

## Connections and setup

Refer to your TV's Quick Start Guide or other provided documentation for model-specific information about attaching the base or a wall mount and making connections to AC power and to your other audio/video devices. The following information applies to all TCL Roku TV models.

### 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 device 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 IN (ARC)** has the additional ability to use the audio return channel to send digital audio to a receiver or sound bar, as explained in Connecting an AV receiver or digital sound bar.



## Connecting headphones or an analog sound bar to the TV

You can connect headphones or an analog sound bar (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 sound bar to control the TV volume. To turn off the TV's built-in speakers, in the Home screen menu, navigate to **Settings > Audio > TV speakers** and change the setting.



### Connecting an AV receiver or digital sound bar

You can enjoy Dolby Audio™ multichannel sound from your TV if you connect a digital amplifier or sound bar (not provided) in either of two 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 sound bar.
- **HDMI® ARC** – Connect an HDMI® cable (not provided) from the **HDMI (ARC)** connector to the HDMI® input on your receiver or sound bar. This connection uses the Audio Return Channel (ARC) feature of the HDMI® specification 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 Enable HDMI® ARC.



## Preparing for Internet connectivity

If you want to watch streaming content and take advantage of the cool features of your TCL 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 4K models have wired in addition to 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 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.




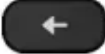


## TCL Roku TV remote







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

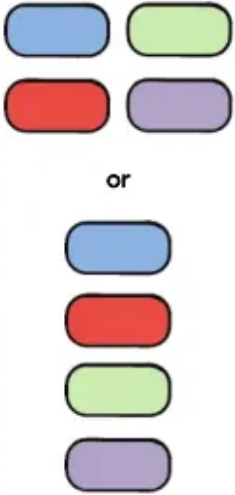

Note: Certain remote buttons and features vary by model. Your remote might not have all buttons or features listed.

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

The Roku voice remotes have additional capabilities as described in the following table

BUTTON	FUNCTION	DESCRIPTION
	POWER	Turns TV on and off.
	BACK	<ul style="list-style-type: none"> <li>• Menu: Goes back to previous menu/screen.</li> <li>• Home screen tile: Moves highlight back to the Home screen option.</li> <li>• Watching Antenna TV or a TV input: Returns to Home screen.</li> <li>• Playing streaming content: Stops playing stream and returns to the previous menu or screen.</li> <li>• Browsing streaming content: Goes to the previous level in the content tree.</li> </ul>
	HOME	Immediately returns to the Home screen.
	PAD	<ul style="list-style-type: none"> <li>• <b>LEFT/RIGHT/UP/DOWN</b> moves the highlight in the corresponding direction.</li> <li>• <b>OK</b> selects the highlighted option.</li> </ul> <p>While watching TV:</p> <ul style="list-style-type: none"> <li>• <b>UP/DOWN</b> changes channel.</li> <li>• <b>LEFT</b> displays the Smart Guide (connected mode) or channel list (non-connected mode).</li> <li>• <b>LEFT/RIGHT</b> <i>only on TVs operating in non-connected mode</i>, while in the channel list switches between All Channels and FAVORITE CHANNELS.</li> <li>• <b>OK</b> while in the channel list selects the highlighted channel.</li> </ul> <p>While watching live TV: displays the program information banner.</p>

	<b>VOICE SEARCH and VOICE COMMANDS</b>	<p><i>Only in the United States on select models with Roku voice remotes.</i> Hold and say the name of a movie, TV show, actor, or director to search across many streaming and Antenna TV channels. Say a command to start streaming, change a channel, and more. For more information, go to:</p> <p><a href="http://go.roku.com/voicesearch">go.roku.com/voicesearch</a></p>
	<b>GAME MODE</b>	<p><i>Select models.</i> Displays a banner showing the current Game mode or <b>Not available at this time</b>. Subsequent presses toggle Game mode. When <b>On</b>, the TV performs less image processing and has less input lag, producing a better experience with action games. <i>Available only for HDMI and AV inputs.</i></p>
	<b>INSTANT REPLAY</b>	<p><i>Select models.</i> Streaming programs that support this feature and Antenna TV channels: if Live TV Pause is enabled, jumps back a few seconds with each press and resumes playing.</p> <p>Broadcast TV: If Live TV Pause is disabled, jumps to previous channel.</p> <p>When using an on-screen keyboard: Backspaces in the text you are entering.</p> <p>Smart Guide: Returns to the current day and time.</p>
	<b>SLEEP</b>	<p><i>Select models.</i> Displays a banner showing the remaining sleep time, if any, or <b>Sleep timer is off</b>. Subsequent presses cycle among the preset sleep time intervals. Once set, the sleep timer remains in effect regardless of what you are watching.</p>
	<b>MEDIA PLAYBACK CONTROLS</b>	<p>Rewind, pause, play, and fast forward streaming content and Antenna TV channels (if Live TV Pause is enabled).</p> <p>Press <b>REWIND</b> or <b>FAST FORWARD</b> one, two, or three times to control the speed of the operation.</p> <p><b>REWIND</b> and <b>FAST FORWARD</b> also jump backward and forward one page at a time when viewing long lists, such as when you are browsing Antenna TV shows in the channel list or Smart Guide (U.S. only).</p>
	<b>OPTIONS</b>	<p>Displays additional options when available. On-screen hints let you know when this button is active.</p>

	<p><b>PRESET CHANNEL SHORTCUT</b></p>	<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"> <li>• Displays the streaming channel's main page if you have already added the channel to your Home screen.</li> <li>• Displays the streaming channel's sign-up page if you have not already added the channel.</li> </ul>
	<p><b>VOLUME/MUTE</b></p>	<p>Located on the right edge of the remote. Increases/decreases volume and mutes the TV sound.</p> <p><b>Note:</b> <i>If the TV is muted, pressing <b>VOLUME UP</b> unmutes. Pressing <b>VOLUME DOWN</b> does not unmute the sound.</i></p>

## Panel buttons

Your TV has a set of panel buttons that perform simple control functions. The TV panel buttons are not a substitute for the remote, as they do not give you access to all TV functions.

Depending on the model, your TV model has one of several different panel button designs.

Choose the one that applies to your TV from the following list:

- Single button
- Three buttons
- Game-pad style joystick
- Four buttons
- Five buttons (with mute)
- Five buttons (without mute)
- Seven buttons

### Single button

If your TV has this style of panel button, you can perform the following functions:

- Turn the TV on short press.
- Display the Input List: short press when TV is on.
- Select the next input in the Input List: short press while the TV is showing the Input List.
- Dismiss the Input List without changing inputs: no press.

- Turn the TV off the long press.

Short press = less than two seconds

Long press = more than two seconds

No press: = no press within two seconds

### **Three buttons**

If your TV has this style of panel buttons, you can perform the following functions:

- Turn the TV on the middle button, short or long press.
- Volume up: right button when Input List is not active.
- Volume down: left button when Input List is not active.
- Display Input List: middle button, short press when TV is on.
- Highlight the text input in the Input List: right button when Input List is active.
- Highlight previous input in the Input List: left button when Input List is active.
- Select highlighted item in the Input List: middle button, short press, or no press.
- Turn the TV off the middle button, a long press.

Short press = less than two seconds

Long press = more than two seconds

No press: = no press within four seconds

### **Game-pad style joystick**

If your TV has this style of panel button, you can perform the following functions:

- Press in: Toggle between power ON and Standby.
- Press up or down: Increase/decrease the volume.
- Press left or right: Switch inputs. Each press moves the highlight up or down one item. Pausing for a few moments selects the highlighted item.

### **Four buttons**

If your TV has this style of panel buttons, you can perform the following functions:

- Power Turns the power on and off.
- Input: Select among TV inputs. Each press moves down one item. Pausing for a few moments selects the highlighted item.
- Volume +: Increases the volume.
- Volume -: Decreases the volume.

### **Five buttons (with mute)**

If your TV has this style of panel buttons, you can perform the following functions. Note that the order of the buttons might vary from model to model. Examine the panel button labels to determine your TV model's layout.

Power Turns the power on and off.

- Input: Select among TV inputs. Each press moves down one item. Pausing for a few moments selects the highlighted item.
- Volume +: Increases the volume.
- Volume -: Decreases the volume.
- Mute: Mutes and unmutes the sound.

### **Five buttons (without mute)**

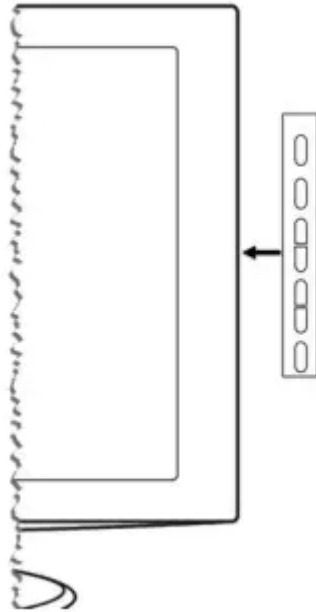
If your TV has this style of panel buttons, you can perform the following functions. Note that the order of the buttons might vary from model to model. Examine the panel button labels to determine your TV model's layout.

- Power Turns the power on and off.
- Input +: Selects the next TV input. Each press moves down one item. Pausing for a few moments selects the highlighted item.
- Input -: Selects the previous TV input. Each press moves up one item. Pausing for a few moments selects the highlighted item.
- Volume +: Increases the volume.
- Volume -: Decreases the volume.

