PHILIPS

ROKU TV

User manual

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Know these safety symbols



The caution marking is located on the rear or bottom of the cabinet.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the apparatuss' enclosure that may be of sufficient magnitude to constitute a risk oeflectric shock to persons.

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 literatuer accompanying the apparatus.

WARNING: **To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.**

CAUTION: **To prevent electric shock, match wide blade of plug to wide slot, fully insert.**

For fastest support visit us online for chat and self service solutions at www.philips.com/support

CHILD SAFETY:

PROPER TELEVISION PLACEMENT MATTERS

THE CONSUMER ELECTRONICS INDUSTRY CARES

- Manufacturers, retailers and the rest of the consumer technology industry are committed to making home entertainment safe and enjoyable.
- As you enjoy your television, please note that all televisions - new and old- must be supported on proper stands or installed according to the manufacturer's recommendations. Televisions that are inappropriately situated on dressers, bookcases, shelves, desks, speakers, chests, carts, etc., may fall over, resulting in injury.

TUNE IN TO SAFETY

- **ALWAYS** follow the manufacturer's recommendations for the safe installation of your television.
- **ALWAYS** read and follow all instructions for proper use of your television.
- **NEVER** allow children to climb on or play on the television or the furniture on which the television is placed.
- **NEVER** place the television on furniture that can easily be used as steps, such as a chest of drawers.
- **ALWAYS** install the television where it cannot be pushed, pulled over or knocked down.
- **ALWAYS** route cords and cables connected to the television so that they cannot be tripped over, pulled or grabbed.

WALL OR CEILING MOUNT YOUR TELEVISION

- **ALWAYS** contact your retailer about professional installation if you have any doubts about your ability to safely mount your television.
- **ALWAYS** use a mount that has been recommended by the television manufacturer and has a safety certification by a Nationally Recognized Testing Laboratory (NRTL).
- **ALWAYS** follow all instructions supplied by the television and mount manufacturers.
- **ALWAYS** make sure that the wall or ceiling where you are mounting the television is appropriate. Some mounts are not designed to be mounted to walls and ceilings with steel studs or cinder block construction. If you are unsure, contact a professional installer.
- Televisions can be heavy. A minimum of two people is required for a wall or ceiling mount installation.

MOVING AN OLDER TELEVISION TO A NEW PLACE IN YOUR HOME

- Many new television buyers move their older CRT televisions into a secondary room after the purchase of a fiat-panel television. Special care should be made in the placement of older CRT televisions.
- **ALWAYS** place your older CRT television on furniture that is sturdy and appropriate for its size and weight.
- **NEVER** place your older CRT television on a dresser where children may be tempted to use the drawers to climb.
- **ALWAYS** make sure your older CRT television does not hang over the edge of your furniture.

Consumer Technology Association™

Important safety instructions

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 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 are 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 manufacturer.
12. Use only with the 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.

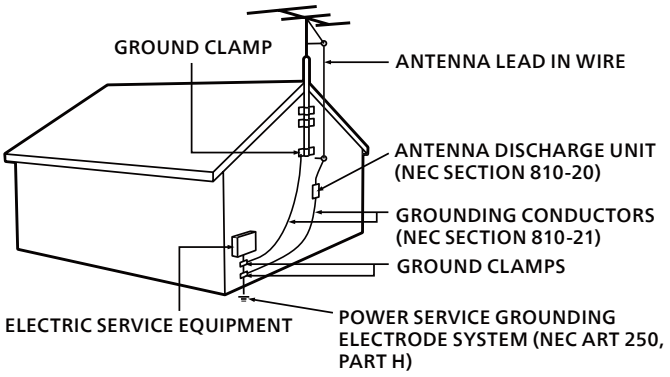


13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Note to the CATV system installer:

This reminder is provided to call the CATV 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.

Example of antenna grounding as per NEC - National Electric Code



Wall mount bracket kit

TV Size	VESA	Screw Diameter	Screw Depth in TV Back	Screw Quantity
65"	15.74"x11.81"(400 x 300 mm)	M6	0.472"(12 mm)	4

- Your TV meets the VESA standard for wall mounting. Consult with your local dealer for a wall mount bracket which is compatible with your TV model.
- The recommended wall mount bracket kit (sold separately) allows the mounting of the TV on the wall.
- For detailed information on installing the wall mount, refer to the wall mount Instruction book.
- Skyworth USA Corporation is not responsible for any damage to the product or injury to yourself or others if you elect to install the TV wall mount bracket or mount the TV onto the bracket on your own.
- The wall mount bracket must be installed by experts.

Skyworth USA Corporation is not liable for these types of accidents or injuries noted below.

- Install the wall mount bracket on a sturdy vertical wall.
- If installed onto a ceiling or slanted wall, the TV and wall mount bracket may fall which could result in a severe injury.
- Do not use screws that are longer or shorter than their specified length. If screws too long are used this may cause mechanical or electrical damage inside the TV set. If screws too short are used this may cause the TV set to fall.
- Do not fasten the screws by excessive force. This may damage the product or cause the product to fall, leading to an injury.
- For safety reasons use 2 people to mount the TV onto a wall mounting bracket.
- Do not mount the TV onto the wall mounting bracket while your TV is plugged in or turned on. It may result in an electrical shock injury.

When installing the unit on the wall, allow this much space.

Top : 11.8" (30 cm)
Left and right side : 5.9" (15 cm)
Bottom : 3.9" (10 cm)

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Pixel characteristics

This LCD product has a high number of color pixels. Although it has effective pixels of 99.999% or more, black dots or bright points of light (red, green or blue) may appear constantly on the screen. This is a structural property of the display (within common industry standards) and is not a malfunction.

Warranty

No components are user serviceable. Do not open or remove covers to the inside of the product. Repairs may only be done by service centers and official repair shops. Failure to do so shall void any warranty, stated or implied.

Any operation expressly prohibited in this manual, any adjustments or assembly procedures not recommended or authorized in this manual shall void the warranty.

Federal communications commission notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC 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 turning 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 the 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 or television technician for help.

Modifications

This apparatus may generate or use radio frequency energy. Changes or modifications to this apparatus may cause harmful interference.

Any modifications to the apparatus must be approved by Funai Corporation.

The user could lose the authority to operate this apparatus if an unauthorized change or modification is made.

Cables

Connections to this device must be made with shielded cables with metallic RFI/EMI connector hoods to maintain compliance with FCC Rules and regulations.

Canadian notice

CAN ICES-3 (B)/NMB-3 (B)
Analog and digital television receiving apparatus, Canada BETS-7/ NTMR-7.

The following FCC/IC RSS applies to the wireless LAN adapter included in this product.

FCC caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

FCC/IC RF Exposure Compliance

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the IC radio frequency (RF) Exposure rules.
This equipment should be installed and operated keeping the radiator at least 20cm or more away from your body.

This device complies with Part 15 of FCC Rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device.

5150-5250 MHz band is restricted to indoor operations only.

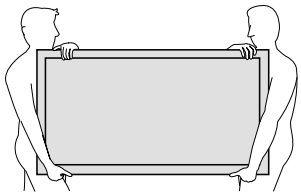
High-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Compliance with FCC requirement 15.407(c) and IC requirement RSS-210 A9.4.4

Data transmission is always initiated by software, which is the passed down through the MAC, through the digital and analog baseband, and finally to the RF chip. Several special packets are initiated by the MAC. These are the only ways the digital baseband portion will turn on the RF transmitter, which it then turns off at the end of the packet. Therefore, the transmitter will be on only while one of the aforementioned packets is being transmitted. In other words, this device automatically discontinue transmission in case of either absence of information to transmit or operational failure.

Positioning the TV

- Large screen TVs are heavy. 2 people are required to carry and handle a large screen TV.
- Make sure to hold the upper and bottom frames of the unit firmly as illustrated.



- Install the unit in a horizontal and stable position.
- Do not install the unit in direct sunlight or in a place subject to dust or strong vibration.
- Depending on the environment, the temperature of this unit may increase slightly. This is not a malfunction.
- When installing this unit in a temperate environment, avoid a place with rapid temperature changes.
  - Operating temperature: 41°F (5°C) to 104°F (40°C)
- This unit should not be used in a tropical environment as it has not been evaluated under such conditions.
- No objects should be placed directly on or under this unit, especially lighted candles or other faming objects.
- Depending on your external devices, noise or disturbance of the picture and/or sound may be generated if the unit is placed too close to them. In this case, please ensure enough space between the external devices and the unit.
- Do not insert the AC power cord into the power socket outlet before all the connections are made.
- Ensure that you always have easy access to the AC power cord and outlet to disconnect the TV from the AC outlet.
- Before you move the TV, disconnect attached cables to prevent damage to connectors, especially the TV tuner.
- Be sure to unplug the AC power plug from the AC outlet before moving or carrying the unit.
- When moving the TV and then setting it down, please be careful not to pinch the AC power cord under the unit.
- Do not place this unit in an area where it may be exposed to water, oil or grease such as:
  near a bathtub, basin, kitchen sink, washing tub, swimming pool, kitchen exhaust fan, etc., or in a damp basement.

Regulatory notices

WARNING : To prevent injury, this apparatus must be securely attached to the furniture/wall in accordance with the instructions. Tipping, shaking or rocking the unit may cause injury/death.

WARNING : Never place a TV in an unstable location. A TV may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

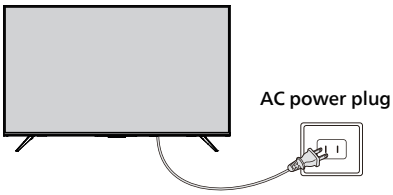
- Using cabinets or stands recommended by the manufacturer of the TV.
- Only using furniture that can safely support the TV.
- Ensuring the TV is not overhanging the edge of the supporting furniture.
- Not placing the TV on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the TV to a suitable support.
- Not placing the TV on cloth or other materials that may be located between the TV and supporting furniture.
- Educating the children about the dangers of climbing on furniture to reach the TV or its controls.

If your existing TV is being retained and relocated, the same considerations as above should be applied.

Do not place the unit on the furniture that is capable of being tilted by a child and an adult leaning, pulling, standing or climbing on it. A falling unit can cause serious injury or even death.

In order to avoid interruption of ventilation, this unit should not be placed in built-in equipment such as a book cabinet, rack, etc., and the vents of this unit should not be covered with anything such as a tablecloth, curtain, newspaper, etc. Make sure that there is enough ventilation space (4″/10 cm or more) around this unit.

Press **B** to turn the unit on and go into standby mode. To completely turn off the unit, you must unplug the AC power plug from the AC power outlet.
Disconnect the AC power plug to shut the unit off when trouble is found or not in use. The AC plug shall remain readily available.



Never use a gas duster on this TV.
The gas trapped inside of this unit may cause ignition and explosion.

Environmental care

The packaging of this product is intended to be recycled.
Contact your local authorities for information about how to recycle the packaging.

For product recycling information, please visit - ***www.recycle.philips.com***

End of life directives

Philips pays a lot of attention to produce environmental-friendly products in green focal areas. Your new TV contains materials which can be recycled and reused. At the end of its life, specialized companies can dismantle the discarded TV to concentrate the reusable materials and to minimize the amount of materials to be disposed of. Please ensure you dispose of your old TV according to local regulations.

⚠ Batteries usage

CAUTION : Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

WARNING : Batteries (battery pack or battery installed) should not be exposed to excessive heat such as sunshine, fire or the like. Batteries should not be exposed to extremely low air pressure as it may result in an explosion or the leakage of flammable liquid or gas.

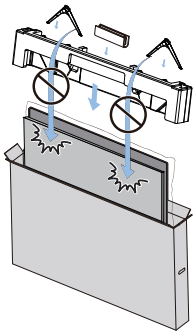
- Do not mix old and new batteries.
- Do not mix alkaline, standard (carbon-zinc) or rechargeable (ni-cad, nimh, Li-ion, etc.) batteries.
- Batteries should be recycled or disposed of as per state and local guidelines. Do not dispose of batteries in a fire, hot oven, or mechanically crushing or cutting a battery, which may result in an explosion.

Disposal of used batteries

The batteries included do not contain the heavy metals mercury and cadmium, however in certain localities, disposing batteries with household waste is not permitted. Please ensure you dispose of batteries according to local regulations.

Preparing to move/ship the unit

Please pack the unit properly by following the diagram on the carton (as noted below).



- To avoid damage to the screen, do not pack the stand on the same side as the TV screen, refer to the illustration above.

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The American Academy of Pediatrics discourages television viewing for children younger than two years of age.

Some apps are not pre-installed, internet connection is required for download.

Some features may require an always-on broadband internet connection, firmware update and/or a minimum bandwidth. Internet services vary by location.

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Channel Specification

Channel coverage	Antenna DTV (ATSC)	VHF: 2-13 UHF: 14-69
	Antenna Analog (NTSC)	VHF: 2-13 UHF: 14-69
	Cable DTV (QAM)	2-135
	Cable Analog (NTSC)	2-135
Tuning system	Channel frequency synthesized tuning system	

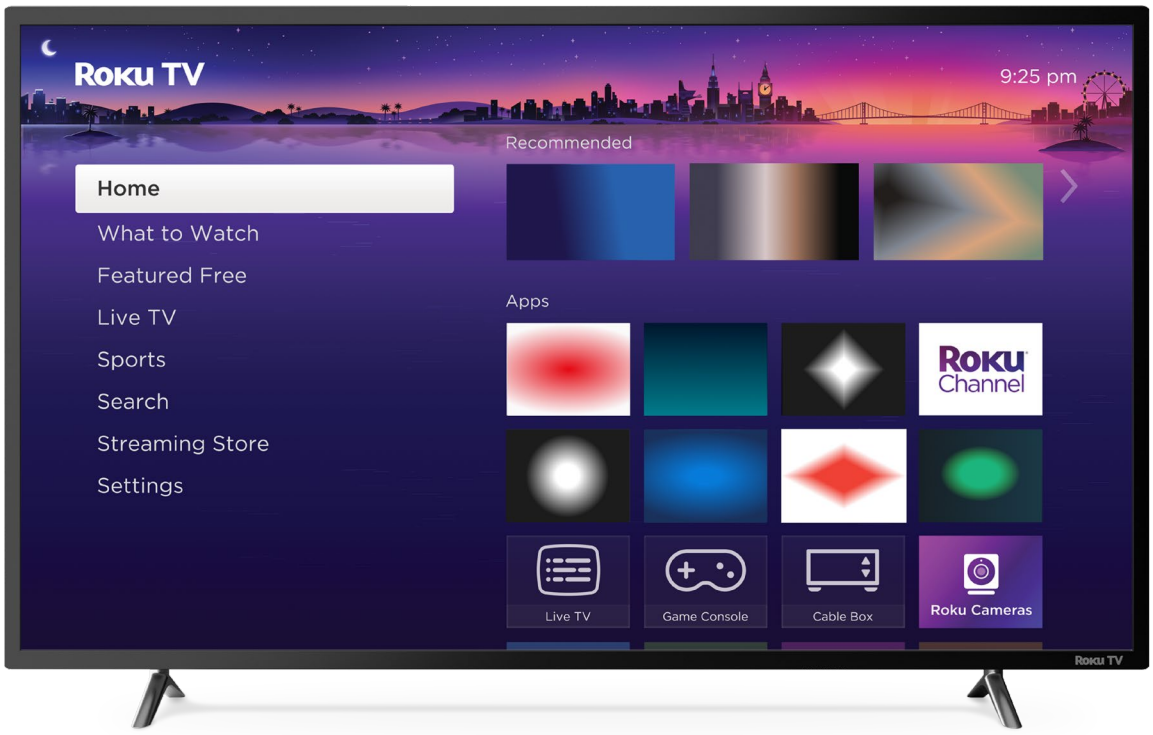
Roku TV™

User Guide

Version 15.0

For United States

English



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

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Welcome

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

Important: *When 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 15.0. To determine the current version of your Roku TV, go to* ***Settings > System > About****. Note also that some 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 favorite devices and streaming channels. Choose from hundreds of thousands of movies and TV episodes, plus content genres such as 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.*

Connecting brings out your TV's full potential

Connecting to a new or existing Roku account is free. It's easy, and unlocks a world of entertainment. All you need is a network connection. Stream a massive selection of free, live, and premium TV.

Make any night a movie night

Thousands of movies to choose from, across all major streaming movie channels[1].

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. Use the Live TV Channel Guide within The Roku Channel or while watching Live TV from your antenna or cable connection. Add premium subscriptions to watch many of your favorite channels in one place, and manage them all through your Roku account.

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 favorite 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.

Enhance your viewing room

With Roku® Backdrops, you can transform your TVs into a work of art by using images hand-picked from Roku's evolving catalogue, including famous classics, wide-ranging museum collections, abstract designs, and more, completely free. You can also upload your own images or collaborate with friends and family to create personalized Backdrop collections.

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

Recommended row at the top of the Home screen provides quick access to curated recommendations based on your viewing history.

Key sports leagues and a dedicated Roku sports channel with free, ad-supported, top-tier sports content, including an all-inclusive NBA zone and an exclusive MLB zone, all directly accessible from the Home screen menu.

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.” In addition to streaming channels, your search results include live TV programs airing in your region. If you don’t have a Roku voice remote, use an on-screen keyboard or the Roku mobile app to 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.

Voice for settings enables you to use a voice command to jump directly to a setting, rather than navigating through the Settings menus. Use Roku Voice to quickly access settings for screensavers, wallpapers, system updates, guest mode, screen mirroring, system language, and more, making your TV experience faster, easier and more delightful.

Voice commands with multiple device support let you use Apple Siri, Google Assistant, or Amazon Alexa to change stations, TV inputs, launch streaming channels, and more. Use conversational commands and, if needed, include a location in your command such as “in the bedroom” to specify which Roku device you want to control.

Apple AirPlay 2 lets you use your iOS and macOS devices to effortlessly share videos, photos, music, and more on Roku TVs[2]. 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.

1 Voice features support English, Spanish, Portuguese, and German languages.
2 Apple AirPlay 2 and HomeKit are supported by all Roku TVs *except* hardware IDs beginning with “6” (6*XXXX*) and “5” (5*XXXX*). Your TV’s model number appears as the Hardware ID found under **Settings > About**.

Live TV Pause (*certain models only*) uses a USB thumb drive (not provided) to let you pause live TV for up to 90 minutes. After pausing, you can play, fast-forward, rewind to any point within the rolling 90-minute window.

Note: *Live TV Pause is available on digital TV programs received on the **ANT** input.*

Live TV Channel Guide includes both broadcast TV channels and live streaming channels. Use the guide whenever you are watching Live TV or by selecting the Live TV Channel Guide within The Roku Channel. Let Roku automatically organize the guide based on your viewing history, or organize it yourself by channel number. Narrow down the list of channels by selecting a category such as Entertainment, Music, Reality, News, Movies, Comedy, and more.

Screen mirroring can send your personal media to the big screen from your compatible smartphone or tablet in just a few taps. Plus, with certain channels, you can send movies, programs, sport highlights, and more directly to your TV.

Private Listening enables you to listen to programs on headphones (not included). You can enjoy private listening in several ways, including:

- Using the Roku mobile app with headphones (not included) connected to your mobile phone.
- Headphones (not included) plugged into your first edition Roku Voice Remote Pro. Second edition Roku Voice Remotes do not have a headphone jack.
- *Only on models with Bluetooth® private listening*, through Bluetooth headphones (not included) that have been paired with your TV.

Customizable Home screen puts your favorite streaming channels and TV inputs front-and-center. Choose your own wallpaper and screensaver to customize your Roku TV, and configure your channels and inputs just how you want them.

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.[1]

1 Not all streaming channels currently support automatic account linking.

Free Roku mobile app for iOS® and Android™ mobile devices[1] gives you even more exclusive features, such as:

- A second, more powerful remote control. Browse channels and search more easily using your mobile device's touch keyboard. Use Roku Voice commands to search and control your TV, even if it does not have a Roku Voice Remote.[2]
- Experience private listening even if your TV does not have a Roku Voice Remote. Listen to TV audio through either wired or Bluetooth® headphones connected to your mobile device.
- Use Play on Roku to play your videos, photos, and music on your TV.
- Create a screensaver from your photo library to show whenever your TV has been inactive for an extended period.

