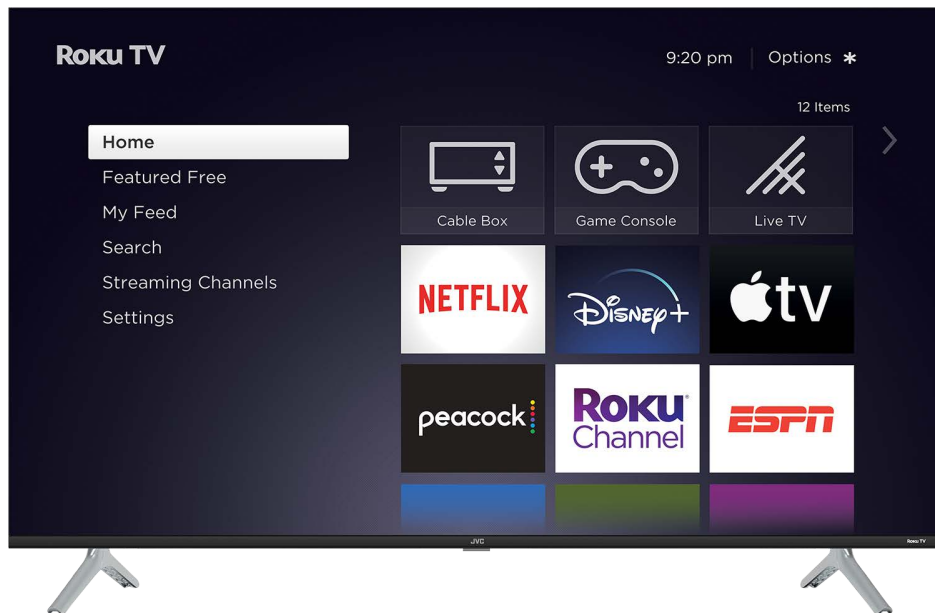# JVC • Roku TV

# User Guide

- **LT-24EC3226**
- **LT-43EC3326**

- **LT-32EC3226**



Version 11.5

*For Canada*

English

*illustrations in this guide are provided for reference only and may differ from actual product appearance.*

## Trademark and copyright statement

## CAUTION:
Use of controls, adjustments or procedures other than those specified herein may result in hazardous radiation exposure.

The lighting flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to the person.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**CAUTION**
RISK OF ELECTRIC
SHOCK DO NOT OPEN.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

**WARNING: TO REDUCE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**
**THE BATTERIES SHOULD NOT BE EXPOSED TO EXCESSIVE HEAT SUCH AS SUNSHINE, FIRE OR THE LIKE.**

This equipment is a Class II or double insulated device. It has been designed so that it does not require safety ground connection.

Warning: Changes or modifications to this unit not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

(1) This device may not cause interference; and
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to ISED Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by tuming the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

IC Radiation Exposure Statement
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Notice to OEM integrator
Must use the device only in host devices that meet the ISED RF exposure category of mobile, which means the device is installed and used at distances of at least 20cm from persons.
The end user manual shall include ISED RSS GEN compliance statements related to the transmitter as show in this manual.
Host manufacturer is responsible for compliance of the host system with module installed with all other applicable requirements for the system such as ICES 003.
Host manufacturer is strongly recommended to confirm compliance with ISED requirements for the transmitter when the module is installed in the host.

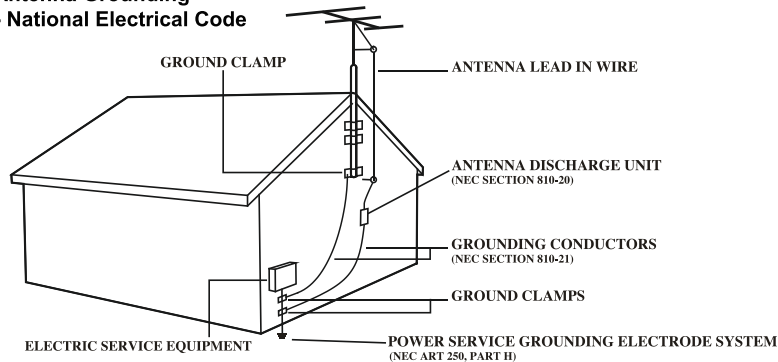Must have on the host device a label showing Contains IC ID:12290A-WC5F

# IMPORTANT SAFETY INSTRUCTIONS
## Read before operating equipment

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety.
   If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manu-facturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, (delete "or if ")the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).
16. **Damage Requiring Service** - The appliance should be serviced by qualified service personnel when:
    A. The power supply cord or the plug has been damaged;
    B. Objects have fallen or liquid has been spilled into the appliance;
    C. The appliance has been exposed to rain;
    D. The appliance does not appear to operate normally or exhibits a marked change in performance;
    E. The appliance has been dropped or the enclosure damaged.

17. **Tilt/Stability** - All televisions must comply with recomm-ended international global safety standards for tilt and stability properties of its cabinet design.
    • Do not compromise these design standards by applying excessive pull force to the front, or top, of the cabinet, which could ultimately overturn the product.
    • Also, do not endanger yourself, or children, by placing electronic equipment/toys on the top of the cabinet. Such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.
18. **Wall or Ceiling Mounting** - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
19. **Power Lines** - An outdoor antenna should be located away from power lines.
20. **Outdoor Antenna Grounding** - If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.
    Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding connectors, location of antenna-dischargeunit, connection to grounding electrodes, and require-ments for the grounding electrode. See Figure below.
21. **Object and Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the en-closure through openings.
22. **Battery usage CAUTION** - To prevent battery leakage that may result in bodily injury, property damage, or damage to the unit:
    • Install all batteries correctly, with + and - aligned as marked on the unit.
    • Do not mix batteries (old and new or carbon and alkaline, etc.).
    • Remove batteries when the unit is not used for a long time.
23. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
24. The socket-out shall be installed near the equipment and shall be easily accessible.

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**Note to the Cable TV system installer:** This reminder is provided to call the Cable TV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

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**Example of Antenna Grounding as per NEC - National Electrical Code**

GROUND CLAMP

ANTENNA LEAD IN WIRE

ANTENNA DISCHARGE UNIT
(NEC SECTION 810-20)

GROUNDING CONDUCTORS
(NEC SECTION 810-21)

GROUND CLAMPS

ELECTRIC SERVICE EQUIPMENT

POWER SERVICE GROUNDING ELECTRODE SYSTEM
(NEC ART 250, PART H)

# Contents

# Welcome

Congratulations on the purchase of your new Roku TV! Discover the joy of endless entertainment. After it is set up, you'll be able to access a world of streaming entertainment that may include paid subscription channels and thousands of free channels.

Important: *If you connect your TV to the Internet and link it to a Roku account, your TV receives automatic updates from time to time, enabling new content and features. This edition of the User Guide describes Roku TV version 11.5. To determine the current version of your Roku TV, go to Settings > System > About after you complete Guided Setup. Note also that certain features of the TV might change from time to time independently of Roku TV updates. Note also that certain features of the TV might change from time to time independently of Roku TV updates.*

## The new standard in Smart TVs

Welcome to TV like you've most likely never seen before—a home screen that you can personalize with your favourite devices and streaming channels. Choose from hundreds of thousands of streaming movies and TV episodes, plus music, sports, kids, family, international and much more. You should never run out of things to watch.

Note: *A paid subscription or other payments may be required for some channel content. Channel availability is subject to change and varies by country.*

# Get the most out of your new TV

Follow these steps to get the most out of your new TV.

- Connect to the Internet
  - It's easy, and it will unlock a world of entertainment. All you need is a network connection. Stream a massive selection of free, live and premium TV.

- Customizable Home screen
  - Put your favourite streaming channels and TV inputs front-and-centre on the Home screen. Choose your own wallpaper and screensaver to customize your Roku TV—even reorder your channels and inputs just how you want them.

- Quick and easy search
  - Find any movie, show, song, or podcast across thousands of channels. You'll see where it's streaming for free or at the lowest cost.

- Control your TV with voice commands
  - Use your Roku Voice Remote (select models) to issue voice commands. Or with any Roku TV, use the free Roku mobile app, Amazon Alexa, or Google Assistant for voice interactions. Use conversational voice commands to search for programs by title, actor, director, or genre. On selected streaming channels, you can search without leaving the current channel. Your search results appear in the lower portion of the screen. The current channel's results appear first followed by results from other channels.

- Use Apple AirPlay 2 with your iOS and MacOS devices
  - Effortlessly share videos, photos, music, and more from Apple devices on Roku TVs[1]. Control AirPlay sessions with pause, rewind, and more using your iPhone, iPad, or Mac. Play music from your Apple devices on Roku TVs and other AirPlay 2 enabled speakers in your home at the same time in perfect sync. Plus, mirror the screen from your iPhone, iPad, or Mac to the big screen.
- Send your personal media to the big screen
  - Send personal photos, videos, and music from your compatible smartphone or tablet to the TV screen in just a few taps. Plus, with certain channels, you can send movies, programs, sport highlights, and more directly to your TV.
- Take charge with the Roku mobile app
  - Control your TV from your compatible smartphone or tablet with the free mobile app for iOS® and Android™ mobile devices2. Browse channels and search for programs more easily using your mobile device's keyboard and Voice Search.3
  - Use wireless private listening to listen to TV audio through either wired or Bluetooth headphones connected to your mobile device.
  - Mirror your compatible smartphone or tablet on your TV. Share videos, photos, web pages, and more from compatible devices.

    Go to support.roku.com for device compatibility information.

- Pause live TV
  - Pause, resume, fast forward, and rewind TV programs by connecting your own USB drive to the TV and pause live TV for up to 90 minutes.

    Note: *Live TV Pause is available on digital TV programs received on the ANT input, and only when the TV is linked to a valid Roku account.*

Let's get started.

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1 Apple AirPlay 2 and HomeKit are supported by Roku TVs except for models beginning with "6" (6*XXXX*) and "5" (5*XXXX*).
2 IOS® is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license. Android™ is a trademark of Google Inc.
3 Voice features support English language only.

# Connections and setup

## Main features

- wide screeen for a complete home theater experience Super
- slim LCD TV with LED backlight
- 720p(24", 32"), 1080p(43") native resolution for HD
- performance Integrated ATSC TV tuner for HDTV broadcast
- reception HDMI inputs for true digital connections

## Accessories

Infrared Remote Control.................................. 1
Quick Start Guide............................................. 1
Battery (AAA)..................................................... 2
RCA - to - Mini AV adapter..................................1

| Viewing Picture Size(diagonal) | 24" Class 23.6" diagonal | 32" Class 32" diagonal | 43"Class 43" diagonal | |
|---|---|---|---|---|
| Resolution | 1366 x 768 | | 1920 x 1080 | |
| Aspect Ratio | 16:9 | | | |
| TV System | ATSC Digital system and NTSC Analog system | | | |
| Video Signal System | NTSC | | | |
| Receiving Channel | Cable: 1-135/Air: 2-69(ATV&DTV) | | | |
| Maximum Power Consumption | 35 W | 45 W | 75 W | |
| Input Power Voltage | 120V ~ 60Hz | | | |
| Audio Output Power (THD≤7%) | 2 x 5 W | 2 x 8 W | | |
| High-Definition Multimedia Interface (HDMI) Input | x3 | x3 | x3 | |
| Composite Video / Audio Input | x1 | x1 | x1 | |
| Headphone Output | x1 | x1 | x1 | |
| Optical Output | x1 | x1 | x1 | |
| USB 2.0 Input | x1 | x1 | x1 | |
| VESA Mounting Dimensions LxH | 200 x 100 mm | 100 x 100 mm | 200 x 200 mm | |

This product is manufactured, distributed, serviced and warranted exclusively by E & S International, Inc., either directly or through JSP, LLC.

"JVC" is the trademark of JVCKENWOOD Corporation, used by such company under license.

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.

## 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 adaptor (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:*

- HDMI® input – Digital HD and SD video
- AV input (*select models only*) – analog SD video
- Antenna input – SD video using NTSC/ATSC

# Connecting external equipment with a composite AV video cable

*Only on select models* connect a device to the TV using a composite AV cable (not provided). Composite AV cables typically have three RCA-type plugs on each end, colour 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: *Some TV 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 labelled 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 labelled 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 (select models)

*Only on select models*, 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 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 adaptor.

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

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.
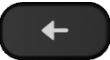
## Roku TV remote

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 🎤 button 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 | Menu: Goes back to previous menu/screen.<br>Watching live TV or a TV input: Returns to Home screen.<br>Playing streaming content: Stops playing stream and returns to the previous menu or screen.<br>Browsing streaming content: Goes to the previous level in the content tree. |
| ⌂ | HOME | Immediately returns to the Home screen. |
| ◄ OK ► | DIRECTIONAL PAD | Arrows move the highlight in the corresponding direction. OK chooses the highlighted option.<br><br>*While watching TV:*<br>UP/DOWN changes channel.<br>LEFT displays Live TV Channel Guide (connected mode) or channel list (non-connected mode).<br>LEFT/RIGHT In the channel list switches between ALL CHANNELS and FAVOURITE CHANNELS.<br>*If Live TV Pause enabled:* When program is paused, jumps backward/forward approximately 10 seconds.<br>OK In the channel list selects the highlighted channel. While watching live TV, displays program information. |
| 🎤 or 🔍 | VOICE or SEARCH | *Only on models with Roku Voice remotes*, initiates Roku Voice. Hold down the button and use your voice to control the TV and search for content. For more information: go.roku.com/voicesearch |

| BUTTON | FUNCTION | DESCRIPTION |
|--------|----------|-------------|
| ↻ | REPLAY | Live TV: Jumps to previously tuned channel. If Live TV Pause is enabled, jumps back a few seconds with each press and resumes playing.<br><br>Program guide: Returns to the current day and time.<br><br>Streaming content: Depends on streaming app.<br><br>On-screen keyboard: Backspaces in the text you are entering. |
| ◄◄  ►II  ►► | ◄◄ REWIND<br><br>►II PLAY/PAUSE<br><br>►► FAST FWD | Scan backward, pause, play, and scan forward in streaming content and live TV channels (if Live TV Pause is enabled).<br><br>Press REWIND ◄◄ or FAST FWD ►► one, two, or three times to control the speed of the operation.<br><br>Note: REWIND ◄◄ and FAST FWD ►► also jump page through long lists such as the channel list or Live TV Channel Guide. |
| ✳ | STAR | Displays additional options when available. A hint in the upper right corner of the screen lets you know when this button is active. |
| 🎮 | GAME MODE | *Only on HDMI and AV inputs on select models*. Turns Game mode on or off. When On, the TV does less image processing, producing lower input lag for action games |
| 🌙 | SLEEP | *Select models*. Cycles among preset sleep time intervals and displays the remaining sleep time, if any. |
| [blue] [green] [red] [purple] | FACTORY ASSIGNED CHANNEL SHORTCUT | Dedicated buttons show the logo of a preset streaming content provider. Dedicated content providers vary by model and region. Pressing a button turns on the TV and<br>• Displays the streaming channel's main page if you have already added the channel to your Home screen.<br>• Displays the streaming channel's sign-up page if you have not already added the channel. |

| BUTTON | FUNCTION | DESCRIPTION |
|---|---|---|
| | 🔊 UP<br><br>🔉 DOWN<br><br>🔇 MUTE | Located on the right edge of the remote. Increases/decreases volume and mutes the TV sound. |
| | 🎧 HEADPHONE | *Select models with Roku Enhanced Voice Remote or Roku Voice Remote Pro.* Located on the left edge of the remote. Connect headphones to listen privately. Plugging in headphones mutes the TV speakers. |

# Panel buttons

Your TV has buttons on the side, bottom, or back panel 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.

Different TV makes and models have different panel button designs. Choose the one that applies to your TV from the following list:

| BUTTON DESIGN | FUNCTION | OPERATION |
|---|---|---|
| **Single button** | Power on | Short press (less than 2 seconds) |
| | Power off | Long press (more than 2 seconds) |
| | Input List | Short press when TV is on |
| | Select next input | Short press while Input List displayed, then wait |
| | Dismiss input list | No press (wait) |
| **Three buttons** | Power on | Middle button, short press (less than 2 seconds) |
| | Power off | Middle button, long press (more than 2 seconds) |
| | Volume up | Right button when Input List is not displayed |
| | Volume down | Left button when Input List is not displayed |
| | Input List | Middle button, short press when TV is on |
| | Highlight next input | Right button while Input List is displayed |
| | Highlight previous input | Left button while Input List is displayed |
| | Select highlighted input | Middle button (or wait) |

| BUTTON DESIGN | FUNCTION | OPERATION |
|---|---|---|
| **Game pad style (5 buttons)** | Power on/off | Middle button |
| | Increase/decrease volume | Up/down button |
| | Input List | Left/right button |
| | Select input | Left/right button while Input List is displayed, then wait |
| **Four discrete buttons** | Power on/off | POWER |
| | Input List | INPUT |
| | Select next input | INPUT while Input List is displayed, then wait |
| | Volume up | VOLUME + |
| | Volume down | VOLUME – |
| **Five discrete buttons (with mute)** | Power on/off | POWER |
| | Input List | INPUT |
| | Select next input | INPUT while Input List is displayed, then wait |
| | Volume up | VOLUME + |
| | Volume down | VOLUME – |
| | Mute | MUTE |
| **Five discrete buttons (without mute)** | Power on/off | POWER |
| | Input List | INPUT + or INPUT – |
| | Select next input | INPUT + while Input List is displayed, then wait |
| | Select previous input | INPUT – while Input List is displayed, then wait |
| | Volume up | VOLUME + |
| | Volume down | VOLUME – |
| **Seven discrete buttons** | Power on/off | POWER |
| | Next channel | CHANNEL + while viewing a Live TV channel |
| | Previous channel | CHANNEL – while viewing a Live TV channel |
| | Input List | INPUT |
| | Select next input | INPUT or CHANNEL + while Input List is displayed, then wait |
| | Select previous input | CHANNEL – while Input List is displayed, then wait |
| | Volume up | VOLUME + |
| | Volume down | VOLUME – |
| | Mute | MUTE |

# 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.
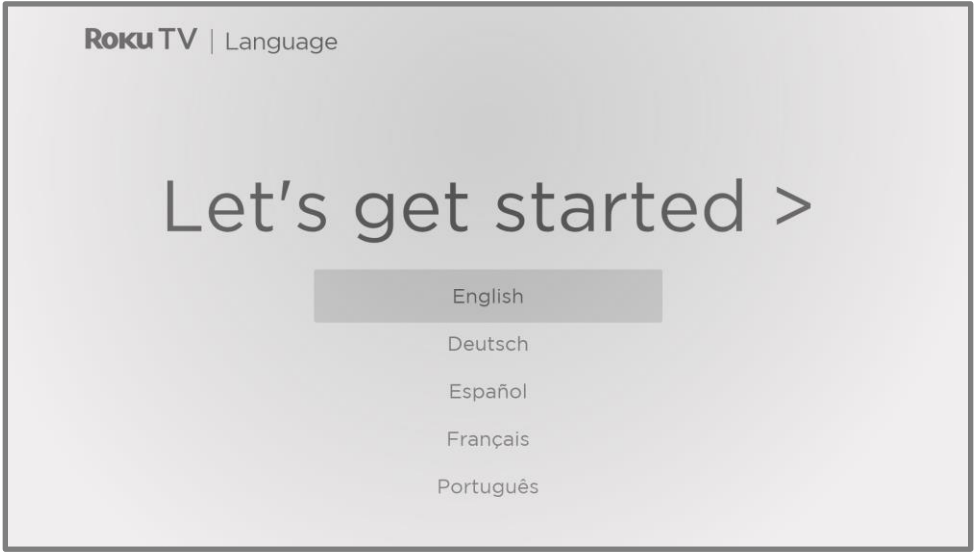
1. *Only on models that have a Roku Voice remote:* A few moments after the L<small>ET'S GET STARTED</small> screen appears, Guided Setup starts the pairing process for the Roku Voice remote. (You'll know if you have this type of remote because it has a V<small>OICE</small> 🎙 or S<small>EARCH</small> 🔍 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.

