

Connections and setup

Refer to your TV's Quick Start Guide or other provided documentation to for modelspecific information about attaching the base or a wall mount and making connections to AC power and to your other audio/video devices.

Connecting an antenna, cable, or satellite box

If you are using an antenna, CATV cable without a set-top box, or a cable or satellite box that has only an antenna output, connect a 75-ohm coaxial cable (not provided) from the source to the ANT/CABLE input on the TV.

Tip: If you are using an antenna with a 300-ohm twin-lead cable, you need to use a 300-to-75-ohm adapter (not provided) to adapt the twin-lead cable to a connection that is compatible with the TV's antenna input

Tip: If you receive your TV stations through a set top box from a cable or satellite TV provider, connect it to the TV using the best connection method available. From most to least desirable:

- HDMI® input – Digital HD and SD video
- AV input – analog SD video
- Antenna input – analog SD video using NTSC

Connecting external equipment with a composite AV video cable

If the best connection available on your device is AV or composite video output, connect it to the TV using a composite AV cable (not provided). Composite AV cables typically have three RCA-type plugs on each end, color coded as follows:

- Yellow – Video
- Red – Audio, right channel
- White or black – Audio, left channel

Connect each plug to the corresponding connector on the device and on the TV.

Note: Select models have an AV Input that looks like a headphone jack. Use the breakout cable (included) to adapt this input to the three RCA-type plugs on your composite cable.

Connecting external equipment with an HDMI® cable

If possible, connect your devices using HDMI® cables (not provided). They help to provide the best video quality and also carry audio signals, so that only one cable is needed. For better picture quality, we recommend that you use cables designated as High Speed HDMI® Cables.

Tip: You might need to configure the device to send its signal through its HDMI® connector.

The connector labeled HDMI (ARC) has the additional ability to use the audio return channel to send digital audio to a receiver or soundbar, as explained in Connecting an AV receiver or digital soundbar. Only on select models: The connector labeled HDMI (eARC) provides the same functionality as the HDMI ARC connector, plus the ability to pass through full-resolution sound formats such as Dolby Atmos and DTS:X from and to devices that support these formats, without additional processing by the TV. Additional details are provided in Choosing an audio format.

Connecting headphones or analog soundbar

You can connect headphones or an analog soundbar (not provided) to the TV's headphone jack.

Tip: Inserting a plug in the headphone jack disables the sound from the TV's built-in speakers.

Warning: Loud noise can damage your hearing. When using headphones, use the lowest volume setting on your headphones that still lets you hear the sound.

Select models also have an audio line out connection that is not affected by TV volume or mute settings and does not disable the TV speakers. Use this connection when you want to use your amplifier or soundbar to control the TV volume. To turn off the TV's built-in speakers, from the Home screen menu, navigate to Settings > Audio > TV speakers and change the setting.

Connecting headphones to a Roku Voice Remote Pro

Select Roku TVs come with the Roku Enhanced Voice Remote or Roku Voice Remote Pro. On these models, you can connect headphones to the jack on the left side of the remote.

Tip: Inserting a plug in the remote's headphone jack disables the sound from the TV's built-in speakers or attached receiver or soundbar. The volume and mute controls on the right side of the remote adjust the volume level of the connected headphones.

Warning: Loud noise can damage your hearing. When using headphones, use the lowest volume setting on your headphones that still lets you hear the sound. You might notice that connecting headphones to your remote shortens the remote's battery life somewhat.

Connecting an AV receiver or digital soundbar

You can enjoy Dolby Audio™ multichannel sound from your TV if you connect a digital amplifier or soundbar (not provided) in any of the following ways:

- Digital optical audio out (S/PDIF) – Connect a TOSLINK optical cable (not provided) from the TV to the Optical input on your receiver or soundbar.

- **HDMI® ARC** – Connect an HDMI® cable (not provided) from the HDMI (ARC) connector to the HDMI® input on your receiver or soundbar. This connection uses the Audio Return Channel (ARC) feature of HDMI® to output sound from the TV to a compatible device. To use this feature, you must configure the TV to enable HDMI® ARC, as explained in [Setting up a digital audio connection](#).
- **HDMI® eARC** – Select models only: Connect an HDMI® cable (not provided) from the HDMI (eARC) connector to the HDMI (ARC) or HDMI (eARC) input on your receiver or soundbar. If your receiver or soundbar supports HDMI enhanced ARC (eARC), the TV can pass through full-resolution sound from programs containing enhanced audio. If your receiver or soundbar does not support eARC, use the TV's eARC port to make the connection to the device's ARC port. The eARC port is backward compatible with the ARC standard.

Preparing for Internet connectivity

If you want to watch streaming content and take advantage of most of the cool features of your Roku TV, connect it to the Internet through a wireless modem/router or a wireless access point (not provided). The TV has a built-in wireless LAN adapter.

Note: The TV supports only its internal wireless network adapter—it does not support the use of a USB network adapter

Select models have both wired and wireless network connectivity. To use the wired network connection, connect an RJ-45 Ethernet cable (not provided) from the jack on the back of your TV to your network router or switch. The wired connection automatically supports both 10 Base-T and 100 Base-T Ethernet.

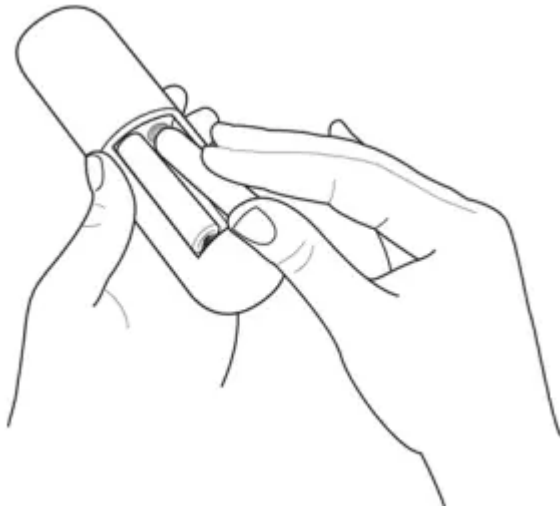
AC power

Plug your TV into a power outlet. You can tell that the TV has power because the status indicator lights up when the TV is off.

The topic [Status indicator](#) explains how the status indicator shows what is happening with the TV.

Roku remote batteries


Open the back of your Roku remote and insert the included batteries, observing the proper orientation as indicated in the battery compartment. Reattach the back cover.




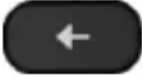


Roku TV remote







Use the following information to identify the buttons on your Roku remote.


Note: Remote buttons and features vary somewhat by model. Your remote might not have all buttons or features listed.


- If your remote has a VOICE  just below the purple pad, you have a Roku Voice Remote.
- If your remote has a headphone jack on its left edge, you have a Roku Enhanced Voice Remote or Roku Voice Remote Pro.

Roku Voice remotes have additional capabilities as noted in the following table.

BUTTON	FUNCTION	DESCRIPTION
	POWER	Turns TV on and off
	BACK	<ul style="list-style-type: none"> • Menu: Goes back to previous menu/ screen. • Home screen tile: Moves highlight back to the Home screen option. • Watching live TV or a TV input: Returns to Home screen. • Playing streaming content: Stops playing stream and returns to the previous menu or screen. • Browsing streaming content: Goes to the previous level in the content tree.
	HOME	Immediately returns to the Home screen.
	DIRECTIONAL PAD	<ul style="list-style-type: none"> • Moves the highlight in the corresponding direction. • OK chooses the highlighted option. <p>While watching TV:</p> <ul style="list-style-type: none"> • UP/DOWN changes channel. • LEFT displays the Live TV Channel Guide (connected mode) or channel list (non-connected mode). • LEFT/RIGHT TVs operating in non-connected mode: while in the channel list switches between ALL CHANNELS and FAVORITE CHANNELS. TVs with Live TV Pause enabled: when the program is paused, moves backward/forward approximately 10 seconds in the program buffer. • While in the channel list, OK selects the highlighted channel. While

		watching live TV: displays the program information banner
	VOICE or SEARCH	Only on select models with Roku Voice remotes, hold and say the name of a movie, TV program, actor, director, or genre, including the special genres “free” and “4K.” Or, say a command to start streaming, change a channel, and more1 .
	REPLAY	Select models. Streaming programs that support this feature and TVs with Live TV Pause enabled, jumps back a few seconds with each press and resumes playing. If Live TV Pause is disabled, jumps to previous channel. When using an on-screen keyboard: Backspaces in the text you are entering. In the Live TV Channel Guide2: Returns to the current day and time.
	 REWIND  PLAY/ PAUSE  FAST FWD	Scan backward, pause, play, and scan forward in streaming content and live TV channels (if Live TV Pause is enabled). Press REWIND  or  FAST FWD one, two, or three times to control the speed of the operation. REWIND and FAST FWD also jump backward and forward one screen at a time when viewing long lists, such as when you are browsing programs in the channel list or Live TV Channel Guide1 .
	STAR	Displays additional options when available. On-screen hints let you know when this button is active.
	GAME MODE	Only on HDMI and AV inputs on select models. Displays a banner showing whether Game mode is on or off, or “Not available at this time.” Subsequent presses toggle Game mode. When

		<p>On, the TV performs less image processing and has less input lag, producing a better experience with action games.</p> <p>Select models. Auto Low Latency Mode (ALLM) detects certain game consoles connected to an HDMI input and automatically switches to the best settings for action games. When ALLM is active, the manual Game mode setting is unavailable.</p> <p>Select models: Variable refresh rate (VRR) allows a compatible game console or computer to control the refresh rate of the TV. The result is smoother image animation with a lower instance of stutter or tearing.</p>
	SLEEP	<p>Select models. Displays a banner showing the remaining sleep time, if any, or “Sleep timer is off.” Subsequent presses cycle among the preset sleep time intervals. Once set, the sleep timer remains in effect unless you cancel it.</p>
	FACTORY ASSIGNED CHANNEL SHORTCUT	<p>Dedicated buttons show the logo of a preset streaming content provider. Dedicated content providers vary by model and region. Pressing a button:</p> <ul style="list-style-type: none"> • Displays the streaming channel's main page if you have already added the channel to your Home screen. • Displays the streaming channel's sign-up page if you have not already added the channel.
	 <p>UP DOWN MUTE</p>	<p>Located on the right edge of the remote.</p> <p>Increases/decreases volume and mutes the TV sound.</p> <p>Note: If the TV is muted, pressing VOLUME UP unmutes. Pressing VOLUME DOWN does not unmute the sound.</p>

		Select models with Roku Enhanced Voice Remote or Roku Voice Remote Pro. Connect headphones to the jack on the left edge of the remote to listen privately. Plugging in headphones mutes the TV speakers.
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Guided Setup

With the preliminaries out of the way, it's time to turn on your TV. As the TV starts for the first time, it leads you through Guided Setup, which configures the TV before you start to use it.