### **Seven buttons**

If your TV has this style of panel buttons, you can perform the following functions. Note that the order of the buttons might vary from model to model. Examine the panel button labels to determine your TV model's layout.

- Input: Select among TV inputs. Each press moves down one item. Pressing Channel + or Channel - moves the highlight up or down. Pausing for a few moments selects the highlighted item.
- Channel +: Moves the highlighted item up in the current menu.
- Channel -: Moves the highlighted item down in the current menu.
- Volume +: Increases the volume.
- Volume -: Decreases the volume.
- Mute: Mutes and unmutes the sound.
- Power Turns the power on and off.



## 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 the POWER button 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'll have to 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 power-on 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.

## Completing Guided Setup

Follow these steps to complete 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 voice remote. (You'll know if you have this type of remote because it will have a microphone or search button just below the down arrow on the purple pad.) If the voice remote does not pair automatically, follow the instructions on the screen to complete the pairing process.

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

**Note:** If you enabled Audio Guide, choosing any language other than English disables it.

2. Press the DOWN arrow on the remote to highlight your preferred language, and then press OK or the RIGHT arrow.
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.



Note: If you enabled Audio Guide, choosing any country other than United States disables it.

4. Press OK or the RIGHT arrow on the remote to go to the next screen:

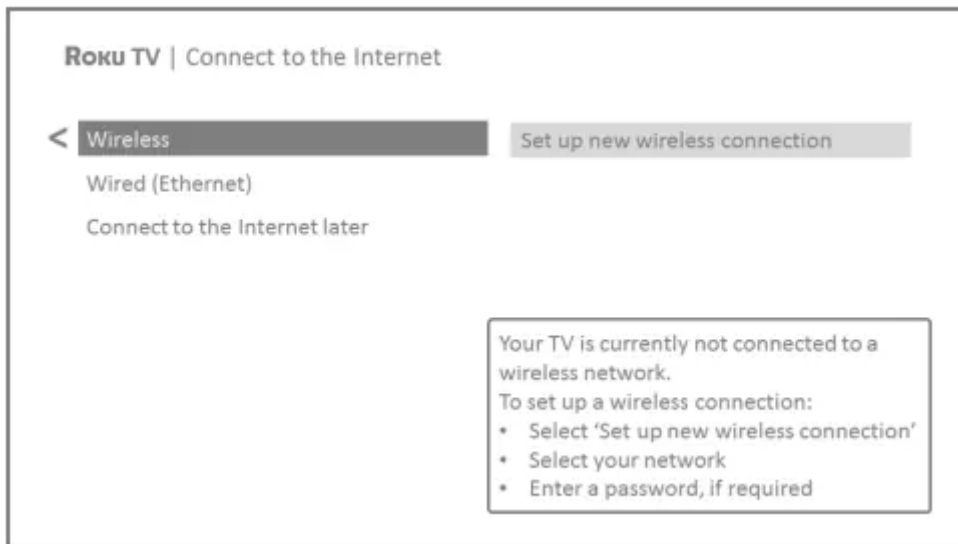


Note: Some models show the title First things first instead of Set up environment.

5. 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:** Store mode 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.

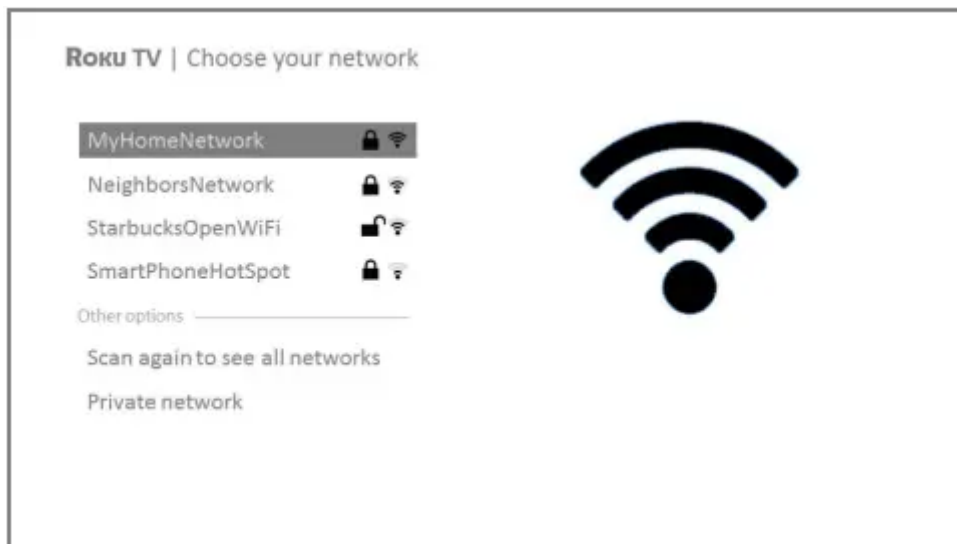


6. Only models that display the Connect to the Internet screen: Make a selection:

- Wireless connection – Highlight Set up new wireless connection and press OK. The TV prompts you through a 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 skip this step and use the TV to watch Antenna TV channels, play games, and watch DVDs. 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.

7. On models that have wireless only, or models with both wired and wireless and 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 the UP or DOWN arrows 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 TCL Roku TV detects that you are connecting to such a network, it prompts you through the connection process using your compatible smartphone or tablet to provide the needed information. For more information, see [Using your TV in a hotel or dorm room](#).

### Other options

- Connect to the Internet later – If you don't want to connect to the Internet right now, you can skip this step and use the TV to watch Antenna TV channels, play games, and watch DVDs. 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 continue.

- Scan again / Scan again to see all networks – The name of this option depends on the number of wireless networks within range.
  - Scan again appears if the list already shows all available wireless networks within range. If you don't see your wireless network name in the list, you might need to adjust the location of your wireless router or the TV, turn on your router, or make other changes. When everything is ready, select Scan again to see if your network name now appears in the list.
  - Scan again to see if all networks appear and if there are more wireless networks than the strongest ones it initially listed. If you don't see your wireless network name in the list, this option displays the complete list. If you still don't see your network name, you might have your router configured to provide

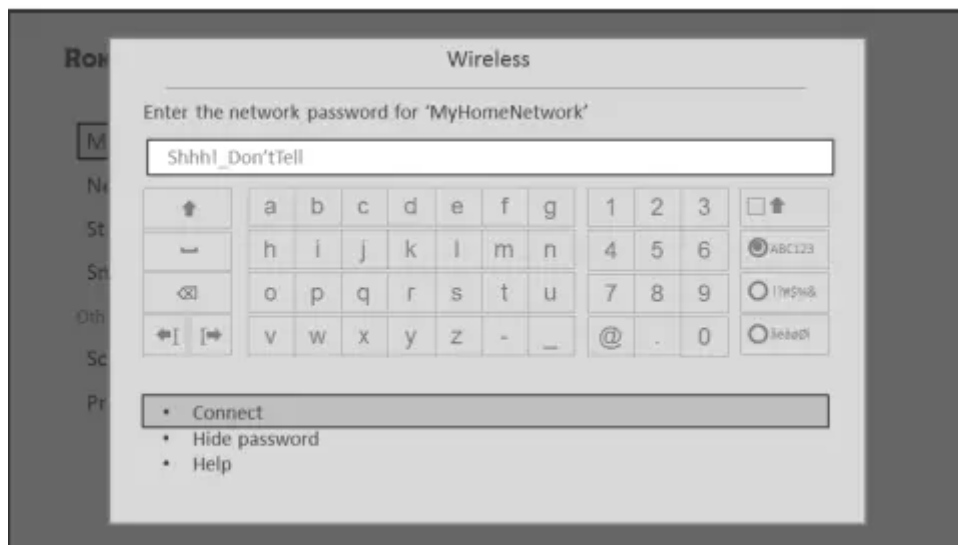
wireless service as a “private network.” Note: Highlighting either of these options displays an informational panel with the unique media access control (MAC) address of your TCL Roku TV. You will need the MAC address if your wireless router is configured to use MAC address filtering

- Private network – If your wireless network name is hidden, it won't appear in the list. Select Private network to display an on-screen keyboard, and use it to enter your network name. Unless you changed the factory-set network name, you can find the name (also called SSID) on a label on the router.

**Tip:** Wireless networks that are password-protected display a “padlock” icon adjacent to the name. This icon enables you to know that you are going to be prompted to enter a password after you select that network.

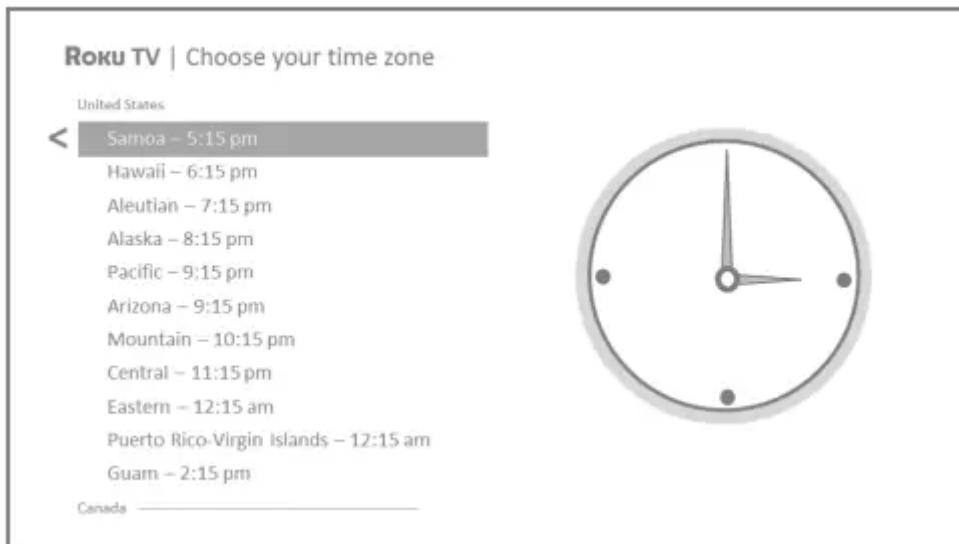


8. Only if you select a password-protected wireless network: An on-screen keyboard appears. Use the keyboard to enter the network password.