2. Press D<small>OWN</small> on the purple directional pad to highlight your preferred language, and then press O<small>K</small>.

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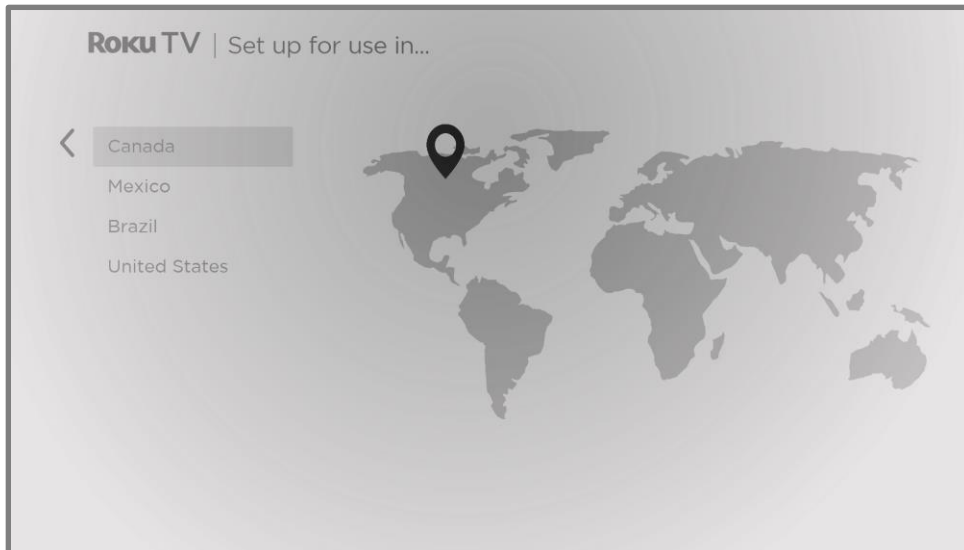


If you see this screen, select your country and then press O<small>K</small>.

4. Press O<small>K</small> to select S<small>ET UP FOR HOME USE</small>. 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.
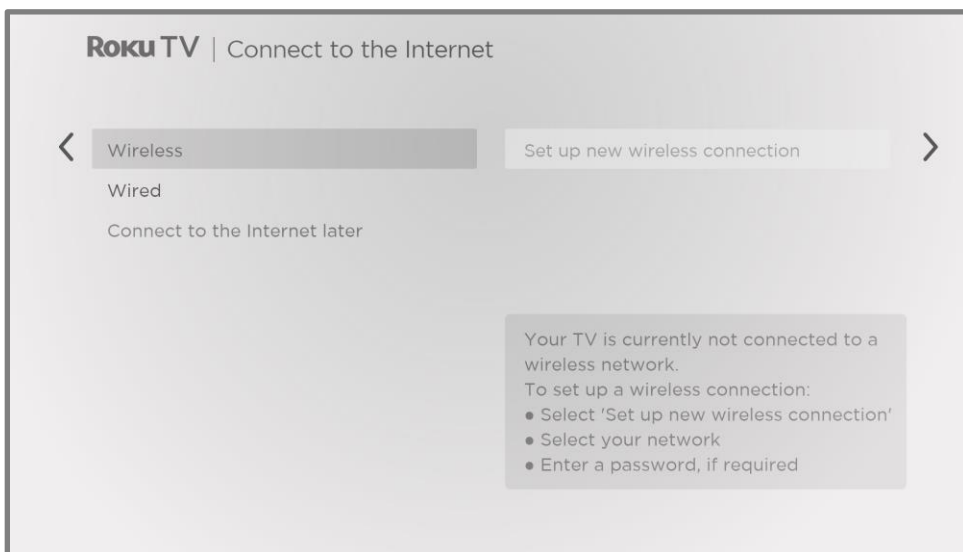
5. *Only on models that display the Connect to the Internet screen:* Make a selection:

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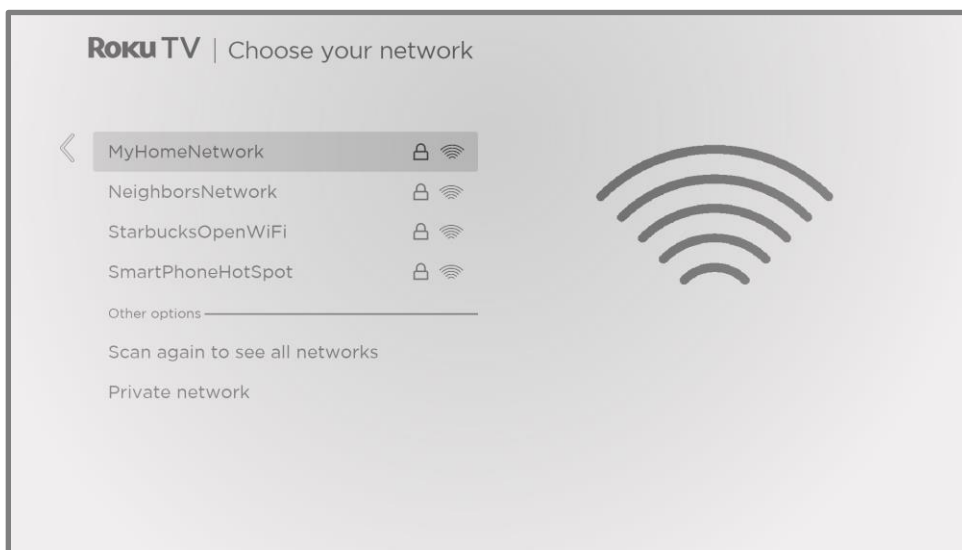
Press UP or DOWN to highlight the name of your wireless network, and then press OK to select it.

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*](#)*.*

## Other options

- 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 all networks appears 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 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 and then press OK to display an on-screen keyboard. Use the keyboard 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.*
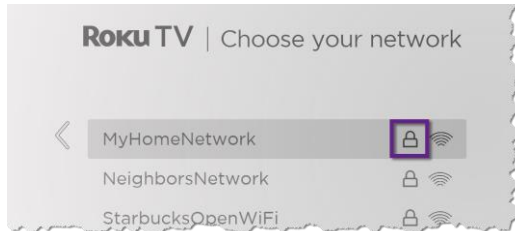


7. *Only if you select a password protected wireless network:* An on-screen keyboard appears. Enter your wireless network password by using the purple directional pad to navigate the keyboard, and pressing OK to select a highlighted letter, number, or symbol. When you finish, press DOWN to select Connect,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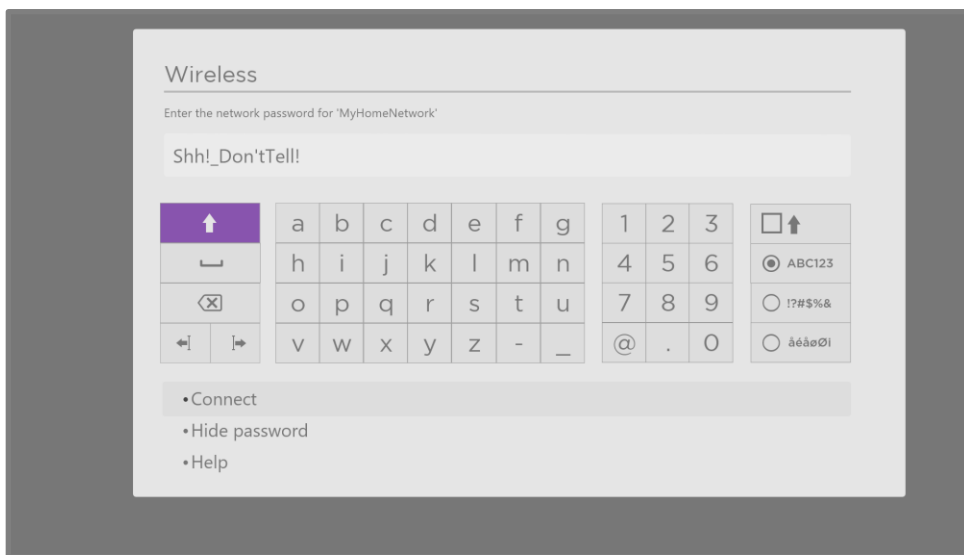


After you select Connect, the TV displays progress messages as it connects to your wireless network, your local network, and the Internet.

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.
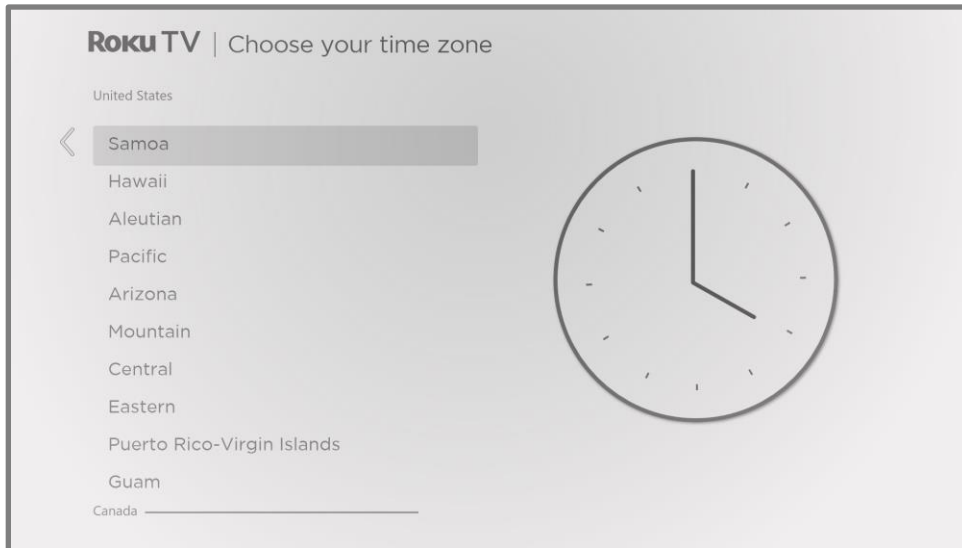


Tips: *Your TV needs to know the local time zone so that it can correctly display information about the program you are currently watching.*

*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 11.5. But also note that certain features of the TV might change from time to time independently of Roku TV updates.*

*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 [Will I be charged for customer service or device activation?](#)

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## Why do I need a Roku account?

You need a Roku account for several reasons:

- It links you, your Roku TV, and your other Roku streaming devices to The Roku Channel Store and billing service.
- Streaming content providers know that it's OK to send content you request to your Roku TV.
- Roku can automatically send updates to your device.

You need a Roku account to activate your device and access entertainment across thousands of streaming channels. Linking to a Roku account also activates several advanced features on your TV, such as Guest Mode, the Roku mobile app and Live TV Pause, to name just a few. Roku accounts are free. Providing your credit card information during signup makes renting, purchasing and subscribing to entertainment from the Roku Store fast and convenient.

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After you activate your it, the TV gets an acknowledgement, and then adds your newly-selected and preexisting streaming channels from other 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: *Roku periodically synchronizes streaming channels among all of the devices associated with your account. Therefore, adding or removing a channel from one of your Roku devices adds or removes it from all of your other Roku devices (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.
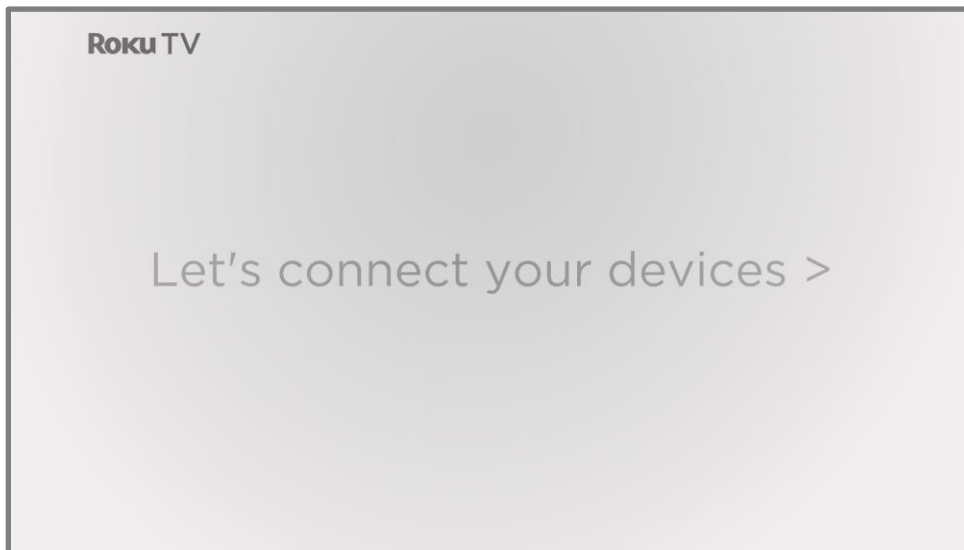


10. Press OK to proceed.
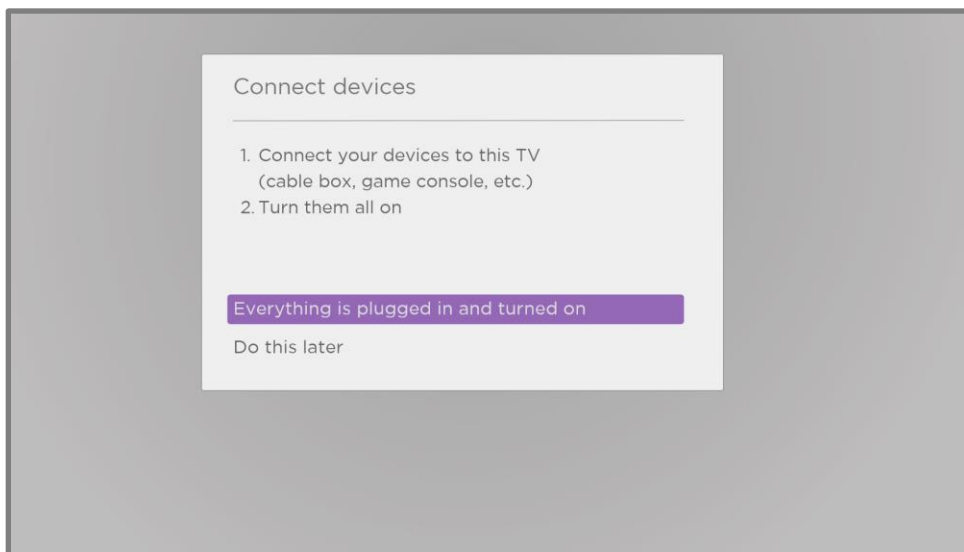
11. Connect all the devices you plan to use with your TV, turn them all on, and then select Everything is plugged in and turned on. The TV now takes you step by step through each of its inputs and asks what kind of device you have connected. For each input that has a connected and active device, you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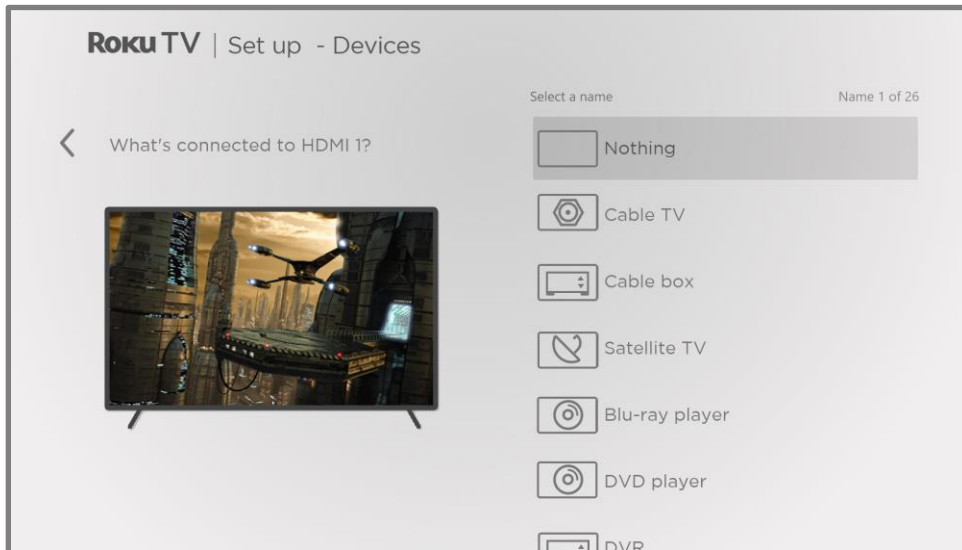


12. Press UP or DOWN to highlight the label you want to associate with the input, and then press OK. If you are not using the input, select Nothing, and the input won't appear on the Home screen.

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 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.

Roku TV

## All done

Enhance your streaming experience with the Roku mobile app.

GET IT ON Google Play     Download on the App Store
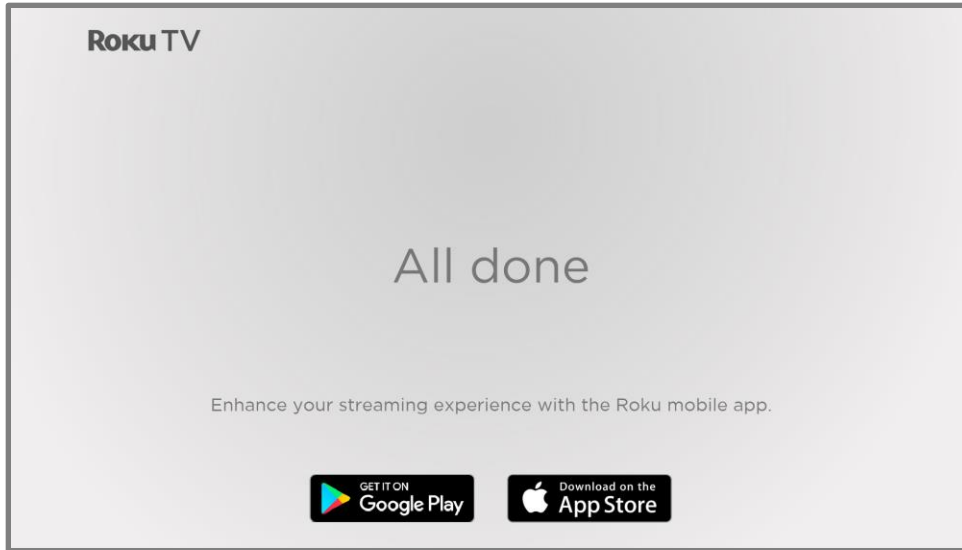
From here, you can explore everything your TV has to offer. Use the purple directional pad to move around and then press OK to select a highlighted item. Press HOME ⌂ from whatever you are viewing to return to the Home screen.