During Guided Setup, you'll:

- Answer a few questions
- Provide network connection information
- Get a software update
- Link your TV to your Roku account.
- Connect devices such as a DVD player, game console, or cable box.

Starting Guided Setup

To start Guided Setup, press POWER  on the remote to turn on your TV.

Note: Guided Setup normally runs only once, the first time you turn on your TV. If you need to run Guided Setup again, you must perform a factory reset as explained in [Factory reset everything](#)

When you first turn on your TV, it will take a few seconds to get itself ready. You'll notice the following things happening:

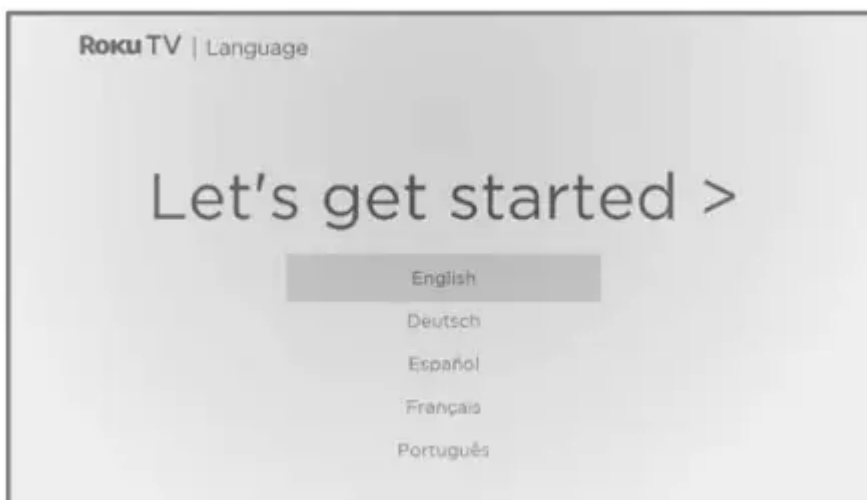
1. The status indicator blinks every time the TV is busy doing something; in this case it's powering up and getting ready for you.
2. The splash screen appears and the status indicator blinks slowly for a few more seconds. The power-on screen shows a brand logo while the TV starts up.





3. After a few seconds, Guided Setup starts.

Guided Setup

At this point, you should be seeing the Language screen.



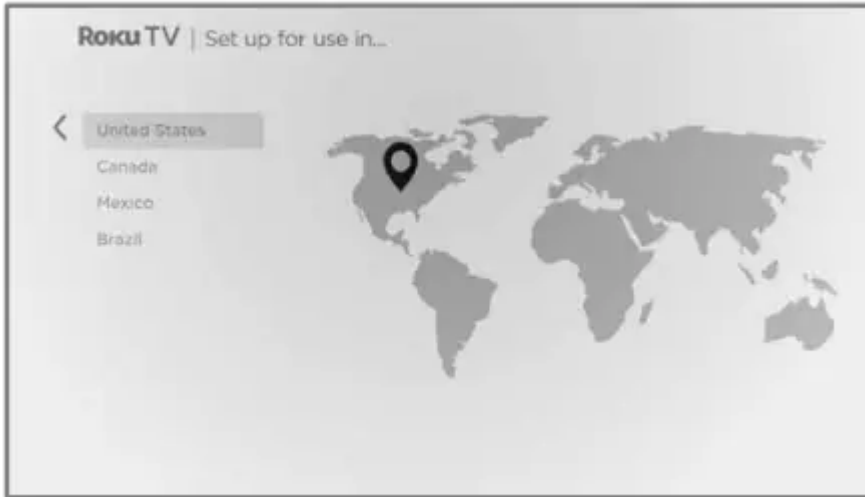
1. Only on models that have a Roku Voice remote: A few moments after the Let's get started screen appears, Guided Setup starts the pairing process for the Roku Voice remote. (You'll know if you have this type of remote because it has a VOICE  or SEARCH  button just below the purple directional pad.) If the Roku Voice remote does not pair automatically, follow the instructions on the screen to complete the pairing process.

Accessibility: On TVs sold in the United States, if you are blind or visually impaired, you can activate the screen reader, a text-to-speech screen reader to help you navigate the TV's menus and commands. To enable the screen reader, press STAR * four times in rapid succession. Repeat to disable the screen reader. (STAR * is located directly below the purple directional pad on the right side of the Roku remote.)

If you enabled the screen reader, choosing any language other than English disables it.

2. Press DOWN on the purple directional pad to highlight your preferred language, and then press OK.

3. Some models have a country selection screen: If you don't see this screen, skip ahead to the next step



If you see this screen, select your country, and then press OK.

Accessibility: If you enabled screen reader, choosing any country other than United States disables it.

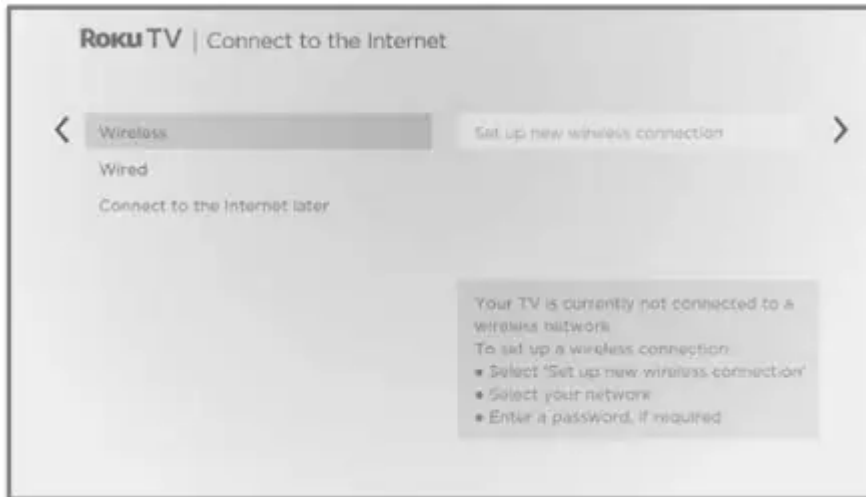


4. Press OK to select Set up for home use. This is the right choice for enjoying your TV at home. It provides energy saving options as well as access to all features of the TV.

Note: Set up for store use configures the TV for retail display and is not recommended for any other use. In store mode, some features of the TV are missing or limited. To switch from one mode to the other, you have to perform a factory reset as explained in Factory reset everything, and then repeat Guided Setup

Network connection

After you select Set up for home use, the TV prompts you to make a network connection. If your TV has both wired and wireless connections, you'll see the following screen. If your TV has only wireless connectivity, skip the following step



5. Only on models that display the Connect to the Internet screen: Make a selection:

Wireless connection – Highlight Set up new wireless connection and press OK. The TV prompts you through wireless setup. Skip ahead to the next step for help with the process.

Wired connection – Highlight Connect to wired network and press OK. The TV immediately attempts to connect to your wired network, your local network, and then the Internet. Go to Step 9 to continue with Guided Setup.

Connect to the Internet later – If you don't want to connect to the Internet right now, you can select this option, and then press OK. You can still use the TV to watch live TV channels, and connect your devices to play games, watch DVDs, or watch channels from a cable box or another streaming device. When you're ready to connect, it's easy. We'll show you how in Benefits of connecting.

Note: If you decide not to connect, Guided Setup skips ahead to setting up the devices that you've connected to your TV. Jump ahead to Connect your devices to complete Guided Setup.

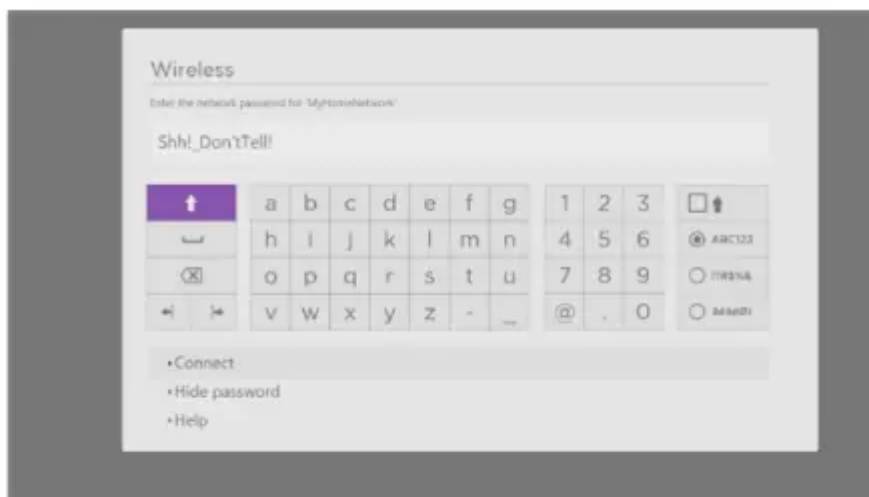
6. On models that have wireless only, and models with both wired and wireless when you've selected Wireless: The TV scans for the wireless networks within range and displays them in order, with the strongest signals first. In addition to your own wireless signal, the TV might pick up signals from your neighbors.



