USER GUIDE

INSIGNIA • Roku TV

32"/55" 1080p, 60Hz, LED Insignia Roku TV

Version 6.2
NS-32DR420CA16/NS-55DR420CA16

Illustrations in this guide are provided for reference only and may differ from actual product appearance. Product design and specification may be changed without notice.

Before using your new product, please read these instructions to prevent any damage.

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INSIGNIA • Roku TV

CHILD SAFETY

PROPER TELEVISION PLACEMENT MATTERS



THE CONSUMER ELECTRONICS INDUSTRY CARES

- Manufacturers, retailers and the rest of the consumer electronics 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 an independent laboratory (such as UL, CSA, ETL).
- **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 flat-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.

CEA Consumer Electronics Association

Important Safety Instructions

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

This symbol indicates that dangerous voltage constituting a risk of electric shock is present within your TV. This label is located on the back of your TV.

This symbol indicates that there are important operating and maintenance instructions in the literature accompanying your TV.

This symbol indicates that this product incorporates double insulation between the hazardous main voltage and user accessible parts. When servicing, use only identical replacement parts.

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.


S3125A

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.
15. The *wall plug* is the disconnecting device. The plug must remain readily operable.
16. Remote control batteries should not be exposed to excessive heat such as sunshine, fire, or the like.
17. The apparatus should not be exposed to dripping or splashing, and no objects filled with liquids, such as vases, should be placed on the apparatus.
18. Your TV has four VESA mounting holes on the back. If you attach a wall-mount bracket or TV stand to the back of your TV, **the bracket or stand must be securely attached using all four holes**. If you do not use all four mounting holes, your TV may fall and cause property damage or personal injury. See the documentation that came with your wall mount or TV stand for complete mounting instructions.

WARNING

Electric shock hazard

To reduce the risk of fire or electric shock, do not remove any cover or expose the device to rain or moisture. No user-serviceable parts are inside. Refer servicing to qualified service technicians.

Lightning

For added protection for your device receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the power outlet and disconnect any antenna or cable system. This helps prevent property damage and personal injury from lightning and power line surges.

Power lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, take extreme care to keep from touching such power lines or circuits as contact with them might be fatal.

Handling the LCD panel

- Your TV's screen is made of glass. Do not drop your TV or hit, jolt, or press hard against the LCD panel. If the screen breaks, be careful of broken glass.
- If the LCD panel is broken, make absolutely sure that you do not touch the liquid in the panel. This may cause skin inflammation.
- If the liquid gets in your mouth, immediately gargle, rinse, and consult with your doctor. Also, if the liquid gets in your eyes or touches your skin, consult with your doctor after rinsing for at least 15 minutes or longer in clean water.

Replacement parts

When replacement parts are required, make sure that the service technician uses replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, personal injury, or other hazards.

Safety check

After completing any service or repair to this device, ask the service technician to perform routine safety checks to determine that your TV is in correct operating condition.

Power source

Operate your TV only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult an electrician or your local power company.

Servicing

These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

CAUTION

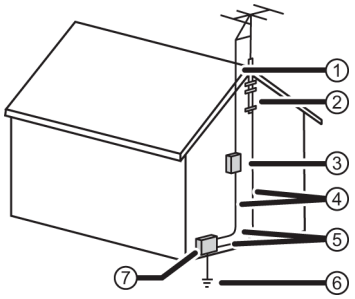
Damage requiring service

Unplug this TV from the power outlet and refer servicing to qualified service personnel under the following conditions:

- When the power supply cord or plug is damaged or frayed.
- If liquid has been spilled or objects have fallen into your TV.
- If your TV has been exposed to rain or water.
- If your TV does not operate normally by following the operating instructions. Adjust only those controls covered by the operating instructions because incorrect adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore your TV to its normal operation.
- If your TV has been dropped or damaged in any way.
- When your TV exhibits a distinct change in performance.

Outdoor antenna grounding

If an outside antenna or cable system is connected to your TV, make sure that the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to correct grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of the antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



1	Antenna lead-in wire
2	Grounding clamp
3	Antenna discharge unit
4	Grounding conductors
5	Ground clamps
6	Power service grounding electrode system
7	Electric service equipment

Note to CATV system installer

Article 820 of the National Electrical Code, ANSI/NFPA No. 40 provides guidance for correct grounding. Specifically, it states that the cable ground must be connected to the grounding system of the building as close to the point of cable entry as practical.