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.*
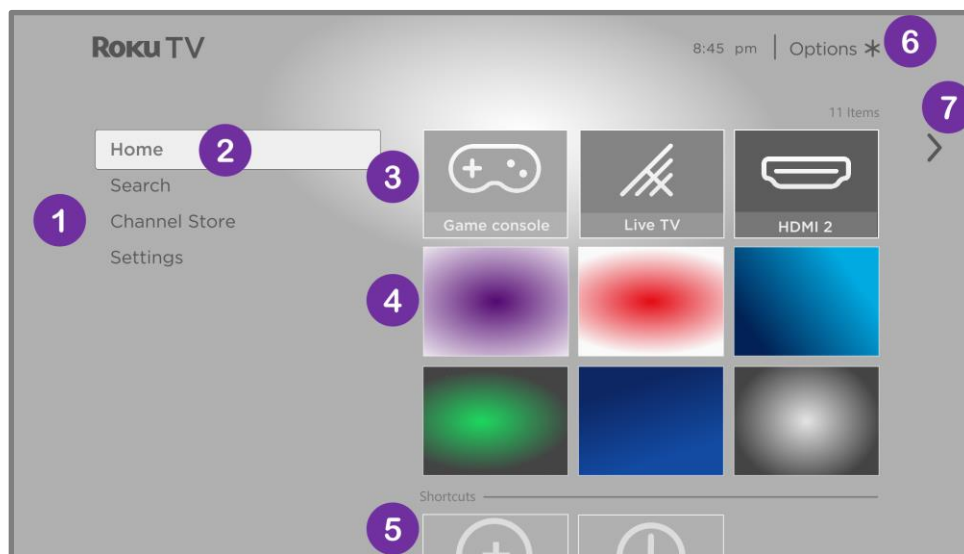


Typical Home screen, connected mode

Note: *The options appearing in the left navigation area vary by geographic location and might change from time to time.*

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 inputs—select an input to watch the connected device.
4. Streaming channels and apps—select and item and press OK to go to open it. You can add any number of channels from the [Roku Channel Store](#).
5. Shortcuts—direct access 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.
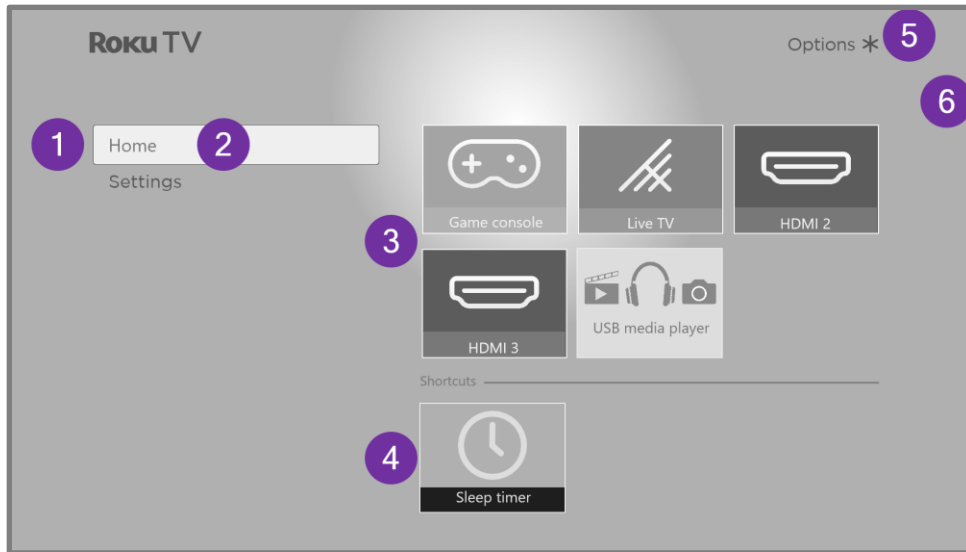
Typical Home screen, non-connected mode

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 inputs—select an input and press OK to watch the connected device.
4. Shortcuts—direct access 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.

## Customize your Home screen

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

- *Only in connected mode:* Add streaming channels by using the Channel Store 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.

- Hide Home screen shortcuts. Hide or show the shortcuts that appear at the bottom of your Home screen.

- Remove an item by highlighting it and pressing STAR ✱. Then highlight Remove input or Remove channel and press OK.

- Move an item by highlighting it and pressing STAR ✶. Then highlight Move input or Move channel and press OK. Use the purple directional pad to move the item and then press OK to lock it in its new location. Move the shortcuts 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 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 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.

  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 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 might 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."*

# 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[1]. You'll never run out of something new to watch.

### Check out The Roku Channel

Use The Roku Channel as your new home page for an ever-growing assortment of free on-demand and streaming movies, programs, live news and kid's TV.

### Get in the groove

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

### Explore your passions

In addition to the most popular streaming channels, your Roku TV also offers hundreds of other streaming channels to fuel your passions—including fitness, cooking, religion, outdoors, international programming and much more.

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1 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.

# Take advantage of awesome features

Powerful, voice-enabled search lets you use voice commands to find movies and TV programs by title, actor, director, or genre across multiple streaming channels[1]. Additionally, your search commands can include popular movie quotes, and words like "free" and "4K."

Voice commands with multiple device support let you use Apple Siri[2], Google Assistant, or Amazon Alexa to change stations, TV inputs, launch streaming channels, and more. Include a location in your command such as "in the bedroom" to specify which Roku device you want to control.

Automatic account linking keeps track of supported streaming subscriptions on other Roku devices, so that you won't have to re-enter your user name and password when adding the same channel on your newly-activated Roku TV.[3]

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.

Mobile Private Listening on the Roku mobile app lets you listen to streaming programs and "over-the-air" TV programs from the Live TV input on wired or Bluetooth headphones (not provided) connected to 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, and you can also watch live streaming channels and events. Also, you can play, pause, rewind, and fast forward most on-demand streaming programs.

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1 Voice features support English and Spanish languages.
2 Roku 4K TVs only.
3 Not all streaming channels currently support automatic account linking.

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

- Thousands of movies and TV episodes, both live and on-demand
- Unlimited music, live and on-demand
- Tons of live and on-demand sports
- Commercial-free programming for kids and family
- International programming in 22 languages
- 24x7 news and in-depth news commentary

Many streaming channels are free. Some streaming channels let you purchase or rent the latest movie releases or popular TV series. Some channels 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 streaming provider, you can just sign in with your existing user name and password.

To play streaming content, add one or more streaming channels to your Home screen. Use the Add Channels shortcut on the Home screen or the Channel Store option on the Home screen menu to go to the 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, 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 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. You can highlight and select the Connect Now option to get started.

- Use the Connect and activate now option. From the Home screen menu, select Settings, then Network, and then Connect and activate now.

- If you want to start over from the beginning, do a Factory reset, and then go through Guided Setup again. This time, select your home network when prompted.

# 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 input from the Home screen.

The first time you select the Live TV input, 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.

## Why do I have to set up the TV tuner?

Not everyone needs to use the TV tuner. For example, you might have a set top box provided by a cable or satellite company that receives all of your channels. Most of these set top boxes use an HDMI® connection.

More and more people are watching only streaming TV and do not have a TV antenna or cable/satellite service. If you don't need the TV tuner, you can bypass setting it up and instead remove it from the Home screen as explained in Remove unwanted inputs and channels.

When you set up live TV, the TV scans the signals on its antenna input for channels with a good signal, and adds those to the channel list, skipping dead channels and channels with a very weak signal.

The TV lets you add two analog channels, even if they have no signal, for the purpose of using an older set top box, VCR, or game console that can only output a signal on analog channel 3 or 4. Typically, you'll only need one of these channels, but both are provided to make setup simpler. You can hide the one you don't want as explained in Edit live TV channel lineup.

# 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 input. 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 I have an antenna, search for channels.
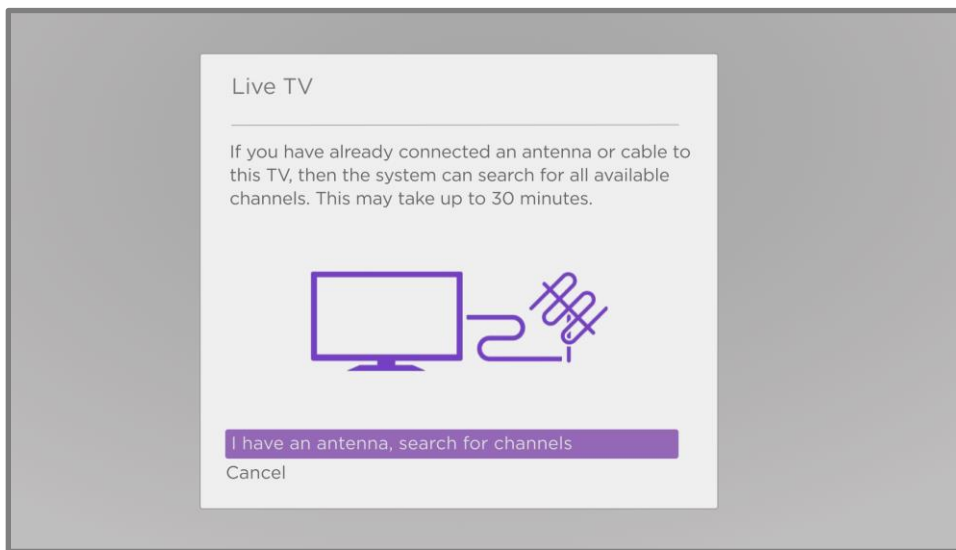


4. If prompted, select your time zone. You'll only need to do this if the TV can't figure out your time zone from your Internet connection.

Step 1 of 4: Select your time zone

Samoa
Hawaii
Aleutian
Alaska
Pacific
Arizona
Mountain
Central
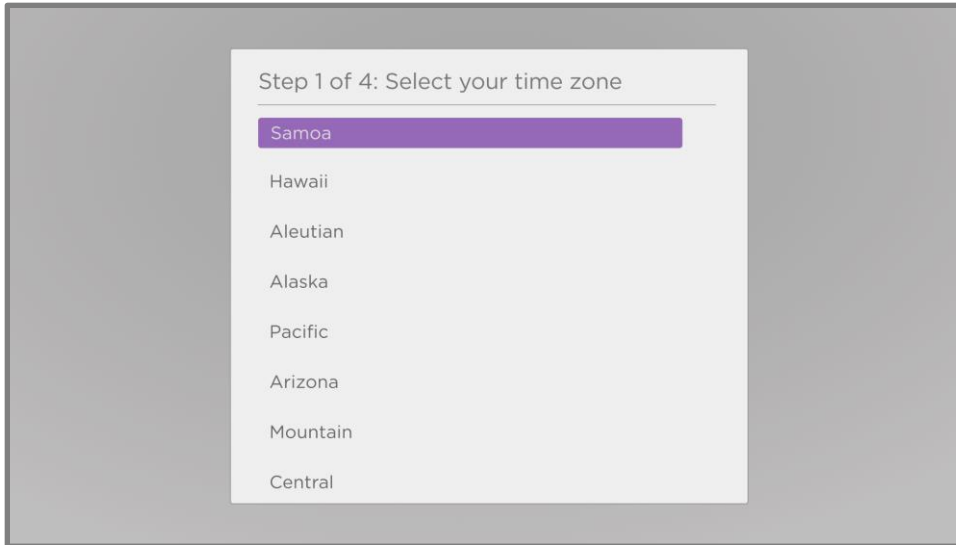
## Why does the TV need my time zone?

The TV needs to know your time zone so that it can correctly display time information about the program you are currently watching. In most cases, it can get the time zone automatically and skips this step.

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.



Step 2 of 4: Connect other equipment?

Are you connecting other equipment, like a VCR, that requires tuning to channel 3 or 4 to see it?

Yes, channels 3 & 4 are needed
No, channels 3 & 4 are not needed
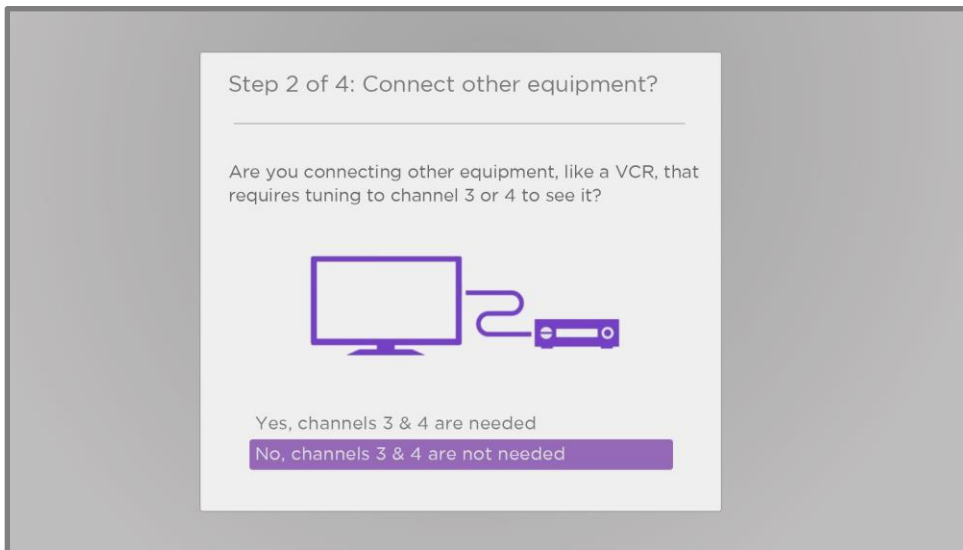
6. Wait while your TV scans for over-the-air channels …
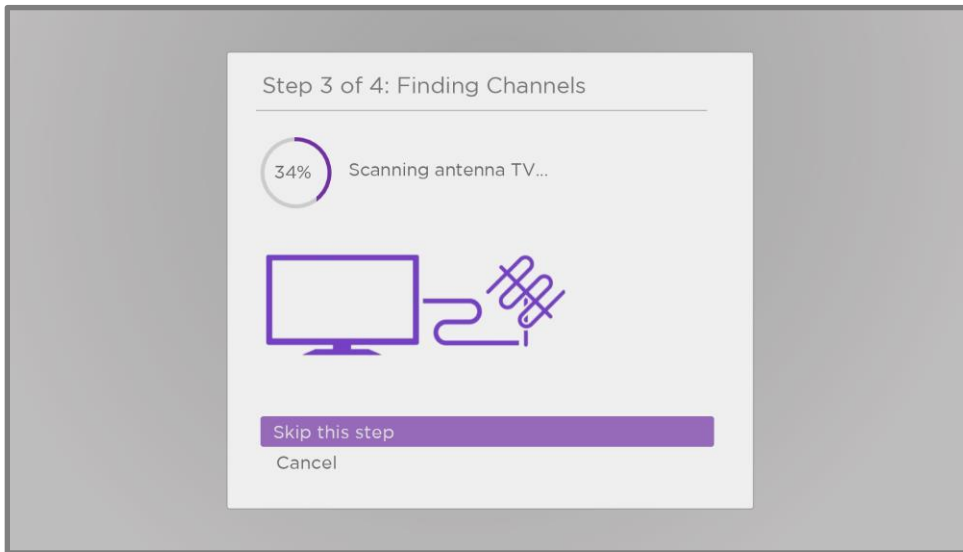


… and then cable TV channels.
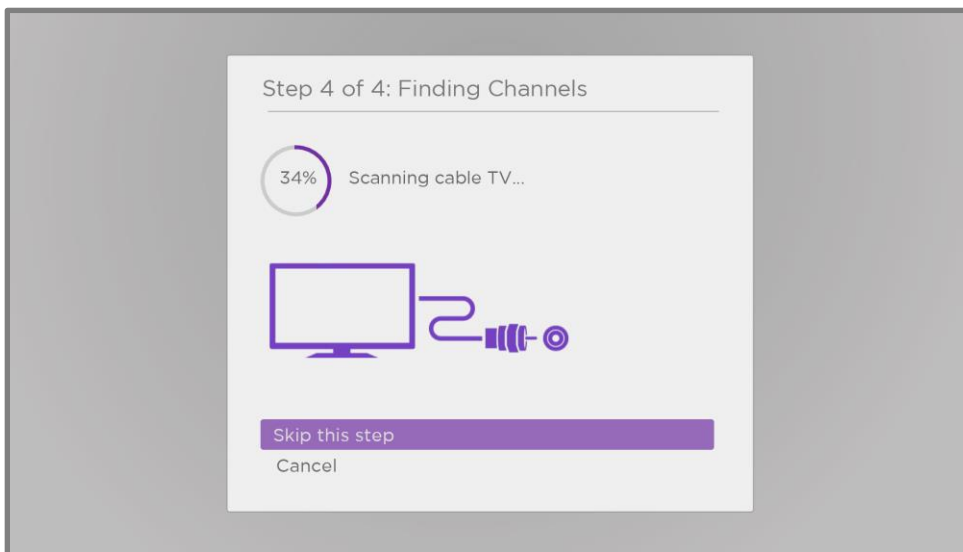


Scanning for channels can take several minutes.

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.
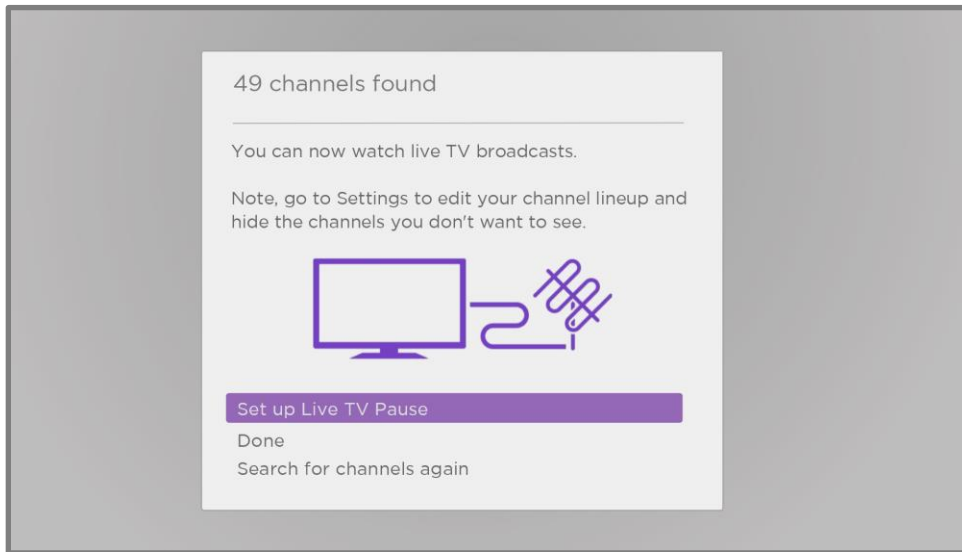


8. *Only in connected mode*, you have the option of setting up Live TV Pause. [Pausing Live TV](#) explains how to set up and use this feature. If you don't want to set up Live TV Pause, or if this option is not available to you, select Done to start watching live TV.

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 input, 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 input 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, and then press UP or DOWN to select a channel to watch. Or press REWIND ◀◀ or FAST FWD ▶▶ to jump through the channel list 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.

- Note: *If your TV did not come with a Roku Voice remote, you can order one from* *https://www.roku.com/en-ca/products/accessories/roku-voice-remote*.

# 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, but uses somewhat more power in standby mode. Fast TV start also gives you access to some additional features. For more information, see [Fast TV start](#).

# Watching live TV channels

Select the Live TV input on 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, and then press the arrow keys to select the channel or program you want to watch. Press REWIND ◀◀ and 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](#).*

# Favourite Channels

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

## Mark your favourite channels

You can make any channel a favourite whenever you're watching live TV channels.

1. Press LEFT 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 favourite.

3. Press STAR ✱. At this point, you'll see two options:
   - Add to favourites
   - Back

4. With Add to favourites highlighted, press OK. A FAVOURITE symbol ♡ appears adjacent to the channel to indicate that it is now a favourite.

5. Repeat these steps to add more favourite channels.

## Surf only your favourite channels

After you've marked one or more channels as favourites, you can switch to your favourite channels whenever you're watching live TV channels.

1. Press LEFT to display the channel list.

2. Press LEFT or RIGHT once to switch to Favourites. Notice that the word Favourites appears at the top of the channel list.

3. Highlight a channel and press OK to select one of the channels in the Favourites channel list, or wait a few moments until the channel list disappears.

4. Press UP or DOWN to change to the previous or next favourite channel. Each channel you select in this way is a favourite channel. Your channel surfing is limited to favourite channels only.

Your favourite 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 program, a FAVOURITE ♡ symbol appears below the channel number.

## Surf all channels again

You can switch back to all channels whenever you're watching live TV channels.

1. Press LEFT to display the channel list.

2. Press LEFT or RIGHT 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 UP or DOWN 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 favourites

You can remove a channel from your favourites whenever you're watching the Live TV input.

1. Press LEFT to display either channel list—All channels or Favourites.

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

3. Press STAR ✳ on your remote. At this point, you'll see two options:
   - Remove from favourites
   - Back

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

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

# Viewing program information

When you are viewing a program and no other guides or menus are open, press OK to view program information in a banner at the bottom of the screen. This program information appears both in connected and non-connected modes. The following illustration shows the information that is available:



Program information banner

This banner shows the channel number, station name and signal strength, program title, episode name and number and time graph. It also includes content information such as rating, resolution, audio format and more.

Tip: *If you've set up Live TV Pause and you're watching live 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 program

Press STAR ✷ to display the TV settings menu. Press UP or DOWN to highlight an option, and then press LEFT or RIGHT to change the setting. The topic [Adjusting TV settings](#) explains each of the settings in detail.