Press UP or DOWN to highlight the name of your wireless network, and then press OK to select it.

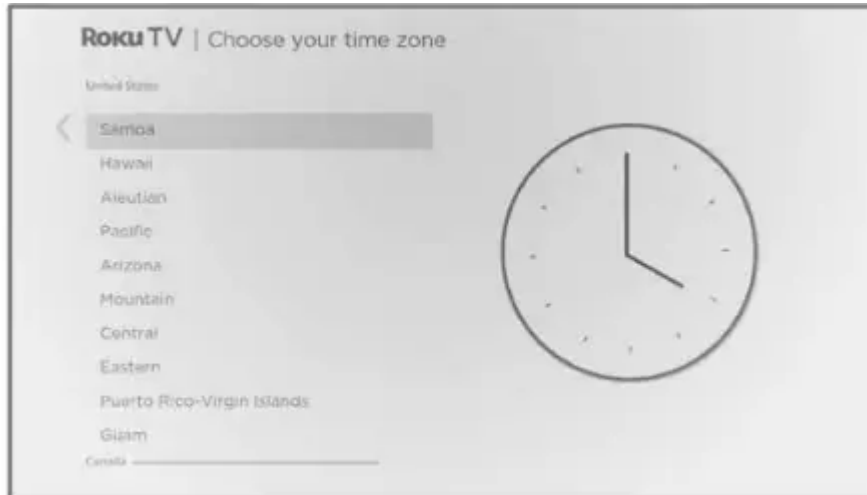
Note: Some networks, such as those often found in dorm rooms, hotels, and other public places, require you to read and agree to terms, enter a code, or provide identifying information before letting you connect to the Internet. If your Roku TV detects that you are connecting to such a network, it prompts you through the connection process using your smartphone or tablet to provide the needed information. For more information, see Using your TV in a hotel or dorm room.

7. Only if you select a password protected wireless network: An on-screen keyboard appears. Enter your wireless network password by using the purple directional pad to navigate the keyboard, and pressing OK to select a highlighted letter, number, or symbol. When you finish, press DOWN to select Connect, and then press OK.



After you select Connect, the TV displays progress messages as it connects to your wireless network, your local network, and the Internet.

8. Only if your TV cannot get the correct time zone and current time from your network service provider: The Choose your time zone screen appears. Press UP or DOWN to highlight your time zone, and then press OK.



Tips: Your TV needs to know the local time zone so that it can correctly display information about the program you are currently watching

Your TV automatically checks for updates periodically. These updates provide new features and improve your overall experience with the TV. After an update, you might notice that some options have moved, and that there are new options or features. This User Guide describes version 10.5. To determine your current Roku TV software version, go to Settings > System > About after you complete Guided Setup. You can download an updated User Guide that matches your Roku TV software version from the Roku TV web site.

Activation

After the TV restarts, it prompts you through activation.

9. Use a computer, tablet, or smartphone with an Internet connection to link to a new or existing Roku account.

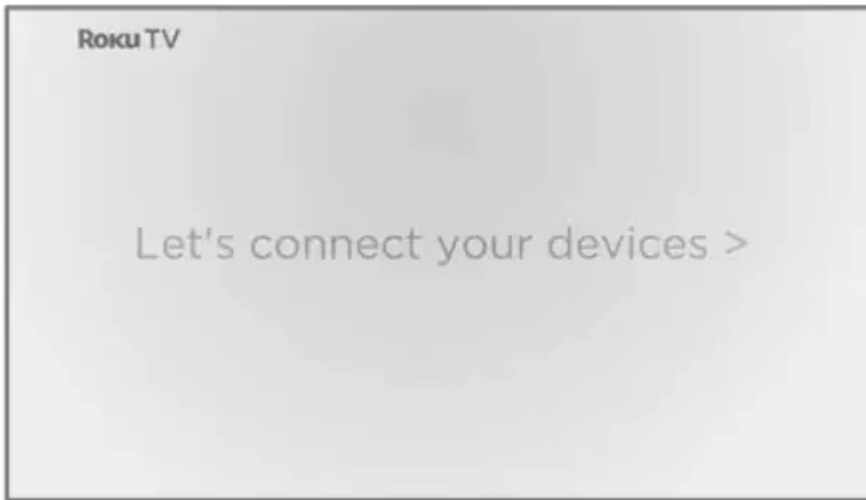
Note: Roku does not charge for activation support – beware of scams. For detailed information, see How do I protect myself from activation and technical support scams?

After you activate your TV, the TV gets an acknowledgement, and then adds your newly-selected and pre-existing streaming channels from other Roku devices on the same account. This process is automatic and takes a few moments—a little longer if you have added a lot of streaming channels.

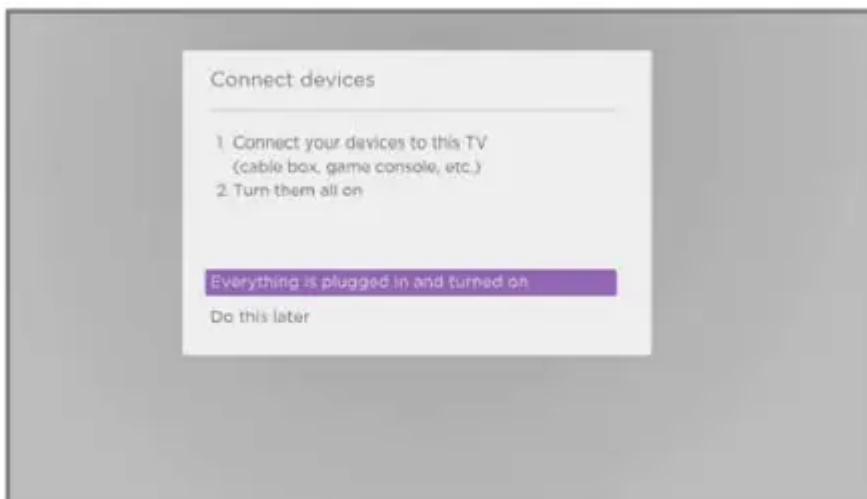
Tip: Streaming channels from all of the Roku streaming devices associated with your account are synchronized periodically. All of your Roku streaming devices therefore display the same set of channels (subject to compatibility with the device).

Connect your devices

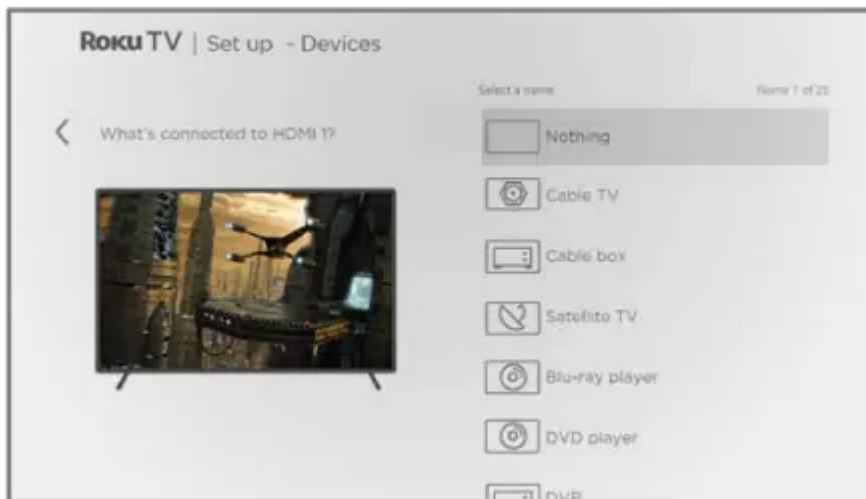
Next, Guided Setup helps you set up the external devices that you want to use with it, such as a cable box, Blu-ray™ player, or game console.



10. Press OK to proceed:



11. Connect all the devices you plan to use with your TV, turn them all on, and then select Everything is plugged in and turned on. The TV now takes you step by step through each of its inputs and asks what kind of device you have connected. For each input that has a connected and active device, you can see its picture and hear its sound.



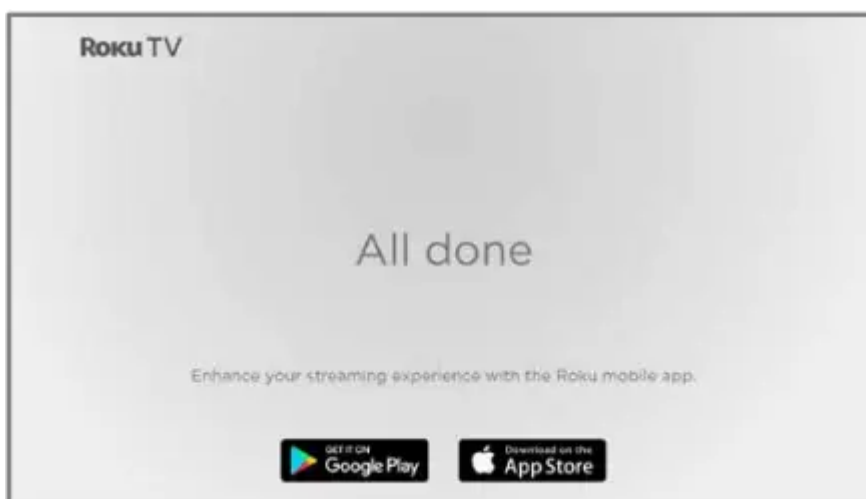
12. Press UP or DOWN to highlight the label you want to associate with the input, and then press OK. If you are not using the input, select Nothing, and the input won't appear on the Home screen.