Condensation

Moisture will form on the TV if the TV is brought from cool surroundings into a warm room or if the temperature of the room rises suddenly. When this happens, the TV's performance may be impaired. To prevent this, let the TV stand in its new surroundings for about an hour before switching it on, or make sure that the room temperature rises gradually.

Condensation may also form during the summer if the TV is exposed to the breeze from an air conditioner. In such cases, change the location of the TV.

Mobile telephone warning

To avoid interference with your TV picture and sound, operating problems, or even damage, keep your cordless and cellular telephones away from the TV.

End of life directives

Your TV may contain materials that are regulated for environmental reasons. Your TV also contains materials that can be recycled and reused. To help protect the environment, contact your local authorities for information about disposal or recycling and about finding a recycler in your area before you dispose of your TV.

Non-active pixels

The LCD panel contains almost 3 million thin film transistors, which provide exceptionally sharp video quality. Occasionally, a few non-active pixels may appear on the screen as a fixed blue, green, or red point. These non-active pixels do not adversely affect the performance of your TV, and are not considered defects.

32"/55" 1080p, 60Hz, LED Insignia Roku TV

Welcome

Congratulations on the purchase of your new Insignia Roku TV! Discover the joy of endless entertainment. After it's set up, you'll be able to access a world of streaming content channels that may include Netflix, YouTube, Crackle, CNET and literally thousands more. Also, your Insignia Roku TV will receive automatic updates, enabling new content and features.

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 streaming movies and TV episodes, plus music, sports, kids, family, international and much more. You should never run out of things to watch.

Get the most out of your new Insignia Roku TV

Note

Some channels require payment and/or a subscription to access content. Channel availability is subject to change and not all content is available in countries or regions where Roku products are sold.

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

1. Connect to the Internet
   - It's simple, it's easy, and it will unlock a world of entertainment. All you need is a wireless network. There are hundreds of free streaming channels, subscriptions services like Netflix and Spotify, convenient ways to rent or buy a favorite film or show with Google Play and Cineplex and more.
2. Pick your favorite streaming channels
   - Find the entertainment you love. From the latest blockbuster movies to your favorite TV shows, with tons of sports, a broad selection of music streaming channels, popular programming in a dozen international languages, 24x7 live news and so much more, your new Insignia Roku TV has your sweet spot.
3. Personalize your home screen
   - Your Insignia Roku TV puts your favorite broadcast TV, streaming channels, gaming console and other devices front-and-center on the home screen. No more flipping through inputs or wading through complicated menus. You can even personalize the names of each input and move tiles around so your most-often used devices and streaming channels are only a click away.
4. Search for your favorite movie, TV show, actor, or director
   - Once you're connected to the internet, you can easily search across top streaming channels by movie or TV show title, actor or director-all from one place. Search results are organized by price so you can always see the best priced option.
5. Send your personal media to the big screen
   - Send personal photos, videos, and music from your smartphone or tablet to the TV screen in just a few taps. Plus, with Netflix and YouTube apps, send movies, shows, sport highlights, and more directly to your Insignia Roku TV.
6. Follow movies coming soon
   - Use My Feed to choose from and follow a list of upcoming movies, and then watch for alerts each time one of your followed movies becomes available or changes price.
7. Take charge with a smartphone or tablet
   - Control your Insignia Roku TV with the included remote or from your smartphone or a tablet with the free mobile app for iOS, Android, and Windows devices.Browse channels, view My Feed, and even search with voice via free mobile app.
   - Mirror your smartphone or tablet on your Insignia Roku TV. Share videos, photos, web pages, and more from compatible devices.

Note

Many features work with top mobile devices. Please see http://support.roku.com for device compatibility information

For more information, see Guided Setup on page 33.