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

9. Only if your TV cannot get the correct time zone and current time from your network service provider: Use the UP and DOWN arrows to highlight your time zone, and then press OK.



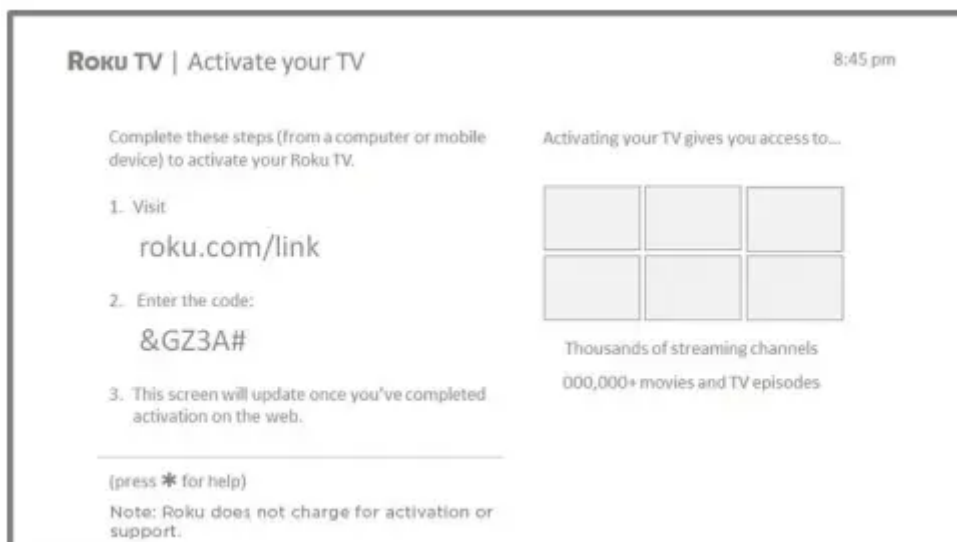
**Tip:** Your TV needs to know the local time zone so that it can correctly display information about the program you are currently watching. If the TV is unable to automatically determine the local time zone, it prompts you to choose your time zone from a list.

As soon as the TV is able to connect to the Internet, it downloads and installs its first software update, and then restarts.

**Tip:** 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 8.0. To determine your current TCL Roku TV software version, go to **Settings > System > About** after you complete Guided Setup. You can download an updated User Guide that matches your TCL Roku TV software version from the TCL Roku TV website

### Activation

After the TV restarts, it displays the Activation screen:



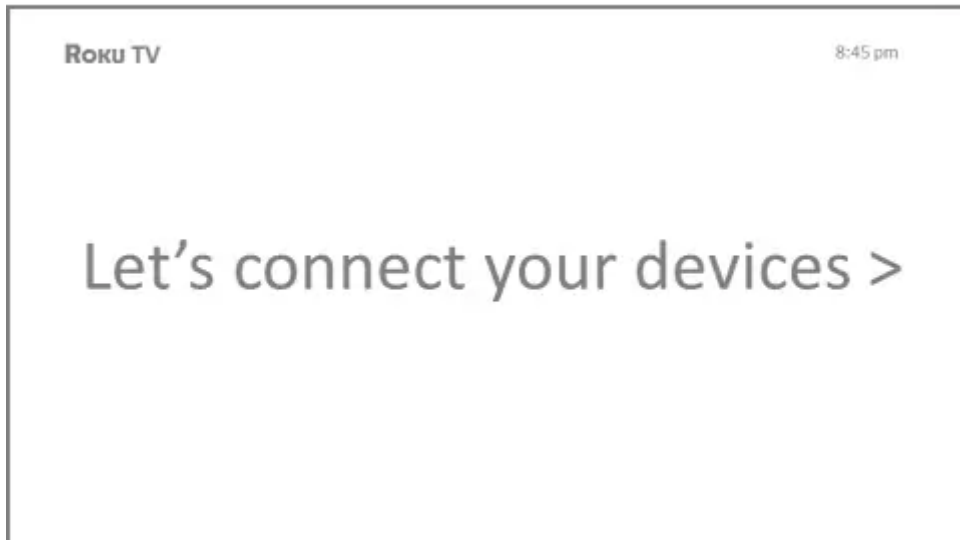
10. Using a compatible computer, tablet, or smartphone with an Internet connection, go to the web address displayed on the screen and enter the code that appears on your screen.

After you log in or create your Roku account, the link page suggests that you select some streaming channels. After you confirm your selections, the TV gets an acknowledgment, and then adds your preexisting and newly-selected streaming channels to your TCL Roku TV. This process is automatic and takes a few moments—a little longer if you already have a lot of streaming channels to add.

**Tip:** Streaming channels from all Roku streaming devices associated with your account are synchronized periodically so that all of your Roku streaming devices have the same set of streaming 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.



11. Press OK or the RIGHT arrow to proceed:



12. 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 to step by step through each of its inputs and asks what kind of device you have connected. On each input that has a connected and active device, you can see its picture and hear its sound.



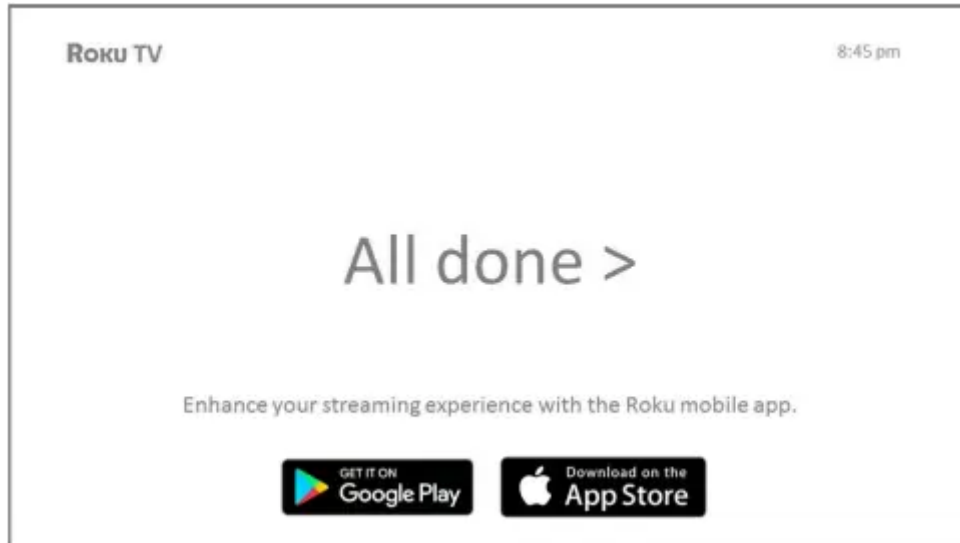
13. Press the UP or DOWN arrows to highlight the label you want to associate with the input. If you are not using the input, select Nothing, and the input won't appear on the Home screen.


14. While setting up your devices, rather than using predefined names and icons, you can set a custom name and icon. To do so, scroll up or down to highlight the 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 have renamed the inputs, you cannot use voice commands to switch inputs. Voice commands can only switch among inputs that have their original names, such as "AV," and "HDMI 1."

15. Repeat the previous step for each input.

You're done with Guided Setup.



Note: Some TCL 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  on the remote to return to the TCL Roku TV Home screen.

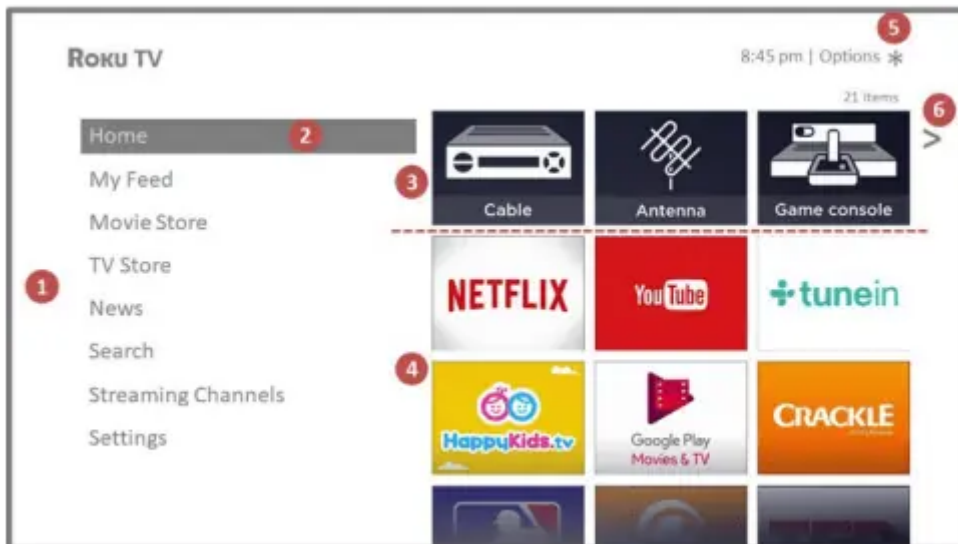
Whenever you press  on the remote, the Home screen greets you.