13. While setting up your devices, rather than using the predefined names and icons, you can set a custom name and icon. To do so, scroll up or down to highlight Set custom name & icon, and then press OK. Follow the instructions on the screen to enter a name and select an icon for the input. See Rename inputs for more information.

Note: If you specify a custom name for an input, voice commands will not reliably switch to that input. Voice commands typically can only switch among inputs that use built-in names, such as "AV," and "Cable Box," and "DVR."

14. Repeat the previous step for each input.

You're done with Guided Setup.



Note: Some Roku TVs, depending on where you live and other factors, show you an introductory video filled with some great hints and tips. If you're not interested in viewing this video, press HOME  on the remote to go to the Roku TV Home screen.

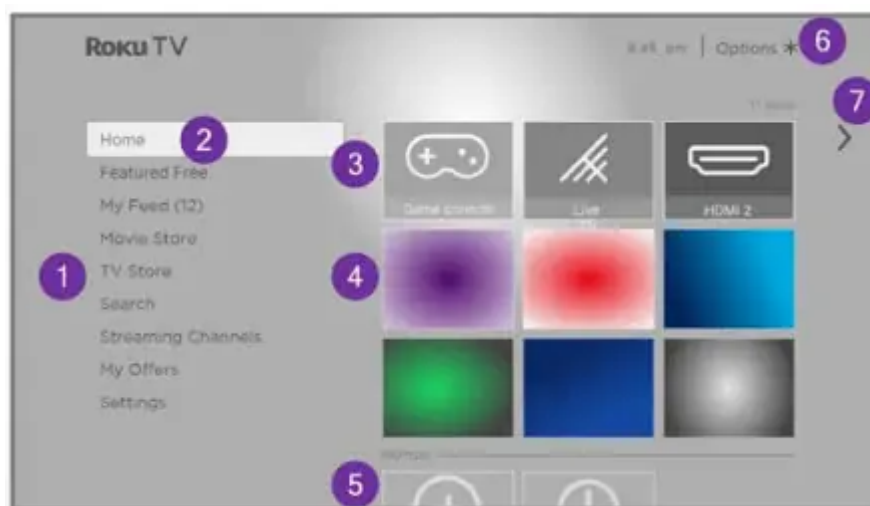
Whenever you press HOME  , the Home screen greets you.

From here, you can explore everything your TV has to offer. Use the purple directional pad to move around, and then press OK to select a highlighted item. We've designed the TV to encourage you to explore, and you can probably figure out most of the capabilities and settings on your own. If you have any questions or difficulties, you can find answers and solutions in this guide.

The Home screen

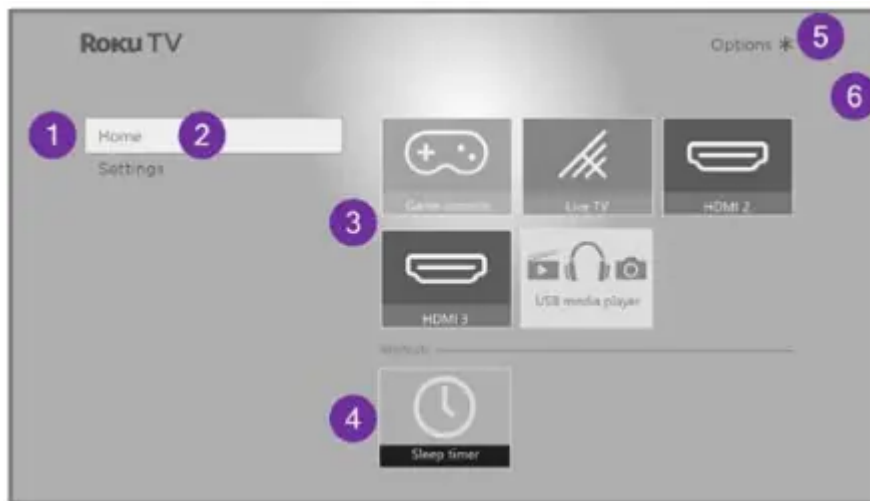
The following illustrations show typical Home screens, which vary depending on location, connected mode, selected theme, number of TV inputs enabled, and streaming channels and apps added.

Note: A paid subscription or other payments may be required for some channel content. Channel availability is subject to change and varies by country. Not all content is available in countries or regions where Roku® products are sold



Typical connected Home screen

1. Home screen menu—shows options available to you when you are on the Home screen.
2. Highlighted option—press OK to select.
3. TV input tiles—select an input to watch the connected device.
4. Streaming channel and app tiles—select a tile and press OK to go to the indicated streaming channel or application. You can add any number of channels from the Roku Channel Store.
5. Direct access tiles – shortcuts to often used features.
6. Options hint—press STAR * to see options when this symbol is present.
7. Next screen hint—press RIGHT to see the next screen.



Typical non-connected Home screen

1. Home screen menu—shows options available to you when you are on the Home screen.
2. Highlighted option—press OK to select.
3. TV input tiles—select an input and press OK to watch the connected device.
4. Direct access tiles – shortcuts to often used features.
5. Options hint—press STAR * for options when this symbol is present.
6. Next screen hint—press RIGHT to see the next screen.

Personalize your Home screen

There are many things you can do to personalize your Home screen and make it just right for you and your family:

- Only in connected mode: Add streaming channels by using the Streaming Channels menu option or the Add Channels shortcut to browse the Roku Channel Store.
- Only in connected mode: Change the screen theme by going to Settings > Themes to find and pick one to suit your mood.
- Customize the Home screen. Hide or show the shortcut tiles that appear at the bottom of your Home screen grid. Only in connected mode, hide Featured Free or hide Movie Store and TV Store.
- Remove a tile by highlighting it and pressing STAR *. Then highlight Remove input or Remove channel and press OK.
- Move a tile by highlighting it and pressing STAR *. Then highlight Move input or Move channel and press OK. Use the purple directional pad to move the tile, and then press OK to lock it in its new location. Move the shortcut tiles within the shortcut area only. Shortcuts are designed to always appear at the very bottom of

the grid, so you can access them quickly by pressing UP once when you're at the top of the grid.

- Only on channels that you have subscribed through your linked Roku account, manage your subscriptions by highlighting a streaming channel tile and pressing STAR ✱. Then highlight Manage subscription and press OK. Select Cancel subscription and then follow the instructions to confirm your cancellation.
- Rename a TV input tile by highlighting it and pressing STAR ✱. Then highlight Rename input and press OK. Highlight a new name in the list, and then press OK to assign that name to the tile.

Rather than using the predefined names and icons, you can set a custom name and icon. To do so, scroll up or down to highlight Set custom name & icon, and then press OK. Follow the instructions on the screen to enter a name and select an icon for the input.

Note: If you specify a custom name for an input, voice commands will not reliably switch to that input. Voice commands typically can only switch among inputs that use built-in names, such as "AV," and "Cable Box," and "DVR."

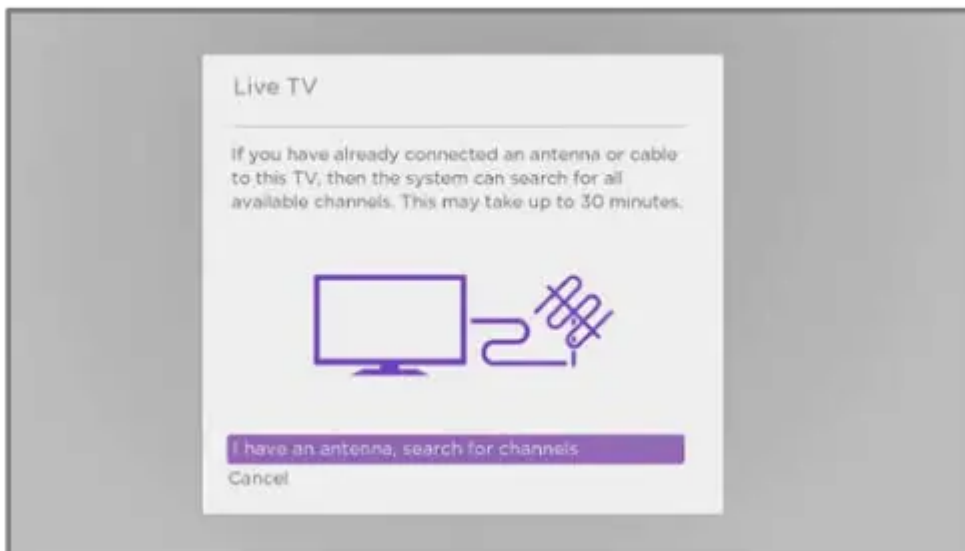
Setting up live TV

In addition to the other entertainment possibilities of your Roku TV, you might want to watch broadcast channels from an antenna or cable TV provider connected to the ANT/CABLE input. On your Roku TV, you can watch broadcast TV in much the same way you watch other entertainment choices: select the Live TV tile from the Home screen.