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.

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.

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

1 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.
2 Voice features support English, French, Spanish, Portuguese, and German languages.

- 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 **Streaming Store** option on the Home Screen Menu to go to the Roku 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 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.*

Let's get started.

Connections and setup

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

Connecting an antenna, cable, or satellite box

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

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

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

- **HDMI® input** – Digital HD and SD video
- **AV input** (*certain models only*) – analog SD video

Connecting external equipment with a composite AV video cable (certain models)

Only on certain 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, color coded as follows:

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

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

Note: *Some TV models have an AV input that looks like a headphone jack. You might need a breakout cable (not included) to adapt this input to the three RCA-type plugs on your composite device. Some models do not have an AV input.*

Connecting external equipment with an HDMI® cable

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

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

The connector labeled **HDMI (ARC)** has the additional ability to use the audio return channel to send digital audio to a receiver or soundbar, as explained in Connecting an AV receiver or digital soundbar.

Only on certain models: The connector labeled **HDMI (eARC)** provides the same functionality as the **HDMI ARC** connector, plus the ability to pass through full-resolution sound formats such as Dolby Atmos® and DTS:X from and to devices that support these formats, without additional processing by the TV. Additional details are provided in Choosing an audio digital output format.

Connecting external HDMI® 2.1 equipment

Certain models have HDMI 2.1 inputs that accept 4K 120Hz signals. These inputs, if present on your TV, are identified by a bounding box, a 120Hz label, and an adjacent game controller icon. Using these inputs with HDMI 2.1-compatible equipment, especially game systems, enhances your gaming experience with the following advanced features:

- Variable Refresh Rate (VRR) reduces or eliminates lag, stutter, and frame tearing for more fluid and better detailed gameplay.
- Auto Low Latency Mode (ALLM) configures the ideal latency setting to allowing for smooth, lag-free and uninterrupted viewing and interactivity.
- Quick Frame Transport (QFT) reduces latency for smoother no-lag gaming and real-time interactive virtual reality.
- Quick Media Switching (QMS) for movies and video eliminates the delay that can occur when a device changes from one HDMI frame rate to another.

To take advantage of all HDMI 2.1 features, you must connect your equipment with an Ultra High Speed HDMI® cable. Look for cables that have the Ultra High Speed HDMI® Certification Label on the package and the Ultra High Speed HDMI® Cable name printed on the cable jacket.

For full HDMI 2.1 information, see the HDMI 2.1B Specification Technology Overview.

Connecting headphones or analog soundbar (certain models)

Only on certain 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.*

Certain 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.

Note: *Some models do not have a headphone or an audio line out jack.*

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** – *Certain 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

Your TV has a built-in wireless LAN adapter. Note that *for wireless connectivity, your TV supports only its internal wireless network adapter—it does not support the use of a USB network adapter.*

Some models have both wired and wireless network connectivity. To use the wired network connection if available on your TV, 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. The topic Status indicator explains how the status indicator shows what is happening with the TV.

Controls

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.*



Push-to-talk voice

If your remote has this button just below the purple pad, it is a Voice Remote.



Personal shortcuts and headphone jack

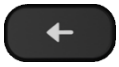
If your remote also has a headphone jack on its left edge and also has two personal shortcut buttons, it is a Voice Remote Pro (first edition).

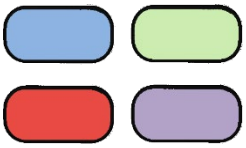


Guide and Quick Launch buttons

If your remote has a **GUIDE** button and a **QUICK LAUNCH** button, it is a Voice Remote Pro (second edition).

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

BUTTON	FUNCTION	DESCRIPTION
	**POWER**	Turns TV on and off. **Note**: *If Backdrops is enabled, short press starts Backdrops. Hold down **POWER** for a few seconds to turn off the TV.*
	**BACK**	**Menu**: Goes back to previous menu/screen. **Watching live TV or a TV input**: Returns to Home screen. **Playing streaming content**: Stops playing stream and returns to the previous menu or screen. **Browsing streaming content**: Goes to the previous level in the content tree.
	**HOME**	Immediately returns to the Home screen.
	**DIRECTIONAL PAD**	Arrows move the highlight in the corresponding direction. **OK** chooses the highlighted option. *While watching TV:* **UP/DOWN** changes channel. **LEFT** displays Live TV Channel Guide. **LEFT/RIGHT** In the channel list switches between ALL CHANNELS and FAVORITE CHANNELS. *If Live TV Pause enabled:* When program is paused, jumps backward/forward approximately 10 seconds. **OK** In the channel list, selects the highlighted channel. While watching live TV, displays program information.
	**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, change TV settings, 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. **Program guide**: Returns to the current day and time. **Streaming content**: Depends on the streaming channel. **On-screen keyboard**: Backspaces in the text you are entering.
	**REWIND** **PLAY/PAUSE** **FAST FWD**	Scan backward, pause, play, and scan forward in streaming content and (*if Live TV Pause is enabled*) in live TV channels. Press **REWIND** or **FAST FWD** one, two, or three times to control the speed of the operation. **Note**: **REWIND** and **FAST FWD** also page through long lists such as the channel list or Live TV Channel Guide.
	**STAR**	Displays additional options when available. On-screen hints let you know when this button is active.
	**GAME MODE**	*Certain models*. Only on **HDMI** and **AV** inputs, turns Game mode on or off. When **On**, the TV does less image processing, producing lower input lag for action games
	**SLEEP**	*Certain models*. Cycles among preset sleep time intervals and displays the remaining sleep time, if any.
	**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 also does the following: • Displays the streaming channel's main page if you have already added the channel to your Home screen. • Displays the streaming channel's sign-up page if you have not already added the channel.

BUTTON	FUNCTION	DESCRIPTION
	**PERSONAL SHORTCUTS**	*Voice Remote Pro first edition:* Programmable buttons to which you can assign any of several functions. Hold down a button for a few seconds to display on-screen instructions.
	**GUIDE**	*Voice Remote Pro second edition:* Displays the Live TV Channel Guide.
	**QUICK LAUNCH**	*Voice Remote Pro second edition:* A programmable button to which you can assign any of several functions. Hold down the button for a few seconds to display on-screen instructions.
	**UP** **DOWN** **MUTE**	Located on the right edge of the remote. Increases/decreases volume and mutes the TV sound.
	**HANDS-FREE VOICE** **HEADPHONE**	If you have a Roku Voice Remote Pro, this switch is located on the left edge of the remote. Turn it on to enable issuing commands by saying, “Hey, Roku” followed by your voice command, in place of using the **VOICE** button. Also located on the left edge of the Roku Voice Remote Pro (first edition), you can connect headphones to listen privately. Plugging in headphones mutes the TV speakers.

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)
Two buttons	Normal control functions as listed for single button models.	Lower button: Same as single button function listed above
	Activate remote finder (only on models with a Roku Voice Remote)	Upper, remote-shaped button: short press (less than 2 seconds)
	Factory reset the TV	Press both buttons for at least five seconds.
Three buttons	Power off	Middle button, short press (less than 2 seconds)
	Input List	Middle button, long press (more than 2 seconds)
	Select next input	Right button when Input List is not displayed
	Dismiss input list	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)
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 –
	Power on/off	POWER

BUTTON DESIGN	FUNCTION	OPERATION
Seven discrete buttons	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

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. The panel button(s) on some models might be difficult to find. If the location is not obvious, check the bottom center of the TV behind the status indicator LED, or the back panel of the TV near the lower right or left side.

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

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:

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



After a few seconds, Guided Setup starts.

Guided Setup

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



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

   Accessibility: *If you have selected **English** language, you can activate the screen reader, a text-to-speech assistive device to help you navigate the TV's menus and commands. To enable the screen reader, press **STAR** ✱ four times in rapid succession. Repeat to disable the screen reader. (**STAR** ✱ is located directly below the purple directional pad on the right side of the Roku remote.)*

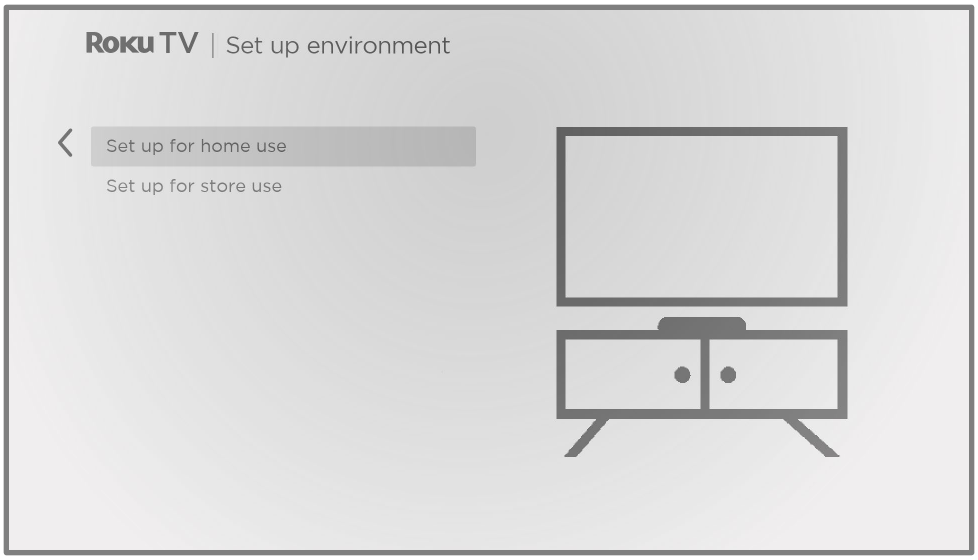
   If you enabled the screen reader, choosing any language other than English disables it.

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

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



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

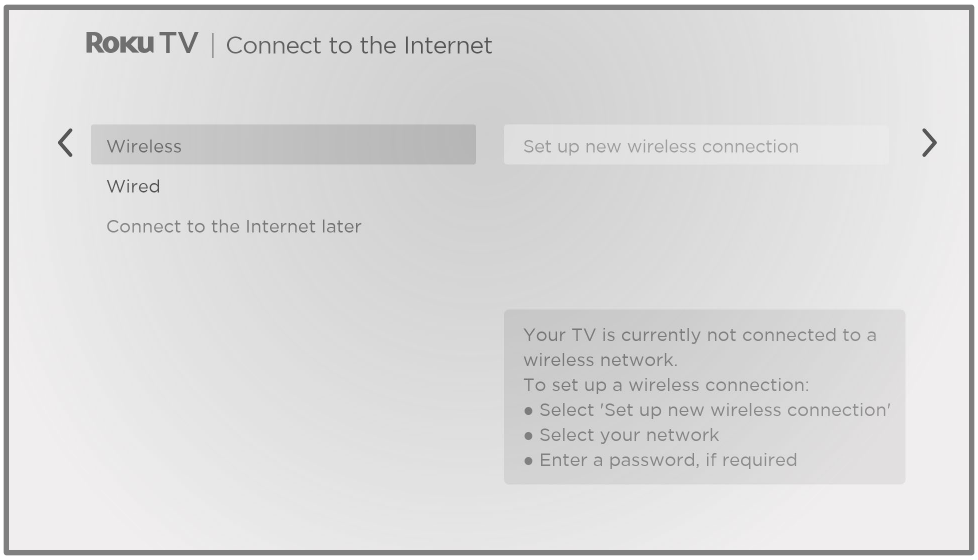


4. Press **OK** to select **Set up for home use**. This is the right choice for enjoying your TV at home. It provides energy saving options as well as access to all features of the TV.

   Note: ***Set up for store use*** *configures the TV for retail display including video and screen overlays demonstrating the features of the TV. This mode is not recommended for any other use. In store mode, many features of the TV are missing or limited. To switch from one mode to the other, you must 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:

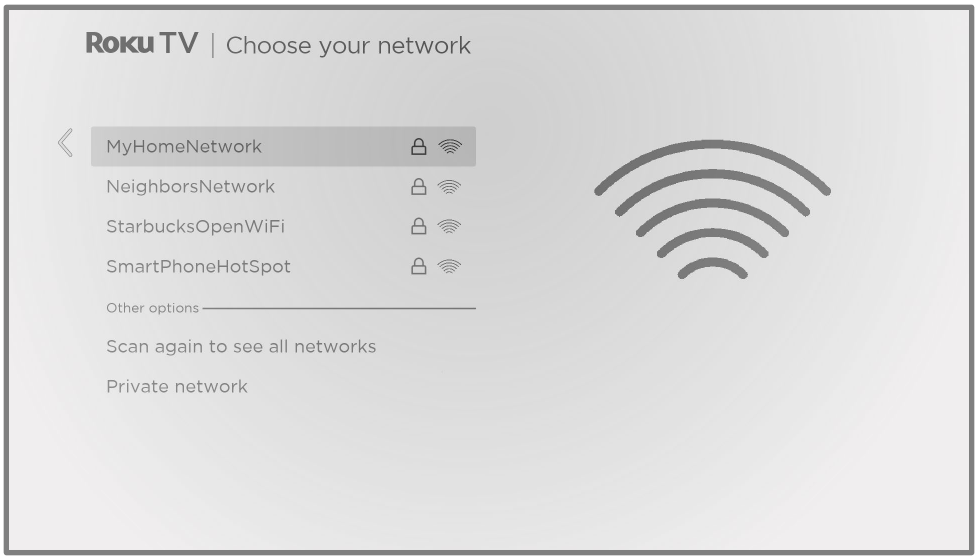
   - **Wireless connection** – Highlight **Set up new wireless connection** and press **OK**. The TV prompts you through wireless setup. Skip ahead to the next step for help with the process.

   - **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** (*Only on certain models*) – Select this option to skip connecting to the Internet. 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 What if I didn't connect my TV?

     Note: *If you decide not to connect to the Internet, 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 wireless-only models or models with both wired and wireless and you've selected **Wireless**,* the TV scans for the wireless networks within range and displays them in order, with the strongest signals first. In addition to your own wireless signal, the TV might pick up signals from your neighbors.



Press **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

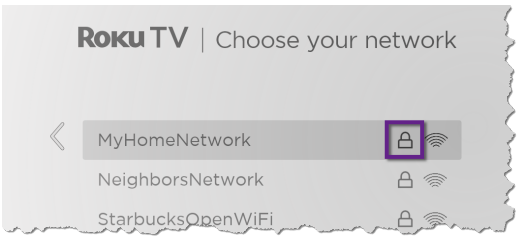
- **Scan again / Scan again to see all networks** – The name of this option depends on the number of wireless networks within range.
    - **Scan again** appears if the list already shows all available wireless networks within range. If you don't see your wireless network name in the list, you might 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 only if there are more wireless networks than the ones 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."

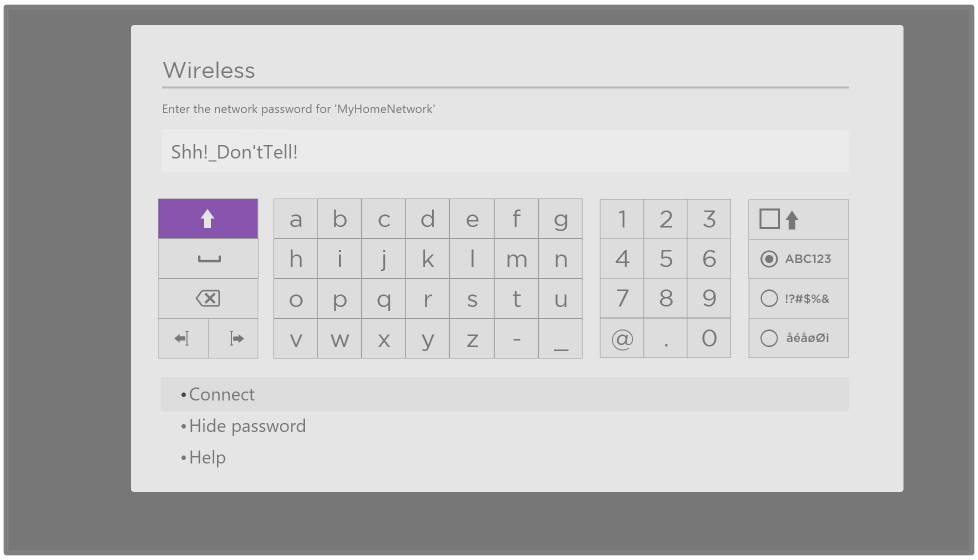
  Note: *Highlighting either of these options displays an informational panel with the unique media access control (MAC) address of your Roku TV. You will need the MAC address if your wireless router is configured to use MAC address filtering.*

- **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.*

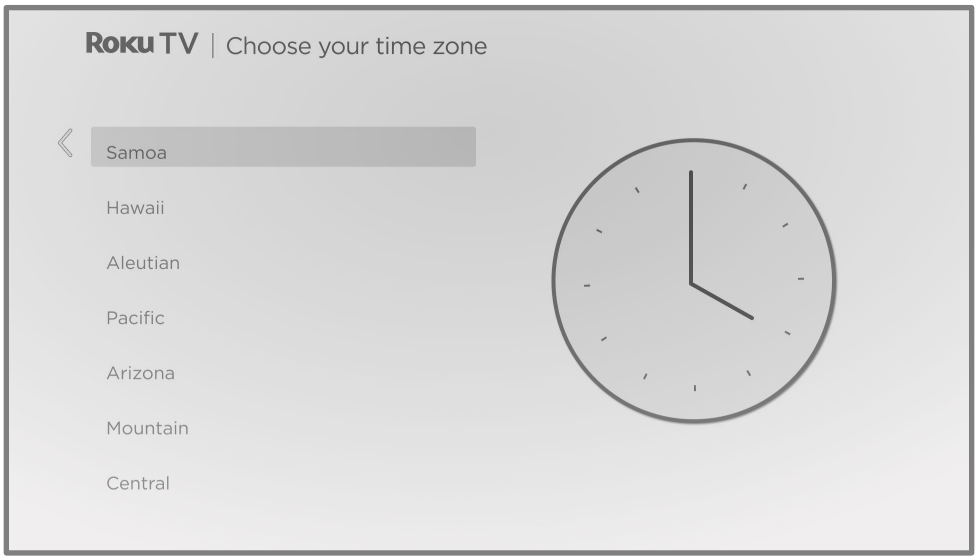


7. *Unless you are connecting to an open wireless network,* an on-screen keyboard appears. Enter your wireless network password by using the purple directional pad to navigate the keyboard and pressing **OK** to select a highlighted letter, number, or symbol. When you finish, press **DOWN** to select **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 15.0. But note also 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 for the latest software version from the Roku TV web site at:*

go.roku.com/tvmanual

Activation

After the TV restarts, it prompts you through activation. Note that you may need to supply your email address to activate your TV.

9. To begin the activation process, either:

    - Using a smartphone or tablet with an Internet connection, scan the QR code that appears on your screen, go to the indicated link, and complete the activation process.

    - Enter your email address on the TV when prompted, and then use a computer, tablet, or smartphone with an Internet connection to receive the resulting email. Follow the instructions in the email to complete the activation process.

    Note: ***Beware of scams***. Roku never charges for activation support. For detailed information, see the Roku support article, How to protect yourself from activation and technical support scams

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 Store and billing service.
- Streaming content providers know that it's OK to send content you request to your Roku TV.
- Roku can automatically update your TV with the latest features.

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 a fully-featured Live TV Channel Guide, to name just a few. Roku accounts are free. Providing payment information during signup makes renting, purchasing, and subscribing to entertainment from the Roku Store fast and convenient.