# Pausing live TV

*Only in connected mode on select TV models*, Live TV Pause gives your Roku TV the ability to pause, play, fast forward and rewind digital live TV received on the ANT input. You can pause live 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 flash drive (thumb 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 over an externally-powered hard disk drive. Note that you can use any larger size drive—there is no limit to the maximum size—but 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:

- After completing a channel scan, select Set up Live TV Pause from the available options.

- Press PLAY/PAUSE ▶ll on the Roku remote while watching a live TV channel.

- Highlight the Live TV input on the Home screen, press STAR ✱ 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 live TV channel, press PLAY/PAUSE ▶ll to pause or play the content. After the TV program has been paused for 90 minutes, the TV resumes playing from the point in the program where you paused it.

- 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 FWD ▶▶ to jump ahead up to the point where you are once again watching the live TV program.

- Press FAST FWD ▶▶ or REWIND ◀◀ repeatedly to cycle through 1x, 2x, and 3x skip speeds. Press REPLAY ↻ to play back the last several seconds of the program.

- When the program is paused, press LEFT or RIGHT to move backward or forward through the program approximately 10 seconds per press. Small frames appear across the screen to identify your location in the program.

Whenever you use any of the Live TV Pause features, the TV momentarily displays a progress bar:
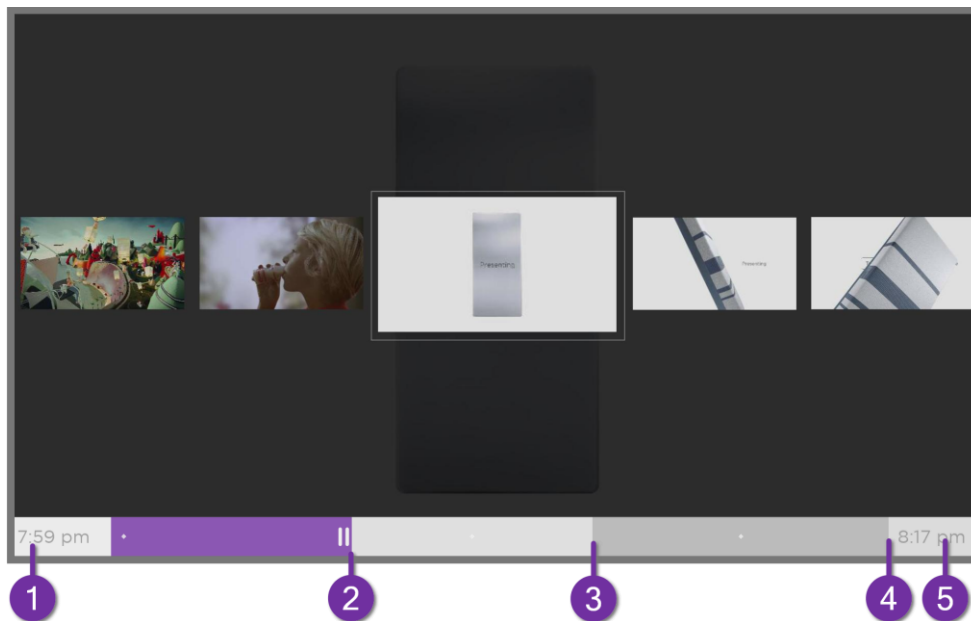


1. Time at the current playback position.
2. Current playback position
3. Extent of pause time, representing the amount of time this channel has been buffered, up to 90 minutes.
4. 90-minute mark, representing the maximum extent of pause time.
5. Current time.

The progress bar also shows tick marks at each half hour point, to help you locate the boundaries where one program 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.

- Disconnecting 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. To switch inputs, highlight the input on the Home screen and then press OK. The video signal on the input plays on the screen.

Tip: *To learn how to add, remove, rename and rearrange the inputs and channels 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.

## Auto-naming devices

When you connect and power on an HDMI device, your TV identifies it, automatically renames the input and changes its icon to suit the device. For more information, see [Rename inputs](#).

## Adjusting audio/video settings

While watching video content on any input, press STAR ✱ to display the TV settings menu. Press UP or DOWN to highlight an option, and then press LEFT or RIGHT to change the setting. To learn about each of the audio and video settings, see [Adjusting TV settings](#).

## Setting preferred audio language for streaming channels

You can select the preferred language for the audio played by streaming channels. If the selected language is available in the streaming content, the TV plays that language.

To set the preferred audio language:

1. From the Home screen menu, navigate to Settings > Audio > Audio preferred language.

2. Press RIGHT to highlight one of the languages.

3. Press UP or DOWN to highlight the language you want to use.

4. Press OK.

Note: *Many streaming channels have an option to select the language while you are watching a program. The Audio preferred language setting sets the default for that option.*

## Automatic game console configuration

Your TV automatically detects certain game consoles and configures the key features it supports to optimize TV performance while playing video games. When you connect a supported and powered-on game console through an HDMI® input, the TV automatically changes the input icon to the game console's icon[1]. *Only on selected models with compatible game consoles,* it also enables:

- Automatic low-latency mode (ALLM)
- Variable refresh rate
- HDR gaming
- High frame rate
- Game mode
- THX Certified game mode

Various combinations of these features are available only on select Roku TV models, and if present, can be disabled by navigating to Settings > TV inputs and then selecting the appropriate HDMI input.

When you start playing a game, your TV displays a message at the bottom of the screen to make you aware of the settings that it will use.

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1 Certain game consoles, such as the Microsoft Xbox One, do not communicate their identity until you select the input after connecting the console.
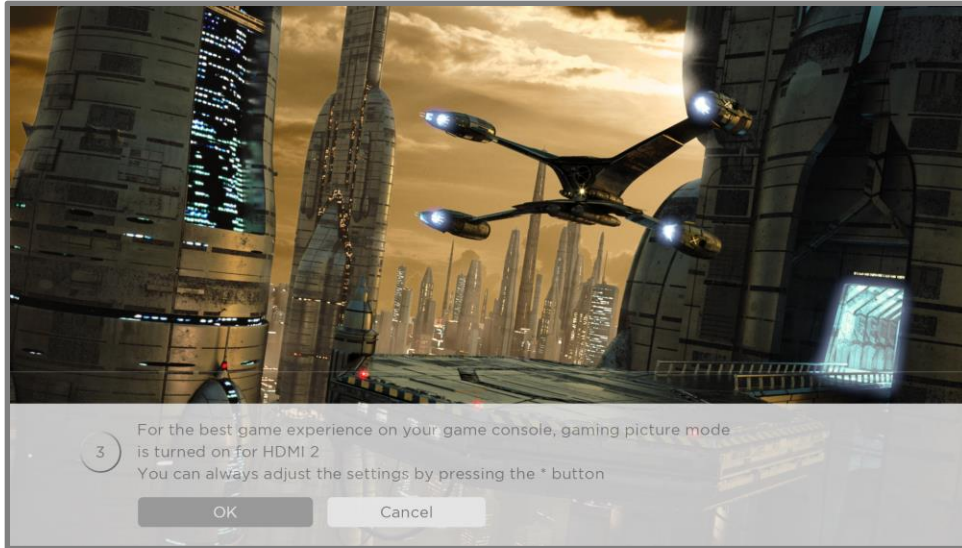
Select Cancel before the timer runs out to keep the current TV picture settings. For example, you might want to cancel automatic configuration if you are watching a movie from your game console.

# Using Roku Voice commands

Roku Voice commands[1] make it fast and easy to control your TV and find entertainment with simple voice commands like "show me comedies." Control your TV with commands like "switch to game console," or "watch channel 7.1." Use your Roku Voice remote, the Roku mobile app, or a compatible smart speaker to speak commands. When using a smart speaker, add "on my Roku" or, for example, "on my *bedroom* Roku" to the end of the command.

To learn what commands to use, watch out for hints that appear at appropriate times. For example, if you are in the TV settings menu with the Sleep timer command highlighted, a hint might appear explaining how to use a Roku Voice command to set the sleep timer. You can use Roku Voice commands at any time, without first calling up a menu.

Tap Voice 🎤 on your remote to see helpful hints about how to use Roku Voice and then explore these additional voice features:

- See what's on TV in the Live TV Channel Guide. Say "Show Guide."

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1 Roku Voice supports English, Spanish, Portuguese and German languages when the corresponding TV language is selected.

- Jump to a specific channel. Say "Go to 7 point 3" to open Live TV on channel 7.3. Or say, "CBC News." If there are multiple sources of a channel, you'll see a panel where you can choose the one you want.

- Use voice commands to launch streaming channels, switch inputs, or change live TV channels. Say, "Go to Netflix" to open Netflix. Or say, "Show This Old House" to go to that live program on The Roku Channel.

- Set sleep timers. For example, say "Turn the TV off in 30 minutes", or "Go to sleep at 11 p.m."

- Go directly to playing a program whenever your search command can be uniquely identified and the requested content is available at no additional cost to you.[1]

- *Only on 4K TVs*, say "Show me 4K movies" to see a list of 4K movies available across participating streaming channels.

- Use Roku Voice to make entries in a variety of on-screen keyboards. Keyboards that support voice entry have a microphone icon next to the input field. You can say letters, characters and numbers for an easy way to enter the required information. The TV displays helpful hints at appropriate times to provide guidance.

- Use voice commands to turn the display off (for enjoying streaming music), turn closed captions on or off, and to replay the last few seconds of a movie or TV program.

- Control the Roku Media Player to play your personal music and show movies and photos. Say commands like, "Play classic rock on Roku Media Player," "Skip ahead 20 seconds," or "Play the next song."

- Get help by pressing VOICE 🎤 and saying, "Help."

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1 Direct-to-playback commands spoken in English or Spanish work with selected streaming channels. Direct playback occurs only when there is a high confidence of match, the content is free or you are already subscribed and the channel is already added to your Home screen.

## Using Roku Voice with Apple Siri

Ask Siri on your Apple device to control your Roku TV with just your voice[1]. Say things like "Hey Siri, play jazz on the living room TV" to play music from your iPhone, iPad, Apple Watch, HomePod Mini, or Mac on your Roku TV.

Roku TVs also support Apple HomeKit[1], which allows you to easily and securely control your Roku device while using the Home app or Siri. After installing your Roku TV, set it up with just a few simple steps within the Apple Home app. You can even create your own custom automations and scenes that include HomeKit-enabled accessories such as your Roku TV, to control your home setting. For more information, see [Apple Home app](.).

## Using Roku Voice with Google Home

Use Google Home, Google Pixel phone, or the Google Home mobile app to control your Roku TV. You can search for movies and TV programs, launch most channels, control playback, adjust the volume, switch inputs, turn the TV on and off, and more. Control multiple Roku devices by including the location of the device in your commands. For example, say "Hey Google, turn off Roku in the bedroom." For information on linking and controlling your Roku TV, see [https://support.roku.com/article/360009649613-how-do-i-control-my-roku-streaming-device-with-the-google-assistant-](.).

## Using Roku Voice with Amazon Alexa

Use Amazon Echo Dot, Echo Plus, Echo Show, or the Amazon Alexa mobile app to control your Roku TV. You can search for movies and TV programs, launch most channels, control playback, adjust the volume, switch inputs, turn the TV on and off and more. Control multiple Roku devices by including the location of the device in your commands. For example, say "Hey Alexa, pause Roku in the living room." For information on adding the Alexa Roku skills and controlling your Roku TV, see: [https://support.roku.com/article/360017961074-how-do-i-use-amazon-alexa-with-my-roku-streaming-device-](.)

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1 Apple AirPlay 2 and HomeKit are supported by all Roku TVs except for models beginning with "6" (6*XXXX*) and "5" (5*XXXX*).

# Using Roku Voice Remotes (select models only)

*Only on TVs with the Roku Voice Remotes:* The following topics explain how to get the most out of your TV when it includes a Roku Voice Remote, Roku Enhanced Voice remote, or Roku Voice Remote Pro.

## 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.*

## Re-pairing your Roku Voice remote

The Roku Voice remotes operate with wireless radio-frequency signals and must be paired with your TV. You initially paired the remote when you set up your TV during Guided Setup. But if your remote loses its pairing with the TV for some reason, you can easily re-pair it using either of the following methods:

1. Remove the battery cover from the back of the remote.

2. Press and hold down the pairing button for 3 seconds or longer, until the adjacent LED lights up.

3. Do one of the following:

   - Turn on the TV using the power button on the TV side or back panel. Pairing occurs as the TV starts up.

   - Use the Roku mobile app or a different remote to navigate to Settings > Remotes & devices > Pair new device > Remote.

Tip: *If the remote fails to pair with the TV, try installing new batteries. Also, it's helpful to hold the remote within two to three feet of the TV to ensure successful pairing.*

## Checking the Roku Voice Remote battery level

You can check the condition of the batteries in your Roku Voice remote at any time by navigating to Settings > Remotes & devices, and then pressing OK to select your remote below My paired devices. With your remote selected, navigate right to About > Remote to view its Battery level. The resulting screen displays not only the battery level, but also other information that can be useful when you need technical support with your remote.

Tip: *When you first turn on the TV, a battery level indicator appears in the upper right corner of the screen for a few seconds.*

## Finding your Roku Enhanced Voice Remote or Voice Remote Pro

*Only on TVs with the Roku Enhanced Voice Remote or Voice Remote Pro*, when your remote has found its way down into the sofa cushions or your dog has hidden it in the corner, you can use the Find Remote feature to find out where it's hiding. This feature has a limited range, and is designed to find your Enhanced Voice remote somewhere in the same room as the TV.

Select Find Remote on the Settings > Remotes & devices > Remote settings menu to see brief instructions on how to activate the Find Remote feature. Note, however, that selecting this option doesn't actually activate the feature. Here are the complete instructions:

## Activate Find Remote

- If your TV has a joystick-style control, press to the Left or Right to open the Inputs menu, and then press Right to scroll down to Find Remote.

- If your TV has a column of labelled panel buttons, press the INPUT button to open the Inputs menu and then press the INPUT button again until you highlight Find Remote.
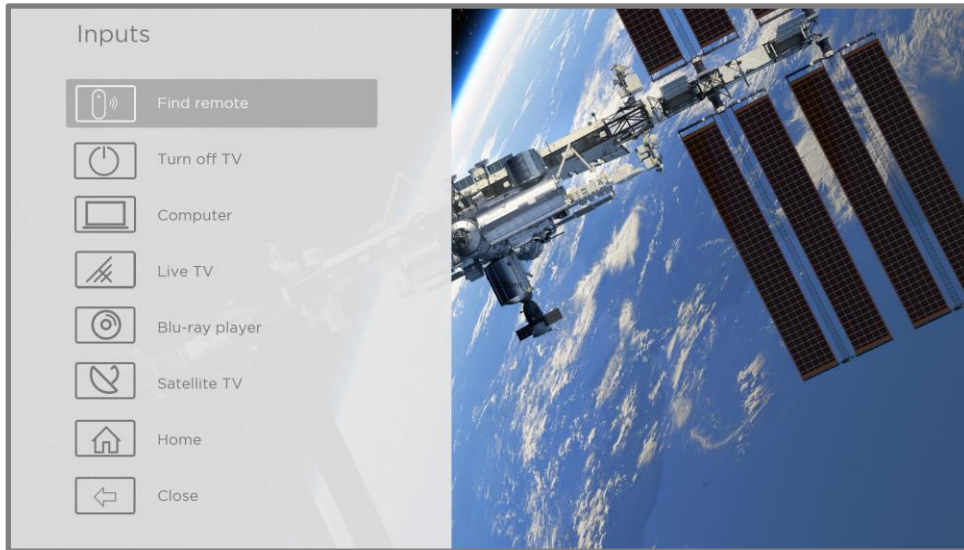


A moment or two after highlighting Find Remote, the remote starts playing your selected Find Remote sound to let you know where it is hiding. The sound automatically stops after a minute, or after you find the remote and press any button.

## Changing and previewing the remote finder sound

*Only on TVs with the Roku Enhanced Voice Remote or Voice Remote Pro*, you can customize the sound your remote makes when you use the Find Remote feature. To customize the sound, navigate to Settings > Remotes & devices > Remote settings > Change remote finder sound. Select the sound you want to use from the available settings.

To preview the sound you have chosen, select Preview remote finder sound, and then hold down OK on the remote to play the sound. When you release the OK button, the sound will stop.

# Playing content from USB storage devices

*Only in connected mode*, your Home screen has the Roku Media Player app. Otherwise, the Home screen has the USB Media Player app. With either player, you can play personal music, video and photo files from a personal USB flash drive or hard disk connected to the TV's USB port.

To use this feature, make sure your media files are compatible with the Roku/USB Media Player. To see the latest list of supported formats, view Help in the Media Player[1]. The Roku/USB Media Player displays supported file types only, and hides file types it knows it cannot play.

Note: *If you do not see the Roku Media Player on your Home screen, it might have been uninstalled. You can reinstall it from the Roku Channel Store by using the Channel Store menu option. The USB Media Player in non-connected mode cannot be uninstalled.*

For more information about playing back your personal videos, music, and photos, go to the following link on the Roku web site:

go.roku.com/rokumediaplayer

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1 There are many variants of each supported media format. Some variants may not play at all or may have issues or inconsistencies during playback.

## Auto player launch

*Only in connected mode*, you can set your TV to automatically open the Roku Media Player when you connect a USB drive with a recognizable file system (such as FAT16/32, NTFS, HFS+ or EXT2/3). To configure this setting, from the Home screen menu, navigate to Settings > System > USB media. At this point, the following options are available:

- Auto-launch – Select Prompt, On, or Off, as desired.

    - Prompt – (default) Display a prompt each time a recognized USB drive is connected. The prompt provides options to launch the Roku Media Player as well as to change future auto-play behaviour.

    - On – Always launch the Roku Media Player whenever you connect a recognized USB drive.

    - Off – Never launch the Roku Media Player automatically.

- Launch channel – Select the app you want to use to play back media files.

# Playing content from local network media servers

*Only in connected mode*, your TV can play personal video, music, and photo files from a media server on your local network. Media servers include personal computers running media server software such as Plex or Windows Media Player, network file storage systems that have built-in media server software, and other devices that implement the specifications of the Digital Living Network Alliance. Some servers do not fully implement the DLNA specification but are UPNP (Universal Plug and Play) compatible. The Roku Media Player can connect to them as well.

Some media servers can convert files into Roku compatible formats. Digital Rights Management (DRM) protected content is not supported.

# Setting up a payment method

For streaming channels that allow you to pay through your linked Roku account, you can enter a payment method directly on your TV. Entering a payment method on your TV means that you don't need to go to a computer or mobile device to set up a payment method.

To add a payment method:

1. From the Home screen menu, navigate to Settings > Payment method > Add payment method.

2. Use the on-screen number pad to enter your credit/debit card number, expiration date, CVV number, and postal code.

   Note: *If you have already set up a payment method on my.roku.com, that payment method is identified here in such a way as not to expose any personal data. You can use this screen to change your payment method, if desired.*

3. Select Save card, and then press OK.

To manage your saved payment method and to see other payment methods, log into your account at go.roku.com/pay.

# Using your TV in a hotel or dorm room

Hotels, school dorms, conference facilities and similar locations with public wireless Internet access often require you to interact with a web page to authenticate your access. These types of networks are called *restricted public networks*. When you select a network of this type, the TV automatically detects that additional information is needed and prompts you through using another wireless device to supply the requested information.

## About using your TV on a restricted public network

Here are some points to keep in mind when using your TV on a restricted public network:

- Using your Roku TV on a hotel or dorm room network requires wireless availability and a network-connected smartphone, tablet, or computer to authenticate access to your wireless access point.

- You will need your Roku TV remote.

- Some content might be limited or unavailable if you try to connect outside your home country due to geo-filtering.