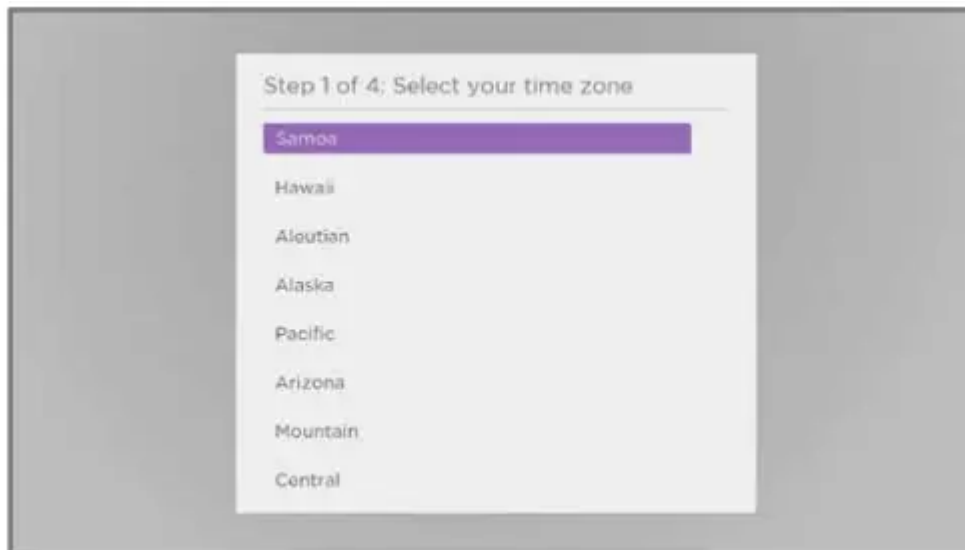
The first time you select the Live TV tile, you have to set up the TV tuner. Setting up the TV tuner scans for active channels and adds them to your Live TV channel list.

How do I set up the TV tuner?

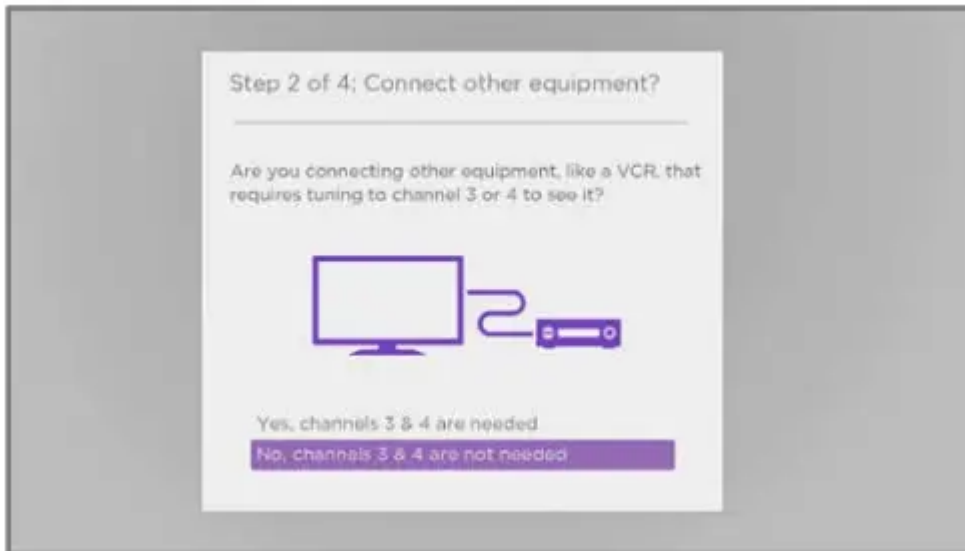
1. Make sure your antenna or TV cable (not provided) is connected to the TV's ANT/CABLE input.
2. On the Home screen, select the Live TV tile. If it is not on your Home screen, go to Settings > TV Inputs to add it.
3. Read the simple on-screen instructions, and then select Start finding channels.



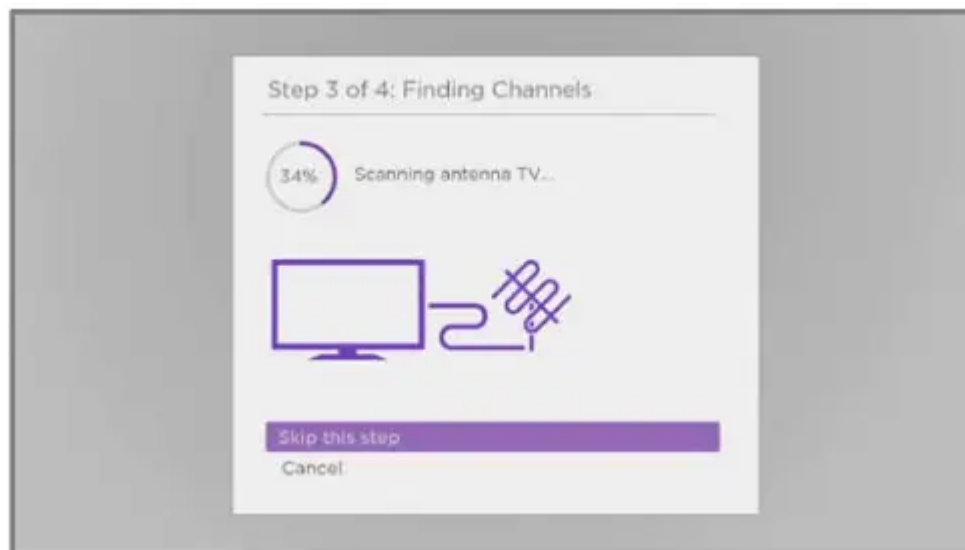
4. If prompted, select your time zone. You'll only need to do this if the TV can't figure out your time zone from your Internet connection.



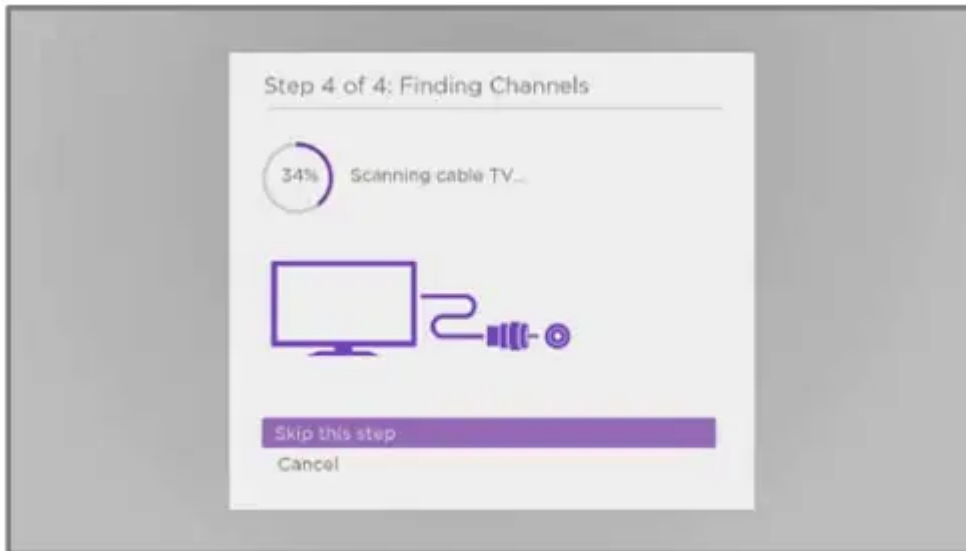
5. When prompted, select whether to add analog channels 3 and 4. These channels enable you to connect older set top boxes, VCRs, or game consoles.



6. Wait while your TV scans for antenna channels ...



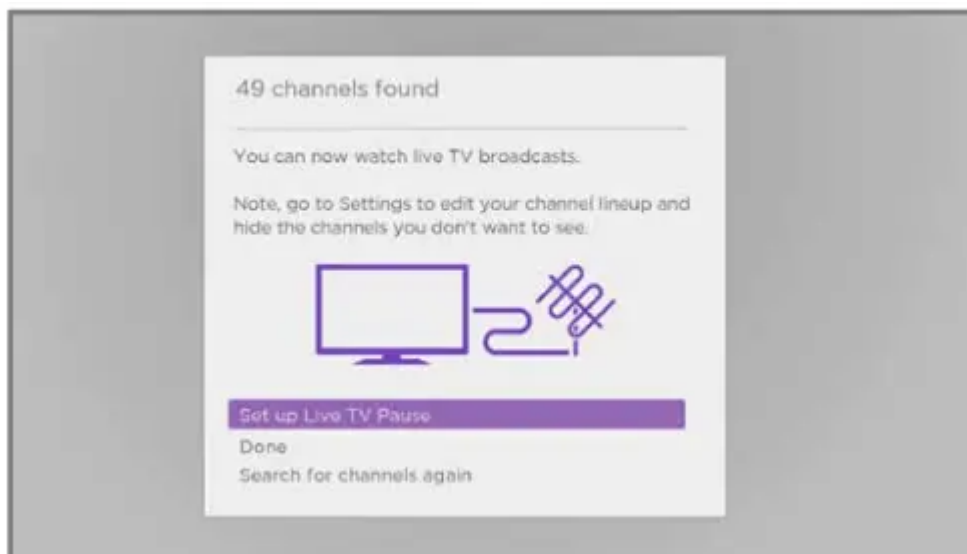
... and then cable TV channels.



Scanning for channels can take several minutes.


Tip: If you don't have a cable TV provider, or if you use a set-top box to receive cable TV channels, you can save time by skipping the cable TV portion of the channel scan.