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

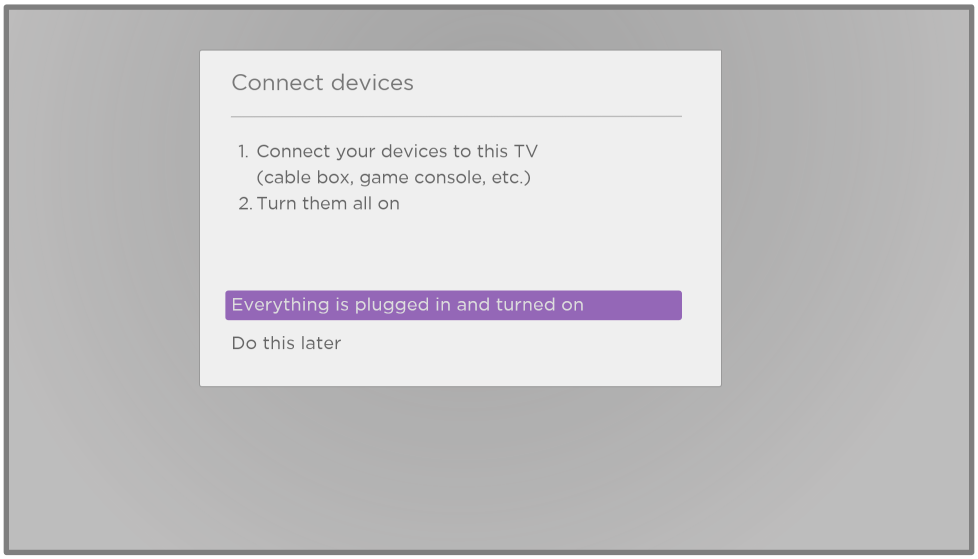
Tip: *Roku periodically synchronizes streaming channels among all of the devices associated with your account. Therefore, adding or removing a channel from one of your Roku devices adds or removes it from all of your other Roku devices (subject to compatibility with the device).*

Connect your devices

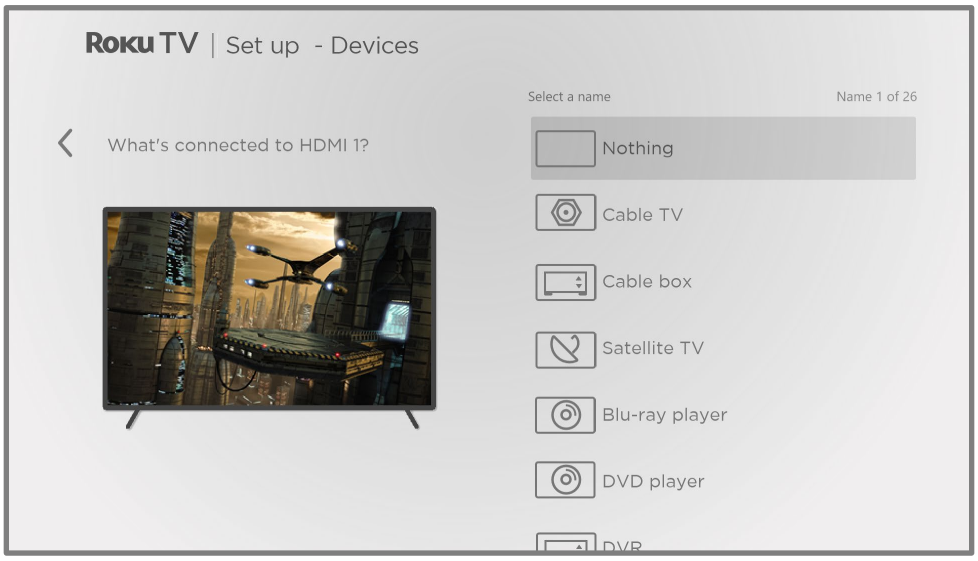
Next, Guided Setup helps you set up the external devices that you want to use with it, such as a cable box, Blu-ray™ player, or game console.



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.



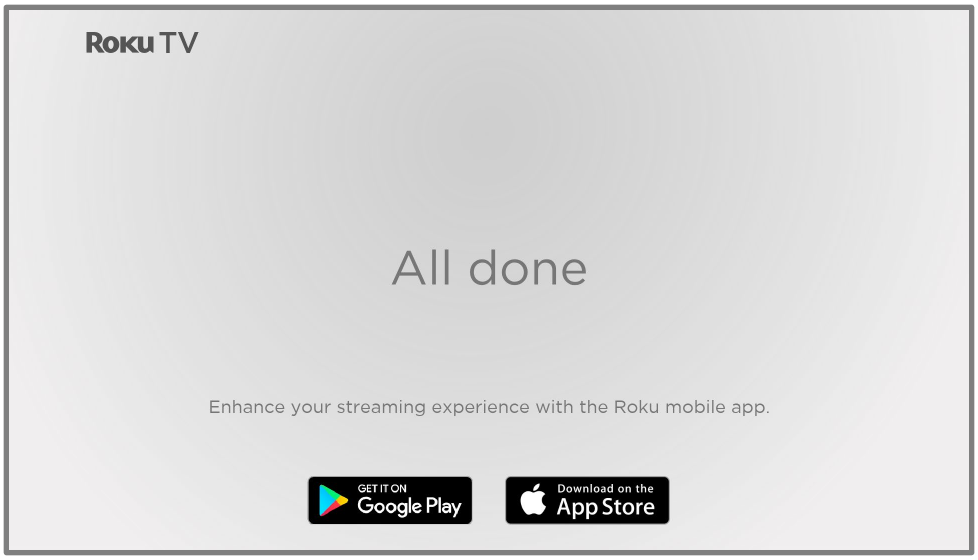
12. Press **UP** or **DOWN** to highlight the label you want to associate with the input, and then press **OK**. If you are not using the input, select **Nothing**, and the input won't appear on the Home screen.

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.



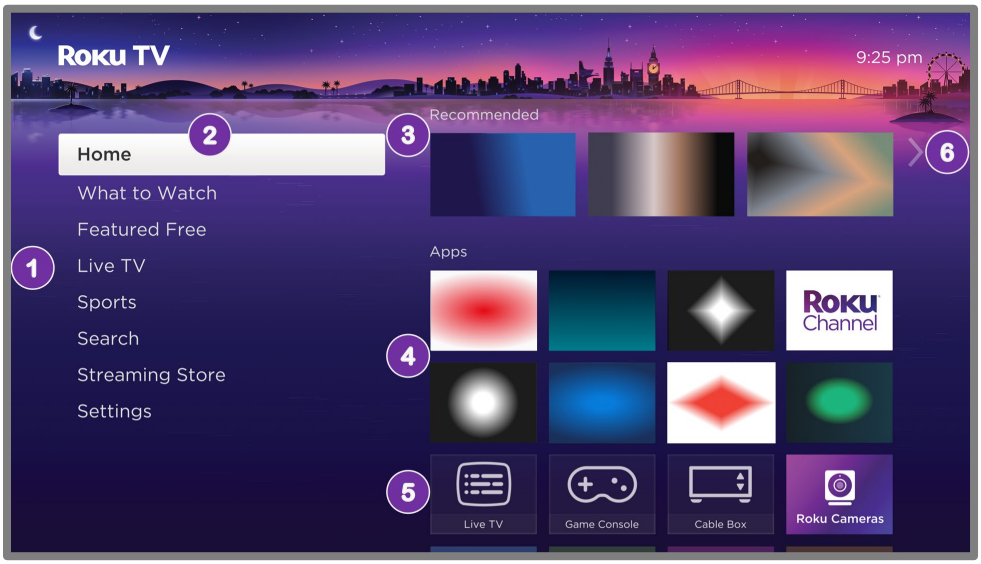
From here, you can explore everything your TV has to offer. Use the purple directional pad to move around, and then press **OK** to select a highlighted item. Press **HOME** ⌂ from whatever you are viewing to return to the Home screen.

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 illustration shows a typical Home screen. The Home screen you see on your TV will vary depending on your location, theme, the number of TV inputs you've enabled, and the streaming channels and apps you've 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 all countries or regions where Roku® products are sold.*



Typical Home screen

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. Actual options vary depending on your Home screen settings and on periodic updates by Roku.
2. Highlighted option – press **OK** to select.
3. Recommended row – highlights programs based on your viewing history.
4. Apps and streaming channels – select a tile to start watching. Add more streaming channels by using the Roku Store.
5. TV inputs – highlight and press **OK** to watch an input.
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:

- Add streaming channels by using the **Streaming Store** menu option to browse the Roku Store.
- Change the screen theme by going to **Settings > Themes** to find and pick one to suit your mood.
- Customize the Home screen. Hide or show the shortcut items and options that appear in the Home Screen Menu.
- Remove an item by highlighting it and pressing **STAR ✱**. Then highlight **Remove input** or **Remove channel** and press **OK**.
- Rearrange inputs and channels by highlighting a tile 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.
- 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."*

- *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.

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 on 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.

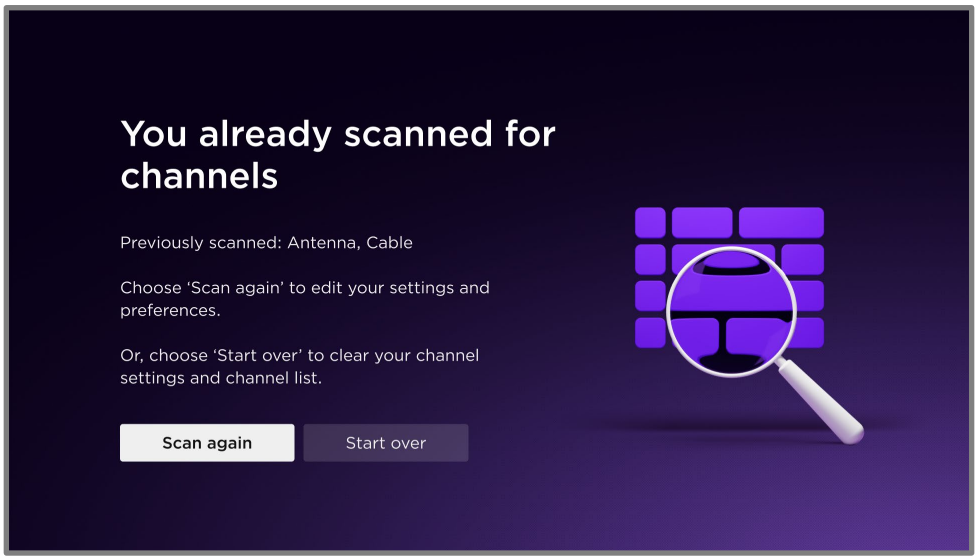
When you set up live TV, the TV scans the signals on its antenna input for channels with a good signal, and adds those to the channel list, skipping dead channels and channels with a very weak signal.

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. If you have already performed a channel

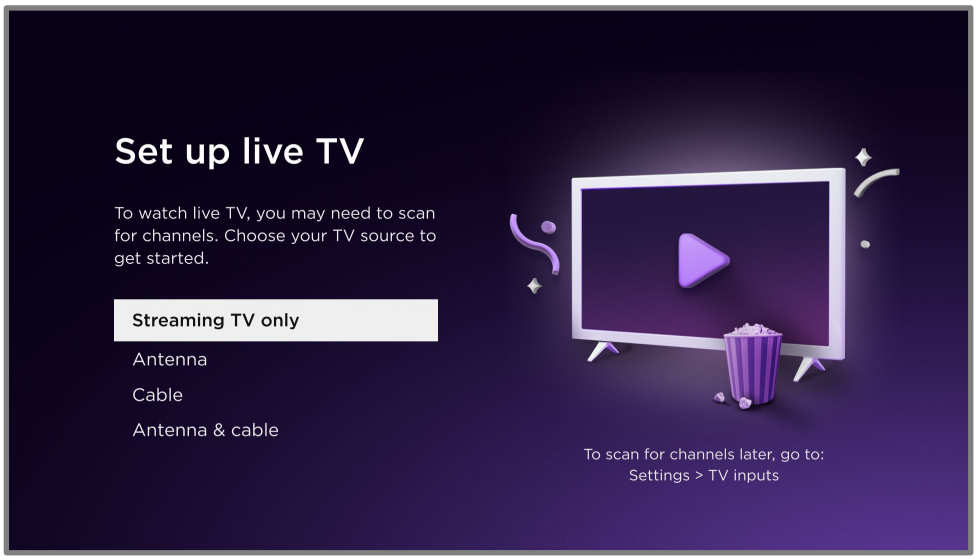
scan, press **STAR ✱** while the Live TV input tile is highlighted, and then select **Scan for channels**.

3. *Only if you have previously completed a channel scan,* the following screen appears:



Choose one of the options:

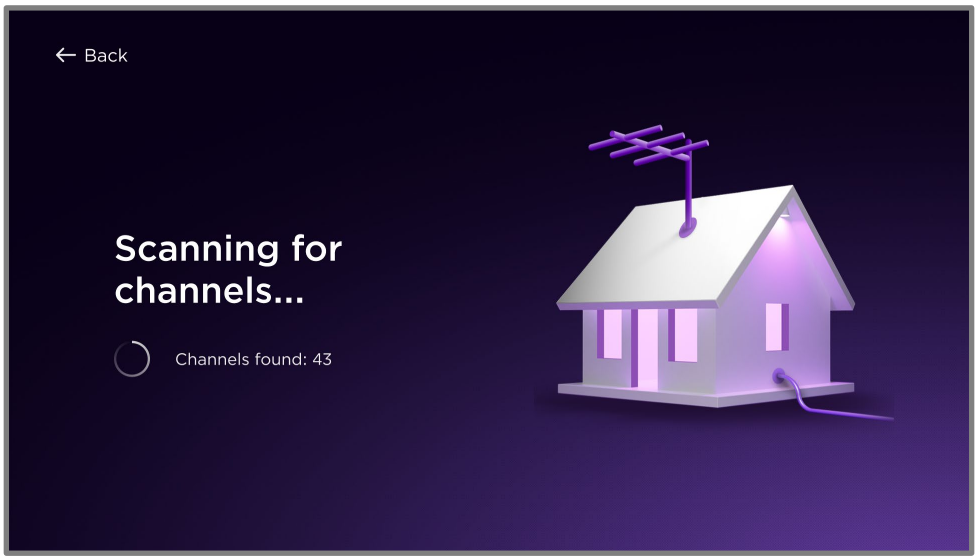
- **Scan again** – Scans for more channels to add to your existing channel list. Preserves your favorites and hidden channels.
- **Start over** – Clears your channels and replaces them with a new channel list.



4. Use the purple directional pad to select the appropriate option, and then press **OK**.

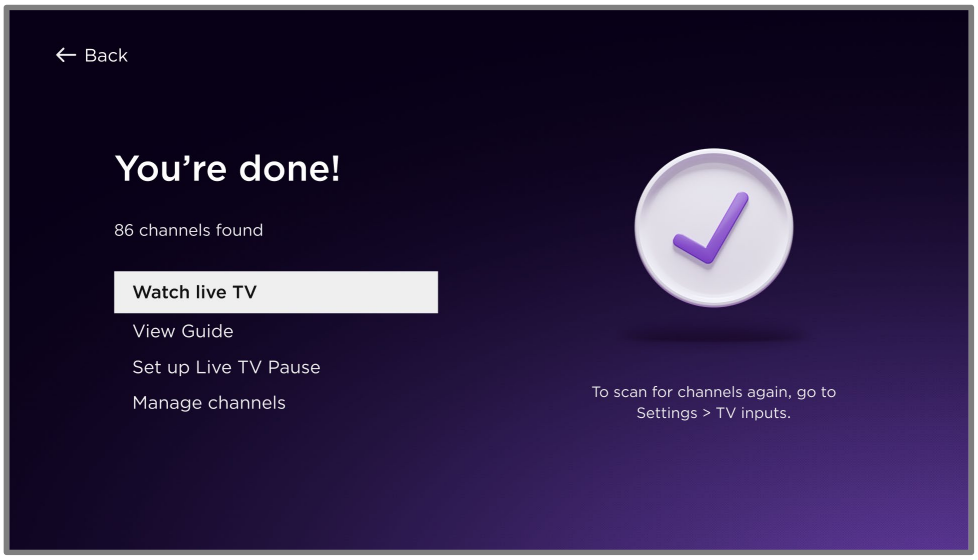
   - **Streaming TV only** – Adds only Roku live streaming channels.
   - **Antenna** – Scans and adds over-the-air antenna channels in addition to adding Roku live streaming channels.
   - **Cable** – Scans and adds channels from your cable TV provider in addition to adding Roku live streaming channels.
   - **Antenna & cable** – Scans and adds both over-the-air and cable channels in addition to adding Roku live streaming channels.

5. Wait while your TV scans for channels.



Scanning for channels can take several minutes.

6. When the channel scans finish, the screen shows the number of channels found.



7. *Only on certain models*, you can set up Live TV Pause. The topic Pausing live TV explains how to set up and use this feature. If you don't want to set up Live TV Pause right now, or if this option is not available to you, select one of the other options.

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* ***Rescan 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 to 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 Live TV Channel Guide, and then press **UP** or **DOWN** to select a channel to watch. Or press **REWIND** ◀◀ or **FAST FWD** ▶▶ to jump through the Live TV Channel Guide a page at a time.
- Press **OK** to display information about the current program.
- Press **STAR** ✱ to see options for picture and sound settings.
- 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/products/accessories.*

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.

In standby mode, as long as the TV has power, the status indicator normally remains lit. If you prefer, you can turn the status indicator off when the TV is in standby mode. To change this setting, from the Home Screen Menu, navigate to **Settings > System > Power**, and then select **Standby LED**. Press **RIGHT** and then select **Off** or **On**, as desired.

Standby mode energy savings

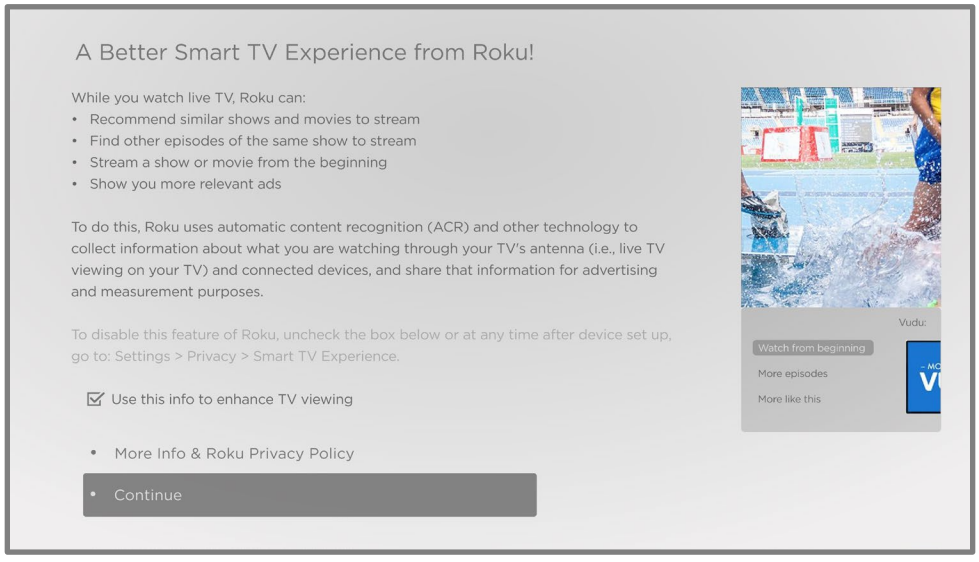
If your TV is configured for maximum power savings, turning off your TV keeps it in a higher power mode for a few minutes, after which it goes into a very low power standby mode. If you turn on the TV again before it has entered the very low power mode, it turns on immediately. After the TV goes into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

Only on certain models: To enable your voice remote to respond to “Hey Roku” when the TV is in standby mode, you must enable Fast TV Start.

Only on certain models: To enable charging or powering a device from a USB port on the back of your TV (for example, to conveniently charge your Roku Voice Remote or power a streaming device), you must configure the appropriate USB power options as explained in Charging your Roku Voice Remote Pro from a TV USB port.