Installing the stand or wall-mount bracket

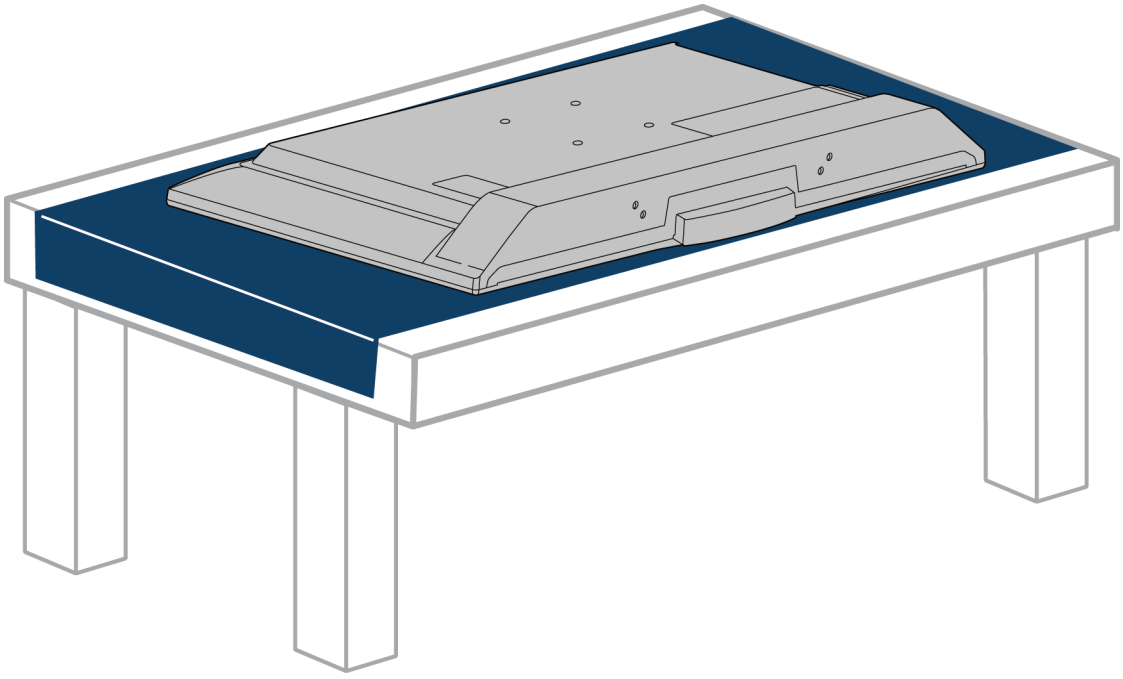
- If you want to place your Insignia Roku TV on a table or in an entertainment center, go to Installing the stand.
- If you want to mount your Insignia Roku TV on a wall, go to Installing a wall-mount bracket.

Notes

- If you plan to wall-mount your Insignia Roku TV, do not install the stand.
- Store the stand and stand screws in case you decide to use the stand in the future.

Installing the stand

1 Carefully place your Insignia Roku TV face-down on a cushioned, clean surface to protect the screen.



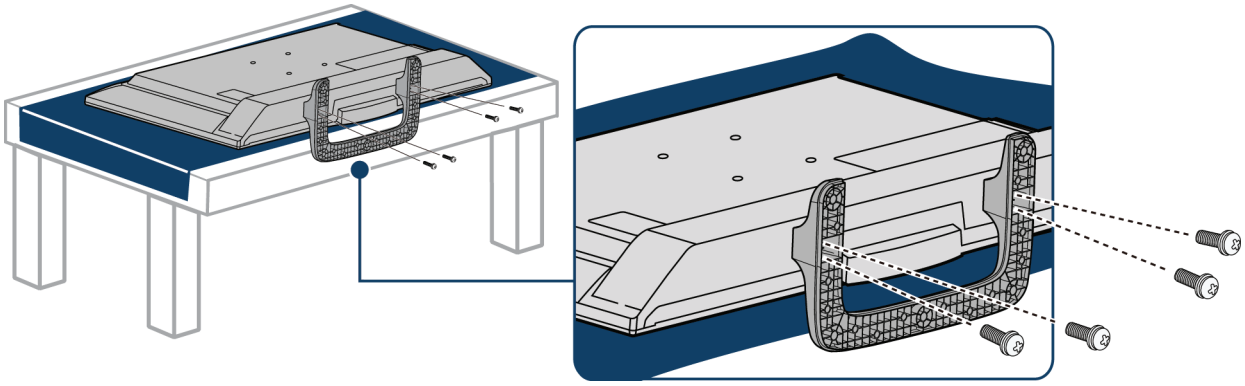
2 Align the TV stand(s) with the screw holes on the bottom of your Insignia Roku TV, then secure the stand(s) to your Insignia Roku TV with the four provided screws.

