software update over the Internet has failed.

Check the network connection status

- > Settings > General > Network > Network Status

If the TV is not connected to a network, connect it to a network.

The upgrade stops if you already have the latest software version

The TV 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 or Remote Control.

Diagnosing TV operational issues

You can diagnose issues with your TV and Smart Hub and run reset functions.

> Settings > Support > Device Care > Self Diagnosis

You can use the Picture Test to help diagnose video issues and the Sound Test to diagnose sound issues. You can also view signal strength information for over-the-air digital signals, test the Smart Hub Internet connection, and run the Smart Hub and TV factory reset functions.

- Video Test
- Picture Test

- Sound Test
- HDMI Troubleshooting
- Signal Information
- Smart Hub Connection Test
- Reset Smart Hub

Cannot select Signal Information in Self Diagnosis

Verify that the current channel is a digital channel.

Signal Information is only available for digital channels.

- > Settings > Support > Device Care > Self Diagnosis > Signal Information

Reset Smart Hub

Resets all Smart Hub settings to their factory defaults and deletes all information related to Samsung accounts, linked service accounts, Smart Hub service agreements, and Smart Hub applications.

- > Settings > Support > Device Care > Self Diagnosis > Reset Smart Hub

Reset picture

Resets current picture settings to the default settings.

- > Settings > Picture > Expert Settings > Reset Picture

Reset sound

Resets current sound settings to the default settings.

- > Settings > Picture > Expert Settings > Reset Sound

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.