Opting in to Smart TV experience

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



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

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

Opting out of the Smart TV experience

If you decide you want to opt out Smart TV experience after you have opted in, follow these steps:

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

Disabling Auto Notifications

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

1. From the Home Screen Menu, go to **Settings > Privacy > Smart TV experience**.
2. Navigate to the right to highlight **Use info from TV inputs**.
3. Press **DOWN** to highlight **Enable auto notifications**.
4. Press **OK** to clear the check box.

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

Watching live TV channels

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

Using the Live TV Channel Guide

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

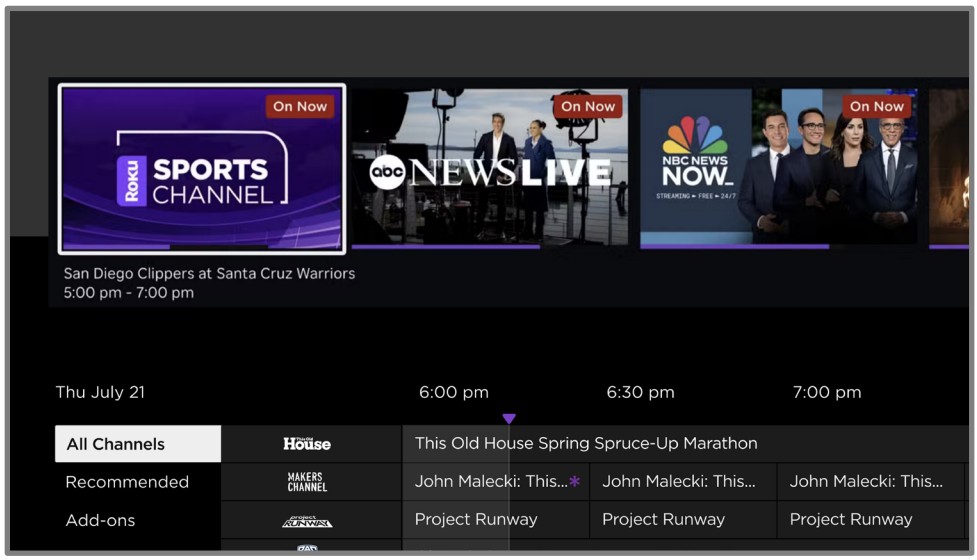
For live, over-the-air TV programs, you can use More Ways to Watch to find the program you're watching and start watching it from the beginning from one of your streaming channels. Your clue that there are More Ways to Watch a program is a purple star (✱) next to the program name in the guide.

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

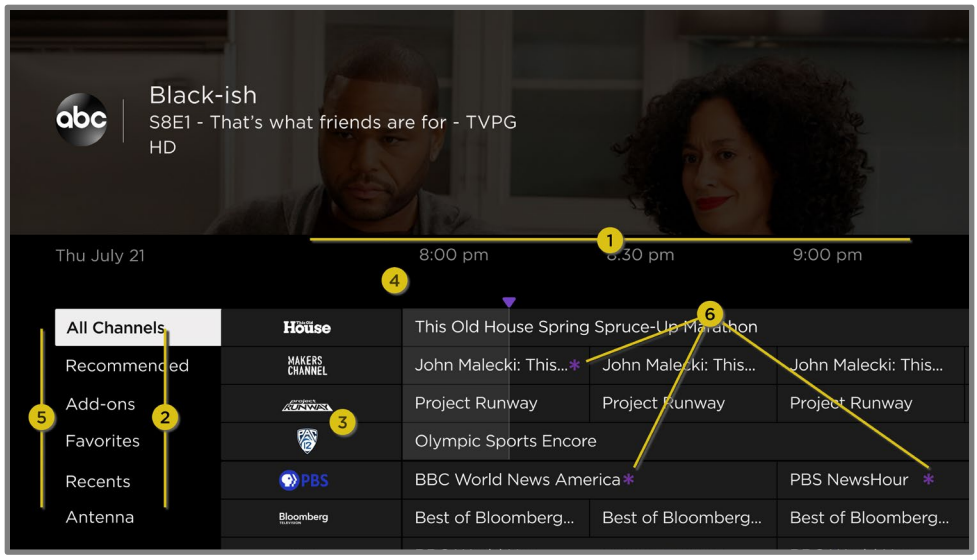
beginning. You also can find more episodes of your program, and other programs that have a similar theme.

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

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



Press **LEFT** or **RIGHT** to navigate through the recommended programs or press **DOWN** to access the Live TV Channel Guide.



1. Time slots. Navigate **LEFT** or **RIGHT**. Press **FAST FWD** ▶▶ or **REWIND** ◀◀ to skip ahead or back a screen at a time.
2. Channel list. Navigate **UP** or **DOWN**. Live TV Categories is currently set to All Channels. When a channel is highlighted, press **FAST FWD** ▶▶ or **REWIND** ◀◀ to skip ahead or back a page at a time.
3. Program list. Shaded area is prior to the current time.
4. Progress bar. Indicates the current time relative to the listed programs.
5. Live TV Categories list, currently set to ALL CHANNELS. Navigate to this list, and then navigate up and down to select a category. See Using Live TV Categories for more information.
6. More Ways to Watch indicator. See More Ways to Watch for more information.

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

Note: *By default, the channel list is sorted as recommended by Roku according to your viewing habits, and channel numbers for streaming channels are hidden. If you prefer, you can sort the list by channel number, in which case channel numbers for all channels are shown. For details, see Changing channel options.*

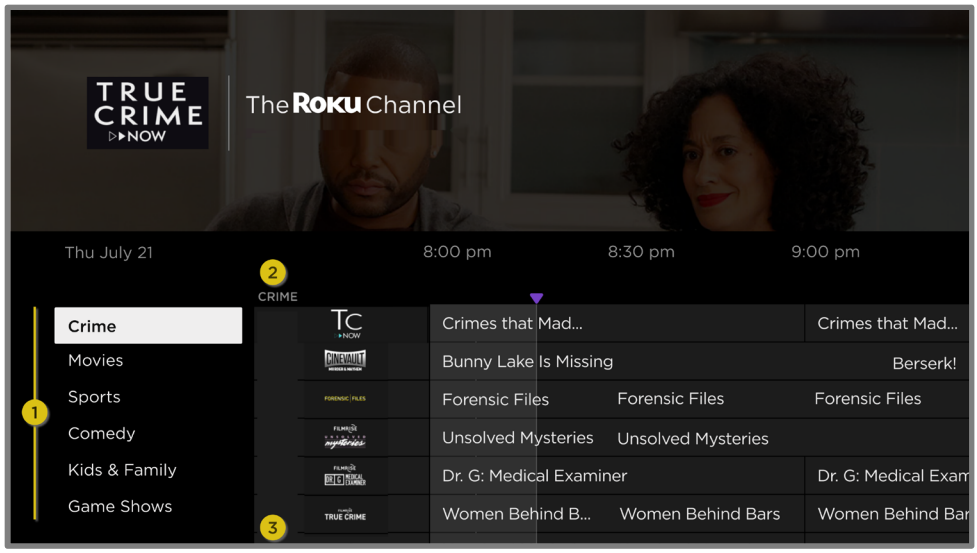
Navigating the Live TV Channel Guide

- Use the purple directional pad to move up, down, left, and right.
- To switch to a program that is currently in progress, highlight it, and then press **OK**. (Note that pressing **OK** on a past or future program does nothing.)
- To return to the current time after navigating to a different time slot, press **REPLAY** ↶.
- To return to the currently-airing program without causing a channel change, press **BACK** ←.
- To see More Ways to Watch, highlight any program that has a purple asterisk (✱), and then press **STAR** ✱. While using the Live TV Channel Guide, navigate all left to highlight a channel number, and then press **STAR** ✱ to open the **Channel options** dialog.

Using Live TV Categories

The list of channels you receive can become quite long, especially when it includes both broadcast and live streaming channels. Use Live TV Categories to show only the channels that interest you at the moment.

With the Live TV Channel Guide open, navigate left past the channel list to expand Live TV Categories. From the list of categories, navigate up or down to select **All Channels**, **Recents**, **Antenna**, and **Favorites**. If you have not hidden live streaming .channels, the list of categories also includes a list of curated channels, such as **Recommended**, **Add-ons**, **TV Shows**, **Entertainment**, **News**, **Sports**, and many more.



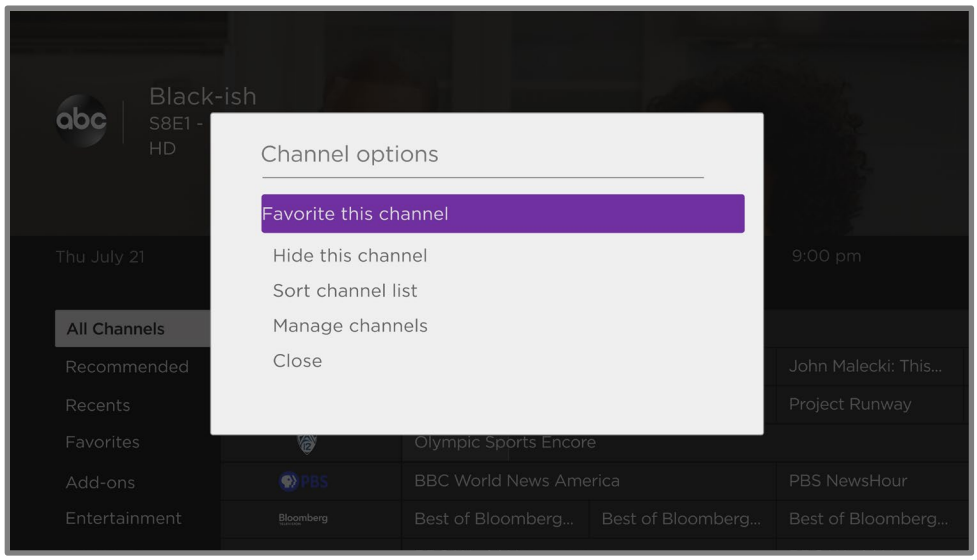
1. Live TV Category list. Navigate up or down to highlight a category.
2. Selected category appears at the top of the channel list.
3. Other categories remain available if you navigate beyond the channels in the selected category.

With a category highlighted, navigate right into the channel list. The guide shows channels belonging to the selected category. Note that you can also see channels in other categories by navigating up or down without changing your category selection.

The category you select is temporary—the next time you view the Live TV Channel Guide, it again shows **All Channels**.

Changing channel options

While using the Live TV Channel Guide, navigate left to the channel number column, and then press **STAR ✱** to open **Channel options**.



- **Favorite/Unfavorite this channel** – Select this option to make the selected channel a favorite. Select again to remove the channel from your favorites.
- **Hide/Unhide this channel** – Select this option to hide the current channel. Select again before moving on to unhide the channel if you hid it by mistake. But note that after you close the dialog, you cannot access the channel to unhide it. Instead, use the **Manage channels** option to unhide hidden channels.
- **Sort channel list** – Select this option to choose your preferred channel sorting.
    - Choose **As recommended by Roku** to sort channels automatically according to your viewing habits. Choosing this option hides streaming channel numbers.
    - Choose **By channel number** to sort channels by channel number. Choosing this option shows channel numbers for all channels.
- **Manage channels** – Opens the **Manage Channels** menu where you can edit the channel lineup and mark certain channels as favorites. See Manage channels.

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.



Program information banner

This banner provides details about the program you are watching. These details vary depending on the information available and the source of the show (over-the-air or live streaming)

Tip: *If you've enabled 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 on certain 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 a Roku account. If you didn't connect during Guided Setup, see Connecting your TV.

2. Provide your own 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** ⏯ 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.

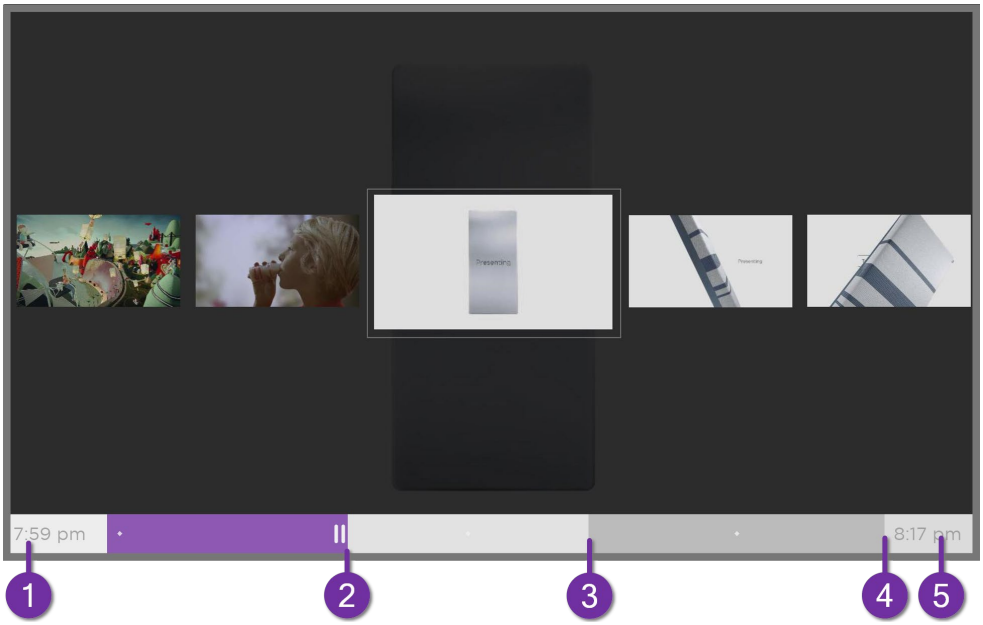
Note: *Use of a USB hub is not supported.*

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** ⏯ 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.

More Ways to Watch

More Ways to Watch gives you recommendations about the programs you're watching on the **ANT**, **HDMI**, and **AV** inputs. You will automatically get these recommendations in the Live TV Channel Guide for live TV programs. However, before you can get recommendations for programs you're watching through the **HDMI** or **AV** inputs, you must opt in to the Smart TV experience to acknowledge that you want to allow the TV to use automatic content recognition (ACR). See Opting in to Smart TV experience for details.

Using More Ways to Watch

Not every program provides recommendations. As you use More Ways to Watch, be aware that you'll only see suggestions on your TV when all of the following conditions are met:

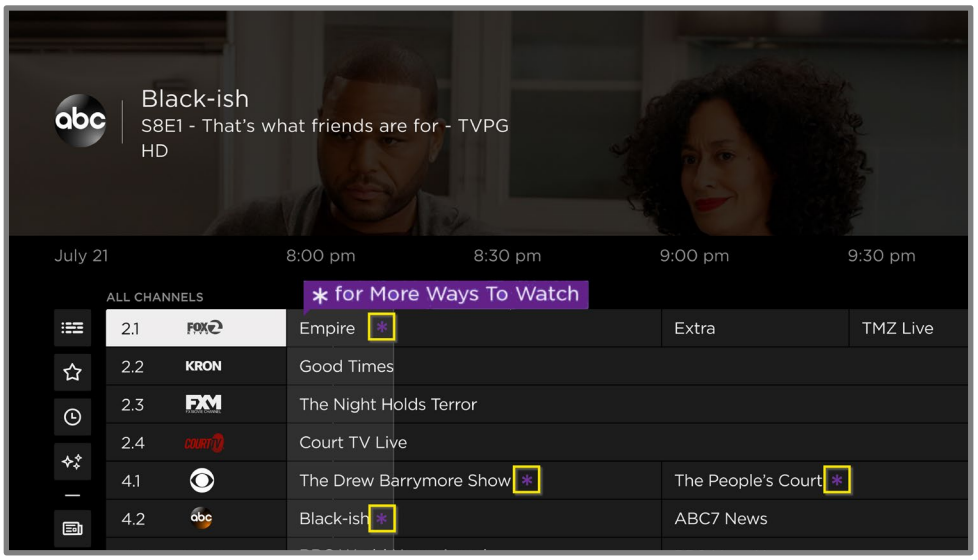
- Your TV is in the United States.
- You have enabled **Smart TV experience** if you are watching programs through an **HDMI** or **AV** input. (If you are watching live TV from the **ANT** input, this setting does not matter.)
- The program you're watching contains the information needed to identify it. Note that some programs, such as the daily news, typically do not activate More Ways to Watch.
- At least one participating streaming channel offers the movie or TV program you are watching, or other episodes, or more programs like the one you are watching.

If all of these conditions are met, you can view the suggestions. More Ways to Watch recommendations appear in two different places:

- When watching the **HDMI** and **AV** inputs, you'll see a **More Ways to Watch** notification in the lower right corner of the screen for a few seconds unless you have disabled **Enable auto notifications**. Press **STAR ✱** to see the list of matching programs.

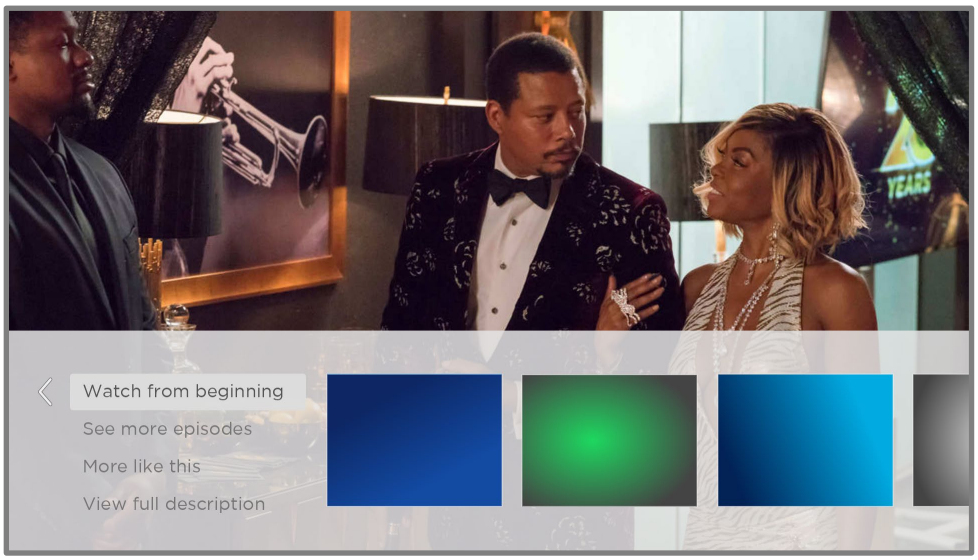
  Note: *After this banner disappears, you can restore the **More Ways to Watch** prompt by pressing **OK**.*

- In the Live TV Channel Guide, all programs that meet the criteria for More Ways to Watch display a purple asterisk ✱ next to their titles:



Highlight the program of interest and press **STAR ✱** to see recommendations.

Regardless of how you got to this point, the options you'll see depend on the type of program you're watching and the available ways there are to watch, so you might see any or all of the following:



- **Watch from beginning** – Streaming channels on which the same TV program or movie is available. Often, this option does not appear on first

run programs, because streaming content typically is not available until sometime after the program is first broadcast.

- **See more episodes** – Streaming channels where you can find other episodes of the TV program you are watching. Does not apply to movies.
- **More like this** –TV programs or movies with a similar theme.
- **View full description** – Full description of the selected program.

Press **DOWN** to select an option, and then press **RIGHT** to select the streaming channel you want to watch.

Assuming you've already added the channel and completed any required sign-in, More Ways to Watch takes you directly to the program in the streaming channel where you can select and watch the program. Otherwise, it prompts you to add the channel and, if you do, then takes you to the program.

Getting the most from More Ways to Watch

- Streaming channels you've already installed appear first in the list of suggestions.
- When you select a streaming channel, you leave the program you are currently watching.
- If you've used the Live TV Pause feature to pause the program, your paused program buffer is deleted. In other words, you cannot return to a live TV channel and resume watching from where you left off.