## Getting your Roku TV online on a restricted public network

1. Either during Guided Setup or after using the Settings > Network menu to set up a new connection, the TV automatically detects that you are connecting to a restricted network and displays the following prompt:
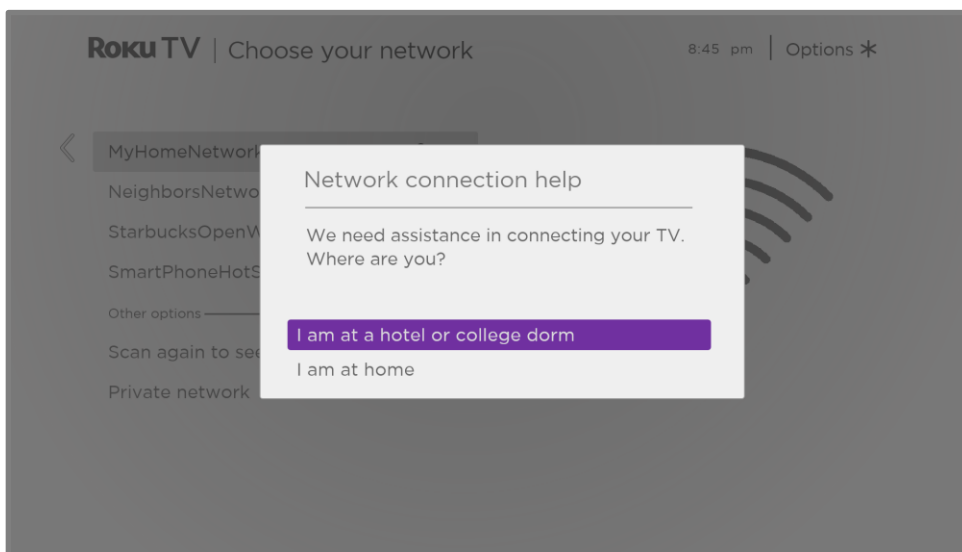


Tip: *Your TV can connect to a restricted network only if Enable 'Device connect' is selected in Settings > System > Advanced system settings. (Device connect is enabled by default, but if you have disabled it, the TV cannot complete the connection.)*

Note: *Device connect is not present if the TV is in non-connected mode.*

2.  After selecting the correct network, highlight I am at a hotel or college dorm, and then press OK. The TV prompts you to use your smartphone, tablet, or laptop to complete the connection.
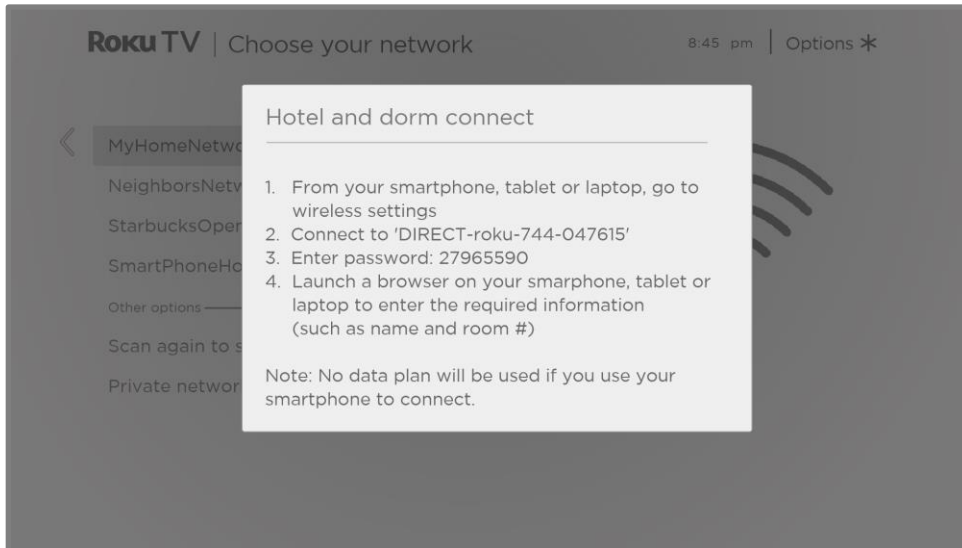


3.  Use a mobile phone, tablet, or wireless-enabled computer to detect wireless networks. In most cases, you can simply open the device's Wi-Fi Settings or Network Settings screen to start scanning.

    Note: *The mobile phone, tablet, or computer must be on the same wireless network to which you are connecting the TV.*

4.  Connect to the network named on your TV screen. The actual network name varies.

    Note: *The previous step connects your smartphone, tablet, or computer directly to the TV. No connection charges apply and the connection does not impact your device's data plan.*

5.  The wireless connection process prompts you for a password. Enter the password as shown on the TV screen. The actual password varies.

6.  Start the web browser on your mobile phone, tablet, or computer. When you attempt to open any web page, the restricted connection will prompt you for whatever information it needs. In most cases, you must agree to terms and conditions, provide identifying information, or enter a password, PIN, or room number to proceed. The information requested depends on the organization that controls the wireless connection.

7. After you enter the requested information, the TV automatically proceeds to complete its connection and resumes normal operation.

8. If the TV prompts you to link to your Roku account, use your mobile phone, tablet, or computer to activate your Roku TV.

# Using Apple AirPlay and the Apple Home app

## Apple AirPlay

AirPlay lets you share videos, photos, music, and more from your iPhone, iPad, or Mac. To use AirPlay, your Roku TV must be on the same wireless network as your Apple device[1]. To configure your preferred AirPlay security settings, navigate to Settings > Apple AirPlay and HomeKit from your Roku TV home screen. Depending on the AirPlay settings you select, you may be required to enter a password on your Apple device to initiate an AirPlay session on your Roku TV.

### Other AirPlay things to try

- Screen mirroring from an iOS device.
- Screen mirroring from a Mac.
- Using your Roku TV as an extended Mac display.
- Playing synchronized music on multiple AirPlay 2-enabled devices, including Roku TVs.

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[1] iPhone, iPad, or iPod touch with iOS 12.3 or later. Mac with macOS Mojave 10.14.5 or later.

# Apple Home app

Apple HomeKit controls compatible smart home lights, locks, thermostats, and other devices, including Roku TVs. The Apple Home app lets you add your Roku TV to your Apple HomeKit ecosystem. You can also interact with HomeKit-enabled devices by using Siri from your iPhone, iPad, Apple Watch, HomePod or Mac.

To enable your Roku TV to work with the Apple Home app

1. From your TV's Home screen, navigate to Settings > Apple AirPlay and HomeKit.

2. Under HomeKit, select Set Up. Your TV will display a unique QR code.

3. From your Apple device, open the Apple Home app and select Add Accessory.

4. Use the Apple Home app to scan the QR code displayed on your TV and follow the instructions.

## Some Apple HomeKit things to try

On your Apple device, say:

- "Hey Siri, play jazz in the living room."
- "Hey Siri, mute the TV in the office."
- "Hey Siri, turn off the TVs in my home."

Add your Roku TV to an Apple Home scene.

Find more ideas at https://www.apple.com/ios/home/.

# 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 ✱.*

# TV settings menu

The TV settings menu provides settings for controlling the appearance of the picture and the quality of the audio for each TV input. To view the TV settings menu, press STAR ✱ whenever you are watching a TV input or streaming a video.
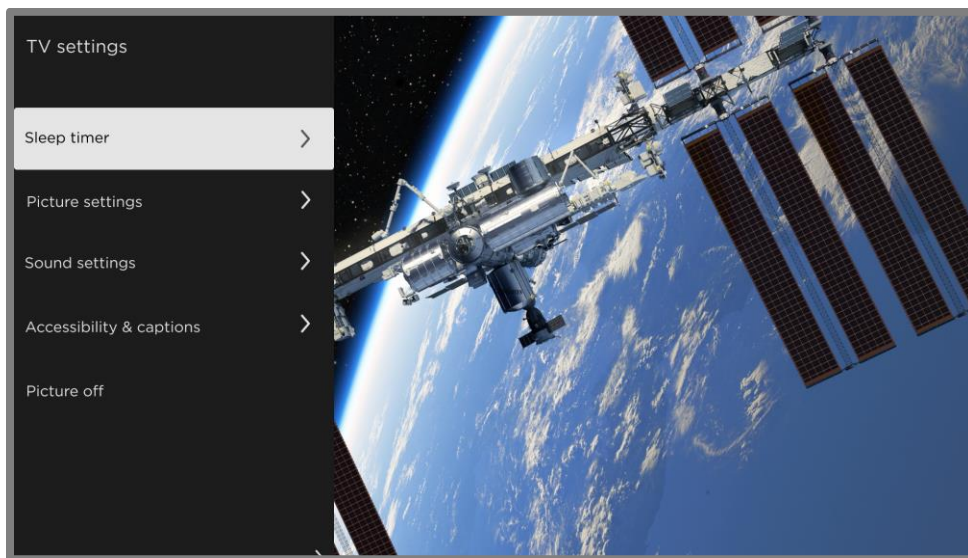


TV settings menu

Tip: *Some streaming channels assign STAR ✱ to a different function (or no function at all), meaning this button will not open the TV settings menu. In these cases, use a different channel, such as The Roku Channel, to configure options. The selected settings remain active for all streaming channels.*

Press UP or DOWN to highlight a setting, and then press OK or RIGHT to see the options for the setting. You'll see the changes you make right away in picture appearance or audio quality.

- [Sleep timer](#)
- [Picture settings](#)
- [Sound settings](#)
- [Accessibility & captions](#)
- [Picture off](#)

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

# Sleep timer

Opens the Sleep timer menu where you can set a timer that turns off the TV after the specific amount of time. *This setting remains in effect even if you stop watching the current input.*

# Picture settings

The Picture settings menu adjusts the appearance of the picture for the active input.
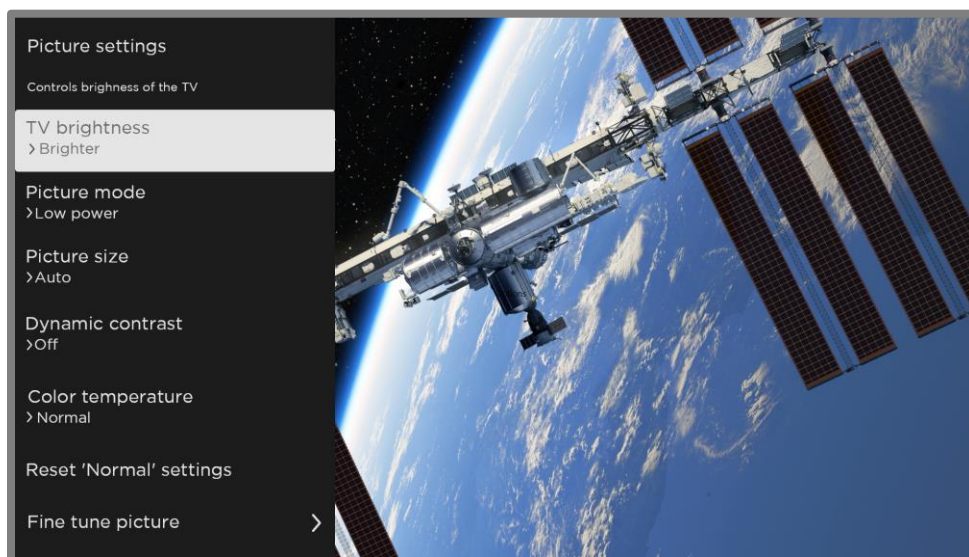


Typical Picture settings menu

- TV brightness – Overall brightness of the picture. *This setting applies to all TV inputs and is identical to the TV brightness setting under Settings > TV picture settings.*

- Picture mode – Picture presets for various viewing preferences. For example, selecting Vivid sets Brightness, Contrast, Sharpness and other values to produce a very vibrant picture. Selecting Movie changes the settings to produce a picture suitable for enjoying movies in a darkened room.

  Tip: *If you make changes to individual picture settings, these settings are saved for the current input and the current Picture mode. In this way, you can individually set the HDMI 1 input's Movie picture mode to use different settings than the HDMI 2 input's Movie picture mode, and different settings than the Live TV input's Movie picture mode.*

  Note: *If you change the settings of a Picture mode, a small purple dot appears to the right of the Picture mode name.*
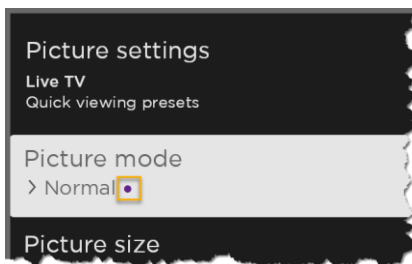
  

  *Use Reset picture settings, described below, to return the input's selected picture mode to its default settings.*

- Picture size – 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.

  Note: *Certain picture settings vary by brand and model. Not all settings are available on all TVs. Names of certain settings also vary by brand and might differ from the names listed here.*

- Local dimming – *Only on select models:* Sets the amount of dimming applied to multiple areas of the screen's back light intensity. This setting can make dark areas darker without affecting the brightness of light areas.

- Dynamic contrast – *Only on select models:* Automatically adjusts the back light level to achieve the optimum contrast and prevent excessive differences between light and dark areas of the screen.

- Micro contrast – *Only on select models:* Improves image contrast.

- Action Smoothing – *Only on select models. Each TV brand uses a different name for this option.* Adjusts the amount of motion processing 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 default setting.

- Natural Cinema – *Only on select models. Each TV brand uses a different name for this option.* Reduces "judder" often present when 24 frame-per-second movies are upscaled to TV standard frame rates. Natural Cinema mode is On by default in Movie and HDR Dark modes and Off by default in other modes.

- Action Clarity – *Only on select 120Hz models. Each TV brand uses a different name for this option.* Reduces blur in fast-moving images such as sports.

- LED Motion Clarity – *Only on select models that also have the local dimming feature. Each TV brand uses a different name for this option.* Reduces motion blur caused by the screen refresh rate. Enabling this feature inserts black frames between picture frames, providing viewing improvements for fast-moving games and sports, but reducing the brightness of the picture. Select Low, Medium, High, or Off to achieve the desired picture quality balance.

- Game mode – *Only on HDMI® and AV inputs:* Enables less image processing resulting in less input lag, which improves viewing of action games. Also see [Variable refresh rate (VRR)](#).

- Auto low latency mode (ALLM) – *Only on select models:* Detects when certain game consoles are connected to an HDMI input and then automatically configures the best settings when that input is selected. When ALLM is active, the manual Game mode setting is not available. Note that there is no ALLM menu option.

- Colour temperature – Adjusts the overall colour tones in the picture from Normal to slightly more bluish (Cool) to slightly more reddish (Warm).

66

- Reset picture settings – Returns all picture settings for the input's currently-selected Picture mode to their original values.

- Apply settings to all inputs – Applies the settings of the current Picture mode to all TV inputs.

- Fine tune picture – Displays the Fine tune picture menu.
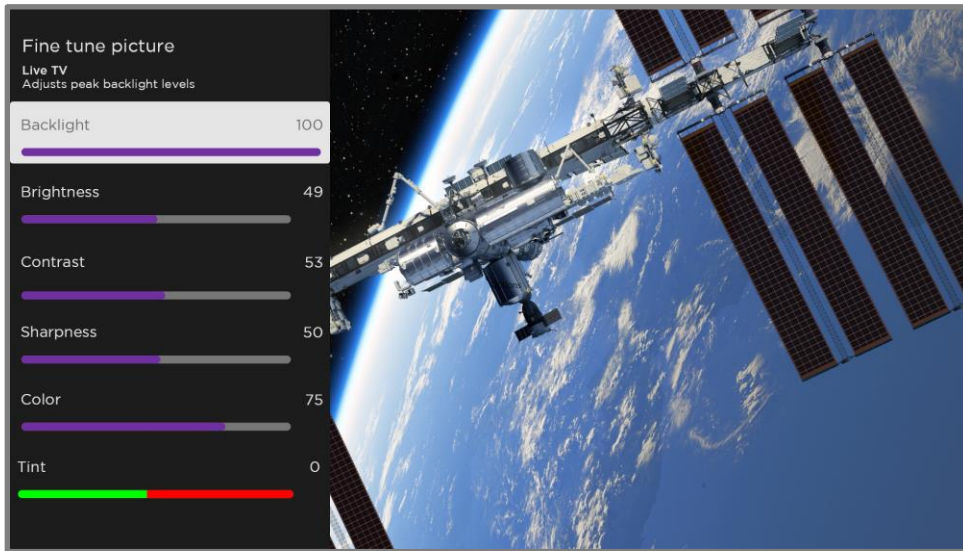


Fine tune picture menu

## Fine tune picture menu options

- Back light - Adjusts the overall light intensity of the screen.

- Brightness – Adjusts the dark level of the picture.

- Contrast – Adjusts the white level of the picture.

- Sharpness – Adjusts the sharpness of edges in the picture.

- Colour – Adjusts the saturation of colours in the picture. A setting of 0 removes all colour and displays a black and white picture.

- Tint – Adjusts the colour balance from green to red to obtain accurate colours in the picture.

## Variable refresh rate (VRR)

*Only on select models:* Variable refresh rate (VRR) allows a compatible game console or computer connected via HDMI to control the refresh rate of the TV. This feature helps to ensure that the TV does not begin to display a video frame until the video source has completely rendered it. The result is smoother image animation with a lower instance of stutter or tearing. This feature requires the following conditions:

- Variable refresh rate is turned On in the HDMI settings for the input. This setting is Off by default.

- The HDMI mode is set to Auto or HDMI 2.0 in the HDMI settings for the input.

- Game mode is enabled.

- The connected device supports VRR.

## Expert Picture Settings (4K models only)

4K (UHD) TV models have additional picture settings for demanding home theatre enthusiasts. Expert Picture Settings include gamma, noise reduction, 11-point white balance adjustment and extended colour space management.

You can access Expert Picture Settings only by using the Roku mobile app on an iOS® or Android™ mobile device.

# Sound settings

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

- [Roku premium audio products](#)
- [Dolby® Audio Processing](#)
- [DTS® TruSurround / DTS® Studio Sound](#)
- [Volume mode](#)

To access sound settings, press STAR ✱ to display the TV settings menu, then select Sound settings. Each TV input has separate settings for fine-tuning sound quality. Unless otherwise noted, the sound settings apply only to the currently selected input.
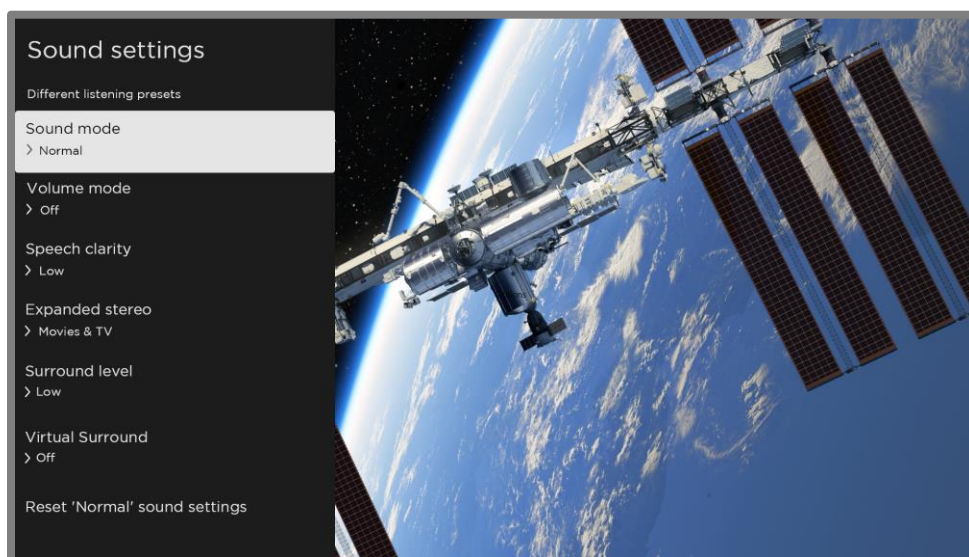


Example of a typical Sound settings menu

## Roku premium audio products

Several different Roku premium audio products are available for separate purchase. You can connect them to any Roku TV model. When you do, the Sound settings menu on the TV provides direct access to the sound settings of the connected Roku audio product(s). The following Roku audio settings appear when a Roku premium audio product is connected to your TV.

- Sound mode – 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 – Modes for normal listening, volume levelling and night listening.

- Speech clarity – Makes voices easier to hear above the rest of the program.

- Expanded stereo – Simulates surround sound or, *only with Roku wireless speakers in a 3.x or 5.x surround configuration*, play stereo sound from all speakers.

- Surround level – *Only if you have Roku wireless speakers in a 3.x or 5.x surround configuration*, sets the surround volume level to your liking.