7. When the channel scans finish, the TV shows the number of channels it added.






8. Only in connected mode, you have the option of setting up Live TV Pause. Pausing live TV explains how to set up and use this feature. If you don't want to set up Live TV Pause, or if this option is not available to you, select Done to start watching live TV.

Tip: Repeat the channel scan from time to time to make sure you are receiving all of the latest channels. Broadcasters and cable providers add and remove channels, move channels to different parts of the spectrum, and change the power levels of their channels periodically. Your reception

and picture quality depend on the position of your antenna and on your location relative to the antennas of broadcasters in your area. To repeat the channel scan, use the purple directional pad to highlight the Live TV tile, press STAR , select Scan for channels, and then press OK.

You'll also have to repeat the channel scan if you remove and re-add the Live TV tile from the Home screen or perform a factory reset.

Now, you're ready to watch live TV! While you're watching, try the following tips:

- Press UP or DOWN to change channels.
- Press LEFT to display the channel list (non-connected mode) or Live TV Channel Guide (connected mode), and then press UP or DOWN to select a channel to watch. Or press REWIND  or FAST FWD  to jump through the channel list or Live TV Channel Guide a page at a time.
- Press OK to display information about the current program.
- Press STAR  to see options for picture and sound settings.
- Only in connected mode, use a Roku Voice remote, the Roku mobile app, Google Assistant, or Amazon Alexa to search for programs by title, actor, director, or genre. The TV or the Roku mobile app displays the results along with the streaming channels that offer the requested content.

Using your TV

This section provides information on using the day-to-day features of your TV.

Status indicator

Your TV has a single status indicator. It goes on and off and blinks in different ways depending on the status of the TV, as shown in the following table:

TV CONDITION	STATUS INDICATOR	MEANING
On (screen is active)	Off	Screen is communicating that TV is on.
Screensaver (screen is active)	Off	Screen is communicating that TV is on.
Off (no power)	Off	TV is not connected to power.
Off (standby)	On	TV is connected to power and is ready to use.
Starting up from off state	Slow pulsing blink until startup completes	TV is doing something.
On (receiving update from USB)	Slow pulsing blink until update completes	TV is doing something.
Remote command received	Dims on/off once	TV has received your command.
Network connection lost	Two short blinks, pause, repeat	TV was connected and paired with a Roku account and now has no network connection.
Powering down to standby mode	Slow pulsing blink until the TV reaches standby.	TV is doing something.

Standby mode energy savings

When you turn off your TV, it remains in a higher power mode for a few minutes, after which it goes into a very low power standby mode. If you turn on the TV again before it has entered the very low power mode, it turns on immediately. After the TV goes into the lower power standby mode, it takes a few seconds longer to start up.

Only in connected mode, you can optionally enable Fast TV start. When this option is enabled, your TV starts up almost immediately regardless of how long it has been turned off, but uses somewhat more power in standby mode. Fast TV start also gives you access to some additional features, such as turning on the TV with voice commands and turning off the screen when listening to music. For more information, see Fast TV start.

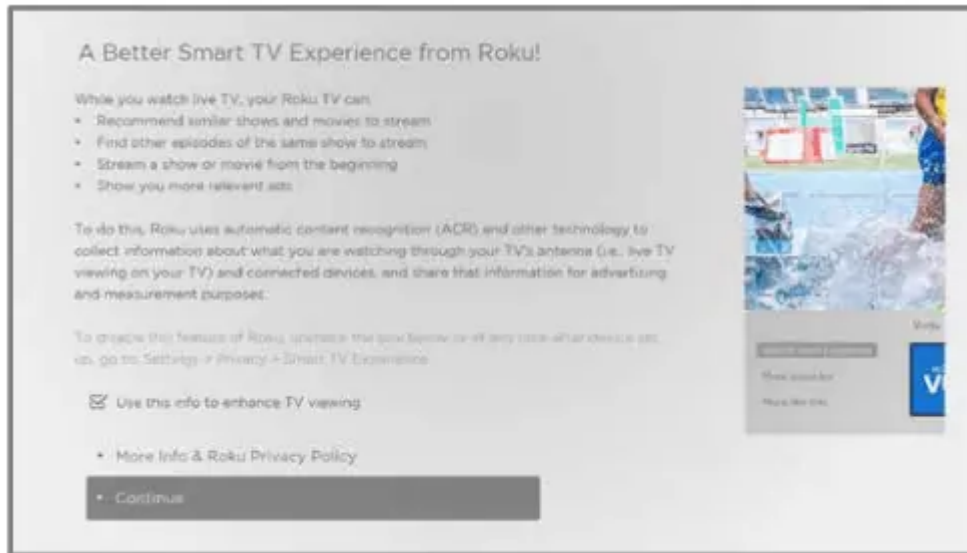
Getting help

Only in connected mode, you can get two different types of help:

- Tips and tricks videos: From the Home screen menu, navigate to Settings > Help and select Roku Tips & Tricks.
- Help with Roku voice: Navigate from the Home screen menu to Settings > Help and select Voice help. Or from your Roku voice remote or the Roku mobile app, press VOICE and say "Help."

Opting in to Smart TV experience

Only in connected mode, the first time you select live TV, an HDMI input, or AV input, your TV offers to enable the Smart TV experience. If you decide to enable it at this time, you're all set to enjoy its recommendations and features.



The Smart TV experience uses automatic content recognition (ACR) and other technology to collect information about what you watch on live TV, and on devices like media players and cable boxes connected to the HDMI or AV inputs. Opting in means that you give permission to analyze the programs you watch for the purpose of making recommendations, as well as showing ads that are more relevant to you.

If you decide not to enable the Smart TV experience at this first opportunity, you can enable it later. Or, if you decide you'd rather not use the feature, you can disable it, but be aware that previously collected information is retained and not deleted.

Disable Smart TV experience

If you decide you want to disable Smart TV experience, follow these steps:

1. From the Home screen menu, go to Settings > Privacy > Smart TV experience.
2. Navigate to the right to highlight Use info from TV inputs.
3. Press OK on the remote to clear the check box.

Disable Auto Notifications

If you want to keep the Smart TV experience enabled, but you do not want to see notifications while you are watching programs, you can disable notifications. To do so, follow these steps:

1. From the Home screen menu, go to Settings > Privacy > Smart TV experience.
2. Navigate to the right to highlight Use info from TV inputs.
3. Press DOWN to highlight Enable auto notifications.

4. Press OK to clear the check box.

Note: These settings do not affect recommendations for More Ways to Watch that you see in the Live TV Channel Guide when watching live TV channels. Those recommendations show up only in the Live TV Channel Guide and do not rely on ACR technology

Watching live TV channels

Select the Live TV tile in the Home screen. Your TV remembers the last channel you watched and starts with that channel playing.

Changing channels

To change channels, you can do any of the following:

- Press UP to change to the next higher channel.
- Press DOWN to change to the next lower channel.
- Press LEFT to display the channel list (in non-connected mode) or Live TV Channel Guide¹ (in connected mode), and then press the arrow keys to select the channel or program you want to watch. Press REWIND ◀◀ or FAST FWD ▶▶ to move through the list one page at a time. When you've highlighted the channel or program you want to watch, press OK. (If you decide you don't want to change channels, press BACK ◀.)
- Only if Live TV Pause is not enabled, press REPLAY ↺ to jump to the previous channel. Press again to return to the channel you were watching before you pressed REPLAY ↺.

Note: If REPLAY ↺ is not available on your remote, you can use this feature in the Roku mobile app. For more information, see Roku mobile app.

Using the Live TV Channel Guide

Only in connected mode, use the Live TV Channel Guide to find both over-the-air and live streaming TV programs. The Live TV Channel Guide lets you scroll through all the TV channels you receive (except those you have hidden, if any), plus a large number of live streaming programs. You can see what's on right now and the upcoming 14 days.

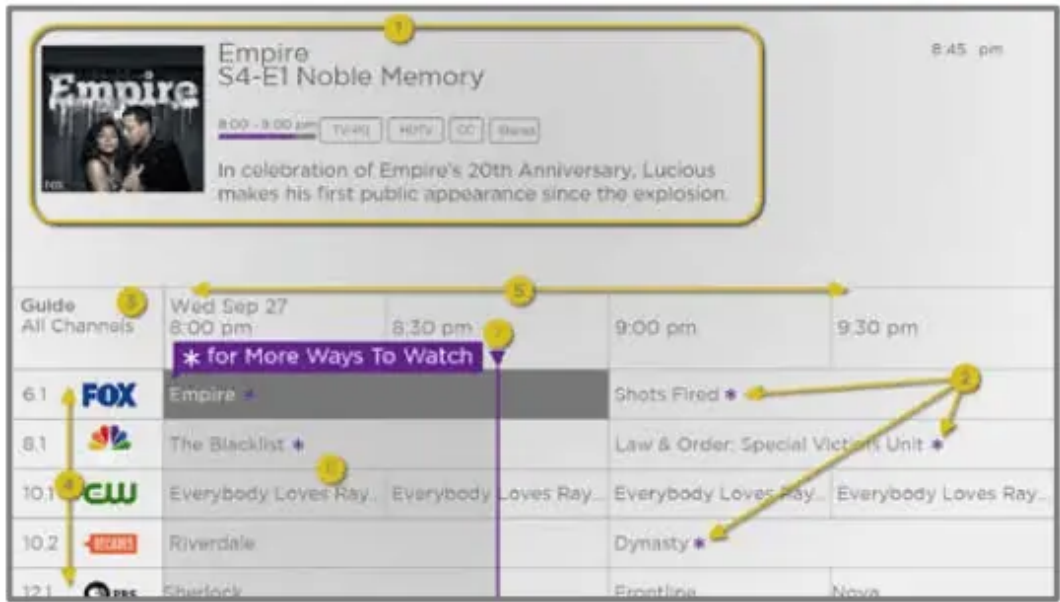
For live, over-the-air TV programs, you can use More Ways to Watch to find the program you're watching and start watching it from the beginning from one of your streaming channels. Your clue that there are More Ways to Watch a program is a purple star (*) next to the program name in the guide.