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

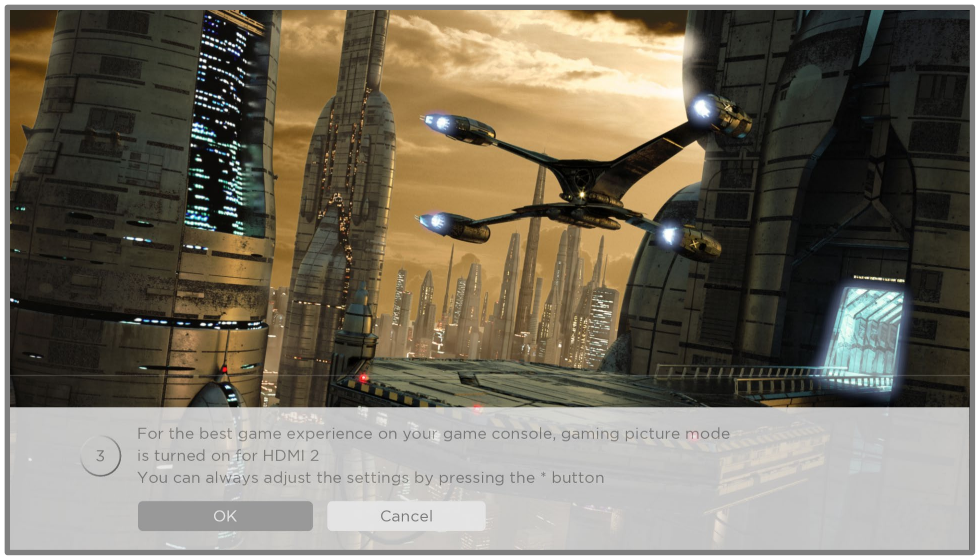
Your TV automatically detects some game consoles and configures the key features it supports to optimize TV performance while playing video games. When you connect a supported and powered-on game console through an HDMI® input, the TV automatically changes the input icon to the game console's icon[1].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

- Automatic low-latency mode (ALLM)
- Variable refresh rate (VRR)
- Quick Frame Transport (QFT)
- HDR gaming
- High frame rate
- Game mode
- THX Certified game mode

Tip: *Various combinations of these features are available only on certain models and in some cases, only on certain HDMI inputs as denoted by a gaming icon on the input label. If present, you can disable certain of these features by navigating to* ***Settings > TV inputs*** *and then selecting the corresponding 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.

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 game 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.”
- Jump to a specific channel. Say “Go to 7 point 3” to open Live TV on channel 7.3. Or say, “ABC News” (or another program name that has multiple options). Because there are multiple sources of the program, 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.[2]

1 Roku Voice supports English, French, Spanish, Portuguese, and German languages when the corresponding TV language is selected.
2 Direct-to-playback commands spoken in English or Spanish work with supported 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.

- Search for movies based on popular quotes. For example, say “What movie is this from – ‘Here’s looking at you, kid’.”
- 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 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.”

Using Roku Voice for settings

Voice for settings enables you to use a voice command to jump directly to a setting, rather than navigating through the Settings menus. Use Roku Voice to quickly access settings for screensavers, wallpapers, system updates, guest mode, screen mirroring, system language, and more, making your TV experience faster and easier.

Say commands like, “Add new device,” What’s my Wi-Fi,” “Payment method,” and “Restart my TV,” to name just a few.

Note: *When using this feature, your command takes you directly to the requested setting, but does not make any changes to the setting. For example, once you are on the System Restart command, you must use your remote to select* ***Restart****.*

Using Apple Home with Roku TV

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. For details about what Apple HomeKit controls are available with your TV, see the Roku support article, How to use AirPlay and HomeKit with your Roku streaming device.

Using Google Home with Roku TV

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

1 Apple AirPlay 2 and HomeKit are supported by all Roku TVs except for hardware IDs beginning with “6” (6*XXXX*) and “5” (5*XXXX*).

information on linking and controlling your TV with Roku Action on Google, see the Roku support article, How to use Google to control your Roku streaming device.

Using Amazon Alexa with Roku TV

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 the Roku support article, How to use Amazon Alexa to control your Roku streaming device.

Using Roku Voice Remotes

The following topics explain how to get the most out of your TV when you have compatible Roku Voice Remote. See the Roku Accessories page for more information.

Connecting headphones to a Voice Remote Pro

If you have a first edition Voice Remote Pro, you can connect headphones to the jack on the left side of the remote. (Second edition Voice Remote Pro models do not have a headphone jack.)

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. You might notice that connecting headphones to your remote shortens the remote's battery life somewhat.*

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.*

Re-pairing your Roku Voice Remote

Roku Voice remotes 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. Depending on your remote model, either:
    - Press and hold down the pairing button for 3 seconds or longer, until the adjacent LED flashes.
    - Hold down **HOME** and **BACK** at the same time for 5 seconds, until the adjacent LED flashes
2. 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 or charging the remote, as applicable. 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.*

Charging your Roku Voice Remote Pro from a TV USB port

Only on certain TV models, you can charge your Roku Voice Remote Pro or power other USB devices from a USB port on the back of the TV.

Note: *Because the USB ports are located on the back of the TV, you might want to connect a USB cable (not included) so that you can connect to the USB port after wall mounting the TV.*

To use a USB port for charging or powering a streaming device, you must first do one of the following:

- Enable Fast TV Start

or

- Configure the appropriate USB power settings in **Settings > System > USB Settings > Power options** as follows:
    - **On with TV** – Charges only while the TV is on.
    - **Delayed power-off** – Charges while the TV is on and for four hours after turning it off. This setting provides ample time to fully charge a Voice Remote Pro.
    - **Always on** – Provides power at all times, so that USB-powered streaming devices are always ready to watch. Note that this is the only setting available when **Fast TV Start** is enabled.

Finding your Roku 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 – if you have a Roku Voice Remote Pro. This feature has a limited range, and is designed to find your remote somewhere in the same room as the TV.

There are multiple ways to activate the lost remote finder:

- **Activate lost remote finder with hands-free voice command**

    Only if you have a Voice Remote Pro, say "Hey Roku, where's my remote?"

Note that this command only works if you have hands-free voice turned on.

- **Activate lost remote finder from the Settings menu**

  Only if you have another working remote, navigate to **Settings > Remotes & devices > Remotes**. Then highlight your remote in the list, and select **Find remote**.

- **Activate lost remote finder with the Roku mobile app**

  After you install the free Roku mobile app, you can open it and trigger the lost remote finder in either of the following ways:

  - On your **phone**: Select the **Devices** icon from the navigation bar and make sure you are connected to your Roku TV. Next, tap the three dots to the right of your TV name and select **Ping Remote**.

  - On your **Roku** device: Select the Remote icon from the navigation bar in the Roku mobile app. Using the mobile app as your remote, navigate to **Settings > Remotes & devices > Remotes**. Then highlight your remote in the list, and select **Find remote**.

- **Activate lost remote finder with panel buttons**

  Note: *The panel button(s) on some models might be difficult to find. If the location is not obvious, check the bottom center of the TV behind the status indicator LED, or the back panel of the TV near the lower right or left side.*

  - On TVs that have a single button control, short press the button to open the **Inputs** menu, and then short press it again to select **Find Remote**. In a few moments, the TV accepts your selection and triggers the lost remote finder.

  - On TVs that have a dedicated, remote-shaped button located on the side of the TV, press the button to trigger the lost remote finder.

  - On TVs that have a three-button control, short press the middle button to open the **Inputs** menu, and then short press it again to select **Find Remote** to trigger the lost remote finder.

- On TVs that have 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**. In a few moments, the TV accepts your selection and triggers the lost remote finder.
- On TVs that have a column of labeled panel buttons, press the **INPUT** button to open the **Inputs** menu, and then press the **INPUT** button again until you highlight **Find Remote**.



Inputs menu

A moment or two after highlighting **Find Remote**, the remote starts playing your selected remote finder 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

If you have a Roku 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

Use Roku Media Player to play personal music, videos, 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 Roku Media Player. To see the latest list of supported formats, view **Help** in the Media Player[1]. Roku Media Player displays only supported file types, and hides file types it knows it cannot play.

Note: *If you do not see Roku Media Player on your Home screen, it might have been uninstalled. You can reinstall it from the Roku Store.*

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

Auto player launch

You can set your TV to automatically open 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 settings**. Choose from the following options:

- **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 Roku Media Player as well as to change future auto-play behavior.
    - **On** – Always launch Roku Media Player whenever you connect a recognized USB drive.
    - **Off** – Never launch Roku Media Player automatically.
- **Launch channel** – Select the app you want to use to play back media files.

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.

Playing content from local network media servers

Roku Media Player 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. 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 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. Follow the prompts to update your payment method by selecting one of the listed options.

   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.

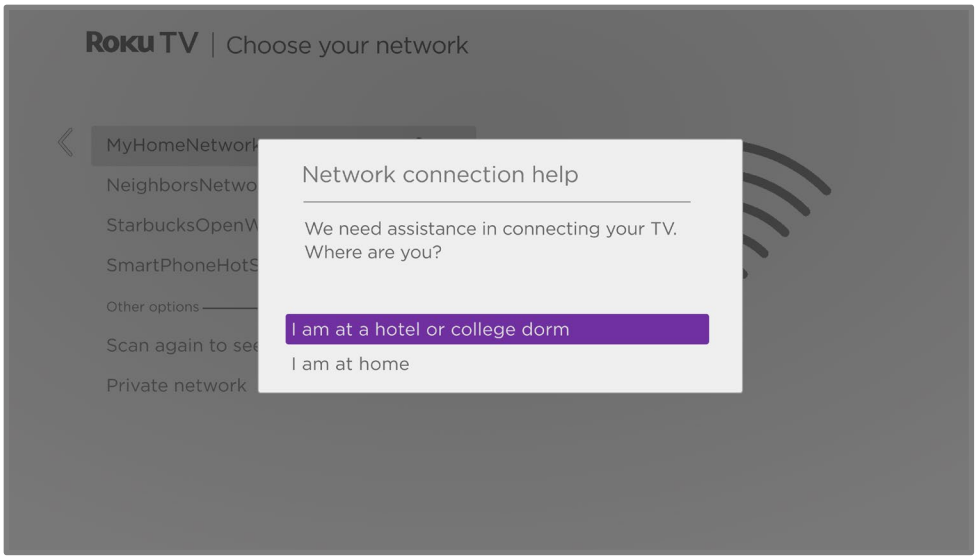
About using your TV on a restricted public network

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.

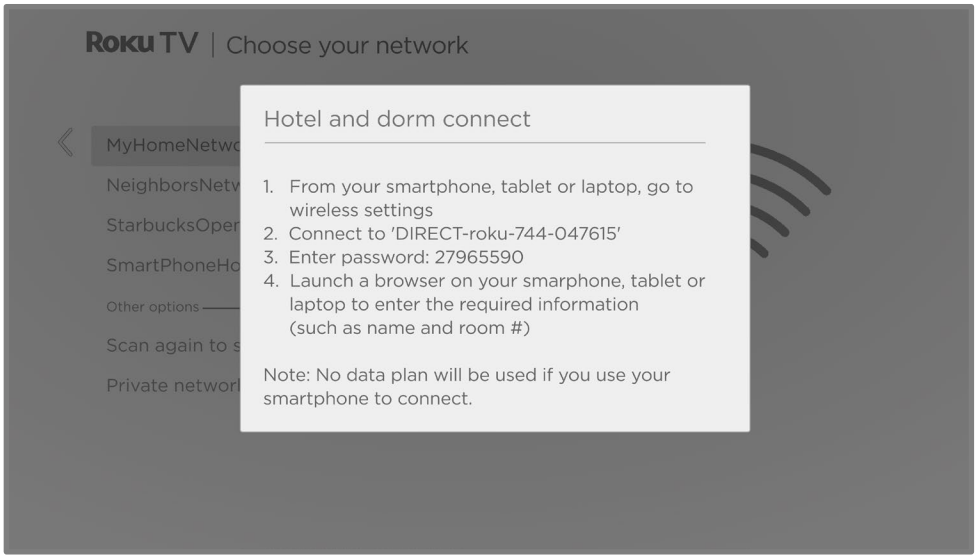
Connecting your Roku TV on a restricted public network

1. When setting up a network connection (either during Guided Setup or using **Settings > Network > Set up 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.*

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.

   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.

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.

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/home-app/.

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.

  Notes: *Some models have an ambient light sensor that automatically adjusts the brightness of the picture to provide a consistent viewing experience as the lighting in your room changes. Your TV has an ambient light sensor if the **TV brightness** screen has an **Auto** option, which is selected by default. To disable the ambient light sensor, select one of the other **TV brightness** options.*

  *The settings on the **TV brightness** screen are identical to the **TV brightness** settings in the **TV settings** menu that you can access by pressing **STAR ✱** while watching a program.*

- **HDR/Dolby Vision notification** – *Only on certain 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.*

- **Game mode notification** – *Only on certain models connected to compatible game consoles,* your TV automatically switches to game mode. This setting determines how often the TV shows a notification that game mode has been activated.
  - **Always** – Show a notification every time the TV switches game mode on.

  - **Once per session** – Show a notification only the first time the TV switches game mode on during a TV viewing session.

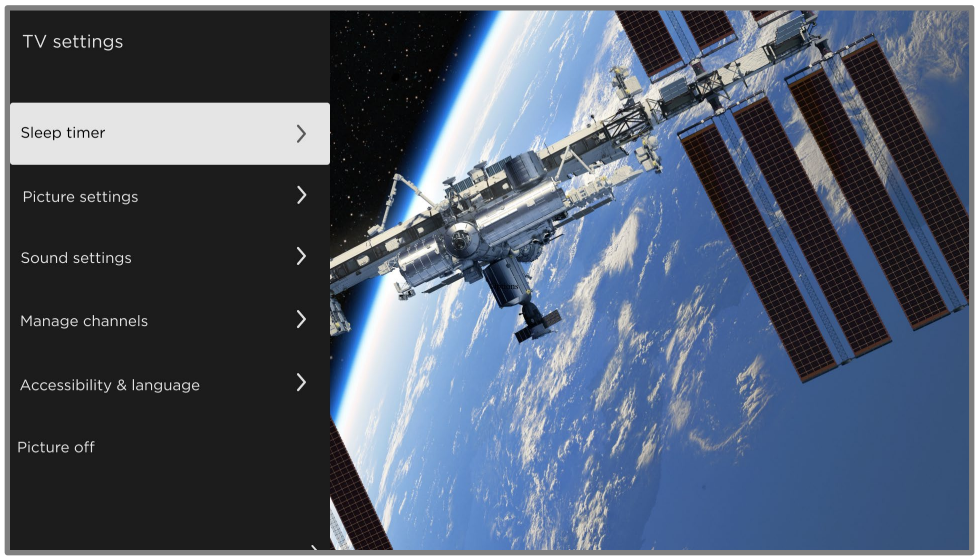
  - **Off** – Do not show game mode notifications.

- **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
- Manage channels
- Accessibility & language
- 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. To access picture settings, press **STAR ✱** to display the **TV settings** menu, then select **Picture settings**. The options you see vary depending on the program source.



Picture settings menu

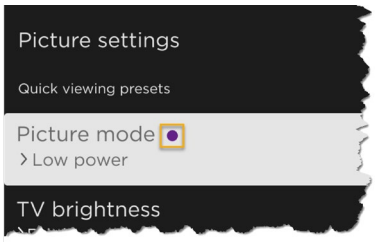
- **TV brightness** – Overall brightness of the picture. *This setting applies to all TV inputs and is identical to the **TV brightness** setting under **Settings > TV picture settings**.*

- **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. However, we recommend that you let the TV decide based on the content you are watching by selecting **Roku Smart Picture**.

  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, for*

*example, 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.*

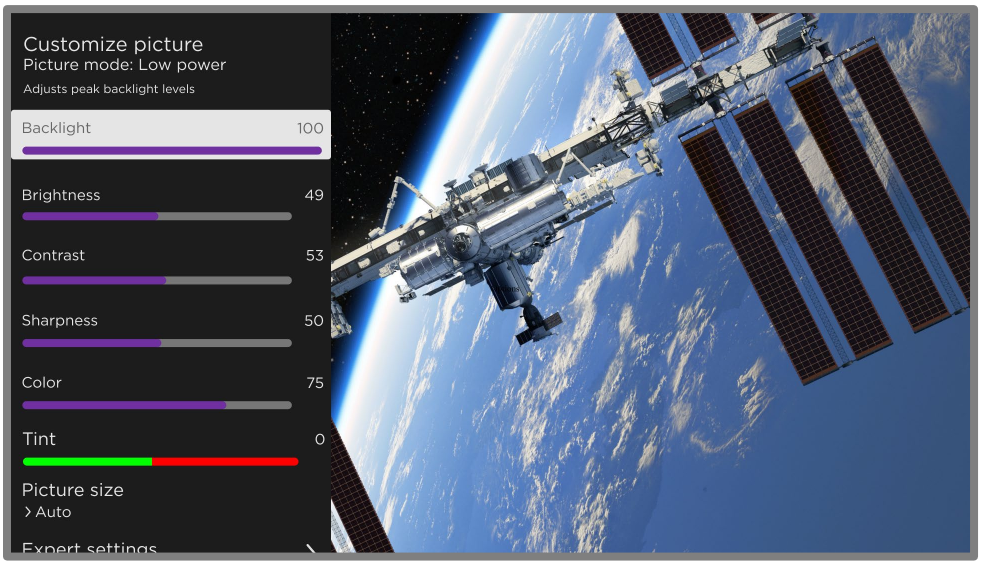
Note: *If you change the settings of a **Picture mode**, a small purple dot appears to the right of **Picture mode**.*



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

- **Customize picture** – Opens the **Customize picture** menu, where you can adjust various aspects of the picture quality.

Customize picture menu options



Customize picture menu

- **Backlight** - 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.
- **Color** – Adjusts the saturation of colors in the picture. A setting of 0 removes all color and displays a black and white picture.
- **Tint** – Adjusts the color balance from green to red to obtain accurate colors in the picture.
- **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.
- **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 certain 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.
- **Expert settings** – Opens the **Expert settings** menu where you can adjust fine details of picture quality.
- **Reset '*mode name*' 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 you have made in the current **Picture mode** to all TV inputs.

Expert settings menu options



Expert settings menu, typical

Notes: *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.*

- **Dynamic contrast** – *Only on certain models:* Automatically adjusts the backlight level to achieve the optimum contrast and prevent excessive differences between light and dark areas of the screen.
- **Local dimming** – *Only on certain models:* Sets the amount of dimming applied to multiple areas of the screen's backlight intensity. This setting can make dark areas darker without affecting the brightness of light areas.
- **Micro contrast** – *Only on certain models:* Improves image contrast.
- **Action Smoothing** – *Only on certain models. Your model might use 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 certain models. Your model might use 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 certain 120Hz models. Your model might use a different name for this option.* Reduces blur in fast-moving images such as sports.

- **LED Motion Clarity** – *Only on certain models that also have the local dimming feature. Your model might use 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.

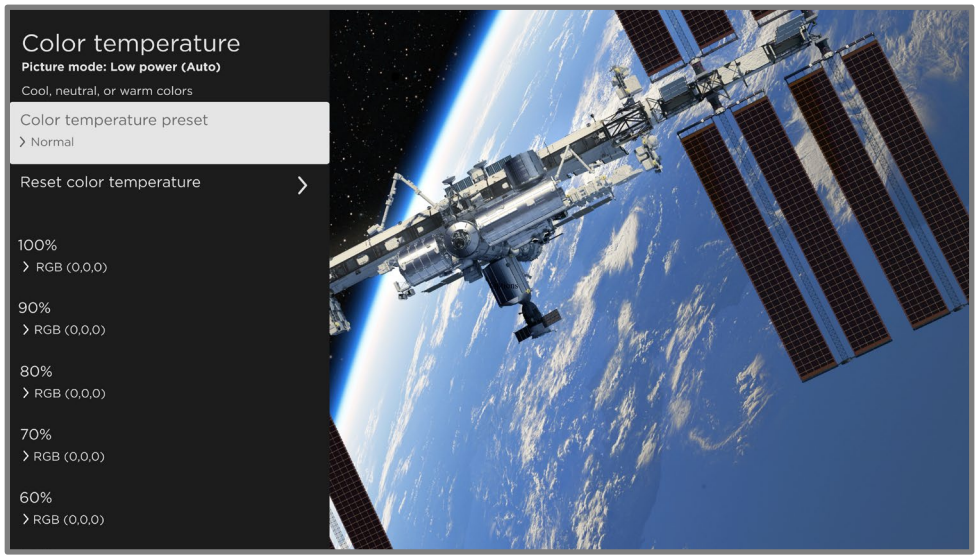
- **Gamma correction** – Adjusts how smoothly the picture transitions from black to white, thereby adjusting the contrast of shadows and midtones. Choose from among the listed values to achieve the desired picture quality.