- Virtual surround – *Only if you do not have Roku wireless speakers in a surround configuration*, enhances the stereo sound from the soundbar to simulate surround sound.

- Dolby AC-4 Dialog Enhancement – *Only on select models:* Enhances dialog in content that supports the AC-4 audio format.

- Reset sound settings – Returns all sound settings to their defaults for the selected Sound mode.

## Dolby® Audio Processing (select models only)

- Sound mode – Preset sound modes to make shows and music sound their best. *This setting applies across the entire TV; that is, to all TV inputs.* It does not affect the sound quality for headphones, HDMI (ARC), HDMI (eARC), or S/PDIF (TOSLINK) connectors.

- Virtual surround (*Only on select models*) – Simulates surround sound. Sometimes the effect interferes with dialog clarity. Use the Dialog enhancer option to compensate.

- Dialog enhancer – Improves the clarity of speech.

- Volume leveling – Smooths out the high and low sounds.

- Dolby AC-4 Dialog Enhancement – *Only on select models:* Enhances dialog in content that supports the AC-4 audio format.

- Reset sound settings – Returns Virtual surround, Dialog enhancer and Volume levelling settings to their default settings for the selected Sound mode.

## DTS® TruSurround / DTS® Studio Sound (select models only)

- Sound mode – Preset sound modes to make shows and music sound their best. *This setting applies across the entire TV; that is, to all TV inputs.* It does not affect the sound quality for headphones, HDMI (ARC), HDMI (eARC), or S/PDIF (TOSLINK) connectors.

- DTS TruSurround – Simulates surround sound. Sometimes, the effect interferes with dialog clarity. Use the Dialog clarity option to compensate.

- Dialog Clarity – Improves the clarity of dialog when you are using the DTS TruSurround feature.

- TruVolume – Minimizes annoying volume fluctuations in programs.

- Dolby AC-4 Dialog Enhancement – *Only on select models:* Enhances dialog in content that supports the AC-4 audio format.

- Reset sound settings – Returns DTS TruSurround, Dialog Clarity, and TruVolume settings, to their default settings for the selected Sound mode.

## Volume mode (select models only)

- Off – Content volume is unmodified.

- Levelling – Provides a consistent volume level across different types of content.

- Night – Soft sounds are increased while loud sounds are decreased, making it easier to hear your TV at night without disturbing others.

- Dolby AC-4 Dialog Enhancement – *Only on select models:* Enhances dialog in content that supports the AC-4 audio format.

# Accessibility & captions

The settings on the Accessibility & captions menu enable you to change the TV's accessibility settings without leaving the program you are watching. These settings are also available in the Home screen menu under Settings > Accessibility.
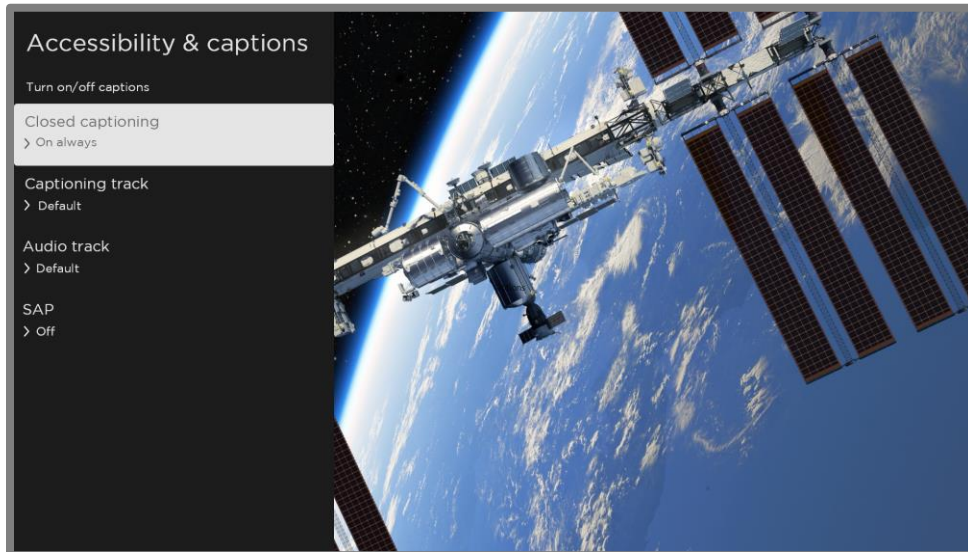


Accessibility & captions menu

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 configure accessibility options.*

## Accessibility & captions menu settings

- Closed captioning – Controls when you see captions. *This setting is only offered for the ANT and AV inputs, and streaming/media player videos. Any set value remains in effect across only these inputs.*

    - Live 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 or media player – 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 TV settings menu.

- Captioning track – Selects which caption track to display when closed captioning is on. *This setting remains in effect on all inputs that provide captions.*

- SAP – Select whether to play a secondary audio program or multichannel television sound, and which choice to play. See [Video description through Secondary Audio Program (SAP)](). *This setting applies only to live TV on digital channels.*

- Audio track – Select the audio track to play with the current program. *This setting applies only to streaming content when multiple audio tracks are available.*

## Video description through Secondary Audio Program (SAP)

Video description of the action in a program helps individuals who are blind or visually impaired enjoy programs. You enable video description by selecting one of the Secondary Audio Program (SAP) options.

To hear video description narrations in programs that have them, turn on SAP. If there are multiple SAP options for a channel, such as French or Spanish, try each one to determine which setting carries the video description track.

Accessibility: *Broadcasters provide video descriptions only on a small number of programs. If you are unable to hear video descriptions after following these instructions, the program you are viewing does not provide them.*

For more details about video description, go to:

[https://crtc.gc.ca/eng/info_sht/b322.htm](https://crtc.gc.ca/eng/info_sht/b322.htm)

# Picture off

Select Picture off to turn off the screen while continuing to play the sound. You might want to use this feature when listening to music or podcasts, or at any other time that you do not want to see the TV screen.

When you want to turn the picture back on, press OK. Or, if you turn off the TV while the screen is off, it comes on again the next time you turn on the TV.

# Searching for something to watch

Searching for movies and programs across streaming channels is one of the unique features of your Roku TV. Within a single search operation, you can search by:

- Movie name
- TV program name
- Actor or director name
- Streaming channel name
- Interactive game name
- Genre, including the special genres, "free" and "4K."

Note: *Roku Search is only available if your TV is operating in connected mode and linked to a Roku account. Roku Search doesn't search across all streaming channels, but searches across lots of popular streaming channels. The actual channels it searches vary by locale.*

## How do I search?

You can search in several different ways:

- By using an on-screen keyboard that you navigate using the purple directional pad on your remote

- By typing on the Roku mobile app on your phone or tablet

- By speaking search phrases in English or Spanish (corresponding to your selected TV language setting) using a Roku Voice remote, the Roku mobile app, Amazon Alexa, or Google Home Assistant. Participating channels show results without leaving the channel you are viewing. Results from the active channel appear in the first row, followed by results from other channels.

For more details about Voice Search, go to [go.roku.com/voicesearch](go.roku.com/voicesearch).

# Keyboard search using the remote

1. Select Search in the Home screen menu.

2. Use the purple directional pad to navigate the on-screen keyboard, entering a few characters of the search term.

   Each additional character you enter narrows down the search, making the search results more relevant. You'll often see the results you are seeking after entering only a few letters.

3. When you see the program you are searching for, press RIGHT to highlight it. Continue pressing RIGHT to see more details about how to watch the program.

# Voice Search from a Roku Voice remote

*Only with models that have a Roku Voice remote*:

1. Press and hold either VOICE 🎤 or SEARCH 🔍, or say "Hey Roku" depending on your remote.

   Hint: *Tap the button to see on-screen tips about searching. Repeat to see a different set of tips.*

2. While holding down the button, say the name of a movie, TV program, actor, director, or genre (including the special genres, "free" and "4K"). You also can search for news programs. Say things like, "Show the news," "Play news," or "Play news on newsy."

   Note: *You can use either English or Spanish for voice searches, according to the language you set in* Settings > System > Language*.*

   The TV lists the results of your search across many streaming channels.

3. Press RIGHT to move the highlight into the list of search results.

4. Press UP or DOWN to scroll through the list of search results to highlight the item you want to view.

# Searching from the Roku mobile app

Use the free Roku mobile app on your compatible smartphone or tablet to make searching even faster. Use your mobile device's keypad to type more quickly and easily than with the on-screen keyboard on your TV. Or, search by touching the Voice Search icon and saying the name of the movie, TV program, actor, director, genre, streaming channel, or game.

When you use the Roku mobile app to search, search results are shown on your mobile device instead of on the TV screen. When you make a selection from the search results, the TV starts playing the selected program.

For more information, see [Roku mobile app](#).

# Searching with Google Assistant

Use your Google Home, Google Pixel phone, or the Google Home mobile app to search for programs:

1. Link your Roku account to your Google account using the Google Home mobile app on your iOS or Android device.

2. Start your command with *"Hey Google"* or *"OK Google,"* and follow the command with *"on Roku."* Some examples:

   - *"Hey Google, show me documentaries on Roku."*
   - *"OK Google, show me comedies on Roku."*

Note: *You also can issue commands to control your Roku TV. And, if you have enabled Fast TV Start on your TV, you can turn on your TV by saying,* "OK Google, turn on Roku."

For more information about setting up and using Google Assistant with your Roku TV, see [https://support.roku.com/article/360009649613-how-do-i-control-my-roku-streaming-device-with-the-google-assistant-](https://support.roku.com/article/360009649613-how-do-i-control-my-roku-streaming-device-with-the-google-assistant-).

# Searching with Amazon Alexa

Use your Amazon Echo Dot, Echo Plus, Echo Show, or the Amazon Alexa mobile app to search for programs:

1. Link your Roku account to your Amazon account using the Amazon Alexa app on your iOS or Android device.

2. Start your command with *"Alexa,"* and follow the command with *"on Roku."* Some examples:

   - *"Alexa, turn up the volume on Roku."*
   - *"Alexa, show me documentaries on Roku."*

   Note: *You also can issue commands to control your Roku TV. And, if you have enabled Fast TV Start on your TV, you can turn on your TV by saying,* "Alexa, turn on Roku."

For more information about setting up and using Amazon Alexa with your Roku TV, see https://support.roku.com/article/360017961074-how-do-i-use-amazon-alexa-with-my-roku-streaming-device-.

# Direct-to-playback search results

With direct-to-playback, voice search results jump directly to and start playing the program whenever your search command can be uniquely identified and the requested content is available at no additional cost to you.[1]

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1 Direct-to-playback commands work with selected streaming channels. Direct playback occurs only when there is a high confidence of match, the content is free or you are already subscribed, and the channel is already added to your Home screen.

# Searching for free content

You'll discover an almost endless list of content through your Roku TV, and much of it is free. You can easily find free content by including the word "free" in your search. For example:

- Roku Voice Remote or Roku mobile app—Say, "Show me free comedies" or "Show me free romance," or simply, "Show me free programs."

- Google Home, Google Pixel phone, or the Google Home mobile app—Say "OK Google, show me free programs on Roku," or "Hey Google, show me free documentaries on Roku."

- Amazon Alexa—Say "Alexa, show me free miniseries on Roku" or "Alexa, show me free dramas on Roku."

# Using the Roku Channel Store

*Only in connected mode*, the Channel Store menu option takes you to the Roku Channel Store, where you can select new free and subscription-based streaming content.

When you find an item you want to add or learn more about, highlight it and press OK to display more details.

- If the content is free, you can select it to start watching it immediately.

- If there is a one-time or recurring fee associated with using the content, you must agree to the terms and conditions, accept the fee and enter your Roku Account PIN to authorize these charges.

- If you already have a subscription to the content—for example, you already subscribe to Netflix or you receive HBO through your cable TV provider—you must complete a different, simple authorization step to watch it on your Roku TV.

Content availability and pricing are subject to change. Charges may apply to your selection.

Tip: *New streaming channels are added continuously to the Roku Channel Store, so be sure to check back frequently for new options.*

Note: *If you don't remember your PIN, or if you want to change whether you need to use a PIN to make purchases on your Roku account, see [Roku Account PIN](Roku Account PIN).*

## Automatic Account Link

Some subscription channels take advantage of Automatic Account Link. If you have multiple Roku devices, channels that support this feature require you to supply your user name and password on only one device.

# 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 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 used.

2. Press UP or DOWN to highlight an input in the Inputs not used section of the list.

3. Press RIGHT to move the highlight to Set up input.

4. Press OK to add the input.

5. Press HOME 🏠 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 to a different position in the grid, see Rearrange inputs and channels.

Tip: *If you purchase and connect a Roku premium audio product, such as a Roku Streambar™, your Roku TV automatically controls all required sound settings, power, volume and mute through your TV's remote control.*

## 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 to a different position in the grid, see Rearrange inputs and channels.

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Hint: *If you have multiple Roku devices, they all show the same set of streaming channels after their next daily update, unless the channel is not compatible with the device. So don't be surprised when you add a channel to your Roku TV and then see it the next day, for example, on your Roku Streaming Stick or Roku Streambar™.*

# Rename inputs

When you connect and power on an HDMI device, your TV identifies it, automatically renames the input and changes its icon to suit the device.

For other inputs and for inputs whose automatic naming you do not like, you can change the name and icon.

To select a different name and icon for an input, you can either:

- Highlight the input on the Home screen and then press STAR ✱ 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 menu, navigate to Settings > TV inputs. On the TV inputs screen, select the input you want to rename, select Rename, and then select a new name and icon from the provided list.

## Custom input names/icons

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

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

# Remove unwanted inputs and channels

If you never use a TV input or if you don't like the streaming channel you added from the Roku Store, you can remove them from your Home screen.

Note: *Be aware that if you remove the Live TV input deletes your channel list, so you'll have to scan for channels again if you later re-add the input. See [Setting up live TV](#) for details.*

- To remove an input or channel, highlight it on the Home screen and then press STAR ✱. From the list of options, select Remove input. In the screen that follows, confirm you want to remove the item.

- Alternatively, to remove a TV input, navigate to Settings > TV inputs. On the TV inputs screen, select the input you want to remove and then select Remove > Confirm. Press HOME ⌂ to return to the Home screen.

# Rearrange inputs and channels

When you add a TV input, 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 items on the Home screen to suit your viewing preferences. For example, you might want Live TV to be the first item in your Home screen. But if you mostly watch one streaming channel, you might want it to be the first one on your Home screen.

1. On the Home screen, highlight an item to move.

2. Press STAR ✱ to display a list of options for the item you selected.

3. Select Move input or Move channel. The list of options disappears and the highlighted item shows arrows indicating how it can be moved.

4. Use the purple directional pad to move the highlighted item to its new position.

5. Press OK to lock the item into its new position.

6. Repeat these steps to move other inputs and channels until you have arranged your Home screen to your liking.

# Change the look and feel with themes

*Only in connected mode*, another way to customize your TV is to change its theme. The theme establishes the look and feel of the TV through colours, designs, fonts, wallpaper (background) and screensaver.

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

- Wallpapers – Select a wallpaper of your choice.

- Screensavers – Select a screensaver of your choice.

- Wallpaper updates – When this feature is on, Roku overrides your selected theme with a theme of their own choosing for various holidays and significant events. After the holiday or event passes, the TV reverts to your selected theme.

- Screensaver wait time – Select the idle time after which you want your selected screensaver to appear.

- Restore default theme – Every Roku TV has a theme based on the TV brand and model. Use this option to restore that default theme.

# Edit live TV channel lineup

When you set up the TV tuner as described in [Setting up live 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 menu, navigate to Settings > TV inputs > Live 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.



For each channel you want to hide, highlight it, and then press OK to select its check box.

Tip: *If you need to view the highlighted channel to decide whether to hide it, wait a couple of seconds for the TV to start playing the channel's picture and sound. 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 Live TV 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, from the Home screen menu, navigate to Settings > Audio > Menu volume. Navigate to the right and then change the setting to High, Medium, Low, or Off.

# Configure power settings

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

## Power on settings

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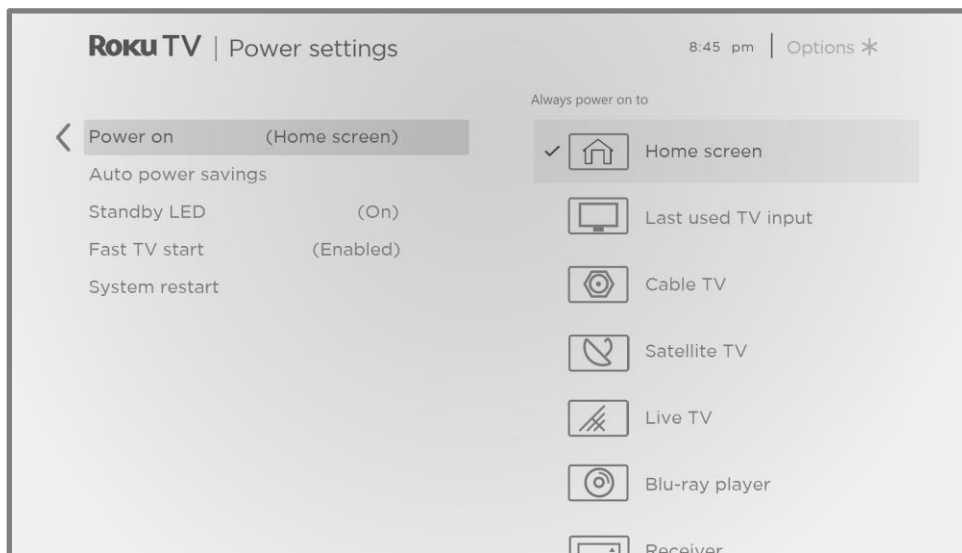
## Auto power savings

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 menu, 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*, 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 listen to certain music channels with the TV screen off and the convenience of being able to turn on and control your TV using voice commands.

To enable Fast TV Start, on the Home screen, navigate to Settings > System> Power> Fast TV Start and select On.

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

# Change caption settings

Captions settings are located under Settings > Captions.

## Captions mode

- Off – No captions appear.

- On – Captions appear whenever they are available from the program source.

- On replay– Captions appear only when you use the replay feature, and only when you are watching a streaming program that supports instant replay, watching a video through the Roku or USB media player, or watching a TV channel after enabling Live TV Pause.

- When mute – Captions appear only when the TV is muted.

Tips:
- *You can change the captions mode while watching a program. Press STAR ✱ to display the TV settings menu, and then select Closed captioning.*

- *Some streaming channels require you to enable captions through a setting within their channel even though you have turned on captions everywhere else.*

Note: *Once enabled, the captions mode applies to all inputs that support captions and remains enabled until you turn it off.*

## Captions preferred language

Use the Captions preferred language setting to select the language in which you want closed captioning to appear, when that language is available. If your preferred language is not available, then captioning reverts to the default language for the program, which usually is English.

Highlight the language you prefer, and then press OK to select it.

# Captions style

- Text style – Choose from a list of fonts. As you move the highlight to each font, you can see a sample of the result in an adjacent panel.

- Text edge effect – Choose from a list of edge effect styles, such as raised, depressed, and various shadows. As you move the highlight to each effect, you can see a sample of the result in an adjacent panel.

- Text size – Choose from a list of sizes. As you move the highlight to each size, you can see a sample of the result in an adjacent panel.

- Text color - Choose from a list of colors for the text. As you move the highlight to each color, you can see a sample of the result in an adjacent panel.

- Text opacity - Choose from a list of opacity settings for the text. This setting determines how much the area behind the text shows through the text. A value of 100% blocks all of the content behind the text. As you move the highlight to each setting, you can see a sample of the result in an adjacent panel.

- Background color - Choose from a list of colors for the background area behind the text. As you move the highlight to each color, you can see a sample of the result in an adjacent panel. Note that you won't see any change unless you set the Background opacity to a value other than Off.

- Background opacity - Choose from a list of opacity settings for the background of the caption. This setting determines how much the area behind the caption background shows through the background. A value of 100% blocks all of the content behind the background. As you move the highlight to each setting, you can see a sample of the result in an adjacent panel.