For example, you might turn on your TV at 10 minutes past the hour and discover you are missing the current episode of Empire. But there is a purple star next to the program title, so you can press STAR * and find that there are several streaming channels where you can watch the current

episode from the beginning. You also can find more episodes of Empire, and other programs that have a similar theme.

Note: A paid subscription or other payments may be required for some streaming channels.

To open the Live TV Channel Guide, press LEFT while watching live TV. It opens with the name of the current program highlighted, and a lot more information.







1. Program information for the highlighted program. See Viewing program information for details.
2. More Ways to Watch indicator. See More Ways to Watch for more information.
3. Channel filter. Currently set to All Channels.
4. Channel list. Navigate UP or DOWN.
5. Time slots. Navigate LEFT or RIGHT. Press FAST FWD ► or REWIND ◀ to skip ahead or back a screen at a time.
6. Program list. Shaded area is prior to the current time.
7. Progress bar. Shows the current time within the listed programs.


When you are viewing the current time slot, notice that the Live TV Channel Guide shows a light gray background for portions of programs before the current time, and a dark background for programs and portions of programs that have not yet aired. The line dividing these two zones is the progress bar.

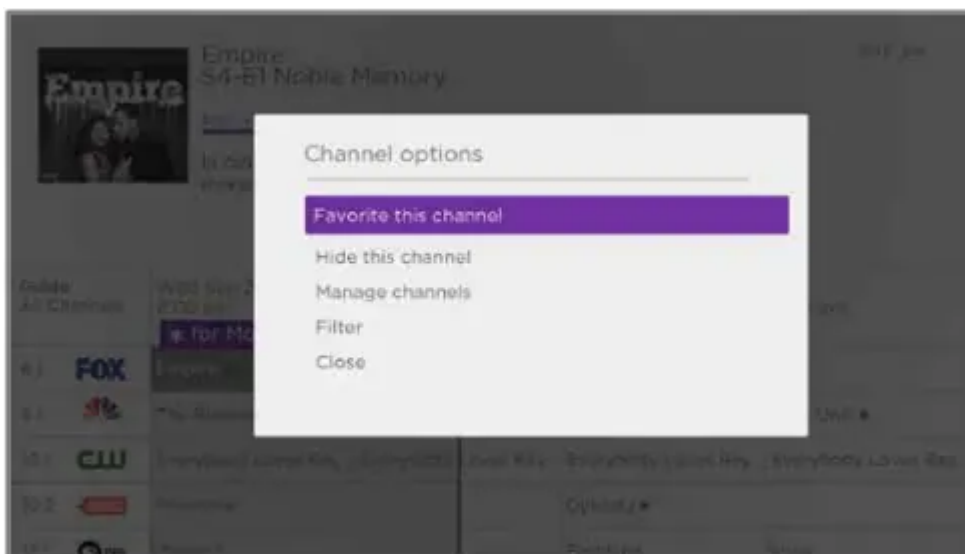
Navigating the Live TV Channel Guide in connected mode

- Use the purple directional pad to move up, down, left, and right.
- To switch to a program that is currently in progress, highlight it, and then press OK. (Note that pressing OK on a past or future program does nothing.)

- To return to the current time after navigating to a different time slot, press REPLAY .
- To return to the currently airing program without causing a channel change, press BACK .
- To see More Ways to Watch, highlight any program that has a purple asterisk (*), and then press STAR . While using the Live TV Channel Guide, navigate all the way to the left so that a channel number is highlighted, and then press STAR  to open the Channel options dialog.

Changing channel options in connected mode

Only in connected mode, while using the Live TV Channel Guide, navigate all the way to the left to the channel number column, and then press STAR  to open Channel options.



Favorite/Unfavorite this channel – Select this option to make the selected channel a favorite. Select again to remove the channel from your favorites. Use the Filter option to show only favorite channels.

Hide/Unhide this channel – Select this option to hide the current channel. Select again before moving on to unhide the channel if you hid it by mistake. But note that once you close the dialog, you cannot access the channel to unhide it. Instead, use the Manage channels option to unhide hidden channels.

Manage channels – Opens the Manage Channels menu where you can edit the channel lineup and mark certain channels as favorites. See Manage channels.

Filter – Opens the Filter dialog where you can choose to see:

- All Channels – Show all channels that you can receive.
- Recents – Show only recently tuned channels in the order in which you watched them.


- Favorites – Show only channels you have marked as favorites.

Adjusting TV settings

You can adjust most picture and sound settings while you are watching a program by pressing STAR * to open the TV settings menu. There are some additional picture and sound settings in the main Settings menu.

In most cases, the changes you make apply only to the input you are using. Live TV, each HDMI® input, and the AV input have their own settings that the TV remembers when you return to that input. The TV also separately remembers the settings you specify while viewing streaming content.

Main Settings menu

Use the main Settings menu to adjust overall TV settings. Press HOME  to go to the Home screen, and then navigate to Settings > TV picture settings.

You can adjust the following overall TV picture settings from the Settings screen:

- TV brightness – Provide a better viewing experience in darker or brighter rooms. Increases or decreases the TV's general brightness across all TV inputs.

Note: This setting is identical to the TV brightness setting you can access in the TV settings menu while watching a program.

- HDR/Dolby Vision notification – Only on select models: Controls whether the TV displays a notification in the upper right corner of the screen for a few seconds when HDR or Dolby Vision™ content begins to play.
 - On – The TV displays a notification when HDR or Dolby Vision™ content begins to play.
 - Off – The TV does not display a notification when HDR or Dolby Vision™ content begins to play.

Note: This setting does not affect the HDR or Dolby Vision™ notification that always appears in the program information banner. Press OK while watching a program to open the program information banner.

- Settings per input – Lists each enabled TV input. Select an input, and then press STAR * to display the TV settings menu where you can adjust the input's settings while watching the video and listening to the sound from that input.

Tip: You don't have to go to the main Settings menu first—you can display an input's TV settings menu and adjust its settings whenever you are watching the input by pressing STAR *.

Sound settings

Your TV model might have any one of the following premium sound settings available in the TV settings menu:

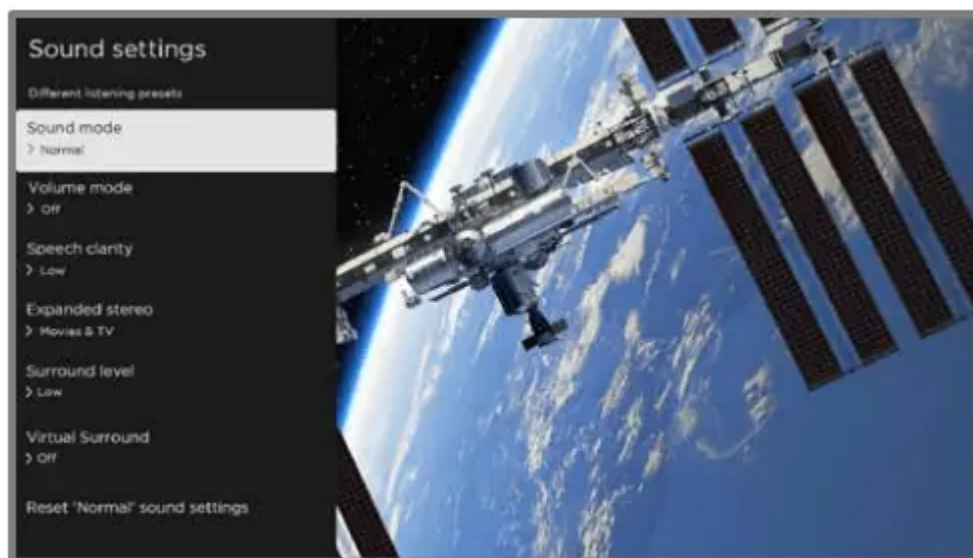
- No Sound settings
- Roku premium audio devices
- Volume mode
- Dolby® Audio Processing
- DTS® TruSurround
- DTS® Studio Sound
- Sonic Emotion™ Premium

Roku premium audio devices

You can purchase and connect any of several Roku premium audio devices to the HDMI ARC or HDMI eARC port on any model of Roku TV. When you do, you can put away the remote control for that device, because the Sound settings menu on the TV provides direct access to the sound settings of the connected Roku device. These settings replace the sound settings that might be available when the Roku premium audio device is not connected.

Tip: The TV automatically hides the HDMI port to that you have used to connect your Roku premium audio device on the basis that you never will need to worry about accessing it directly. If you want to access the soundbar directly rather than through your Roku TV, you can add the hidden HDMI ARC or HDMI eARC input to your Home screen.

To access Roku premium audio settings, first press STAR * to display the TV settings menu, then select Sound settings.