- **Noise reduction** – Adjusts the amount of video noise that the TV filters out of the picture. Choose the setting that produces the best picture according to the type of program you are watching—typically **Off** for high quality programs and one of the other settings for older, low-definition programs. Using noise reduction in a program that doesn't need it can result in a lower quality viewing experience.

- **Color temperature** – Opens the **Color temperature** menu where you can adjust the overall color tones in the picture or perform a custom 11-point white balance.

- **Color space** – Opens the **Color space** menu where you can perform an advanced color space calibration.

Color temperature menu options



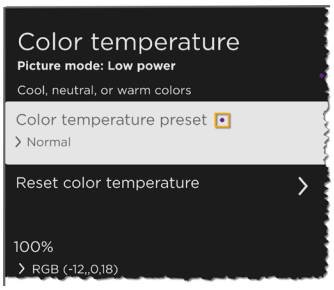
Color temperature menu

- **Color temperature preset** – Adjusts the overall color tones in the picture from **Normal** to slightly more bluish (**Cool**) to slightly more reddish (**Warm**). If you are watching Dolby Vision content, the option shows **Dolby Vision** and cannot be changed.

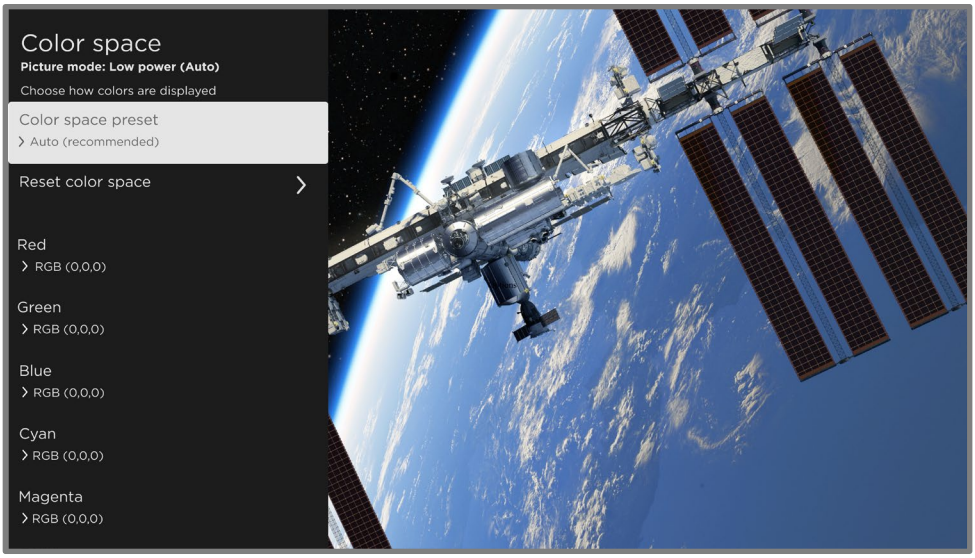
- **Reset color temperature** – Resets any custom white balance settings you have made to the current **Color temperature preset**. This setting is not available if you are watching Dolby Vision content.

- **11-point white balance settings** – Lists 11 white balance points from **5%** to **100%**. For each white balance point, you can specify custom red, green, and blue intensities to achieve perfect gray tones at each brightness level for the currently-selected **Color temperature preset**. Correctly adjusting these settings requires the use of special equipment, and so we do not recommend that you adjust these settings without proper equipment. These values cannot be adjusted if you are watching Dolby Vision content.

Note: Changing the 11-point white balance settings affects the currently-selected **Color temperature preset** only. The change to the preset is indicated by a small purple dot to the right the menu option, as shown in the following illustration:



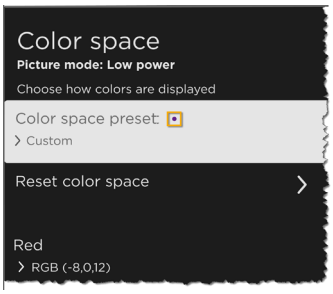
Color space menu options



Color space menu

- **Color space preset** – Adjusts the color space to **Auto (recommended), Native**, or **Custom**. Choose **Custom** if you want to manually change the individual color space values.
- **Reset color space** – Resets any custom color space settings you have made.
- **Individual color space settings** – Lists six color values. These settings are not available unless you set **Color space preset** to **Custom**. For each color value, you can specify custom red, green, and blue intensities to achieve perfect color tones. Correctly adjusting these settings requires the use of special equipment, and so we do not recommend that you adjust these settings by without special equipment.

Note: Changing the factory-preset color space settings affects only the **Custom Color space preset** option. The change to these settings is indicated by a small purple dot to the right the menu option, as shown in the following illustration:



Variable refresh rate (VRR)

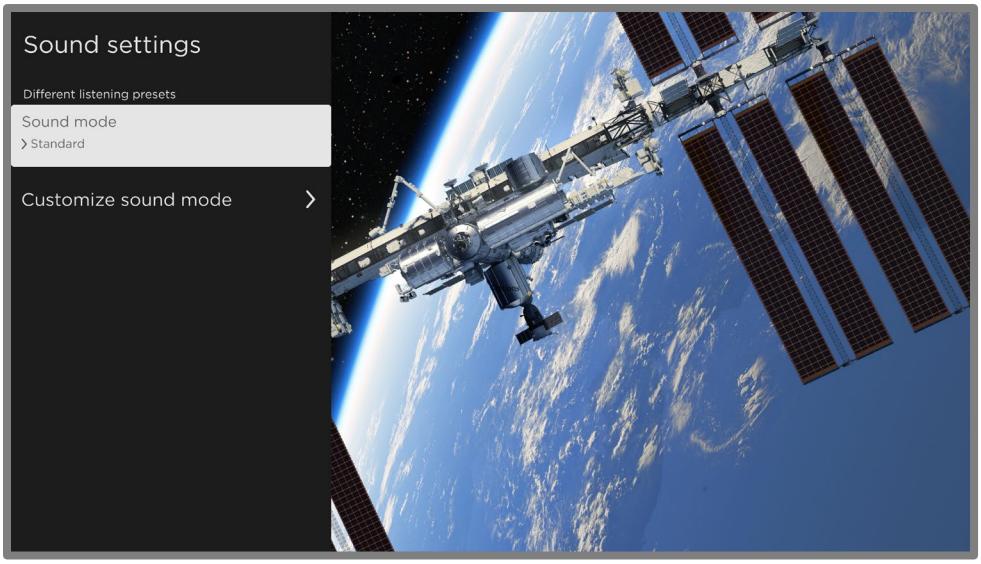
Only on certain models: Variable refresh rate (VRR) allows a compatible game console or computer connected via HDMI to control the refresh rate of the TV. This feature helps to ensure that the TV does not begin to display a video frame until the video source has completely rendered it. The result is 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.

Sound settings

The **Sound settings** menu adjusts the sound qualities of the TV. To access sound settings, press **STAR ✱** to display the **TV settings** menu, then select **Sound settings**.

Note: *Most sound settings do not affect the sound that you hear from a connected receiver or headphones. Also, the* ***Sound settings*** *option is unavailable when you are using the private listening feature through the Roku mobile app or (*on certain models*) through a Roku Voice Remote or Bluetooth headphones.*



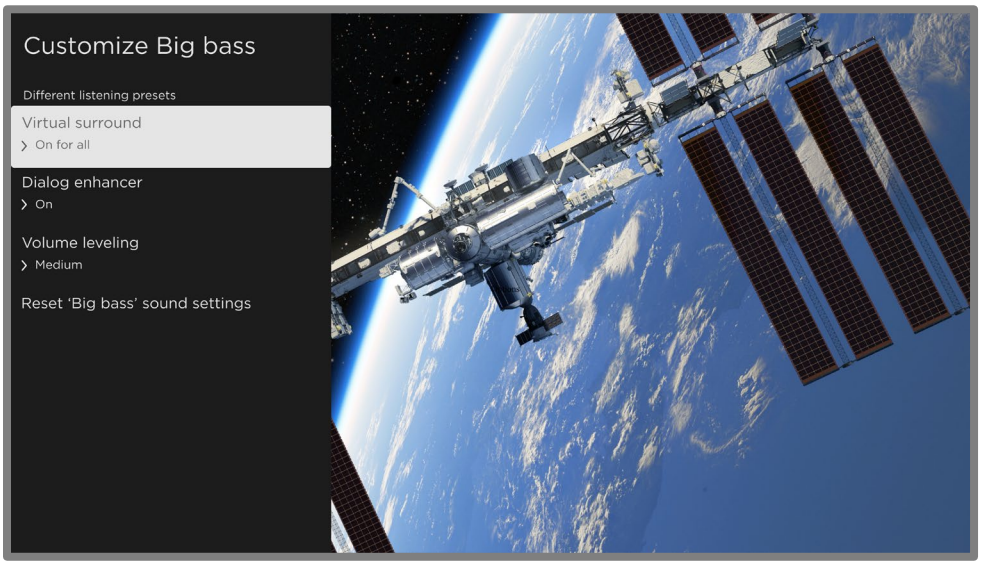
Sound settings menu

- **Sound mode** – Preset sound modes to make programs sound their best. If you would rather let the TV decide how to set the sound based on the program content, select **Auto (recommended)**.
- **Customize sound mode** – Opens the **Customize *mode name*** menu, where you can adjust various aspects of the sound according to the features available on your TV model.

Customize *Mode name* menu options

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

- Dolby® Audio Processing
- DTS® TruSurround / DTS® Studio Sound
- Sonic Emotion™ Premium
- Volume mode
- Roku premium audio products



Typical **Customize *Mode name*** menu

Dolby® Audio Processing (certain models only)

- **Virtual surround** (*Only on certain 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 certain models:* Enhances dialog in content that supports the AC-4 audio format.

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

Note: *Dolby Atmos® decoding is available only when using the built-in TV speakers. Is not available when using external speakers.*

DTS® TruSurround / DTS® Studio Sound (certain models only)

- **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 certain models:* Enhances dialog in content that supports the AC-4 audio format.
- **Reset '*Sound mode*' sound settings** – Returns **DTS TruSurround, Dialog Clarity,** and **TruVolume** settings, to their default settings for the selected **Sound mode**.

Sonic Emotion™ Premium (certain models only)

- **Sonic Emotion Premium** – Displays a menu with individual Sonic Emotion™ audio settings:
    - **Dialog Enhancement** – Enhances your ability to hear and understand dialog in the program.
    - **Bass Enhancement** – Enhances the low frequency sound component in the program.
    - **Absolute 3D Sound** – Simulates surround sound.
- **Dolby AC-4 Dialog Enhancement** – *Only on certain models:* Enhances dialog in content that supports the AC-4 audio format.

- **Reset '*Sound mode*' sound settings** – Returns **Sonic emotion** settings to their default settings for the selected **Sound mode**.

Volume mode (certain models only)

- **Off** – Content volume is unmodified.
- **Leveling** – 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 certain models:* Enhances dialog in content that supports the AC-4 audio format.

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). For more information, see Roku TV soundbars and wireless speakers.

Although the sound settings vary depending on the connected product and its current feature set, following are examples of typical settings that you can control directly from your TV:

- **Volume mode** – Modes for normal listening, volume leveling, 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 supported surround configuration*, play stereo sound from all speakers.
- **Bass** – Adjusts the level of low frequency sounds.
- **Treble** – Adjusts the level of high frequency sounds.
- **Surround level** – *Only if you have Roku wireless speakers in a supported 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 certain 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**.

Manage channels

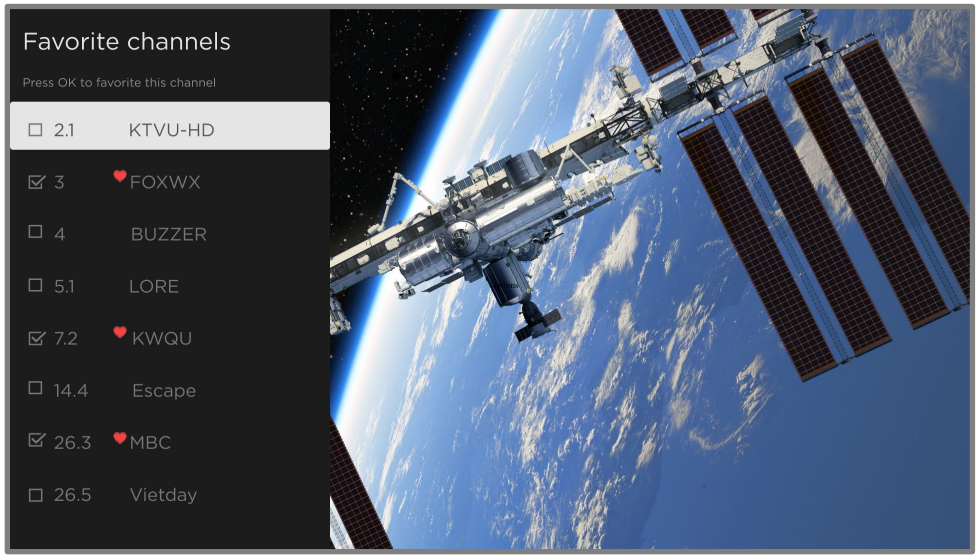
Designate favorite channels and edit your channel lineup in the **Manage Channels** menu. You can navigate to the **Manage Channels** menu in several ways:

- From the Home Screen Menu, navigate to **Settings > TV inputs > Live TV > Manage channels**, and then select **Manage all channels** and press **OK**.
- While watching a live TV program, press **STAR ✱** to display the **TV settings** menu, and then navigate to **Manage channels** and press **OK**.
- While using the Live TV Channel Guide, navigate left to the channel column, and then press **STAR ✱**. In the **Channel options** dialog, highlight **Manage channels** and press **OK**.
- While using the Live TV Channel Guide, navigate left *past* the channel column to the Live TV Categories column. Scroll up or down to **Favorites**, press **RIGHT** to highlight **Select to add favorite channels**, and then press **OK**.

In the **Manage Channels** menu, select **Favorite channels** or **Edit channel lineup**.

Favorite channels

Use the **Favorite channels** menu to designate any number of channels as your favorites.



Press **UP** or **DOWN** to highlight a channel, and then press **OK** to select or clear its check box. A **FAVORITE** ❤️ symbol appears next to each channel you designate as a favorite.

Tip: *Pause for a few seconds for the TV to tune to the highlighted channel. You then can view and hear the channel to decide whether you want to make it a favorite.*

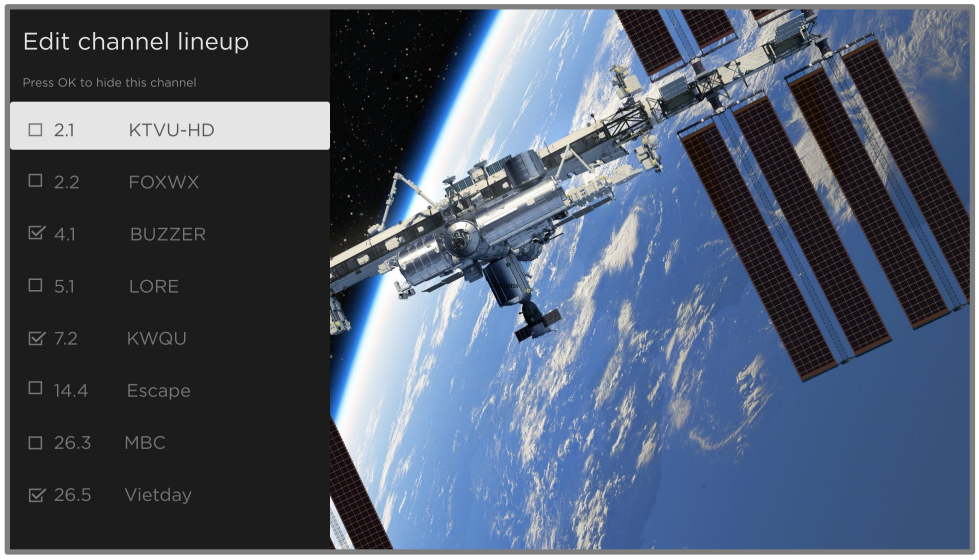
Note: *If you've enabled parental controls and the program on the current channel is blocked, you won't see a picture or hear sound while using the* ***Favorite channels*** *menu.*

To switch between surfing all channels and favorite channels, select Favorites in the filter column of the Live TV Channel Guide.

Edit channel lineup

When you scan for channels described in Setting up live TV, the TV adds all the channels with good signals that it can detect in your area. In addition, unless you hide them as explained in Hide streaming TV channels, the channel lineup will include streaming channels along with your local TV stations.

At this point, you might have more channels than you want in your channel list. Use the **Edit channel lineup** menu to hide any channels that you do not want in your channel list. You can hide both over-the-air and streaming TV channels.



Press **UP** or **DOWN** to highlight a channel, and then press **OK** to select or clear its check box. Channels with check marks are hidden in the Live TV Channel Guide and cannot be tuned.

Tip: *Pause for a few seconds for the TV to tune to the highlighted channel. You then can view and hear the channel to decide whether you want to hide it. 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 using the* ***Edit channel lineup*** *menu.*

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

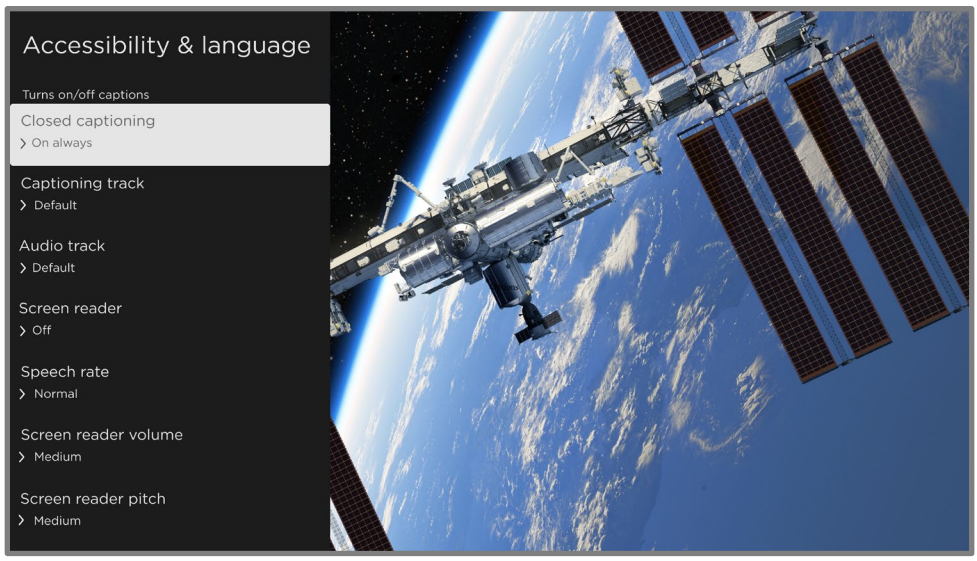
Hide streaming TV channels

By default, the Live TV Channel Guide shows both broadcast and streaming channels in one long list. If you prefer, you can hide streaming channels from the Live TV Channel Guide.