Notes

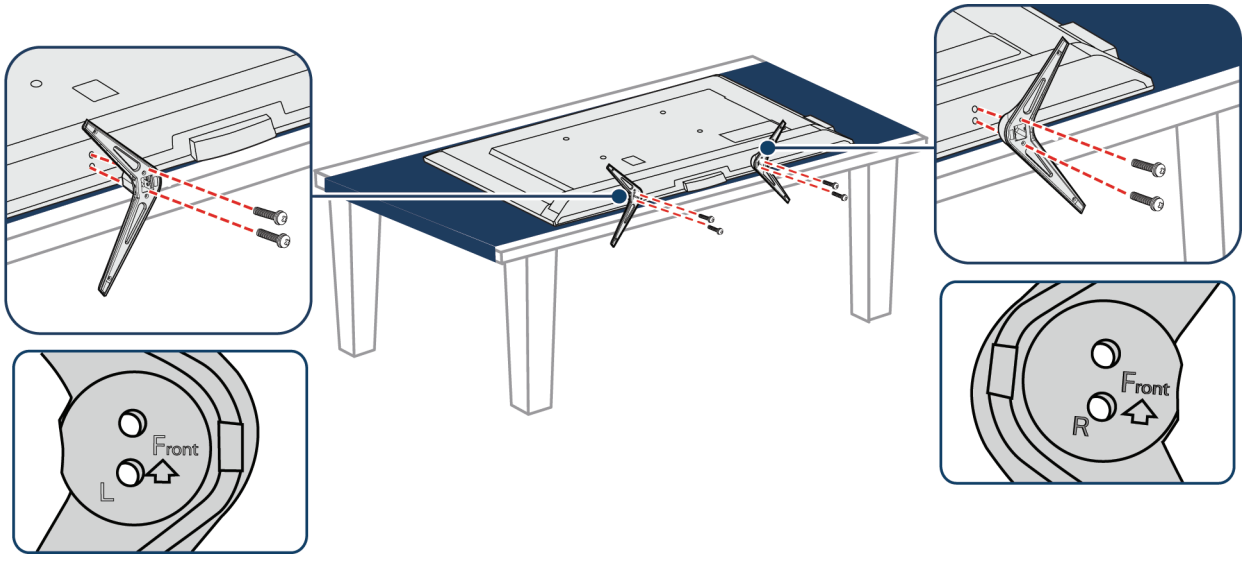
- The 32-inch model has one stand.
- The 55-inch model has two stands.