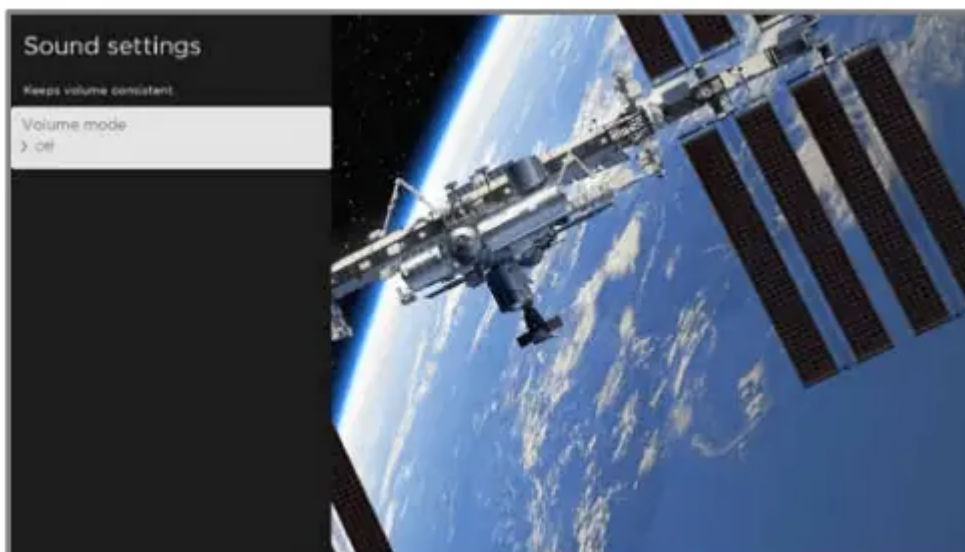
Sound settings menu for Roku premium audio devices

Sound settings menu – Roku premium audio

- Sound mode – Select from among various preset sound modes to make shows and music sound their best. This setting applies across the entire TV; that is, to all TV inputs.
- Volume mode – Select from among modes for normal listening, volume leveling, and night listening.
- Speech clarity – Select Off, Low, or High to make voices easier to hear above the rest of the program.
- Expanded stereo – Select one of the available settings to simulate surround sound or, only with Roku wireless speakers in a 3.x or 5.x surround configuration, to play stereo sound from all speakers.
- Surround level – Only if you have Roku wireless speakers in a 3.x or 5.x surround configuration, this option lets you select the surround volume level to your liking.
- Virtual surround – When you do not have Roku wireless speakers in a surround configuration, this option enhances the stereo sound from the soundbar to simulate surround sound.
- Dolby AC-4 Dialog Enhancement – Only on select models: Select On for AC-4 to enhance the dialog in content that supports the AC-4 audio format.
- Reset sound settings – Returns all sound settings to their defaults.

Volume mode (select models only)

To access Volume mode, first press STAR * to display the TV settings menu, then select Sound settings.



Sound settings menu for models with Volume mode

Tip: Some streaming channels assign STAR * to a different function, meaning it will not open the TV settings menu. In these cases, use a different channel, such as The Roku Channel, to set the Volume mode. The selected mode remains active for all streaming channels

Sound settings menu - Volume mode

- Volume mode
 - Off – Volume mode is inactive and content volume is unmodified.
 - Leveling – Provides a consistent volume level across different types of content, so that you need not change the volume every time you switch channels or when a commercial comes on.
 - Night – Soft sounds, such as whispers, are increased while loud sounds, such as explosions, are decreased, making it easier to hear your TV at night without disturbing others.
- Dolby AC-4 Dialog Enhancement – Only on select models: Select On for AC-4 to enhance the dialog in content that supports the AC-4 audio format.

Featured Free

Only in connected mode, use Featured Free to discover content that is free to watch.

As you browse through the programs, the featured channel's icon appears in the upper left corner of the screen. Use the purple directional pad to highlight a program, and then press OK to see more information about it.

Once you are viewing a program's details, press OK to start playing the program. If you've already added the channel, you'll be taken directly to the channel and the program will begin to play. If you have not added the channel, it will be added for you before playing the program.

If you don't want to see Featured Free on the Home screen menu, you can hide it.

To hide Featured Free:

1. From the Home Screen menu, navigate to Settings > Home screen, and then press RIGHT.
2. Select Featured Free.
3. Highlight Hide, and then press OK.

Parental controls

Parental controls enable you to control whether the members of your household can view certain kinds of broadcast TV programs. When a program or feature is blocked, you can unblock it by entering a parental control PIN that only you know.

Note: Parental controls block content from the TV tuner and from streaming options, if any, on the Home screen menu. Parental controls do not block content on other TV inputs or content from streaming channels you add to your TV.

Creating a parental control PIN

The first time you access the Parental controls screen, you must create a new parental control PIN. Thereafter, whenever you want to change parental control settings, unblock programming that has been blocked, change the PIN, or disable parental controls, you must enter your parental control PIN.

Tip: Your parental control PIN has no connection to your Roku account PIN. You can make them the same if you want—this is entirely your choice

To create a new parental control PIN, from the Home screen menu navigate to Settings > Parental controls. The screen displays a numeric keypad. Use the purple directional pad to enter a four-digit code, and then press OK. Then repeat the process to enter the same PIN again, just to make sure you correctly entered the PIN you want to use.

Important: If you forget your parental control PIN, the only way to recover is to perform a factory reset operation, as explained in [Factory reset everything](#)

Blocking broadcast TV programs

For broadcast TV, parental controls use information embedded in the broadcast signal to determine whether to allow a program to be displayed. Parents can configure parental controls to block broadcast TV programs that meet or exceed a specific rating, so they cannot be viewed or heard unless the correct parental control PIN is entered.

Note: Rating standards differ by country.

Enabling parental control of TV programs

The first step in blocking TV programs is to enable parental control of TV programs.

This setting is provided separately to make it easier for you to turn parental control of TV programs on and off without disturbing their settings. For example, your kids are going to summer camp for two weeks, and while they are gone, you don't want to have to deal with unblocking programs that you want to watch by entering your parental control PIN. All you need to do is clear Enable parental controls, and all TV programs are unblocked. When the kids return, select Enable parental controls again, and all of your parental control settings are restored in a single operation.

To enable parental control of TV programs:

1. In the Home screen menu, navigate to Settings > Parental controls, and then enter your parental control PIN.
2. In the Parental controls screen, navigate to TV tuner > Parental control of TV shows.

3. Make sure the check box next to Enable parental controls is checked. If not, highlight it and press OK.

What happens when a TV program is blocked?

After you've set up parental controls, TV programs and movies are blocked:

- When you change channels and the new channel is playing a program whose rating exceeds your settings.
- When a new program comes on the channel you are watching and its rating exceeds your settings.

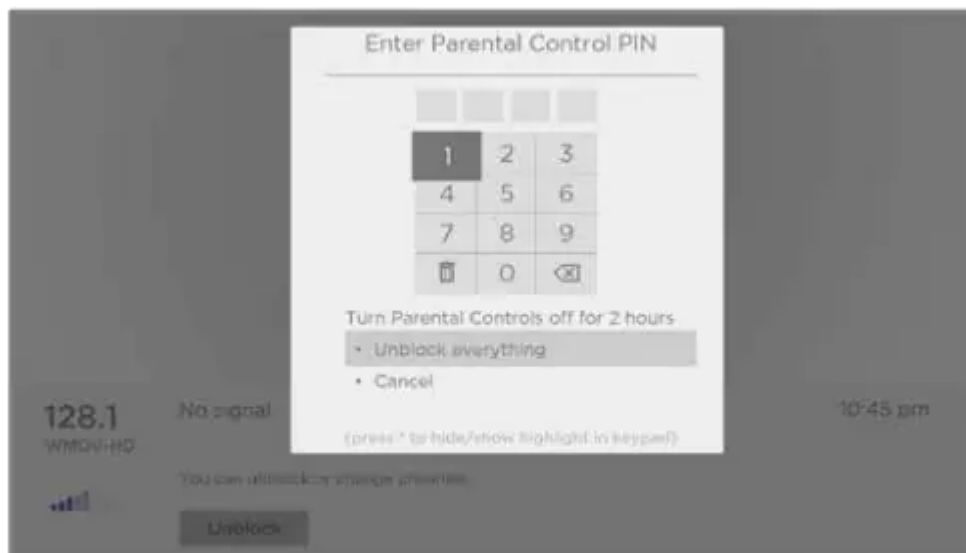
When a program is blocked by parental control settings, the TV displays a blocked message:



Whenever this blocked message appears, both the video and audio of the program are blocked, as well as program data that would normally appear in the area at the bottom of the screen. Only in connected mode: program title and information show as “Blocked” as well.

To watch the blocked program, you need to know the PIN code defined when you enabled parental controls, as explained in Creating a parental control PIN.

1. Press OK to select Unblock. The Parental Control PIN pad appears.



2. Use the purple directional pad to enter your parental control PIN code, and then press OK to select **Unlock everything**.

Tip: To shield your parental control PIN from others in the room, press STAR * to hide the highlighted number. When you hide the highlight, you will have to count key presses to keep track of which number is selected.

After unblocking programs that have been blocked, all blocking is disabled for two hours or until you turn off the TV.

Changing the parental control PIN

To change your parental control PIN:

1. From the Home screen menu, navigate to **Settings > Parental controls**, and then enter your parental control PIN.
2. In the Parental controls screen, highlight **Change PIN**.
3. Move the highlight into the adjacent keypad, and then use the purple directional pad to enter a four-digit code, and then press OK. Then repeat the process to enter the same PIN again, just to make sure you correctly entered the PIN you want to use.

Resetting parental controls

So now your kids have grown up and gone away to college, and you no longer want to deal with blocked programs.

To erase all parental control settings:

1. From the Home screen menu, navigate to **Settings > Parental controls**, and then enter your parental control PIN.
2. In the Parental controls screen, highlight **Reset parental controls**.

3. Follow the instructions on the screen to confirm that you want to erase all parental control settings.

Tip: Resetting parental controls also erases your parental control PIN.

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.

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