To hide streaming TV channels, from the Home Screen Menu, navigate to **Settings > TV inputs > Live TV > Manage channels**, and then highlight **Hide streaming TV channels** and press **OK** to select the adjacent check box.

Accessibility & language

The settings on the **Accessibility & language** 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**.



Typical **Accessibility & language** 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 & language menu settings

- **Closed captioning** – Controls when you see captions. *This setting appears only for programs you watch through **ANT**, **AV**, streaming, and Roku Media Player. Any set value remains in effect across only these inputs.*

  - **Live TV** – Set captions to **Off**, **On always**, **On replay**, or **On mute**.

  - **AV input** – Set captions to **Off**, **On always**, **On replay**, or **On mute**.

  - **Streaming video channel and Roku Media Player** – Set captions to **Off**, **On always**, **On replay**, or **On mute**. Not all streaming content has captions. 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.*

- **Screen reader** – *Present only when the TV **Language** is set to **English**.* Turns the screen reader on or off. The screen reader is a text-to-speech user interface to help you navigate the Roku user interface. When enabled, it reads out text, menus and other on-screen items.

  Accessibility: *If **Screen reader shortcut** is enabled, you can enable or disable the screen reader by pressing the **STAR ✱** four times in quick succession. (**STAR ✱** is located directly below the purple directional pad on the right side of the Roku remote.)*

- **Speech rate** – Select the speed at which the screen reader speaks.

- **Screen reader volume** – Set the volume of the screen reader in relation to the main TV volume.
- **Screen reader pitch** – Select the desired pitch of the screen reader voice.
- **Screen reader shortcut** – Enable or disable the screen reader shortcut feature. When disabled, pressing **STAR** ✱ four times in quick succession does not enable or disable the screen reader.

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 **Spanish** and **French**, 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://www.fcc.gov/consumers/guides/audio-description

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.

Displaying art and photos with Backdrops

In supported regions, during times when you are not actively watching your TV, use it to display curated art from a wide range of categories. Or, upload your own photos to display your memories on the big screen. Selected images appear when you turn off your TV. You can control:

- Selection of images that the TV displays
- TV brightness during Backdrops sessions
- Duration of each image



Set up Backdrops

1. If it's not already in your Home screen grid, go to **Settings > Backdrops** and select **Open the Backdrops app**. Otherwise, just select the Backdrops tile on the Home screen grid.

2. Open the Backdrops app.
3. Scroll through and select the art you want to display from among the various categories, artists, and photographers. Select an entire collection or individual items.
4. Choose either **Set as Backdrop** or **Add to My Favorites**.
5. If you want to display the selected collection or image, you are done. If you want to display your favorites, scroll up to the top and select the **My Favorites** tile, and the select **Set as Backdrop**.
6. Press **POWER** on your remote control to start showing your selected Backdrops.

Note: *To completely turn off the TV when you've enabled Backdrops, hold down **POWER** for a few seconds until **Powering off** appears in the upper right corner of the screen.*

Change Backdrops settings

When Backdrops in not active, you can change settings within the Backdrops app. Open the Backdrops app from the Home screen and select the **Settings** icon.

When Backdrops is active, you can change settings by pressing **STAR** ✱ and then choosing the setting you want to change from the menu.

Add your own photos to Backdrops

From your mobile phone:

1. Open the Backdrops app.
2. Select **Add your photos**.
3. From the options that appear, choose one of the following:
    - **Upload photos**. To use this option, use your mobile phone's camera to scan the QR code that appears on your TV screen, and then follow the instructions on your phone to upload your photos.

- **Connect Google Photos**. To use this option, use your mobile phone's camera to scan the QR code that appears on your TV screen, and then follow the instructions on your phone connect your Roku account to your Google Photos account. You can then choose albums to link to Backdrops.
- **Settings**. Opens Backdrops settings where you can choose **Manage photo services** to make changes to your linked Google Photos account and linked albums.

From your computer:

1. Open your web browser and go to https://backdrops.roku.com.
2. Follow the instructions to add your own photos and manage your linked photo services.

Navigate Backdrops

When your TV is displaying a Backdrops image, you can do any of the following:

- Press **RIGHT** or **LEFT** to show the next or previous image in your selected collection.
- Press **UP** or **DOWN** to display information about the current image.
- Press **STAR** ✱ to open the **Backdrops settings** menu.
- Press **HOME** to return the Home screen.
- Hold down **POWER** for a few seconds to turn off the TV.

Featured Free

Use **Featured Free** to discover content that is free to watch.

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

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

If you don't want to see Featured Free in the Home Screen Menu, you can hide it.

To hide **Featured Free**:

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

Searching for something to watch

Searching for movies and programs across streaming channels and live TV 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
- Music or podcast title or artist on Spotify
- Genre, including the special genres, “free” and “4K.”

Note: *Roku Search searches across many, but not all, popular streaming channels. The actual channels it searches vary by locale.*

How do I search?

You can search in several different ways:

- By speaking search phrases in English, Spanish, Portuguese, or German (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 channel you’re currently watching appear in the first row, followed by results from other channels.

- 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

For more details about Voice Search, go to go.roku.com/voicesearch.

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 English, French, Spanish, Portuguese, or German for voice searches, according to the TV language you set in* ***Settings > System > Language****.*

   The TV lists the results of your search across many streaming channels and live TV 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. For example, 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 the Roku support article, How to use Google to control your Roku® streaming device.

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. For example, 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 the Roku support article, How to use Amazon Alexa to control your Roku® streaming device..

Keyboard search using the remote

1. Select **Search** from 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.

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]

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 shows."
- **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."

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.

Using the Roku Store

From the Home Screen Menu, navigate to **Streaming Store** option to go to the Roku 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 content is continuously added to the Roku 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.*

Automatic Account Link

Some streaming 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. For a growing list of channels that support this feature, see the Roku support article, How to set up, or sync, subscription channels in your account on a second Roku® streaming device.

Customizing your TV

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

Add TV inputs to your Home screen

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 to your Home screen

You can add streaming channels by searching in the Roku Store.

Streaming channels that you add appear at the bottom of the Home screen. If you want to move a channel to a different position, see Rearrange inputs and channels.

Hint: *If you have multiple Roku devices, they will all show the same set of streaming channels after their next daily update, except for channels that are 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 on your other Roku streaming devices.*

Rename inputs

When you connect and power on an HDMI® device, your TV identifies it, automatically renames the input, and changes the 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 predefined names and icons, you can enter a custom name and select an icon. From the **Rename** list, scroll down to **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 the item from your Home screen.

Note: *Be aware that removing 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, you can either:

- Highlight the input or channel tile 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.

or

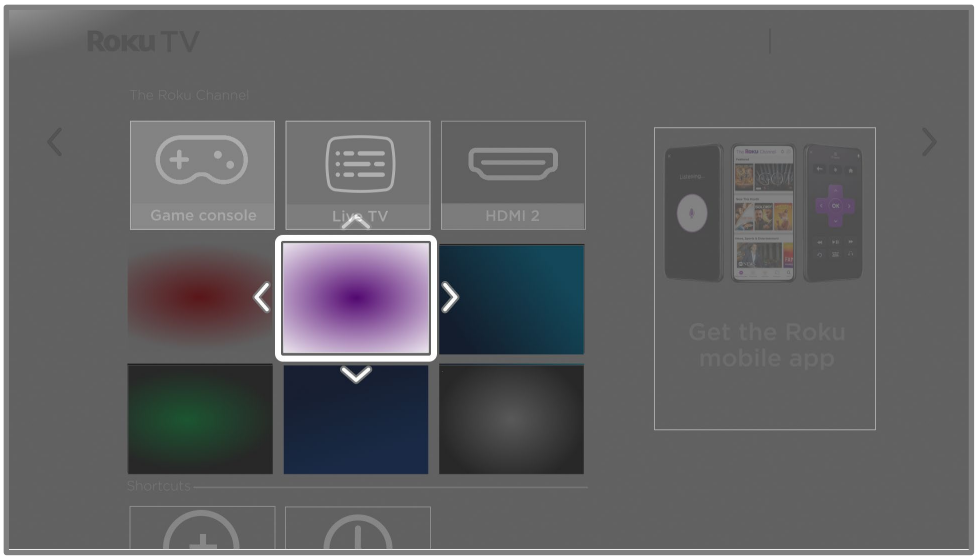
- Navigate to **Settings > TV inputs**. On the **TV inputs** screen, select the input you want to remove, and then select **Remove > Confirm**. Press **HOME** ⌂ to return to the Home screen.

Rearrange inputs and channels

Adding a TV input adds it at the top of the Home screen. Adding a streaming channel adds it at the bottom of the Home screen.

You can rearrange the order of the inputs and channels on your 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 input or channel tile you want 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 closes 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

Another way to customize your TV is to change its theme. The theme establishes the look, feel, and sounds of the TV through colors, designs, fonts, wallpaper (background), screensaver, and menu navigation sounds.

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

- **Theme packs** – Choose from a selection of packages that include coordinated wallpapers, screensavers, and sounds.
- **Wallpapers** – Select a wallpaper of your choice.
- **Screensavers** – Select a screensaver of your choice.
- **Sounds** – Select a sound set of your choice.

- **Seasonal wallpapers** – When this feature is on, Roku overrides your selected wallpaper with a wallpaper of their own choosing for various holidays and significant events. After the holiday or event passes, the TV reverts to your selected theme.
- **Sponsored wallpapers** – When this feature is on, Roku occasionally overrides your selected theme with themes that celebrate TV shows, movies, and events.
- **Wallpaper animations** – When this feature is on, certain wallpapers display entertaining animated features.
- **Screensaver start time** – Select the idle time after which you want your selected screensaver to appear, or disable the screensaver.
- **Restore default theme** – Every Roku TV has a theme based on the TV brand and model. Use this option to restore that default theme.

Change menu volume

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

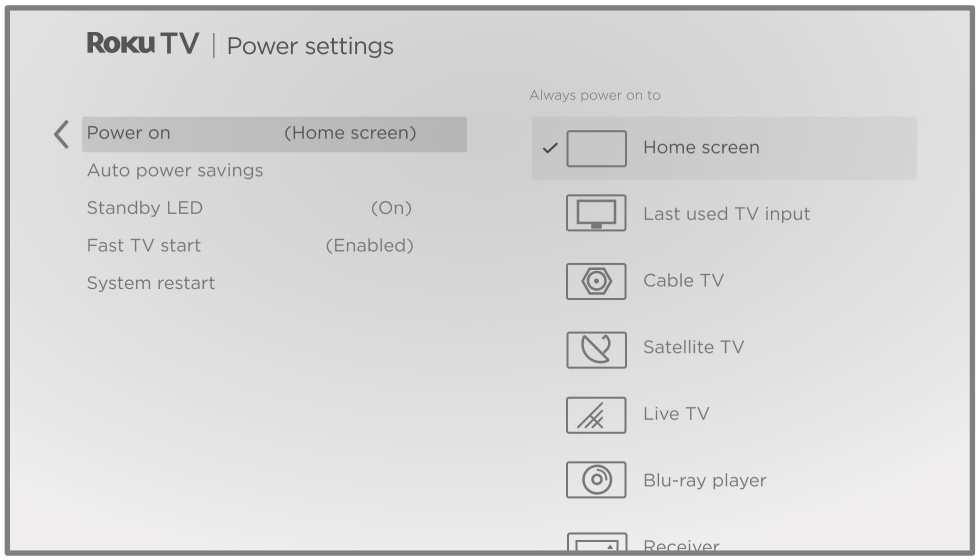
To adjust the menu volume, from the Home Screen Menu, navigate to **Settings > Audio > Menu volume**. Navigate to the right and then change the setting to **High**, **Medium**, **Low**, or **Off**.

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.

Note: *Some models can charge the remote control from the USB ports on the back of the TV. These models can be configured to keep the USB port enabled for four hours, even if Auto power savings is enabled, providing ample time to completely charge the remote control. If your TV model has this feature, you can find the setting to configure USB power under* ***System > USB settings****. For details, see Charging your Roku Voice Remote Pro from a TV USB port.*

Standby LED On/Off

Some TVs are factory configured so that their status indicator is on when the TV is in standby mode. Other TVs are factory configured so that their status indicator is off in standby mode.

You can change the setting to suit your preference. To do so, from the Home Screen Menu, navigate to **Settings > System > Power > Standby LED**, and then select the desired setting.

Regardless of the setting you choose, the status indicator still performs its other indication functions.

Fast TV start

Only on certain models, you can enable **Fast TV start**, which lets you start watching your TV almost instantly after turning it on. **Fast TV start** also enables you to turn on your TV with your Roku Voice Remote by saying, “Hey Roku, turn on my TV.”

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

Fast TV start uses significantly more power than normal standby and overrides default power settings.

Configure accessibility

Accessibility settings enable users with vision or hearing impairment to use the TV more effectively. Accessibility settings are located under **Settings > Accessibility**.

Captions mode

- **Off** – No captions appear.
- **On always**– 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 Media Player, or watching a TV channel after enabling Live TV Pause.
- **On mute** – Captions appear only when the TV is muted.

Tip: *You can also change the captions mode while watching a program. Press **STAR ✱** to display the **TV settings** menu, and then select **Accessibility & language > Closed captioning**. However, note that some streaming channels require you to enable captions through a setting within their channel even though you have turned on captions elsewhere.*

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

Tip: *If you have a Roku Voice Remote or the Roku mobile app, you can use a voice command to turn captions on or off. For example, just say, "Captions on," Captions off," "Captions replay," or "Captions on mute."*

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.

Screen reader

Screen reader settings help users who are blind or visually impaired to configure the text-to-speech reader, enabling them to operate their TV more easily. The screen reader uses voice prompts that speak volume and channel changes, menu options, and setting changes. Access screen reader settings from the Home Screen Menu by navigating to **Settings > Accessibility**, and then set the various options as desired in the **Screen reader** section.

Reduce motion

Use the **Auto-play video** setting to control whether certain videos play automatically while you are navigating. If you prefer that videos do not play automatically, select **Off**.

Customize the Home screen

You can customize the Home screen in the following ways:

Menu items

If you prefer to not see certain features on the Home screen, you can hide them. From the Home Screen Menu, navigate to **Settings > Home screen**, and then press **RIGHT**. Select either **Hide** or **Show** for each of the available options.

Note: *The items you can hide and show vary by locale and might change over time.*

Layout

- **Recommendation rows** – Show or hide recommendation rows that appear at the top of the Home screen grid.
- **Tile size** – Select a three (larger) or four column (smaller) Home screen grid.

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 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 unblock all blocked programming without disturbing the individual rating settings that you have made. 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. 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 > Enable parental controls**.
3. Make sure the **Enable parental controls** check box is selected. 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).*

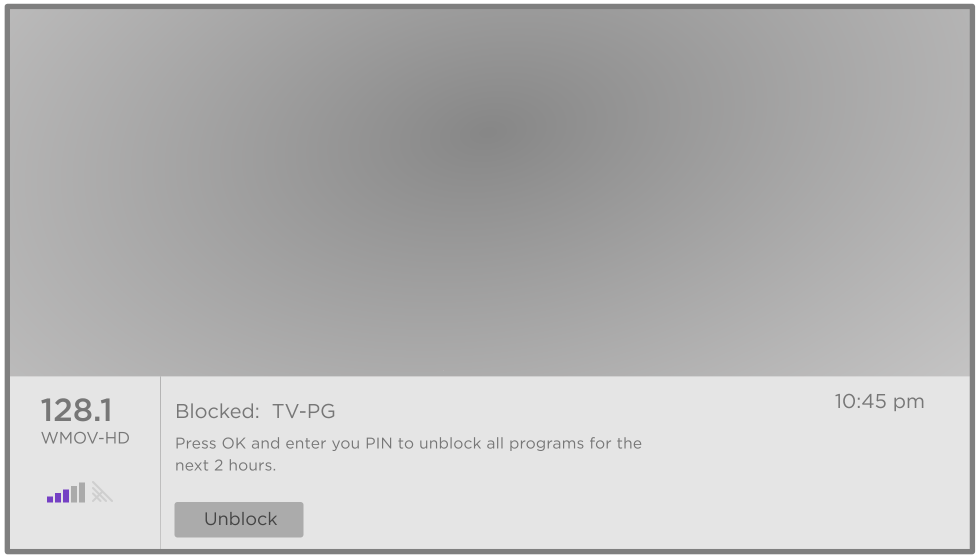
In the absence of other ratings for a program, the parental controls do not consider the MPAA US movie rating ***N/A*** *(MPAA rating not applicable to this content) and* ***NR*** *(applicable content not rated by the MPAA) to be ratings. In these cases, the TV handles the program as though it is unrated,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

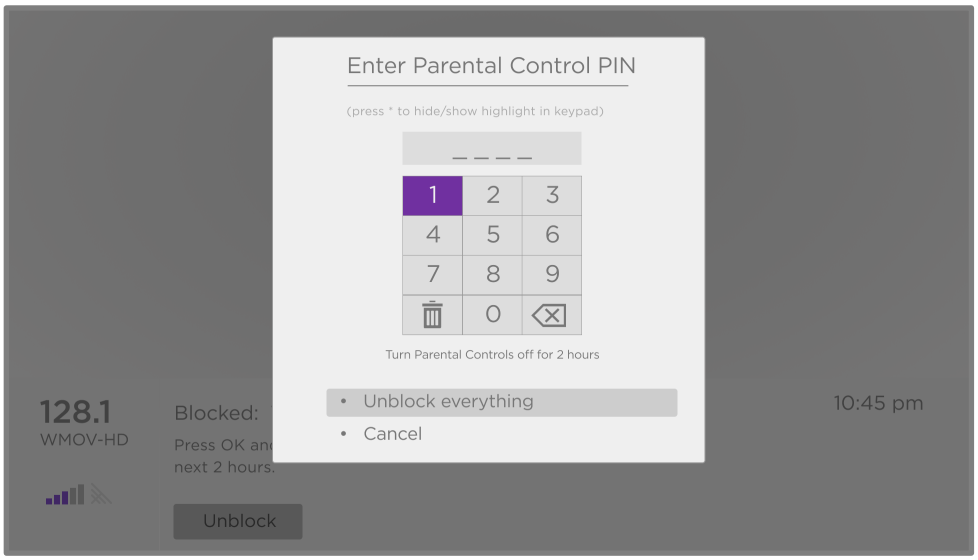
When a program is blocked by parental control settings, the TV displays a blocked message:



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

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 > 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 by logging in to my.roku.com on your computer or smart phone, 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 select **Streaming Store**

from the Home Screen Menu to access the Roku Store to find and add channels they watch at home with confidence that their selections and usage history will be removed automatically on their sign-out date.

For more information about the experience your guests will have when Guest Mode is enabled, see the Roku support article How to turn Guest Mode on and off on your Roku streaming device.

To disable Guest Mode:

1. Press **HOME** to return to the Home Screen Menu.
2. Navigate to **Settings > Guest Mode**.
3. Select **Exit Guest Mode**.
4. Enter your Roku Account 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 some of your subscription channels again to access your content.

Note: *Any game data that was stored on your TV 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.

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 Connecting your TV.

- **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.*

ZIP Code

Your TV needs to know your ZIP 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 **ZIP Code** option to enter your correct code.

To set your correct ZIP Code, from the Home Screen Menu, navigate to **Settings > System > ZIP Code**, and then press **RIGHT**. Enter your ZIP 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 TV settings menu.

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

- **Time zone** – Your TV needs correct time zone information 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 the TV can discover its own time zone automatically, but sometimes it cannot and must be set manually. Initially, this setting is made when you set up the TV tuner, as explained in Setting up live TV.

- **Clock format** – Choose whether to display time in a 12-hour or 24-hour format, or to turn off time display.

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: *Your hidden and favorite channels are preserved when you rescan for channels.*

To repeat the channel scan, highlight the **Live TV** input on the Home screen, and then press **STAR ✱**. Next, select **Rescan 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 (not applicable to QHD (2K) models)

On UHD (4K and 8K) TVs, you can independently configure each **HDMI** input to match the capabilities of the connected device.