Model	Screw type	Screw length	# of screws
32-in.	M4	28 mm	4
55-in.	M6	36 mm	4

32-inch model



55-inch model



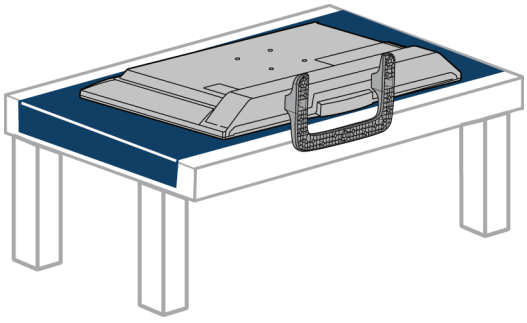
Installing a wall-mount bracket

Warnings

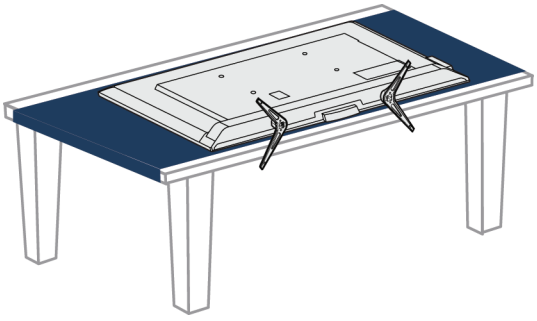
- Your Insignia Roku TV has four VESA mounting holes on the back. If you attach a wall-mount bracket to the back of your Insignia Roku TV, **the bracket must be securely attached, using all four holes**. If you do not use all four mounting holes, your Insignia Roku TV may fall and cause property damage or personal injury. See the documentation that came with your wall mount for complete mounting instructions.
- Your Insignia Roku TV is intended to be supported by a UL Listed wall mount bracket with suitable weight/load. (See Miscellaneous on page 77.)

1 Carefully place your Insignia Roku TV face-down on a cushioned, clean surface to protect the screen.

32-inch model

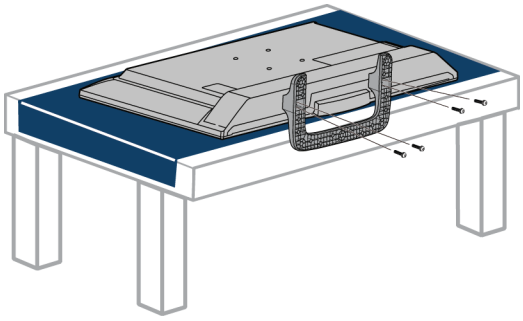


55-inch model

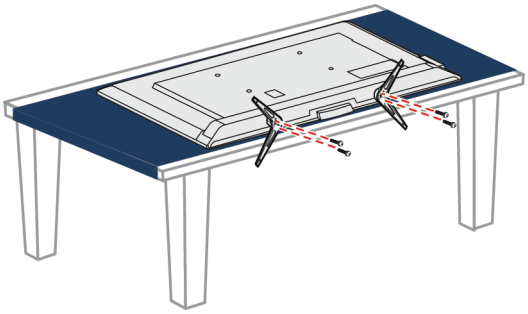


2 If the TV stand(s) is installed, remove the four screws that secure the stand(s) to your Insignia Roku TV.

32-inch model



55-inch model



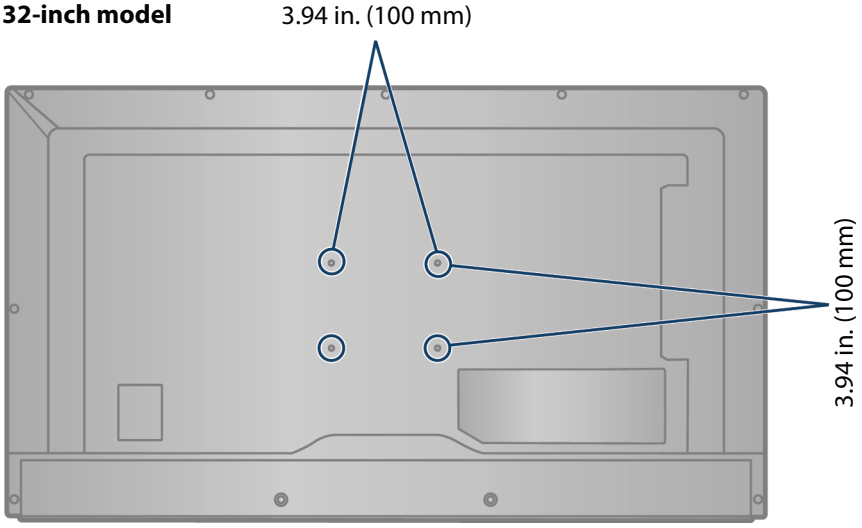
3 Remove the screws from the mounting holes on the back of your Insignia Roku TV.

4 Attach the wall-mount bracket to your Insignia Roku TV using the mounting holes on the back of your Insignia Roku TV. See the instructions that came with the wall-mount bracket for information about how to correctly hang your Insignia Roku TV.