From here, you can explore everything your TV has to offer. Press the arrow keys to move around, and 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.

### Home screen

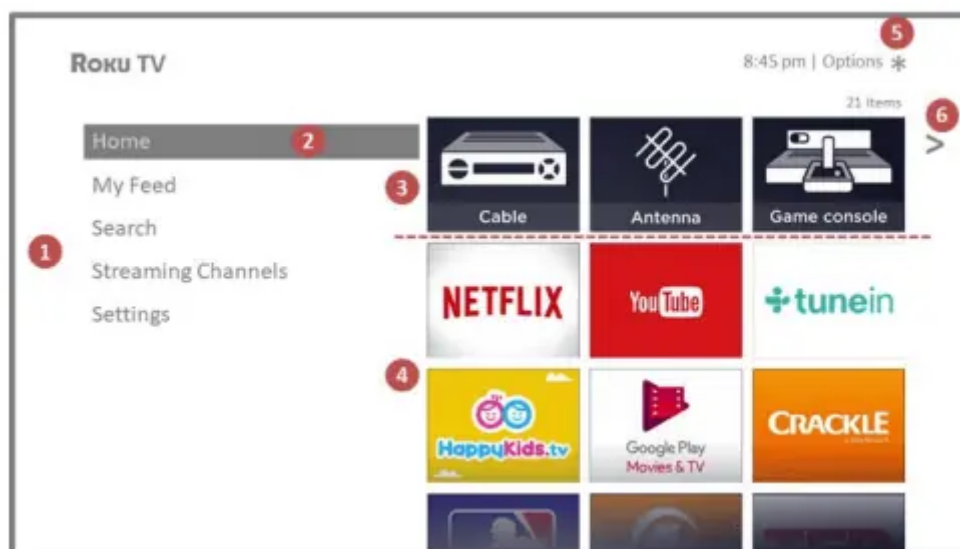
The following illustrations show typical Home screens, which vary depending on location, connected mode, selected theme, the number of TV inputs enabled, and streaming channels and apps added.

**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



Typically connected Home screen, the United States

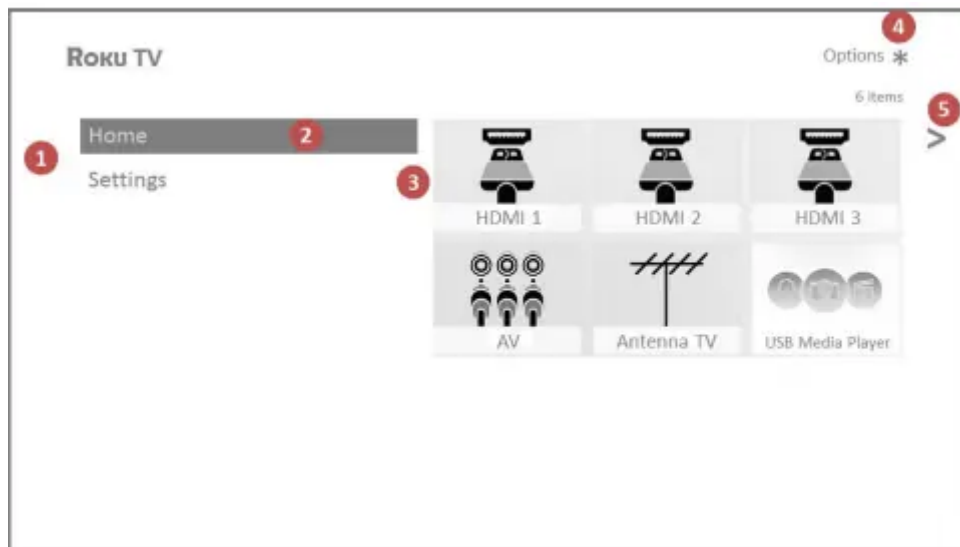
1. Home screen menu—shows options available to you when you are on the Home screen.
2. Highlighted option—press **OK** on the remote to select.
3. TV input tiles—select an input to watch the connected device.
4. Streaming channel and app tiles—select a tile to go to the indicated streaming channel or application.
5. Options hint—press **\*** on the remote for options when this symbol is present.
6. Next screen hint—press **\*** the **RIGHT** arrow on the remote to see the next screen



Typically connected Home screen, Canada

1. Home screen menu—shows options available to you when you are on the Home screen.

2. Highlighted option—press OK on the remote to select.
3. TV input tiles—select an input to watch the connected device.
4. Streaming channel and app tiles—select a tile to go to the indicated streaming channel or application.
5. Options hint—press \* on the remote for options when this symbol is present.
6. Next screen hint—press the RIGHT arrow on the remote 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 on the remote to select.
3. TV input tiles—select an input to watch the connected device.
4. Options hint—press \* on the remote for options when this symbol is present.
5. Next screen hint—press the RIGHT arrow on the remote 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 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.
- Only in connected mode on U.S. models: Hide Movie Store, TV Store, or News as explained in Configure parental controls.
- Remove a tile by highlighting it and pressing \*. Then highlight Remove input or Remove channel and press OK.

- Move a tile by highlighting it and pressing **\***. Then highlight Move input or Move channel and press OK. Use the arrows to move the tile, and then press OK to lock it in its new location.
- Rename a TV input tile by highlighting it and pressing **\***. 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 predefined names and icons, you can set a custom name and icon. To do so, scroll up or down to highlight the 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 have renamed the inputs, you cannot use voice commands to switch inputs. Voice commands can only switch among inputs that have their original names, such as “AV,” and “HDMI 1.”

## Benefits of Connecting

### Connecting brings out your TV's full potential!

#### Make any night a movie night

Thousands of movies to choose from, across all major streaming movie channels like Netflix, Crackle, and more\*. You'll never run out of something new to watch.

#### Get in the groove

Stream endless hours of music from free and subscription-based channels like Deezer and TuneIn. With almost instant access to thousands of music artists, your favorite beats are just as close as your remote.

#### Explore your passions

In addition to popular streaming channels like YouTube, NHL, Sky News, and Google Play, your TCL Roku TV also offers hundreds of streaming channels to fuel your passions—including fitness, cooking, religion, outdoors, International programming, and much more.

#### Enjoy FREE trials of popular channels

Your TCL Roku TV comes loaded with special offers, including free trials (if eligible) from popular streaming channels like Netflix, Hopster, Acorn TV, and many more. REMEMBER THAT YOU MUST CANCEL BEFORE THE FREE TRIAL ENDS TO AVOID SUBSCRIPTION FEES.

#### Take advantage of awesome features

**Powerful, voice-enabled search** helps you find movies and TV shows, actors, or directors across multiple streaming channels. Search results also include Antenna TV programs airing in your region as well. Voice Search and Antenna TV search results are available only in the United States.

**Smart Guide** is an electronic program guide that is available any time you are watching “over-the-air” TV programs on the Antenna TV input. You can scroll up and down to see all Antenna TV channels you receive. You can scroll left to see the previous 7 days of programs, and scroll right to see the upcoming 14 days of programs. If you highlight a show that has a purple asterisk \*, you can press the \* to see More Ways to Watch. And your most-watched channels are automatically grouped into a Favorites section at the top of the Smart Guide.

**More Ways to Watch** (U.S. only) gives you recommendations about the show you are watching on the Antenna TV, HDMI, or AV input, gives you options to stream the current show from the beginning, the entire season, or the entire series, and recommends other shows with similar themes. It also uses the shows you watch to display ads that are more relevant to you.

**Live TV Pause** lets you connect a USB drive (not provided) and pause live TV for up to 90 minutes. After pausing, you can play, fast-forward, rewind, and pause again to any point within the rolling 90-minute window.

**Voice commands** let you use your Roku Voice Remote, Roku Enhanced Voice Remote, or the Roku mobile app to change stations, TV inputs, and launch streaming channels, and more. Voice commands are available only in the United States.

**Mobile Private Listening** on the Roku mobile app lets you listen to streaming programs and “over-the-air” TV shows from the Antenna TV input on headphones (not provided) plugged into your IOS® or Android™ mobile device.

### **What is streaming?**

Streaming is viewing or listening to video or audio content that is sent over the Internet, or located on a network-connected media server or on a USB device plugged into the TV’s USB port.

With streaming, you can buy or rent most programs on demand, when it’s convenient for you. When streaming, you can play, pause, rewind, and fast-forward most of what you are watching. You can also replay the last few seconds again, or turn on closed captions.

**Tip:** Some content cannot be paused or skipped. For example, if you are viewing live programming or a program that is supported by ads, you might not be allowed to skip the ads.

Your TCL Roku TV lets you choose from thousands of streaming channels that offer a huge selection of entertainment:

- Thousands of movies and TV episodes
- Unlimited music, live and on-demand
- Tons of live and on-demand sports
- Commercial-free kid's programming
- International programming in 22 languages
- 24x7 news and in-depth news commentary

Many streaming channels are free. Some streaming channels, like Google Play, let you purchase or rent the latest movie releases or popular TV series. Some channels such as Netflix or Acorn TV charge a monthly subscription fee and others are available at no additional cost if you subscribe to a companion service through your cable or satellite provider.

If you have an existing subscription to a service like Netflix, you can just sign in with your existing username and password.