Note: *On certain models, not all available HDMI ports can support all capabilities of the connected device (for example, 4K resolution at 120Hz on models that support this capability). Some TVs require you to use specific HDMI inputs to access all capabilities of the connected devices.*

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 60 Hz 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 30 Hz 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

Advertising

By default, your TV uses an advertising identifier to track your TV usage. You can change the advertising settings on your TV in various ways using the settings on this screen.

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

Voice

Select Voice to change settings related to using your voice to interact with the TV.

Microphone access

Your Roku TV does not have a built-in microphone. However streaming channel providers can use the microphone on Roku Voice remotes (certain 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 > Voice > Microphone access**.
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 once again 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 > Voice > Microphone access**.
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.

Speech recognition

By default, Roku uses recordings of your voice interactions with Roku Voice Remotes and the Roku mobile app to improve its speech recognition abilities. If you do not

want to allow Roku to use your voice for this purpose, from the Home Screen Menu, navigate to **Settings > Privacy > Voice** and clear the **Speech recognition** check box.

Smart TV experience

Your TV prompts you to opt in to the Smart TV experience when you first start watching TV programs. Regardless of your decision at that time, you can change your decision later.

To change your Smart TV experience choices:

1. From the Home Screen Menu, navigate to **Settings > Privacy > Smart TV experience**.
2. Highlight the setting you want to change, and then press **OK** to enable or disable it.
    - **Use info from TV inputs** – Authorizes Roku to collect and share information about what, when, and how you are watching and use this to make recommendations.
    - **Enable auto notifications** – Displays brief notifications from the Smart TV experience across the bottom of the screen when recommendations are available.

Note: *These settings do not affect recommendations for More Ways to Watch that you see in the Live TV Channel Guide when watching live TV channels. Press **STAR** ✱ while each of these settings is highlighted to view more details about how Roku collects and uses this data.*

Other privacy options

- **Privacy Policy** – Displays the latest Roku Privacy Policy on your screen.
- **Privacy choices** – Lets you specify certain privacy choices:
    - **Do not share/sell my information**
    - **Limit use of sensitive information**

- **CA Privacy Notice** – Displays the latest California Privacy Notice on your screen. This notice applies to residents of states that have followed California's privacy legislation, including Colorado, Connecticut, Delaware, Florida, Iowa, Montana, Nebraska, New Hampshire, New Jersey, Oregon, Texas, Utah, and Virginia.

Roku TV soundbars and wireless speakers

Your Roku TV works with several Roku premium audio products, including the Roku Streambar®, Roku Streambar Pro, Roku TV Wireless Soundbar, Roku wireless speakers, Roku Wireless Bass, and Roku Wireless Bass Pro. Certain TV models also support pairing multiple wireless speakers in various configurations to provide wireless surround sound without the use of a sound bar or home theater receiver.

With Roku TV premium audio products, you can listen to all of your TV programs as well as the sound from any streaming channel. After you have paired your speakers with your Roku TV, all sound normally comes from the paired speakers instead of the internal TV speakers, unless you change the default setting in **Settings > Audio > Audio output**.

If you have connected a Roku Streambar® to your Roku TV, you can put away the soundbar remote control and use the TV's **Sound settings** menu to control sound options while watching a program. See Roku premium audio products for details.

Roku wireless speakers

TV models that support wireless surround sound can function with left and right front speakers in a 2.0 configuration or both right and left front and rear speakers in a 4.0 configuration. Add a Roku Wireless Subwoofer to create a 2.1 or 4.1 surround configuration.

Note: *Certain TVs support Dolby Atmos® audio technology. However, wireless surround speaker configurations do not support Atmos. When you are playing Atmos content from a TV that supports Atmos through wireless surround speakers, the TV instead applies Dolby Digital sound technology.*

Setting up Roku wireless speakers

To begin pairing a set of wireless speakers:

1. Make sure the speakers are plugged in and your TV is turned on.
2. Hold down **HOME** on your TV remote for five seconds until the **Select all devices to set up** screen appears.
3. Select the appropriate item to set up: **Wireless speakers**, **Wireless soundbar**, or **Subwoofer**.
4. Select **Continue**, and then follow the instructions on the screen to complete the pairing process.

For more information, including details about how best to arrange your speakers in your room, see the Roku support article How to set up your Roku wireless speakers.

Checking Roku Soundbar or Roku Speaker software version

If you are having issues with your Roku audio devices, your Roku support technician might ask you to provide the software version of a particular device.

To determine the software version of a Roku audio device that is connected to or paired with your TV:

1. From the Home Screen Menu, navigate to **Settings > Remotes & devices**.
2. Select **Speakers**.
3. Select the device whose software version you want to view from among your connected devices: **Wireless speaker**, **Wireless soundbar**, **Streambar**, **Streambar Pro**, or **Subwoofer**.
4. Select **About**. On this screen, you can find information about the device, including the **Software version**.
5. Repeat steps 3 and 4 to view the software version for additional Roku audio devices.

Factory resetting a Roku soundbar or Roku speakers from the TV

If needed, you can factory reset your soundbar or speakers directly from your TV. You'll need to factory reset them if you want to pair them with another Roku device, or if you want to correct the speaker channel (left, right, front, or rear) assignments. You also can factory reset your Roku Streambar if you want to transfer it to another person. Factory resetting removes all of your channels, settings, subscriptions, and personal information from the device.

To factory reset a connected Roku audio product:

1. From the Home Screen Menu, navigate to **Settings > Remotes & devices**.
2. Select **Speakers**.
3. Select the device to reset from among your connected devices: **Wireless speaker**, **Wireless soundbar**, **Streambar**, **Streambar Pro**, or **Subwoofer**.
4. Select **Factory reset** and then use the on-screen keypad to enter the code displayed on the screen to confirm.
5. Repeat steps 3 and 4 to factory reset additional Roku audio devices.

For more information about resetting Roku audio devices, see the Roku support article How to factory reset your Roku wireless audio device.

Home theater configuration

Your TV has several features that make it an ideal TV for a home theater. 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, automatically selecting the S/PDIF optical port, HDMI® ARC/eARC port, Roku wireless speakers (*certain TV models*), or the built-in TV speakers.

- **ARC/eARC (HDMI *n*)** – Always output audio to the indicated HDMI® ARC or eARC port (depending on 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 theater 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.

- **Built-in 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 into a Roku remote that supports wireless private listening.
- Turn on wireless private listening in the Roku mobile app.
- *Only on certain models,* connect a Bluetooth headphone or speaker to the TV.

Wall-mounted TV

Only on certain models, you can optimize the sound from the TV speakers when your TV is mounted on a wall. To do so, from the Home Screen Menu, navigate to **Settings > Audio > Wall-mounted TV** and toggle the setting **On**.

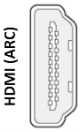
Flush-mounted TV

Only on certain models that can be mounted flat against a wall, you were prompted to make this selection during Guided Setup. Choosing the correct setting can make a significant difference in the quality of the sound from the TV speakers. If you want to change your selection without repeating Guided Setup, navigate to **Settings > Audio > Flush-mounted TV**.

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

Choosing a preferred audio streaming format

Some streaming content is available with multiple audio formats. You can choose the format you prefer from among the following options:

- **Auto** – Automatically selects the best audio format for the content you are streaming.
- **Dolby** – Selects Dolby Audio if it is available. Otherwise, selects the best available format.
- **DTS** – Selects DTS if it is available. Otherwise, selects the best available format.

Choosing an audio digital output format

After making the required HDMI® ARC, eARC, or S/PDIF optical connection, from the Home Screen Menu, 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 theater receiver. If you enable DTS when using the TV speakers, you might not hear any audio.*

Dolby Atmos notification

Only on models that support Dolby Atmos® audio technology, you can enable or disable the on-screen notification that appears when you start watching content that contains Atmos audio.

To disable the notification, from the Home Screen Menu, navigate to **Settings > Audio > Dolby Atmos** notification, and toggle the setting **Off**.

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.

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

Turning off the TV screen while listening to music

While listening to music or other audio-only content on your TV, you might want to turn off the TV screen.

To turn off the TV screen:

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."*

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 theater 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 startup 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). Before performing a factory reset, we recommend you read this Roku support article to diagnose your issue and determine if there are other ways to solve the problem: How to system restart or factory reset your Roku streaming device.

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.

TVs that have a back panel recessed 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.

TVs that have a Roku remote-shaped button

- If your TV has two panel buttons, one of which is shaped like a Roku remote, you can factory reset the TV by holding both buttons down for at least five seconds.

TVs that have no RESET button

- If your TV has no RESET button and does not have the two panel buttons described above, hold down the **POWER** button on the TV for 10 seconds to reset.

Using Recovery Mode

Certain models have another reset option called Recovery Mode, which you can access by holding down the RESET button for at least 20 seconds. For a list of models that support Recovery Mode and detailed instructions about how to use it, see the Roku support article How to use Recovery Mode on your Roku TV™.

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 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

Your TV automatically updates itself 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 you're someone who must 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 > Software 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 software update.

Note: *Sometimes software 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 behavior of your TV after a software update.*

Tip: *You can download an updated User Guide for the latest software version from the Roku TV web site at:*

go.roku.com/tvmanual

Using other devices with your TV

Using Bluetooth® private listening (certain models)

Only on certain models, you can pair your Bluetooth headphones or earbuds and use them to listen privately to the TV. When Bluetooth headphones are connected, you can listen to any content playing on your TV, and the TV automatically mutes the sound from its speakers or other connected audio devices.

Note: *You can also pair most Bluetooth speakers by following these instructions.*

Pair your Bluetooth headphones

Before you can listen to your TV through your Bluetooth headphones, you must pair them with the TV. You typically need to pair them only one time, after which they will appear in the list of paired devices.

To pair your headphones:

1. From the Home Screen Menu, navigate to **Settings > Remotes & devices**, and then select **Wireless headphones**. (If you do not see this option, your TV does not have the Bluetooth feature.)
2. Select **Add new wireless headphones** and press **OK**.
3. Turn on your Bluetooth headphones and using the manufacturer's instructions, put them in pairing mode.
4. Wait while your TV scans for Bluetooth headphones. Scanning might take up to 30 seconds.
5. Select your Bluetooth headphones from the list of available devices.

Connect your Bluetooth headphones

When you are ready to listen to your TV through your Bluetooth headphones:

1. While playing a program on your TV, press **STAR ✱** and then select **Wireless headphones**.

   Alternatively, if you are not already playing a program, from the Home Screen Menu, navigate to **Settings > Remotes & devices**, and then select **Wireless headphones**.

2. Select your headphones from the list.

3. Select **Connect**.

Notes: *When you connect your headphones, the TV mutes its speakers or other audio output devices (soundbar or home theater receiver) until you disconnect the headphones.*

When your Bluetooth headphones are connected, you can adjust the volume and mute by using the buttons on your remote control or the buttons on the headphones themselves. When you do, notice that the volume icon in the upper right corner of the TV screen shows a headphone icon 🎧 *.*

You can pair multiple Bluetooth headphones to your TV but only one set can be connected and used at a time. In the case of separate left and right wireless earbuds, the pair counts as a single device.

Disconnect your Bluetooth headphones

When you want to restore audio output from the TV speakers or other audio devices, you must disconnect your headphones.

To disconnect your headphones, turn them off. Alternatively, you can repeat the steps you followed to connect them, and then select **Disconnect**.

Disable Bluetooth auto detect

Most Bluetooth headphones when turned on try to connect to the most recent device. If auto-detect is turned off or your headphones do not automatically connect, you must use the previous instructions to manually connect your headphones when you want to use private listening.

To change the auto-detect setting:

1. From the Home Screen Menu, navigate to **Settings > Remotes & devices**, and then select **Wireless headphones**.
2. Select your headphones from the list.
3. Select **Auto detect** and select **Off** or **On** as desired.

Pairing your phone, tablet, or computer with Bluetooth®

Only on certain TVs, you can pair your mobile phone, tablet, or computer via Bluetooth to play audio from that device through your TV. Use this feature to play your music library, podcasts, meeting audio, or any other sounds from your paired device.

Before you can connect your Bluetooth device to your TV, you must pair the device with the TV. You typically need to pair your device only one time, after which it will appear in the list of paired devices. If desired, you can pair multiple Bluetooth devices.

Pair your device

To pair your Bluetooth phone, tablet, or computer:

1. Turn on your device and navigate to its Bluetooth settings.
2. From the Home Screen Menu on your TV, navigate to **Settings > Remotes & devices > Smartphones & tablets**, and then select **Add a new smartphone or tablet**. (If you do not see this option, your TV does not have the Bluetooth feature.)

3. Wait until your device discovers the TV and displays it in its list of available Bluetooth devices. As the pairing process progresses, your TV displays a **Searching** screen that shows the name to look for in your device's Bluetooth list.

4. Select your TV from the Bluetooth list on your device. Its name is listed according to the TV model you are pairing, as was shown in the Searching screen. Example, **Roku Plus Series 4K – 75"**.

5. A few moments after pairing, your device appears on the **Remotes & devices** screen. A check mark adjacent to your device's name indicates that it is connected.

   Note: *If no check mark appears next to the device's name, follow the steps in the next topic to connect.*

For more information on using Bluetooth headphones for private listening, see the Roku support article How to use Bluetooth headphones for private listening on your Roku streaming device.

Connect your device and play audio on your TV

When you are ready to play audio content from your Bluetooth device to your TV:

1. Turn on your TV and your device.

2. Navigate to your device's Bluetooth settings.

3. Select your Roku TV from the list of paired devices to connect

   Note: *Your device might automatically connect to your TV. If so, steps 2 and 3 are not necessary.*

4. Play audio content from your device.

   - You can use either your device's controls or your TV remote to control volume and mute. You might find that the volume controls operate independently—that is, your device's volume does not control the TV volume, but affects the overall volume of the sound.
   - Depending on your device, you can use the **REWIND** ◀◀, **FAST FWD** ▶▶, and **PLAY/PAUSE** ▶II buttons on your TV remote to control playback.

5. From the Home Screen Menu on your TV, navigate to **Settings > Remotes & devices > Smartphones & tablets**, and then select your device's name from the list of paired devices.

Disconnect your device

If you do not want your device to automatically connect to your TV, you can disconnect it when you finish playing your audio content. Disconnected devices remain paired and can be reconnected quickly by following the steps in the previous topic.

You can disconnect your TV from your device by doing either of the following:

- On your device, navigate to the Bluetooth settings menu, select your Roku TV, and then select **Disconnect**.
- On your TV, navigate to **Settings > Remotes & devices > Smartphones & tablets**, select your device's name from the list of paired devices, and then select **Disconnect**.

For more information on using your phone, table, or computer to play audio via Bluetooth, see the Roku support article How to turn on Bluetooth pairing and connect your phone to your Roku device.

Mirroring your phone or tablet

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

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 center 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

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

Using a universal remote

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

What if I didn't connect my TV?

Note: *Some models require an Internet connection for setup.*

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.

What can I do with my Roku TV if it's not connected?

After you've fully set up your TV, you can use it without an Internet connection. You can access content from devices you connect to the TV, such as a game console, DVD player, or cable box. You can watch local content from a USB storage device connected to the TV's USB port. And you can connect an antenna and watch local TV channels.

What you're missing by not connecting

By not connecting your Roku TV to the Internet, your device will not get automatic software updates, access to the latest streaming channels, and important bug fixes and security patches. In addition, many of Roku TV's best features, such as search, Backdrops, and The Roku Channel, will not be available.

Here is a full list of what you are missing if you choose not to connect your TV:

- The Roku Channel
- The Roku Store and access to all streaming services, such as Netflix, YouTube, and all others.
- Voice control and search features available through a Roku Voice Remote
- Google Home, Amazon Alexa, and Apple HomeKit/Apple Siri interactions
- Roku Search, including searching Live TV (over-the-air channels)
- Live streaming TV channels
- Live TV pause
- Recommendation row, Sports zone, What to watch
- Full-featured Live TV Channel Guide with categories, filtering, and auto sorting
- Backdrops
- More Ways to Watch
- Smart TV Experience
- Featured Free
- My Offers
- Roku Mobile App interactivity
- Guest mode
- New themes, theme packs, sounds, wallpapers, and screensavers.

Surfing only favorite channels when your TV is not connected

If you have marked one or more channels as favorites:

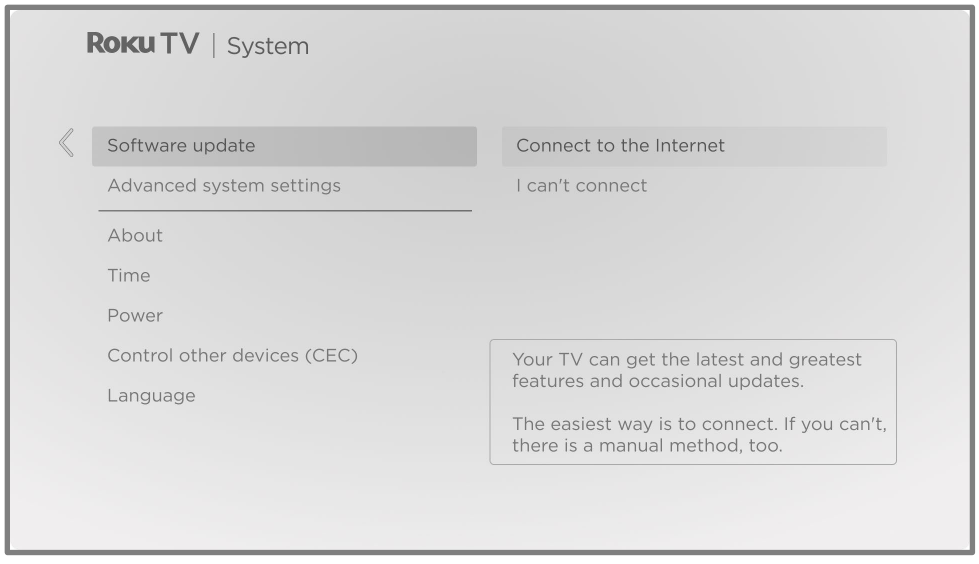
1. While watching live TV, press **LEFT** to display the channel list.
2. Press **LEFT** or **RIGHT** once to switch to **Favorites**. Notice that the word **Favorites** appears at the top of the channel list.
3. Highlight a channel and press **OK** to select a channel from among your favorites.

To see all of your channels again, repeat these steps, but this time select **All Channels**.

Updating a TV that is not connected

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

To get a software update, navigate to **Settings > System > Software update**:



The **Software 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 Connecting your 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 **Software 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.

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.

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 software 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**.

FAQ

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

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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LIMITED WARRANTY
ONE (1) YEAR

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WHO IS COVERED:
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WHAT IS COVERED:
This warranty covers new products if a defect in material or workmanship occurs and a valid claim is received within the Warranty Period. At its option, the company will either (1) repair the product at no charge, using new or refurbished replacement parts, or (2) exchange the product with a product that is new or which has been manufactured from new, or serviceable used parts and is at least functionally equivalent or most comparable to the original product in current inventory, or (3) refund the original purchase price of the product.
Replacement products or parts provided under this warranty are covered against defects in materials and workmanship from the date of the replacement or repair for ninety (90) days or for the remaining portion of the original product's warranty, whichever provides longer coverage for you. When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes company property. When a refund is given, your product becomes company property.
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- Product repair and/or part replacement because of improper installation or maintenance, connections to improper voltage supply, power line surge, lightning damage, retained images or screen markings resulting from viewing fixed stationary content for extended periods, product cosmetic appearance items due to normal wear and tear, unauthorized repair or other cause not within the control of the company.
- Damage or claims for products not being available for use, or for lost data or lost software.
- Damage from mishandled shipments or transit accidents when returning product.
- A product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- A product used for commercial or institutional purposes (including but not limited to rental purposes).
- Product lost in shipment and no signature verification receipt can be provided.
- Failure to operate per User manual.

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