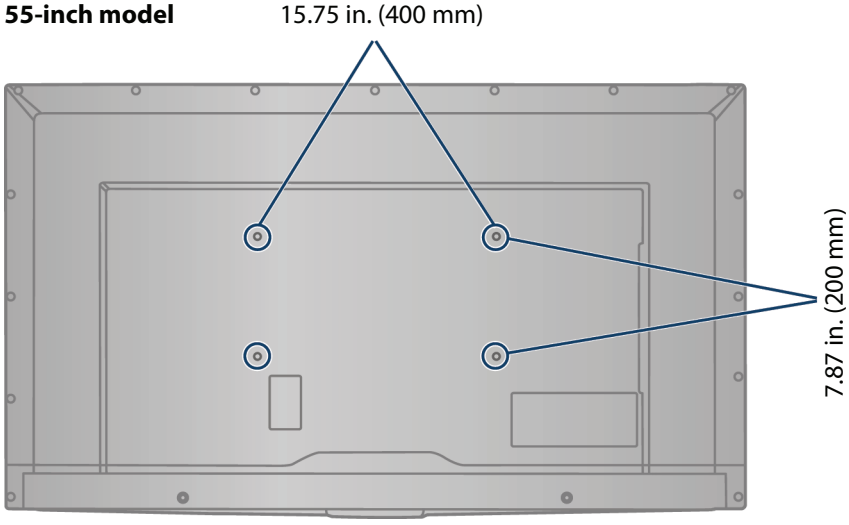
Notes

- The length of the wall-mount screws vary depending on the wall-mount bracket you purchased. See the instructions that came with the wall-mount bracket for screw lengths.
- The mounting holes on the back of the 32-inch model take type M4 screws.
- The mounting holes on the back of the 55-inch model take type M6 screws.

32-inch model



55-inch model



TV components

Your Insignia Roku TV has built-in controls for adjusting basic settings and several sets of jacks for connecting devices to your Insignia Roku TV.

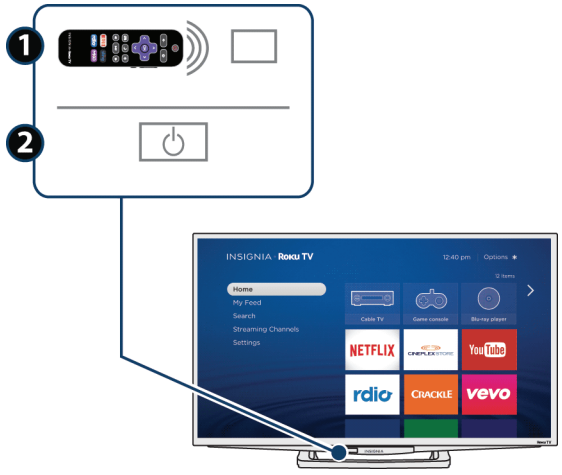
This section contains information about:

- Package contents
- Front features
- Buttons
- Side jacks
- Back jacks
- Insignia Roku TV remote control

Package contents

- 32" or 55" LED Insignia Roku TV
- Remote control and batteries (2 AAA)
- 32-inch model: TV stand (1)
- 55-inch model: TV stands (2)
- Screws (4)
- Power cord
- *Quick Setup Guide*
- *Important Information*

Front features



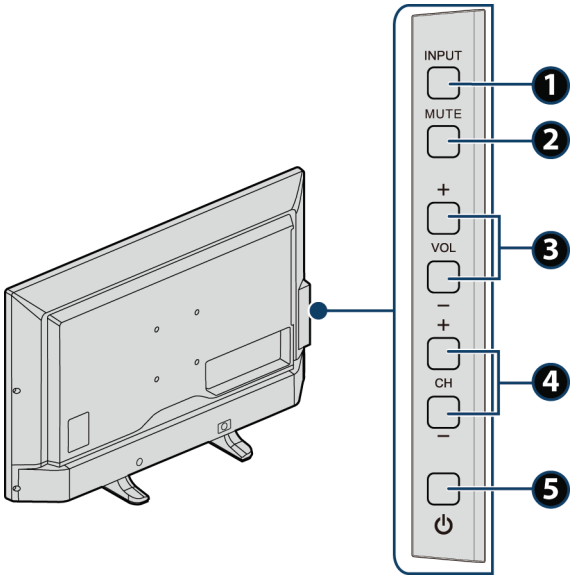
#	Item	Description
1	Remote control sensor	Receives signals from the remote control. Do not block.
2	Status indicator	See Status indicator on page 10.