To play streaming content, you add streaming channels to your Home screen. Use the Streaming Channels option on the Home screen menu to go to the Roku Channel Store, and then select the streaming channel you want to add. The channel remains on your Home screen unless you remove it, and you can watch it at any time.

For more information on using the Roku Channel Store feature, see [Using the Roku Channel Store](#).

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

### **What if I didn't connect my TV?**

What if you went through Guided Setup and chose Connect to the Internet later? No worries. Your TCL Roku TV makes it easy to connect whenever you want. As you move around the Home screen, you'll see several places where you can start the connection process. For example:

- Now and then you'll see a message appear on the panel to the right of the Home screen offering a Connect Now option. Simply highlight and select the Connect Now option to get started.
- Use the Connect and activate now an option in the Settings menu. From the Home screen menu, select Settings, then Network, and then Connect and activate now.
- If you want to start over from the beginning, use the Settings menu to do a Factory reset, and then go through Guided Setup again. This time, choose your home network when prompted.

## **Setting up Antenna TV**

In addition to the other entertainment possibilities of your TCL Roku TV, you may also want to watch broadcast channels from an antenna or cable TV service connected to the ANT input. On your TCL Roku TV, you watch broadcast TV in much the same way you watch other entertainment choices. You select a tile—in this case, the Antenna TV tile—from the Home screen.

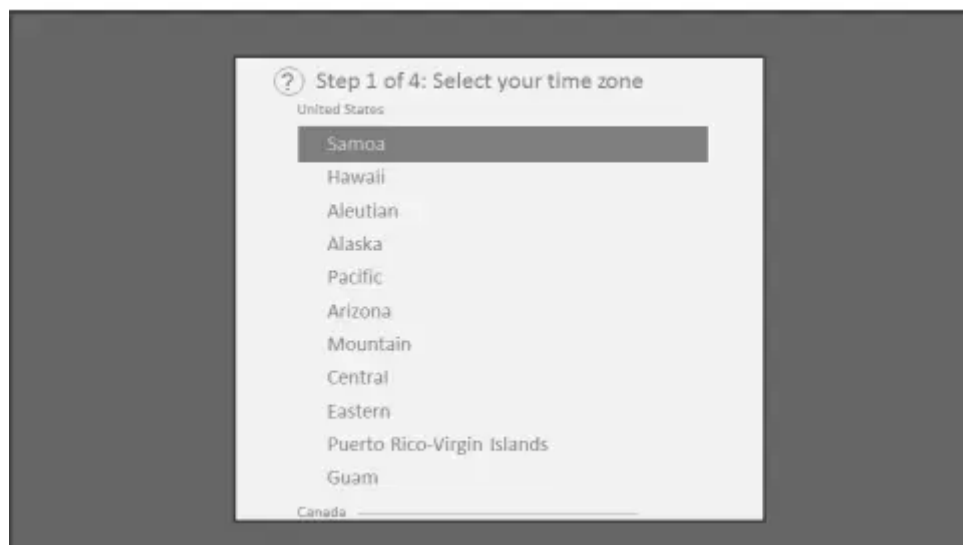
The first time you select the Antenna TV tile, you have to set up the TV tuner. Setting up the TV tuner scans for active channels and adds them to your Antenna TV channel list.

### **How do I set up the TV tuner?**

1. Make sure your antenna (not provided) or TV cable is connected to the TV's ANT/CABLE input.
2. On the Home screen, select the Antenna TV tile.
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 TV stations...



... and then cable TV channels.



Scanning for channels can take several minutes.

**Tip:** If you use a set-top box to receive cable TV channels (and don't have your cable connected directly to the TV's ANT input), 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, do you have the option of setting up Live TV Pause. The topic 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 add and remove channels, move channels to different parts of the spectrum, and change the power levels of their channels periodically. Your antenna reception and picture quality depend on the position of your antenna and on your location relative to the antennas of broadcasters in your area.

**Note:** You'll have to repeat the channel scan if you remove and re-add the Antenna TV tile from the Home screen or perform a factory reset. To repeat the channel scan, go to **Settings > TV inputs > Antenna TV > Scan again for channels > Start finding channels**.

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

- Press the UP and DOWN arrows to change channels.
- Press the LEFT arrow to display the channel list (non-connected mode) or Smart Guide (connected mode), and then use the UP and DOWN arrows to select a channel to watch. Or press REWIND or FAST FORWARD to jump through the channel list or Smart Guide a page at a time.
- Press \* OK to display information about the current program.
- Press \* to see options for picture and sound settings.

- Only on models that have a Roku voice remote, hold down  or , and then say the name of a movie, TV show, actor, or director. The TV displays the result and the streaming channels that offer the requested content. Only in the United States, the results also include shows on Antenna TV channels.

**Note:** If you do not have a Roku voice remote, you can use the Roku mobile app to search. For more information, see [Getting and using the Roku mobile app](#)

## 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:

<b>TV CONDITION</b>	<b>STATUS INDICATOR</b>	<b>MEANING</b>
<b>On (screen is active)</b>	Off	Screen is communicating that TV is on.
<b>Screensaver (screen is active)</b>	Off	Screen is communicating that TV is on.
<b>Off (no power)</b>	Off	TV is not connected to power.
<b>Off (standby)</b>	On	TV is connected to power and is ready to use.
<b>Starting up from off state</b>	Slow pulsing blink until startup completes	TV is doing something.
<b>On (receiving update from USB)</b>	Slow pulsing blink until update completes	TV is doing something.
<b>Remote command received</b>	Dims on/off once	TV has received your command.
<b>Network connection lost</b>	Two short blinks, pause, repeat	TV was connected and paired with a Roku account and now has no network connection.
<b>Powering down to standby mode</b>	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 on TVs that do not have an Energy Star® rating, 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. For more information, see Fast TV start.

### **Watching Antenna TV channels**

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

**Note:** If the button is not available on your remote, you can use this feature in the Roku mobile app. For more information, see Getting and using the Roku mobile app

### **Favorite Channels in non-connected mode**

You can quickly change from surfing among all channels or only your favorite channels. First, you have to mark one or more channels as your favorites.


**Note:** In the United States, in connected mode, favorite channels appear at the top of the Smart Guide automatically after several days of watching Antenna TV channels. For details, see Smart Guide.

### **Mark your favorite channels**

In non-connected mode, you can make any channel a favorite whenever you're watching Antenna TV channels.

1. Press the LEFT arrow to display the channel list. Notice that the words All channels appear at the top of the channel list.
2. Scroll up or down to highlight a channel that you want to make a favorite.
3. Press **\***. At this point, you'll see two options:

- Add to favorites
- Back


4. With Add to favorites highlighted, press **OK**. A  symbol appears adjacent to the channel to indicate that it is now a favorite. 5. Repeat these steps to add more favorite channels.

### **Surf only your favorite channels**

In non-connected mode, after you've marked one or more channels as favorites, you can switch to your favorite channels whenever you're watching Antenna TV channels.

1. Press the **LEFT** arrow to display the channel list.
2. Press the **LEFT** or **RIGHT** arrow once to switch to **Favorites**. Notice that the word **Favorites** appears at the top of the channel list.
3. Highlight a channel and press **OK** to select one of the channels in the **Favorites** channel list, or wait a few moments until the channel list disappears.
4. Press the **UP** or **DOWN** arrow to change to the previous or next favorite channel. Each channel you select in this way is a favorite channel. Your channel surfing is limited to favorite channels only.

Your favorite channel list remains in effect even if you turn off or unplug your TV, until you switch back to all channels.

Note that when you press **OK** to view the program information banner while watching a show, a  symbol appears below the channel number.

### **Surf all channels again**

In non-connected mode, you can switch back to all channels whenever you're watching Antenna TV channels.

1. Press the **LEFT** arrow to display the channel list.
2. Press the **LEFT** or **RIGHT** arrow once to switch to All channels. Notice that the words All channels appear at the top of the channel list.
3. Highlight a channel and press **OK** to select one of the channels in the All channels list, or wait a few moments until the channel list disappears.
4. Press the **UP** or **DOWN** arrow to change to the previous or next channel among all your available channels. You can surf among all channels in your channel list.

### **Remove a channel from your favorites**


In non-connected mode, you can remove a channel from your favorites whenever you're watching the Antenna TV input.

1. Press the **LEFT** arrow to display either channel list—All channels or Favorites.

2. Scroll up or down to highlight a favorite channel that you want to remove from your favorites.

3. Press \* on your remote. At this point, you'll see two options:

- Remove from favorites
- Back

4. With Remove from favorites highlighted, press OK. The  symbol adjacent to the channel disappears.

5. Repeat these steps to remove other channels from Favorites.

### Viewing program information


You can view program information in different ways:

- Only in connected mode in the United States, view program information for any program listed in the Smart Guide. Press the LEFT arrow while watching Antenna TV to see the Smart Guide. For more information, see Smart Guide.
- View program information for the current program in a banner at the bottom of the screen. You can view program information in this way on both connected and non-connected TVs. The following illustration shows the information that is available:



Program information banner

Program information might include any or all of the following, depending on availability within the broadcast information:

- Channel number
- Channel call sign
- Favorite channel icon 
- Signal strength

- Program title and episode name/number
- Start time, end time, and graph of program length showing current position
- Content rating
- Video resolution (480i, 480p, 720p, 1080i, 1080p, 4K)
- Frame rate (24Hz, 30Hz, 60Hz for television sources, 60Hz, 70Hz, 72Hz, 75Hz for computer sources)
- Audio format (Mono, Stereo, Dolby Audio™ logo)
- Audio features (SAP/MTS)
- Only on select 4K models: HDR or Dolby Vision™\* logo (HDMI® and streaming sources)
- Closed captioning (CC)
- Current time
- Program description. If the entire description does not fit, press OK to expand the size of the banner and see the entire description.