- Window color - Choose from a list of colors for the window rectangle surrounding the entire caption. As you move the highlight to each color, you can see a sample of the result in an adjacent panel. Note that you won't see any change unless you set the Window opacity to a value other than Default or Off.

- Window opacity - Choose from a list of opacity settings for the window rectangle surrounding the entire caption. This setting determines how much the area behind the caption window shows through the window. A value of 100% blocks all of the content

behind the window. As you move the highlight to each setting, you can see a sample of the result in an adjacent panel.

# Hide Home screen shortcuts

If you prefer to not see shortcuts on the Home screen, you can hide them. From the Home screen menu, navigate to Settings > Home screen and then press RIGHT. For the Shortcuts option, select either Hide or Show.

# Parental controls

Parental controls enable you to decide 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 PIN that only you know.

Note: *Parental controls block content from the TV tuner. 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

You create a new parental control PIN the first time you access the Parental controls screen on your TV.

1. From the Home screen menu navigate to Settings > Parental controls. The screen displays a numeric keypad.

2. Press RIGHT to highlight the numeric PIN entry number pad.

3. Use the on-screen number pad to enter a four-digit code and then press OK.

4. Repeat the process to enter the same PIN again, just to make sure you correctly entered the PIN you want to use.

5. Press OK to proceed to the Parental controls screen where you configure the types of programs to block.

# 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

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. From 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.

To disable parental control of TV programs, repeat these steps, but highlight the Enable parental controls check box and press OK to clear it.

## Blocking based on US TV ratings

Most broadcast US TV programs—other than movies—contain rating data that enables parental controls to block programs that parents don't want others to view. The ratings are divided into two groups that function independently:

- Youth group – TV-Y, TV-Y7
- Main group – TV-G, TV-PG, TV-14, TV-MA

Within each of these groups, the ratings interact such that if you block a particular level of content, the TV also blocks all content with a higher rating. Conversely, if you unblock a particular level of content, the TV also unblocks all content with a lower rating. For example, if you block TV-PG programs, the TV also blocks TV-14 and TV-MA programs. If you subsequently unblock TV-14 programs, TV-PG programs are also unblocked, but TV-MA programs remain blocked.

Similarly, within the main group, content types can be individually blocked. For example, you can block just coarse language in programs with a TV-PG rating. If you do, then the TV also blocks programs with coarse language in the higher ratings (TV-14 and TV-MA). Subsequently unblocking coarse language in TV-14 ratings does not unblock coarse language in TV-MA programs, but it does unblock coarse language in TV-PG programs.

To block TV programs based on US television ratings:

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

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

3. In the Parental controls screen, navigate to TV tuner > TV ratings. Choose among the following settings:

   - Entire ratings – Highlight the rating you want to block, and then navigate to the right and select the first option that blocks the entire rating level (and all higher rating levels).

   - Individual content types – Highlight the rating that contains the content type you want to block, and then select the content types you want to block from among those

listed. Remember that blocking a content type in one rating blocks the equivalent content type in all higher rating levels.

## Blocking based on US movie ratings

Most movies in the US are rated by the Motion Picture Association of America, or MPAA, so the ratings are known as MPAA ratings. TV broadcast signals carry movie rating data that enables parental controls to block programs that parents don't want others to see. The ratings are:

- G – General audiences
- PG – Parental guidance suggested
- PG-13 – Parents strongly cautioned for children age 13 or younger
- R – Restricted
- NC-17 – Not for age 17 or younger

Unlike US TV ratings, there are no individual content types within the ratings. But like TV ratings, blocking movies with a particular rating also blocks movies with a higher rating, and unblocking movies with a particular rating also unblocks movies with a lower rating.

Tip: *Blocking movies with an NC-17 rating also blocks programs with the now-obsolete X rating, which can still occur in the program data of older movies.*

To block movies based on MPAA ratings:

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

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

3. In the Parental controls screen, navigate to TV Tuner > Movie ratings.

4. Select the rating level you want to block. You need only select one rating level, and all higher levels are automatically blocked.

## Blocking based on Other ratings

Your TV can block programs having ratings that had not been defined when the TV was manufactured. It does this by detecting a new Rating Region Table in a program and then downloading the new table and displaying its rating in the Parental controls.

When the TV downloads a new Rating Region Table, it adds a new option to the list of rating types: Other ratings. If you see this option in the Parental controls screen, you have tuned to a station that has implemented a new rating table. Once the new rating table has been downloaded to the TV, it remains in the TV until it is factory reset, and you can configure blocking based on the new ratings.

New Region Rating Tables can have independent rating levels, or rating levels that interact in the same ways as the built-in US TV and MPAA Movie ratings.

Tip: *If your TV downloads a new Region Rating Table, you'll have to experiment with its settings to understand how to use it.*

## Blocking based on Canadian English ratings

Canadian-English language and third-language programs that are broadcast in Canada are rated by the Action Group on Violence on Television, or AGVOT. TV broadcast signals carry rating data that enables parental controls to block programs that parents don't want others to view based on content containing violence, language, sex, or nudity. The ratings are:

- C – Children under 8 years
- C8 – Children 8 years and older
- G – Generally suitable for all age groups
- PG – Parental guidance suggested for viewers under 14 years
- 14+ – Generally not suitable for viewers under 14 years
- 18+ – Generally not suitable for viewers under 18 years

Blocking content with a particular rating also blocks content with a higher rating, and unblocking content with a particular rating also unblocks movies with a lower rating.

To block programs based on AGVOT ratings:

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

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

3. In the Parental controls screen, navigate to TV tuner > Canadian English ratings.

4. Select the rating level you want to block. You need only select one rating level and all higher levels are automatically blocked.

## Blocking based on Canadian French ratings

Canadian-French language programs that are broadcast in Canada are rated by Québec's Ministry of Culture and Communications. TV broadcast signals carry rating data that enables parental controls to block programs that parents don't want others to view based on content containing violence, language, sex, or nudity. The ratings are:

- G – Generally suitable for all age groups

- 8+ – Viewers 8 years and older

- 13+ – Viewers 13 years and older

- 16+ – Viewers 16 years and older

- 18+ – Adults only

Blocking content with a particular rating also blocks content with a higher rating and unblocking content with a particular rating also unblocks movies with a lower rating.

To block programs based on Canadian-French ratings:

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

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

3. In the Parental controls screen, navigate to TV tuner > Canadian French ratings.

4. Select the rating level you want to block. You need only select one rating level and all higher levels are automatically blocked.

## Blocking unrated programs

Some broadcast TV programs and movies do not have an assigned rating, and are considered to be "Unrated". Whether or not such programs contain content that is objectionable to you cannot be determined. However, you can choose to block such programs.

To block all unrated broadcasts:

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

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

3. In the Parental controls screen, navigate to TV tuner > Block all unrated programs.

4. Highlight Block all unrated programs and press OK. When blocking is enabled, the adjacent padlock icon changes from unlocked to locked.

Tip: *Blocking programs that have not been assigned a rating does not block programs that specifically have been assigned a US TV rating of "None" (for example a broadcast of a local town council meeting). Programs that do not have an assigned rating display* Rating NA *(for "not applicable," meaning a rating is not needed).*

*In the absence of other ratings for a program, the parental controls do not consider the MPAA US movie rating* N/A *(MPAA rating not applicable to this content) and* NR *(applicable content not rated by the MPAA) to be ratings. In these cases, the TV handles the program as though it is unrated, blocking the program if* Unrated programs *blocking is enabled.*

# 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:
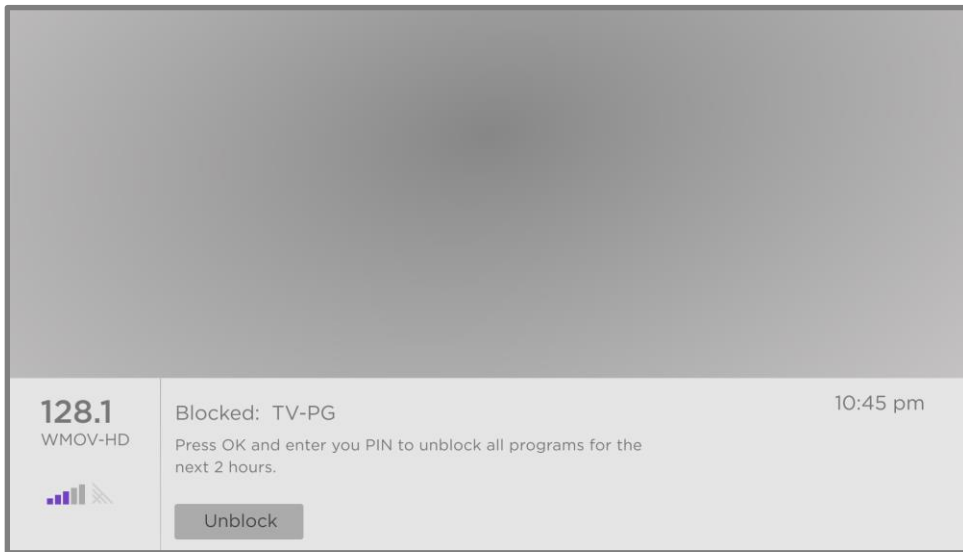


Whenever this blocked message appears, both the video and audio of the program are blocked, as well as program data that would normally appear in the area at the bottom of the screen.

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.
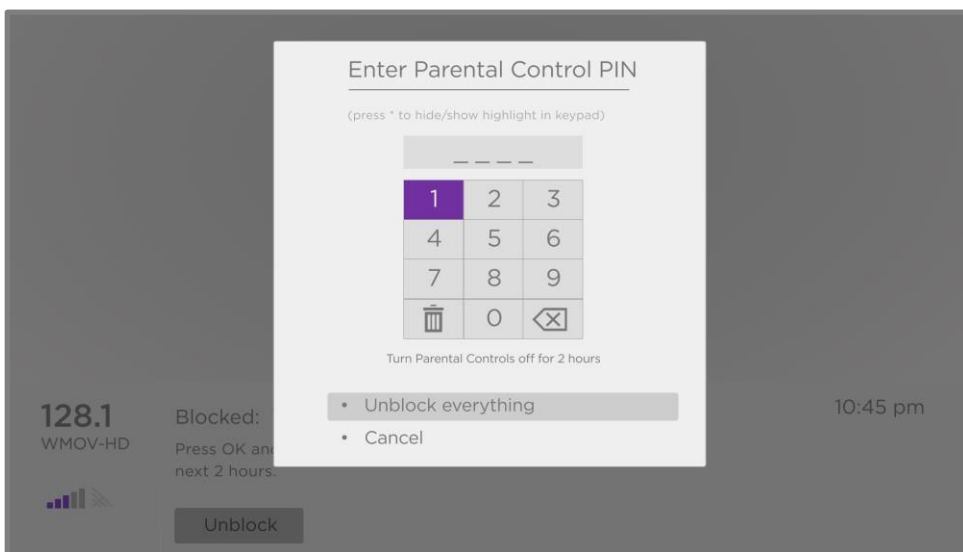


2. Use the purple directional pad to enter your parental control PIN code, and then press OK to select Unblock everything.

Tip: *To shield your parental control PIN from others in the room, press STAR ✳ to hide the highlighted numbers. 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 your 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 on-screen 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 to make sure you correctly entered the PIN you want to use.

# Resetting parental controls

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.*

# More settings

This section describes the features and settings of the TV that were not covered in the other parts of this guide.

## Guest Mode

*Only in connected mode*, when you enable Guest Mode, your guests can sign in to subscription channels using their own account credentials instead of using yours. Your guests' credentials are then automatically removed on the date they specify.

By enabling Guest Mode, your guests won't have access to your personal streaming channel accounts and won't be able use your Roku account to make purchases. Instead, your guests can safely access their own subscription channels. And they won't have to remember to sign out before they leave.

To enable Guest Mode:

1.  From the Home screen menu, navigate to Settings > System > Guest Mode.

2.  Select Enter Guest Mode.

3.  Use the purple directional pad to enter your Roku Account PIN in the on-screen keypad.

4.  Select OK to confirm and put the TV into Guest Mode.

Note: *You also can enable and disable Guest Mode remotely logging in to [my.roku.com](my.roku.com) on your computer or smart phone, logging, in to your account, scrolling down to My linked devices, and then selecting Enable Guest Mode or Disable Guest Mode, respectively.*

After you put your TV into Guest Mode, it is ready to welcome your guests, allowing them to select a sign-out date. On the Home screen, they will find an assortment of default subscription channels They can enjoy free content from The Roku Channel and many others, or sign-in and watch movies and TV programs from their own subscriptions and saved content libraries. Your

guests can use the Roku Channel Store to find and add channels they watch at home with confidence that they automatically will be removed on their sign-out date.

To disable Guest Mode:

1. Press HOME ⌂ to return to the Home screen menu.

2. Navigate to Settings > System > Guest Mode.

3. Select Exit Guest Mode.

4. Use the purple directional pad to enter your Roku Universal PIN in the on-screen keypad.

5. Select OK and confirm that you want to disable Guest Mode.

After you disable Guest Mode, all of your original settings are restored and your channels are reinstalled. You might need to sign in to your subscription channels again to access your content.

Note: *Any game data that was stored on your Roku device is not restored.*

# Network settings

If needed, you can change your network settings at any time. For example, if you change the name of your wireless network (its SSID) or its password, you will need to change your TV's settings so that it can continue to connect. Also, if you decided not to connect to the Internet in Guided Setup, you can use network settings to connect at a later time.

To change network settings, from the Home screen menu, navigate to Settings > Network, and then press RIGHT. At this point, you can choose from among the following options:

- About – Lists important information about your current network connection, such as status, connection type, IP addresses, and MAC address. This information is often useful when contacting customer support with connection issues.

- Check connection – Select your existing network connection type, and then press OK to start checking the network connection. The TV uses your current network information to reconfirm the wireless or wired network connection to the local network and the Internet connection.

- Set up connection – Select a network connection type, and then select the option to set up a new connection. Follow the on-screen instructions to complete the network connection. For help with each of the steps, see Network connection.

- Bandwidth saver – Enable or disable this feature as appropriate. If On, your TV prompts you to stop streaming if you haven't used the remote control within the past four hours. If you do not respond, streaming stops to save your data allocation and increase the network bandwidth available to other devices in your home. Change to Off to disable the automatic bandwidth saving feature.

Note: *Some networks, such as those found in dorm rooms, hotels, and other public places, may require you to read and agree to terms, enter a code, or provide identifying information before letting you connect to the Internet. For more information, see Using your TV in a hotel or dorm room.*

# Postal code

Your TV needs to know your postal code so that it can display the correct channels and program guide information. It attempts to determine your location by using information from your Internet connection; however, the information available from this source is not always accurate. To ensure you have the most accurate program guide information, use the Postal code option to enter your correct code.

To set your correct postal code, from the Home screen menu, navigate to Settings > System > Postal code, and then press RIGHT. Use the on-purple directional pad to enter your postal code in the on-screen keypad, and then select OK.

# Time settings

You can change time settings to suit your preferences. You can find the following settings by navigating from the Home screen menu to Settings > System > Time:

- Sleep timer – Set a time delay after which the TV will automatically shut off. This setting reflects the setting you can make in the TV settings menu from any TV input, as explained in <u>Sleep timer</u>.

  Note: *The sleep timer setting is not input specific and can also be set by using the Sleep timer shortcut on the Home screen.*

- Time zone – Correct time zone information is needed to correctly display program data. Choose whether to set the time zone automatically or manually, and if set manually, select your current time zone. Usually, a TV connected to the Internet can discover its own time zone automatically, but sometimes a TV that is not connected to the Internet cannot and so must be set manually. Initially, this setting is made when you set up the TV tuner, as explained in <u>Setting up live TV</u>.

- Clock format – Choose whether to display time in a 12-hour or 24-hour format, or to turn off time display. *This setting is available only on TVs that are connected to the Internet. Non-connected TVs do not display the time.*

# Scan again for live TV channels

There will be times when you need to create a new channel list. For example, you:

- Change cable providers
- Reorient your TV antenna
- Move to a different city with different channels

Whenever you need to update your TV channel list, you can repeat the channel scan.

Tip: *Even if you don't change anything related to your TV channel reception, you should 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.*

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

To repeat the channel scan, highlight the Live TV input on the Home screen and then press STAR ✱. Next, select Scan for channels and press OK. After that, the screens and options that appear during this process are identical to those described in How do I set up the TV tuner?

# HDMI® mode (4K models only)

On 4K (UHD) TVs, you can independently configure each HDMI® input to match the capabilities of the connected device. From the Home screen menu, navigate to Settings > TV inputs, and then select an enabled HDMI® input. Next, select HDMI mode and then select one of the following settings:

- Auto (recommended) – Let the TV determine the best setting. Use this option unless your HDMI® device does not correctly communicate its HDMI® version information.

- Standard – Configure the input for compatibility with HDMI® version 2.0, which supports a maximum refresh rate of 60Hz at full UHD resolution. You must use this mode to view HDR content from the device connected to this HDMI input. However, note that many older HDMI® devices do not work correctly when the TV's HDMI input is set to this mode. After enabling this setting, you can optionally turn Auto low latency mode (ALLM) off or on.

- Compatibility – Configure the input for compatibility with HDMI® version 1.4, which supports a maximum refresh rate of 30Hz at full UHD resolution. Most HDMI® devices will work correctly with the TV in this mode.

# Control by mobile apps

You can choose the level of control you want to allow your TV to accept from external devices, such as smart phones, tablets, and virtual assistants. Device connect settings enable other devices, including the Roku mobile app, to control your TV over the local area network in your home.

To adjust the level of external control access:

1. From the Home screen menu, navigate to Settings > System > Advanced system settings > Control by mobile apps.

2. Select Network access.

3. Select one of the following settings:

- Default – Devices can connect only through a private network address, and accept commands only from other private network addresses on your home network. This setting is suitable for most cases, including use of the Roku mobile app on your smartphone.

- Permissive – Devices can connect under all conditions, but accept commands only from private network addresses or the same subnetwork within your home network. This setting might be required when attempting to operate the TV from a third-party application, for example, one of the Internet of Things (IoT) applications such as ifttt.com.

- Disabled – Device connection is completely disabled. The TV does not accept external commands from any source, including the Roku mobile app.

# Changing privacy settings

Note: *Privacy settings are present only on TVs operating in connected mode.*

## Advertising

*In connected mode,* your TV by default uses an advertising identifier to track your TV usage. You can change the privacy settings on your TV in two ways: resetting the advertising identifier and limiting ad tracking.

*To learn more about these options, please see Roku's Privacy Policy at go.roku.com/PrivacyPolicy.*

### Reset the advertising identifier

Resetting the advertising identifier clears the prior usage history that your TV stores, and then begins tracking again. From that point forward, your new usage patterns affect the advertisements you see on your TV.

1. From the Home screen menu, navigate to Settings > Privacy > Advertising.

2. Highlight Reset advertising identifier. Press STAR ✱ to view more information about this option. When you finish reading the information, press OK to close the More Information window.

3. Press OK to reset the advertising identifier, and then press OK again to dismiss the verification message.

## Limit ad tracking

You can limit Roku's tracking of your usage behaviour by limiting ad tracking. When you do, your TV will display ads that are not personalized based on your TV's advertising identifier.

1. From the Home screen menu, navigate to Settings > Privacy > Advertising.

2. Highlight Limit ad tracking. Press STAR ✱ to view more information about this option. When you finish reading the information, press OK to close the More Information window.

3. Press OK to select the Limit ad tracking check box.

Note: *If you perform a factory reset and then reconnect your TV, ad tracking is restored until you repeat these steps.*

# Microphone

Your Roku TV does not have a built-in microphone. However streaming channel providers can use the microphone on Roku Voice remotes (only on select models) or on your mobile device when the Roku mobile app is running. You can control whether streaming channels have permission to use the microphone.

Note: *These settings affect only streaming channel access to the microphone. They do not affect your Roku TV's Voice Search feature.*

## Channel microphone access

You can control which streaming channels have permission to use the microphone, giving you control over how the microphone is used by each streaming channel. The default setting is Prompt, so channels will not be able to turn on the microphone without your permission.