**Tip:** If you've set up Live TV Pause and you're watching Antenna TV, you'll also see a progress bar showing the current playback position within the rolling 90-minute pause time. For more information, see Pausing Live TV.

### Adjusting settings while watching a show

Press **\*** to display the **Options** menu (except when you are viewing the program information banner). Press the **UP** and **DOWN** arrows to highlight an option, and then press the **LEFT** and **RIGHT** arrows to change the setting. The topic Adjusting TV settings explains each of the settings in detail.

### Pausing Live TV

Live TV Pause gives your TCL Roku TV the ability to pause, play, fast forward, and rewind digital Antenna TV. You can pause Antenna TV for up to 90 minutes.

### Requirements

To use this feature, you need to:

1. Connect your TV to the Internet. If you didn't connect during Guided Setup, see What if I didn't connect my TV?.
2. Provide your own dedicated USB drive with the following minimum specifications.
  - 16 GB
  - 15 Mbps read/write speed
  - USB 2.0 compliant

A USB flash drive (thumb drive) meeting the minimum requirements is highly recommended. Note that using a larger drive does not extend the 90 minute pause time.

**Important:** After warning you and giving you a chance to cancel Live TV Pause setup, all existing content on your USB drive is erased when you enable this feature.

3. Connect your USB drive to the TV's USB port. Important: Some TV models have more than one USB port. You can connect your Live TV Pause USB drive to any port, but make sure that nothing is connected to other USB ports while enabling Live TV Pause. Reconnect other USB devices after you have finished enabling Live TV Pause.

4. Enable Live TV Pause, as explained in the following topic.

## Enabling Live TV Pause

You can start setting up Live TV Pause in any of the following ways:


- Go to **Settings > TV inputs > Antenna TV > Live TV Pause**, and then select Enable.
- After completing a channel scan, select **Set up Live TV Pause** from the available options.
- Press **Play/Pause** on the Roku remote while watching a digital Antenna TV channel.
- Highlight the Antenna TV tile on the Home screen, press **\*** on the remote, and then select **Enable Live TV Pause**.


After starting setup of Live TV Pause in any of these ways, the TV prompts you through the steps needed to enable this feature. Setup takes only a few moments.

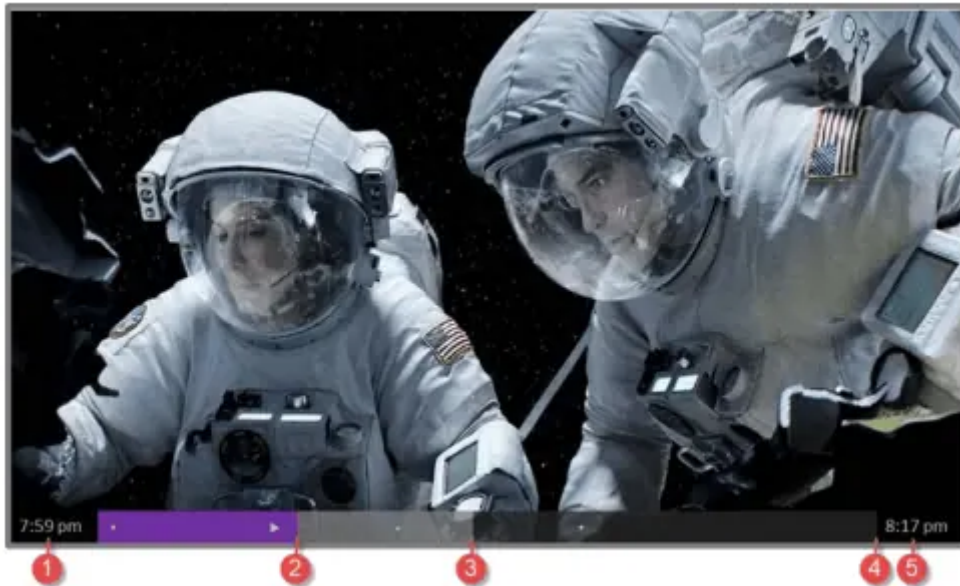
**Note:** Use of a USB hub is not supported.

## Using Live TV Pause

If you have used the Roku remote to watch streaming channels, using Live TV Pause should be very familiar to you.

- While watching a digital Antenna TV channel, press **PLAY/PAUSE** to pause or play the content. After the TV program has been paused for 90 minutes, the TV resumes playing.
- After watching a channel for a while, press **REWIND** to jump back up to the point where you first started watching the channel, up to 90 minutes.
- After pausing or rewinding, press **FAST FORWARD** to jump ahead up to the point where you are once again watching the live TV program
- Press **FAST FORWARD** or **REWIND** repeatedly to cycle through 1x, 2x, and 3x skip speeds. Press **INSTANT REPLAY**  to play back the last several seconds of the program.
- When the program is paused, press the **LEFT** and **RIGHT** arrows to move forward and backward through the program approximately 10 seconds per press. Small frames appear across the screen to identify your location in the program.

**Note:** If the  button is not available on your remote, you can use the Roku mobile app. For more information, see Getting and using the Roku mobile app. Whenever you use any of the Live TV Pause features, the TV momentarily displays a progress bar:



1. Time at current playback position.
2. Current playback position
3. Extent of pause time, representing the amount of time this channel has been buffered, up to 90 minutes.
4. 90 minute mark, representing the maximum extent of pause time.
5. Current time.

The progress bar also displays tick marks at each half hour point, to help you locate the boundaries where one show ends and a new one begins.

- Notes about Live TV Pause
- You can use Live TV Pause only with digital broadcast and cable channels received through the TV's ANT input (ATSC and Clear QAM channels).
- Changing channels erases and restarts the Live TV Pause buffer.
- Returning to the Home screen, selecting another input, or turning off the TV erases and resets the Live TV Pause buffer.
- Removing the USB drive erases the Live TV Pause buffer

### Switching TV inputs

Switch TV inputs to access the device connected to that input, for example, a Blu-ray™ player. Switching inputs is as simple as highlighting the input's tile in the Home screen, and pressing OK. The video signal on the input, if any, plays on the screen.

**Tip:** To learn how to add, remove, rename, and rearrange the tiles on your Home screen, see Customizing your TV.

### **Auto-detecting devices**

Your TV automatically detects when you connect a new device to an HDMI® input and turn on its power. The input is automatically added to the Home screen if it isn't already present.

### **Adjusting audio/video settings**

While watching video content on any input, press **\*** to display the **Options** menu. Press the **UP** and **DOWN** arrows to highlight an option, and then press the **LEFT** and **RIGHT** arrows to change the setting. To learn about each of the audio and video settings, see Adjusting TV settings.

## **Adjusting TV settings**

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

In most cases, the changes you make apply only to the input you are using. Antenna TV, the separate HDMI® inputs, and the AV input each 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.

### **Settings menu**

Use the Settings menu to adjust overall TV settings. Press 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 Options menu while watching a program.

- HDR notification – On select models only: 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.

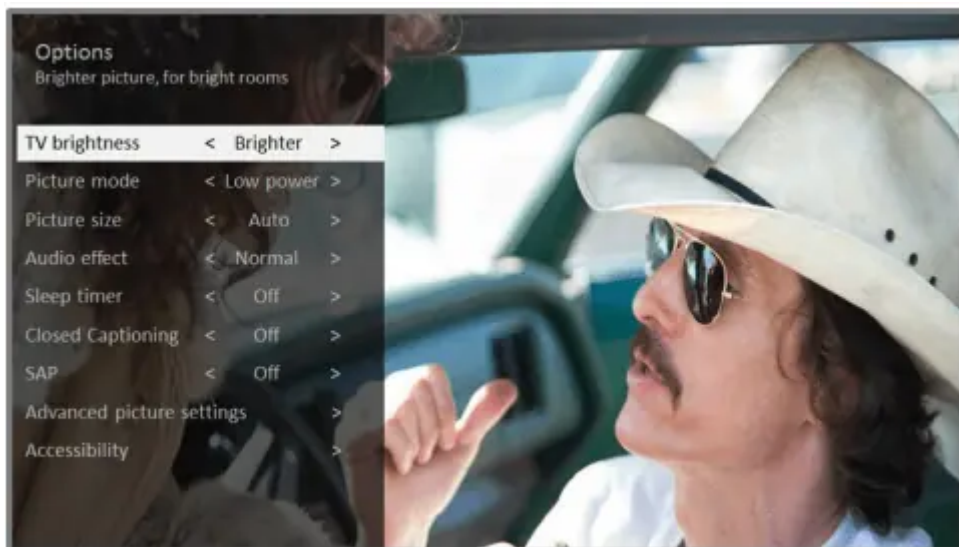
**Note:** This setting does not affect the HDR or Dolby Vision notification that always appears in the program information banner. Press OK while watching a show to open the program information banner

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

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

### Options menu

The Options menu for each TV input provides many settings for controlling the appearance of the picture and the quality of the audio. To view the **Options** menu, press \* whenever you are watching a TV input or streaming a video (except when you are viewing the program information banner). The Options menu is a panel that appears over the left side of the screen:




To adjust the settings on the **Options** menu, press the **UP** or **DOWN** arrow to highlight a setting, and then press the **LEFT** or **RIGHT** arrow to change the setting. You'll see the changes you make right away in picture appearance or audio quality.

**Tip:** When you highlight a setting, the header text explains the effect of its current value. When you begin to adjust a setting, the other options are hidden so you can see more of the screen. Even though the other settings are hidden, you can move the highlight up or down to adjust the other settings. As soon as you press the **UP** or **DOWN** arrow, the other settings become visible again.

### Options menu settings

- TV brightness – Affects the overall brightness of the picture. This setting applies across the entire TV; that is, to all TV inputs, and is identical to the TV brightness setting under Settings > TV picture settings.

- Picture mode – Provides picture presets for various viewing preferences. This setting applies to the currently-selected input only.
- Picture size – Adjusts the aspect ratio of the picture, enabling you to view a picture in its original format, or zoom or stretch it to fill the screen. The Auto setting has been found to produce the best picture in most cases.
- Audio effect – Adjusts the sound quality output from the TV speakers. This setting applies across the entire TV; that is, to all TV inputs. It does not affect the sound quality of headphones, HDMI (ARC), or SPDIF (TOSLINK) connectors.
- Sleep timer – Sets a timer that turns off the TV after a specific amount of time. This setting remains in effect even if you stop watching the current input.
- Closed captioning – Controls when you see captions. This setting is only offered for Antenna TV, AV input, and streaming videos. Any set value remains in effect across only these inputs.
  - Antenna TV – Set captions to off, always on, on only when the TV sound is muted, or on only during instant replay (when Live TV Pause has been enabled).
  - AV input – Set captions to off, always on, or on only when the TV sound is muted.
  - Streaming video channel – For streaming content that provides closed captions, set captions to off, always on, on only when the TV sound is muted, or on only during instant replay (for streaming content that supports instant replay). Note that some streaming channels have other methods for turning captions on and off. In these cases, the Closed captioning option does not appear on the Options menu.

**Note:** If the  button is not available on your remote, you can use this feature in the Roku mobile app. For more information, see Getting and using the Roku mobile app.

- **Captioning track** – Only in Canada: Select which caption track to display when Closed Captioning is on. This setting remains in effect on all inputs that provide captions.

**Note:** Only in the United States, the **Captioning track** setting is located under **Accessibility**.

- **SAP** – Selects whether to play a secondary audio program or multichannel television sound and which choice to play. This setting applies only to Antenna TV on digital channels.
- **Advanced audio settings** – Only on select models: Shows the Advanced audio settings menu.
- **Advanced picture settings** – Shows the Advanced picture settings menu.

**Tip:** To dismiss the **Options** menu, just wait a few seconds without pressing any buttons. Or press **\*** again to dismiss the menu immediately

## Advanced picture settings

The **Advanced picture settings** menu for each TV input provides settings for fine-tuning the appearance of the picture. All of the settings in this menu apply only to the currently-selected input.

To use the **Advanced picture settings** menu, first press **\*** to display the Options menu. Then select **Advanced picture settings**.



### Advanced picture settings menu options

- **Picture mode** – Provides picture presets for various viewing preferences. This setting duplicates the one on the **Options** menu. When you change the **Picture mode**, other picture settings adjust accordingly. For example, setting the **Picture mode** to **Vivid** sets **Brightness, Contrast, Sharpness**, and other values to produce a very vibrant picture. Setting **Picture mode** to **Movie** changes the settings to produce a picture suitable for enjoying movies in a darkened room. If you make changes to the individual picture settings—for example, **Contrast**, or **Sharpness**—these settings are saved for the current input and the current picture mode. In this way, you can set HDMI 1 input's Movie picture mode to use different settings than the HDMI 2 input's Movie picture mode and Antenna TV's Movie picture mode. Use Reset picture settings, described below, to return the input's selected picture mode to its original values.
- **Local contrast** – Only on select models: Sets the amount of dimming multiple “local” areas of the screen's backlight intensity. This setting can make dark areas darker without affecting the brightness of light areas. This option is disabled when **Game mode** is enabled.
- **Dynamic contrast** – Only on select models: Automatically adjusts the backlight level to achieve the optimum contrast and prevent excessive differences between light and dark areas of the screen. This option is disabled when **Local dimming/Local contrast** is enabled.

- **Backlight** - Adjusts the overall light intensity of the screen. On some models, this option is disabled when **Dynamic contrast** is enabled.
- **Brightness** – Adjusts the dark level of the black areas of the picture. • **Contrast** – Adjusts the white level of the light areas of the picture.
- **Sharpness** – Adjusts the sharpness of the edges of objects in the picture.
- **Color** – Adjusts the intensity of colors in the picture. A setting of 0 removes all color and displays a black-and-white picture.
- **Tint** – Adjusts the color balance from green to red to obtain accurate colors in the picture.
- **Color temperature** – Adjusts the overall colors in the picture from **Normal** to slightly more bluish (**Cool**) to slightly more reddish (**Warm**).
- **Action smoothing** – Only on select models: Adjusts the amount of action smoothing applied to the video signal. A higher setting results in more smoothing, but can cause undesirable picture artifacts in certain types of content. Each Picture mode has a different Action smoothing default setting.
- **Natural Cinema** – Only on select models: When enabled, this feature reduces the “judder” that is often present when 24 frame-per-second movies are upscaled to 60Hz TV standards. **Natural Cinema** mode is **On** by default in **Movie** and **HDR Dark** picture modes, and **Off** by default in other picture modes. When **Natural Cinema** mode is On, **Action smoothing** is turned off and disabled.
- **Action clarity** – Only on select 120Hz models: Reduces blur, especially for fast-moving images such as sports.
- **LED action clarity** – Only on select models: Reduces motion blur caused by LED backlight latency. Enabling this feature inserts black frames between picture frames in a way that improves the clarity of fast movement. It provides an improved viewing experience for video games and sporting events. When **LED action clarity** is enabled, the Brightness and **Dynamic contrast** settings are disabled. You can choose settings of Low, Medium, High, or Off to achieve the desired picture quality. Enabling **Game mode** sets **LED action clarity** to **Medium**.
- **Game mode** – Only on HDMI® and AV inputs: Controls whether the Game mode is enabled. When On, the TV performs less image processing and has less input lag. When Off, the TV performs more image processing and has more input lag, which is less desirable for action games.
- **Reset picture settings** – Returns all picture settings for the input’s currently selected Picture mode to their original values.


**Tip:** To dismiss the Advanced picture settings menu, just wait a few seconds without pressing any buttons. Or press \* again to dismiss the menu immediately

## Customizing your TV

There are several things you can do to personalize your TV.

### Add TV inputs

As you use your TV, you might find that you need to add a TV input tile that you did not add during Guided Setup. To add a TV input:

1. From the Home screen menu, navigate to **Settings > TV inputs**. Notice that the list of inputs is divided into two sections: **Inputs being used** and **Inputs not being used**.
2. Press the **UP** or **DOWN** arrows to highlight an input in the **Inputs not used** section of the list.
3. Press the **RIGHT** arrow to move the highlight to Set up input.
4. Press **OK** to add the input.
5. Press  to return to the Home screen. Notice that the input has been added to the top of the Home screen. If you want to move the input tile to a different position in the grid, see Rearrange tiles.

### Add streaming channels

You can add streaming channels by searching in the Roku Channel Store. New streaming channels are added to the bottom of the Home screen. If you want to move the channel tile to a different position in the grid, see Rearrange tiles.

### Rename inputs

Rather than trying to remember that your Blu-ray™ player is connected to **HDMI 1** and your game console is connected to **HDMI 3**, you can rename the TV inputs to match the connected device.

**Note:** Renaming an input also changes the icon associated with it.


To rename an input, you can either:

- Highlight the input tile on the Home screen, and then press **\*** to display a list of options. From the list of options, select **Rename input**. Then select a new name and icon.

or

- From the Home screen, navigate to **Settings > TV inputs**. On the **TV inputs** screen, select the input you want to rename, select **Rename**, and then choose a new name and icon from the provided list.


Rather than using predefined names and icons, you can set a custom name and icon. To do so, scroll up or down to highlight the **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.

Press  to return to the Home screen. The new name and icon are now in effect.

### Remove unwanted tiles

It's easy to remove unused TV inputs and unwanted channel or app tiles. For example, if you never use the **HDMI 3** input, or if you don't like the weather app you added from the Roku Channel Store, you can remove them from your Home screen.

**Note:** You also can remove the **Antenna TV** tile if you never use the TV tuner. But be aware that removing the Antenna TV tile also deletes the channel list. You'll have to set up the TV tuner again next time you want to view Antenna TV. Instructions for setting up the TV tuner can be found in [Setting up Antenna TV](#).