To change microphone access settings:

1. From the Home screen menu, navigate to Settings > Privacy > Microphone.

2. Select Channel microphone access.

3. Choose one of the following settings:

   - Prompt – Display a notification the first time a streaming channel requests the use of the microphone. When such a notification appears, you can select either Allow microphone access or Deny microphone access on a per-channel basis. If you choose to allow microphone access, you'll be prompted to confirm your choice by entering a numeric code that appears on the screen.

   - Always allow – Do not prompt, but always allow any streaming channel to use the microphone.

   - Never allow – Do not prompt, but never allow any streaming channel to use the microphone.

## Channel permissions

After granting or denying microphone access on a per-channel basis, you can reset channel permissions to enable them to follow the system-wide setting you specify under [Channel microphone access](#).

To reset channel permissions:

1. From the Home screen menu, navigate to Settings > Privacy > Microphone.

2. Select Channel permissions.

3. Highlight Reset channel permissions, or highlight a specific listed channel, and then press OK to deny microphone access to all or to a specific channel.

# Roku TV premium audio

Your Roku TV works with several Roku premium audio products, including Roku Streambars™, Roku wireless speakers and the Roku Wireless Subwoofer. Hold down HOME 🏠 for a few seconds to start the pairing process and then follow the instructions on your TV screen to complete pairing.

With Roku TV premium audio products, you can listen to all of your TV programs as well as the sound from any streaming channel. Select audio-only channels even let you listen to music with the TV screen turned off. After you have paired your speakers with your Roku TV, all sound normally comes from the paired speakers instead of the internal TV speakers.

If you have connected a Roku Streambar™ to your Roku TV, you can use the TV's Sound settings menu to control sound options, including sound mode, volume mode, speech clarity and virtual surround sound. See [Roku premium audio products](#) for details.

# Home theatre configuration

Your TV has several features that make it an ideal TV for a home theatre. But you might not notice them because they remain in the background until you decide to use them.

## Controlling audio output

You can control how your TV outputs sound by navigating to Settings > Audio > Audio output. Choose from the following options:

- Auto – Let the TV decide the best way to output audio. It enables the S/PDIF optical port as well as either HDMI® ARC/eARC or the built-in TV speakers.

- ARC (HDMI *n*) – Always output audio to the indicated HDMI® ARC or eARC port (depending on the model). Turn off the built-in TV speakers. The audio return channel (ARC) enables the TV to send Dolby Audio™ or DTS audio content back to a home theatre receiver or Roku Streambar™ that is also sending an audio and video signal into the TV. Using HDMI® ARC or eARC reduces the number of cables needed and controls the volume and mute state of the receiver while watching TV.

- TV speakers – Always output audio to the built-in TV speakers.

- Optical – Always output audio to the S/PDIF optical port. Turn off the built-in TV speakers.

Regardless of which setting you choose, your TV automatically mutes the active audio output when you do any of the following:

- Plug headphones into the headphone jack on the TV.
- Plug headphones a Roku remote that supports wireless private listening.
- Turn on wireless private listening in the Roku mobile app.

## Setting up a digital audio connection

To take advantage of your TV's advanced audio capabilities, connect it to an external amplifier, receiver, or soundbar by using either of these two digital audio connections:

- HDMI ARC or HDMI eARC – The HDMI® Audio Return Channel (ARC) or *on select TVs only*, the HDMI® Enhanced ARC (eARC) connector enables the TV to output digital audio on one of its HDMI® connectors. The connected amplifier then can function simultaneously as an input source to the TV, if needed, without the need to use additional cables.
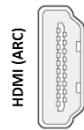
  To use the ARC or eARC capability, you must connect an HDMI® cable from your amplifier's HDMI® ARC or eARC connector to the HDMI ARC or HDMI eARC connector on the TV. You also must do the following:

  - Be sure your HDMI® cable is HDMI® certified.

  - Select Auto or ARC under Settings > Audio > Audio output.

- S/PDIF optical – The S/PDIF optical connector outputs a digital audio signal. To use the optical output, connect a TOSLINK optical cable from the amplifier to the Optical or S/PDIF connector on the TV.

  Important: *To make sure the S/PDIF outputs audio reliably, you must turn off the TV's speakers. To do so, from the Home screen menu, navigate to Settings > Audio > Audio output and change the setting to Optical.*

Note: *Dolby Audio™ support for Dolby Digital Plus™ format is not available through the S/ PDIF optical output. This format is only available through the HDMI ARC connection.*

Tip: *Even when you use S/PDIF for audio, the TV can correctly detect more audio formats if you connect an HDMI® cable between the TV's HDMI ARC or HDMI eARC port and the receiver's ARC or eARC port.*

## Choosing an audio format

After making the required HDMI® ARC, eARC, or S/PDIF optical connection, go to Settings > Audio > Digital output format and select the audio format to use.

Choosing Auto is the easy solution, and generally provides good results. However, if you have a high-end sound system and want to make sure you are getting the best sound quality available in the programs you are watching, you can choose another setting.

- Auto – Automatically detects the incoming audio format and transcodes it to a compatible available format for the audio output (ARC, eARC, or S/PDIF).

- Passthrough – Passes through the input audio to the connected receiver without transcoding, sometimes resulting in better audio quality especially for high-end audio formats such as those that take advantage of the higher bandwidth of eARC, including Dolby MAT and Dolby Digital Plus 7.1, among others.

- Stereo – Always outputs stereo, regardless of input audio format.

- Custom – When selected, reveals the following additional options for Dolby and DTS audio:

  - Dolby – Converts all input formats to either Dolby Digital or Dolby Digital Plus, according to the option you choose:

    - Dolby Digital – Converts all input formats to Dolby Digital.

    - Dolby Digital Plus – Converts all input formats to Dolby Digital Plus.

  - DTS – If you select On, converts all audio sources *except DTS* to Dolby Digital or Dolby Digital Plus according to the Dolby option you selected. If DTS is detected and

the receiver supports DTS, this option passes through the DTS audio without modification. If you select Off, the TV does not detect or pass through DTS audio.

Note: *DTS audio formats are meant to be used with ARC, eARC, or S/PDIF connections to a DTS-capable home theatre receiver. If you enable DTS when using the TV speakers, you might not hear any audio.*

## Adjusting audio delay

Soundbars, receivers and other custom audio setups can introduce delays that cause the sound to be out of sync with the picture. To correct this issue, you can use a feature of the Roku mobile app to analyze the delay through your smart phone camera and microphone.

In the Roku mobile app[1] Remote screen, touch Settings and then select Adjust audio delay. Follow the instructions on the screen to complete the audio delay adjustment. Your Roku TV stores the delay values and uses them whenever you play content through the connected audio device.

## Turning off the TV screen while listening to music

Certain music channels enable you to turn off the TV screen while streaming music.

To turn off the TV screen on supported channels:

1. Press STAR ✱ to display the TV settings menu.

2. Press DOWN to highlight Turn off display.

3. Press OK.

Tip: *If you are using a Roku Voice Remote or the Roku mobile app, press VOICE 🎤 and say, "Turn off the display."*

Note: *This feature is available only on select streaming audio channels, and only when the TV is operating in connected mode with Fast TV Start enabled. To enable Fast TV Start, from the Home screen menu, navigate to Settings > System > Power.*

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[1] Requires Roku mobile app version 8.7.0 or higher.

# Controlling other devices through CEC

Consumer Electronics Control (CEC) enables your TV and other CEC-compatible home entertainment devices to control one another in various ways. First, the CEC-compatible devices must "discover" one another and report their capabilities. After this, one device can control another according to the features you enable. For example, playing a disc on a Blu-ray™ player could switch the TV to the Blu-ray™ player's input. Or, powering off the TV could also power off the Blu-ray™ player and the home theatre receiver.

## Discover connected CEC devices

To discover CEC devices:

1. Make sure that your CEC-compatible devices are connected to the TV with a suitable certified HDMI® Cable that supports HDMI® ARC and CEC control.

2. Turn on each device and make sure all devices are CEC enabled.

   Tip: *Some manufacturers have their own branded names for CEC functionality, so you might need to read the product documentation to correctly identify the CEC features of the device.*

3. On the TV's Home screen menu, navigate to Settings > System > Control other devices (CEC) and then select Search for CEC devices. Press OK to repeat the discovery process, if necessary.

When finished, the TV displays a list of CEC devices that are connected to each HDMI input, as well as any devices that had previously been connected. The TV remembers the names of multiple CEC devices even when they are no longer connected. If the list is longer than the allowed space, press STAR ✱ to see a complete list in a scrollable window.

## Enable 1-touch play

1-touch play enables a device to control which TV input is active. For example, pressing Play on your Blu-ray™ player switches the TV to the Blu-ray™ input.

1-touch play is disabled by default. To enable 1-touch play, from the Home screen menu, navigate to Settings > System > Control other devices (CEC) and highlight 1-touch play. Press OK to enable or disable the feature.

Enable system standby

The system standby feature causes other devices to power off when you power off your TV. Depending on the CEC System Standby implementation, it also might enable connected devices to power off your TV when you power off the device.

System standby is disabled by default. To enable system standby, from the Home screen menu, navigate to Settings > System > Control other devices (CEC) and highlight System standby. Press OK to enable or disable the feature.

# Restart the TV

You can restart the TV when necessary. Restarting has the same effect as unplugging the TV power and then plugging it in again.

To restart the TV, navigate to Settings > System > Power, and then select System restart. Highlight Restart, and then press OK to confirm restart.

While the TV restarts, the screen goes dark for a few seconds and then displays the start-up screen for a few more seconds. When the restart operation completes, the TV displays the activity you selected in [Power on settings](#).

# Reset the TV

You can choose to reset only the TV picture and audio settings to their original values, or perform a full factory reset to return the TV to the state it was in when you first unpacked and turned it on.

## Reset audio/picture settings

To reset only the TV picture and audio settings to their original values, navigate to Settings > System > Advanced system settings > Factory reset, and then highlight Reset TV audio/picture settings. Read the information on the screen to make sure you understand what the reset operation does.

To proceed with the reset operation, press PLAY/PAUSE ▶❙❙ three times in a row.

## Factory reset everything

A full factory reset returns the TV's settings to their original state and removes all personally identifiable information from the TV. When finished, you must repeat Guided Setup, reconnecting to the Internet, re-linking your Roku account, and reloading any streaming channels. You also must repeat live TV setup and input configuration.

Factory reset is the recommended choice if you want to transfer the TV to another owner, and it is the only choice if you want to switch from Store mode to Home mode (if you inadvertently selected Store mode during Guided Setup).

To perform a factory reset, navigate to Settings > System > Advanced system settings > Factory reset, and then highlight Factory reset everything. Read the information on the screen to make sure you understand what this reset operation does.

To proceed with the full factory reset, use the on-screen number pad to enter the code displayed on the screen, and then select OK to proceed.

When the factory reset operation completes, the TV restarts and displays the first Guided Setup screen.

## What if I can't access the Factory Reset option?

It is possible for your TV to get into a state where you cannot access the various menus, including the menu option that lets you perform a factory reset operation. If that happens, you can force the TV to reset by following these steps.

### Models with a RESET button

1. Using a straightened paper clip or ball-point pen, press and hold the recessed RESET button on the TV connector panel.

2. Continue to hold the RESET button for approximately 12 seconds.

   When the reset cycle completes, the status indicator comes on dim.

3. Release the RESET button. The TV is now powered off.

4. Turn on the TV and proceed through Guided Setup. See Guided Setup.

### Models without a RESET button

1. On the TV panel (not the remote) press and hold down the MUTE and POWER buttons.

2. Unplug the TV power, and then plug it in while continuing to hold down the MUTE and POWER buttons.

3. When you see the start-up screen appear on the TV, release the buttons.

4. Turn on the TV and proceed through Guided Setup. See [Guided Setup](#).

## Network connection reset

If you want to remove your network connection information without disturbing other settings, navigate from the Home screen menu to Settings > System > Advanced system settings > Network connection reset and then select Reset connection.

When you select this option, the TV removes your wireless network information, including the name of the connection (its SSID) and your wireless password, if any, and then it restarts. After restarting, your TV retains all of its other settings including its association with your Roku account.

After resetting your network connection, navigate from the Home screen menu to Settings > Network > Set up connection to set up your network connection and enjoy all of the benefits of your connected TV.

# Roku Account PIN

When you created your Roku account, you were given the opportunity to create a PIN code and to specify when it must be used. You can:

- Require that users enter the PIN to make purchases through the TV.
- Require that users enter the PIN to add items from the Roku Store.
- Establish parental controls for The Roku Channel.
- Enable or disable Guest Mode.

Follow these steps if you created a Roku PIN and want to change it, or you don't remember your PIN, or if you didn't create a Roku Account PIN and want to add one.

1. Use a web browser to go to https://my.roku.com and sign in.

   After signing in, the My account page appears.

2. Under PIN preference, click Update to open the Choose your PIN preferences page.

3. Use the options on this page to create or change your Roku PIN and to specify how the PIN is to be used.

4. Click Save Changes to save your changes and return to the My Account page. Note that your current setting is described under PIN preference.

# Update the TV

If your TV is operating in connected mode, it will automatically get updates from time to time. You don't need to do anything. But if you are aware that an update is available and you don't want to wait until the TV updates itself, you can manually check for updates.

If your TV is operating in non-connected mode, you can still get updates by using a USB flash drive.

You can download an updated User Guide that matches your Roku TV software version from the Roku web site at:

www.roku.com/support

To determine your current Roku TV software version, go to Settings > System > About, and then press OK or navigate to the right.

## Checking for updates on a connected TV

If you're one of those people who has to have the latest, most up-to-date features the moment they are available, you can check for updates as often as you want.

To check for updates, navigate to Settings > System > System update, and then select Check now. The TV responds either with a message saying that your TV is up to date, or with a message saying that an update is available.

Follow the instructions on the screen to install the system update.

Note: *Sometimes system updates install new system software and other times they install new features for streaming channels. Therefore, you won't always see a change in the behaviour of your TV after a system update.*

## Getting updates on a non-connected TV

If your TV is not connected to the Internet, you can still get system updates by using a USB flash drive and a computer with an Internet connection.

To get a system update, navigate to Settings > System > System update:
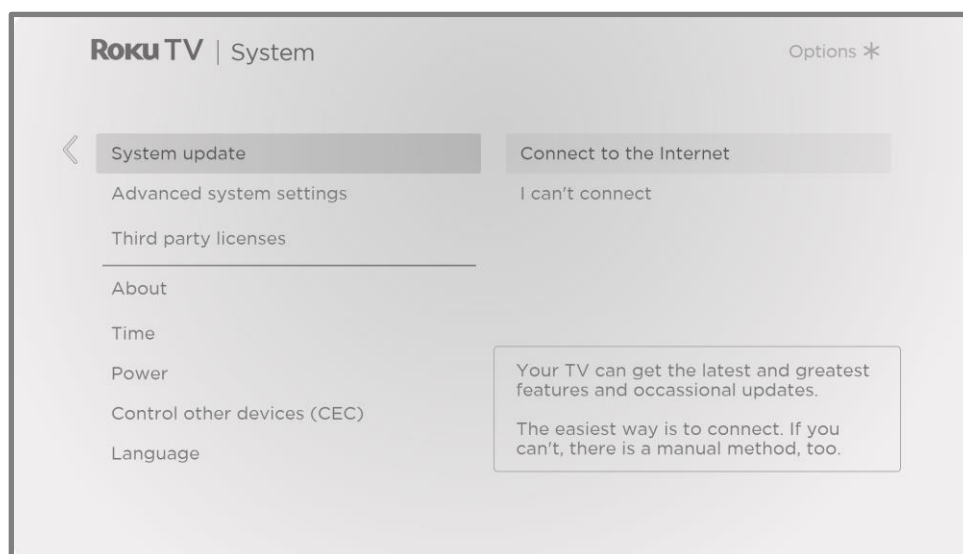
The System update screen on a non-connected TV gives you the opportunity to connect your TV to the Internet to automatically receive updates. We recommend this option if it is possible in your situation. To proceed, select Connect to the Internet and follow the instructions in [What if I didn't connect my TV?](#)

Otherwise, if you can't connect to the Internet, select I can't connect, and then follow the instructions on the screen. Here's a summary:

1. On an Internet-connected computer, go to the web site displayed on the System update screen.

2. On the USB Update web page, select the correct brand and model, and then click Next.

3. Click Download Software, and then save the file to the root folder of a standard USB flash drive.

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### USB flash drive

Any normal USB flash drive will work, provided it has a FAT-16 or FAT-32 file system format. (This is the default for most flash drives.)

The size of the download is small—usually less than 100 MB—and so will fit on most any size flash drive you might have.

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4. When the download finishes, take the USB flash drive to the TV and plug it into the USB port. When you do, the TV validates the files on the flash drive and displays a 12-digit code.

5. Write down the code and the web address, and take this information back to your Internet-connected computer.

6. On the 12-digit code page, enter the code your TV displayed, and then click Next.

7. On the 6-digit code page, write down the 6-digit code that appears, and then take it back to your TV.

## 12- and 6-digit codes

The USB update process uses a pair of codes to validate that you are authorized to install an update, and to ensure you are not attempting to install an old, unsupported version of the system software.

8. Using the TV remote, select Next to move to the next screen, and then use the on-screen keyboard to enter the 6-digit code. When finished, select OK. The system update begins. Do not remove the USB flash drive until the TV restarts.

When the update finishes, the TV restarts. You can check the new version number by navigating to Settings > System > About.

# Other devices

## Mirror your phone or tablet

*Only in connected mode*, your TV has a feature called screen mirroring that lets you mirror your compatible smartphone or tablet on your TV. Share videos, photos, web pages, and more from compatible devices.

By default, your TV's screen mirroring mode is set to Prompt. In this mode, when your TV receives a screen mirroring request, it prompts you with the following options, unless you have previously selected Always allow or Never allow for the device:

* Always allow – Always accept mirrored content from the mobile device without additional prompting in the future for this device.

* Allow – Accept mirrored content from the mobile device this time only. Prompt again next time this device attempts to mirror content.

* Block – Do not accept mirrored content from the mobile device at this time. Prompt again next time this device attempts to mirror content.

* Always block – Never accept mirrored content from this mobile device.

Note: *You can manage and change the list of devices that are set to Always allow or Always block by navigating from the Home screen menu to Settings > System > Screen mirroring > Screen mirroring devices.*

* If you prefer to always allow all screen mirroring attempts without prompting, go to Settings > System > Screen mirroring, and then change the Screen mirroring mode to Always allow.

* If you prefer to never allow screen mirroring from any device, change the Screen mirroring mode to Never allow.

For information on which devices may work with screen mirroring and instructions on how to use it, go to the following link on the Roku web site:

[go.roku.com/screenmirroring](go.roku.com/screenmirroring)

# Roku mobile app

Roku makes the Roku mobile app free for compatible iOS® and Android™ mobile devices.

The Roku mobile app is an alternative control centre for your Roku TV, plus a way to stream Roku content while you are on the go. The Roku mobile app helps you find and add new Roku Channels, more easily search and find something to watch and even use your voice to search without typing.

Find more information and get the Roku mobile app by using the following link to the Roku web site:

[go.roku.com/mobileapp](go.roku.com/mobileapp)

## Private Listening on the Roku mobile app

*Only on compatible Apple and Android devices*, the Roku mobile app enables you to use headphones connected to your device to listen to streaming programs and live digital TV channels. Make sure you have the latest version of the Roku mobile app before using this feature.

For more information, go to the following link on the Roku web site:

[go.roku.com/privatelistening](go.roku.com/privatelistening)

# Universal remotes

In many cases, you can program your cable or satellite universal remote to also control your TV. You will need to have instructions for programming the remote handy. Check with your cable or satellite provider for instructions.

For details on how to set up the TV to work with universal remotes, go to the following link on the Roku web site:

go.roku.com/universalremote

# FAQ

For the latest answers to Frequently Asked Questions, visit the Roku support website:

[go.roku.com/support](go.roku.com/support)

## Legal statement

Your use of the Roku TV is subject to the [Roku TV Terms of Use](#). Your Roku account and other features and functionality offered by Roku may be subject to additional terms. To learn more visit roku.com/legal/docs.

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