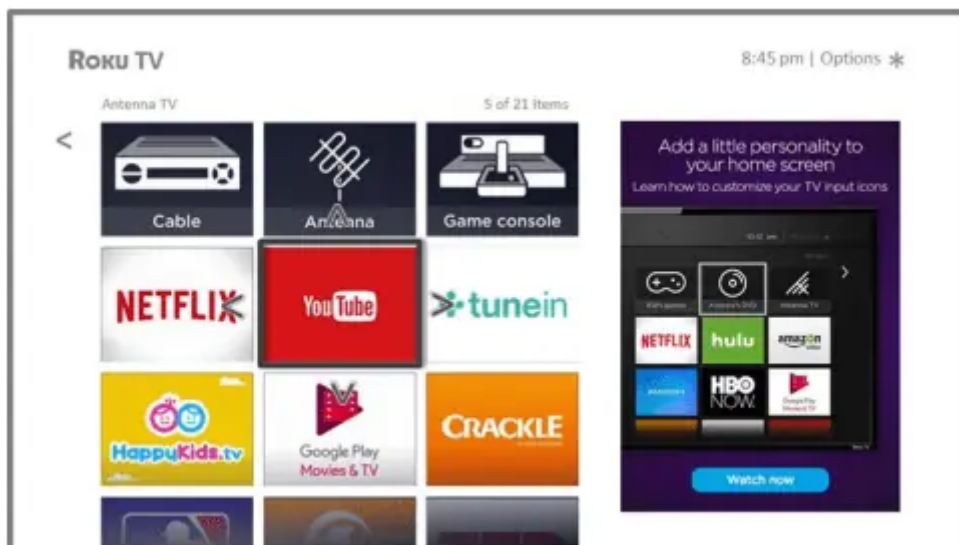
- To remove any tile, highlight the input tile in the Home screen, and then press **\*** to display a list of options. From the list of options, select **Remove input**. In the screen that follows, confirm you want to remove the input.
- Alternatively, to remove a TV input tile from the Home screen, navigate to Settings > TV inputs. On the TV inputs screen, select the input you want to remove, and then select **Remove > Confirm**. Then press  to return to the Home screen.

## Rearrange tiles

When you add a TV input tile, it's added at the top of your Home screen. When you add a new streaming channel, it's added at the bottom of your Home screen.

You can easily rearrange the order of the tiles on the Home screen to suit your viewing preferences. For example, you might want **Antenna TV** to be your first tile on your Home screen. But if you mostly watch one streaming channel, you might want its tile to be the first one on your Home screen.

1. From the Home screen, highlight one of the tiles you want to move.
2. Press **\*** to display a list of options for the type of tile you selected.
3. Select **Move input** or **Move channel**. The list of options disappears and the highlighted tile shows arrows indicating how it can be moved.



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

4. Use the arrow keys to move the highlighted tile to its new position. As you move the tile, it pushes other tiles out of their way.
5. Press OK to lock the tile into its new position.
6. Repeat these steps to move other tiles until you have arranged your Home screen to your liking.

## Change themes

Only in connected mode, another way to customize your TV is to change its theme. The theme establishes the look and feels of the TV through colors, designs, and fonts. Some themes require payment.

To change the theme, in the Home screen menu navigate to **Settings > Themes**. In the Themes screen, choose from the following options:

- **My themes** – Highlight a theme, and then press **OK** to switch to that theme.
- **Get more themes** – Highlight this option at the bottom of the My Themes list, and then press **OK** to shop for new themes.
- **Custom settings** – Turn **Featured themes** on or off. When **Featured themes** is on, the TV automatically switches to featured themes—like certain holiday-inspired themes—for a limited time whenever Roku makes them available and then switches back to your selected theme when the featured theme expires. When off, the TV uses your selected theme.

## Edit Antenna TV channel lineup

When you set up the TV tuner as described in Setting up Antenna TV, the TV adds all the channels with good signals that it can detect in your area. It's likely that you now have more channels than you want in your channel list. To edit the channel lineup, from the Home screen, navigate to **Settings > TV inputs > Antenna TV > Edit channel lineup**. You'll see a screen listing all of your channels. Adjacent to the list of channels is a miniature TV screen playing the highlighted channel's picture and sound



Highlight each channel you want to hide, and then press OK to hide the channel.

**Tip:** If you need to see or hear the highlighted channel, wait a couple of seconds for the TV to start playing the channel's picture and sound. Also note that if you've enabled parental controls and the program on the current channel is blocked, you won't see a picture or hear sound while editing the channel lineup.

**Note:** Repeating the tuner channel scan unhides all hidden channels.

### Change menu volume

Menu sounds are the noises the TV makes to let you know it received your command. You can change the volume of these menu sounds or turn them off.

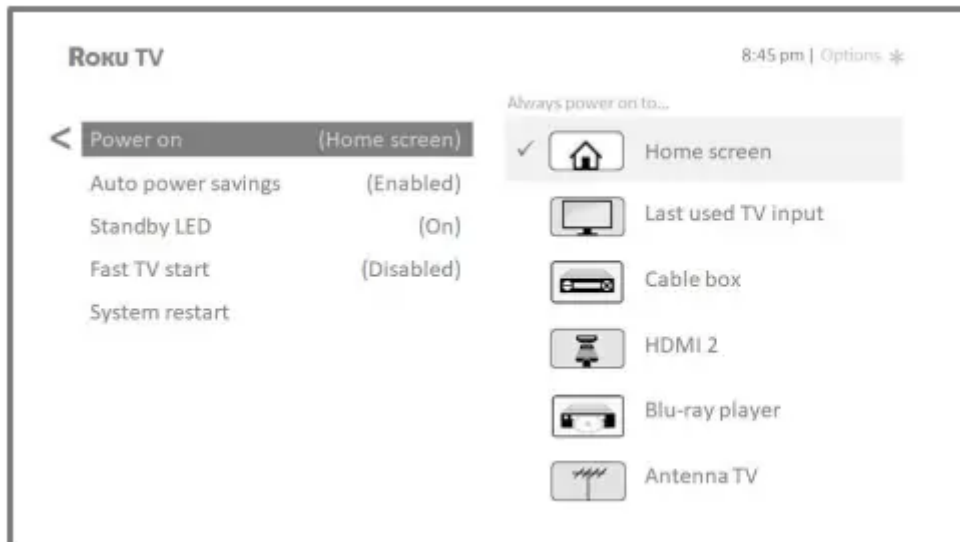
To adjust the menu volume, navigate to **Settings > Audio > Menu volume** in the Home screen menu. Navigate to the right and then change the setting to High, Medium, Low, or Off.

### Configure power settings

Power settings let you configure features related to how your TV's power settings work.

### Power on settings

Power on settings tells the TV what to do when you turn on the power. To configure the power on settings, from the Home screen, navigate to **Settings > System > Power > Power on**. Highlight the preferred power on location in the list, and then press **OK**.



### Auto power savings

To help you save energy, your TV can automatically turn itself off after a period of inactivity or a period during which no signal has been detected. It is factory configured to do both of these things, but you can change these settings if needed.

To configure automatic power off, from the Home screen menu navigate to **Settings > System > Power > Auto power savings**. In the **Power settings** screen, highlight the following options and press OK to turn them on or off:

- Reduce power after 15 minutes – If no video or audio activity and no user interaction occur for 15 minutes, the TV automatically turns off the screen and sound.
- Turn off after 4 hours – If no video or audio activity and no user interaction occur for 4 hours, the TV goes into standby mode.

### Standby LED On/Off

Normally, the status indicator is lit whenever the TV is in standby mode. If you prefer the status indicator to not be lit in standby mode, you can turn it off. To do so, from the Home screen, navigate to **Settings > System > Power > Standby LED, and then select Off**.

After making this change, the status indicator still performs all other indication functions.

### Fast TV start

Only in connected mode on TV models that are not Energy Star certified, you can enable **Fast TV start**. As you might expect, **Fast TV start** lets you start watching your TV almost instantly after turning it on. But it also enables other convenient features, such as the ability to turn on your TV using voice commands or the Roku mobile app.

Be aware that enabling Fast TV start makes your TV use somewhat more power when it is powered off to standby mode.

## Other information

### Battery Caution and Disposal Information

- For best results, use alkaline batteries.
- Install only new batteries of the same type in your product.
- Failure to insert batteries in the correct polarity, as indicated in the battery compartment, may shorten the life of the batteries or cause batteries to leak.
- Do not mix old and new batteries.
- Do not use Rechargeable (Nickel Cadmium) or (Nickel Metal Hydride) batteries.
- Do not mix Alkaline, Standard (Carbon-Zinc) or Rechargeable (Nickel Cadmium) or (Nickel Metal Hydride) batteries.
- Do not dispose of batteries in fire.
- Recycle or dispose of batteries as per state and local guidelines.

### Care and Cleaning

- Caution: Turn off your TV before cleaning.
- Clean the TV as needed using a soft lint-free cloth. Be sure to occasionally dust the ventilation slots in the cabinet to help assure adequate ventilation.
- **IMPORTANT:** Never use strong cleaning agents, such as ammonia-based cleaners, or abrasive powder. These types of cleaners will damage the TV.
- The TV's screen may be cleaned with a soft, lint-free cloth as well. Take care not to scratch or mar the screen. If necessary, you may use a cloth dampened with warm water. While cleaning, do not spray liquid directly on the screen, or allow liquid to run down the screen and inside the TV. Also, never place drinks or vases with water on top of the TV. This could increase the risk of fire, shock hazard or damage to the TV.

### Television Specifications

- Broadcasting system: US System NTSC-M, ATSC standard (8VSB), QAM
- Receiving Channels: VHF2-13, UHF14-69, CATV 14-36 (A)-(W), 37- 59 (AA)- (WW), 60-85 (AAA)-(ZZZ), 86-94 (86)- (94), 95-99 (A-5)-(A-1), 100-135(100)-(135), 01 (4A)
- Tuner type: Frequency synthesized
- Operating Temperature: 5°C to 35°C (41°F to 95°F)
- Operating Humidity: 20% to 80%, non-condensing
- Storage Temperature: -15°C to 45°C (5°F to 113°F)
- Storage Humidity: 10% to 90%, non-condensing

#### 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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