Status indicator

TV condition	Status indicator	Meaning
On (screen is active)	Off	Screen is communication that your Insignia Roku TV is on.
Screensaver (screen is active)	Off	Screen is communication that your Insignia Roku TV is on.
Off (no power)	Off	Your Insignia Roku TV does not have power.
Off (standby)	On	Your Insignia Roku TV has power and is ready to use.
Starting up from off state	Slow pulsing blink until start up completes	Your Insignia Roku TV is doing something.
On (receiving update from USB)	Slow pulsing blink until update completes	Your Insignia Roku TV is doing something.
Remote control command received	Dims on/off once	Your Insignia Roku TV is receiving your command.
Powering down to standby mode	Slow pulsing blink until your Insignia Roku TV reaches standby.	Your Insignia Roku TV is doing something.

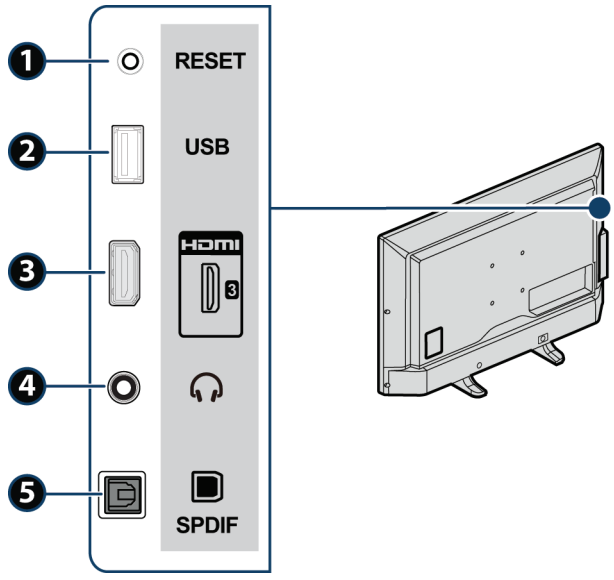
Buttons

The controls on your Insignia Roku TV enable you to perform simple functions, but are not a substitute for the remote control. Your Insignia Roku TV has seven buttons on the right edge of the screen. From top to bottom, they perform the following functions:



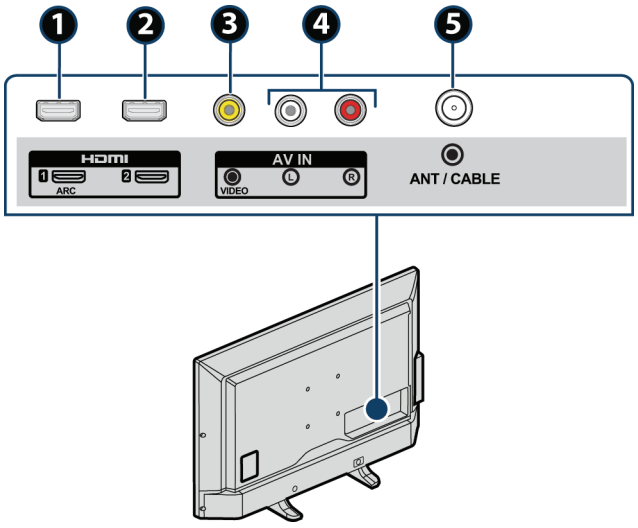
#	Item	Press to...
1	INPUT	Select among the configured TV inputs. Each press moves down one item. Also, while the Input panel is visible, the **CH+** and **CH–** buttons move the highlight up and down. Pausing for a few moments selects the highlighted input.
2	MUTE	Mute or unmute the sound.
3	VOL+/VOL–	Press to increase or decrease the volume. OR Press to go to the next or previous menu in the on-screen menus.
4	CH+/CH–	Go to the next or previous channel in the channel list. For more information, see Watching broadcast TV channels on page 45. OR Move the highlighted item up down in the current menu.
5	⏻ (power)	Press to turn your Insignia Roku TV on or off (standby mode). **Warning:** When your Insignia Roku TV is off, power still flows through it. To completely disconnect power, unplug the power cord.

Side jacks



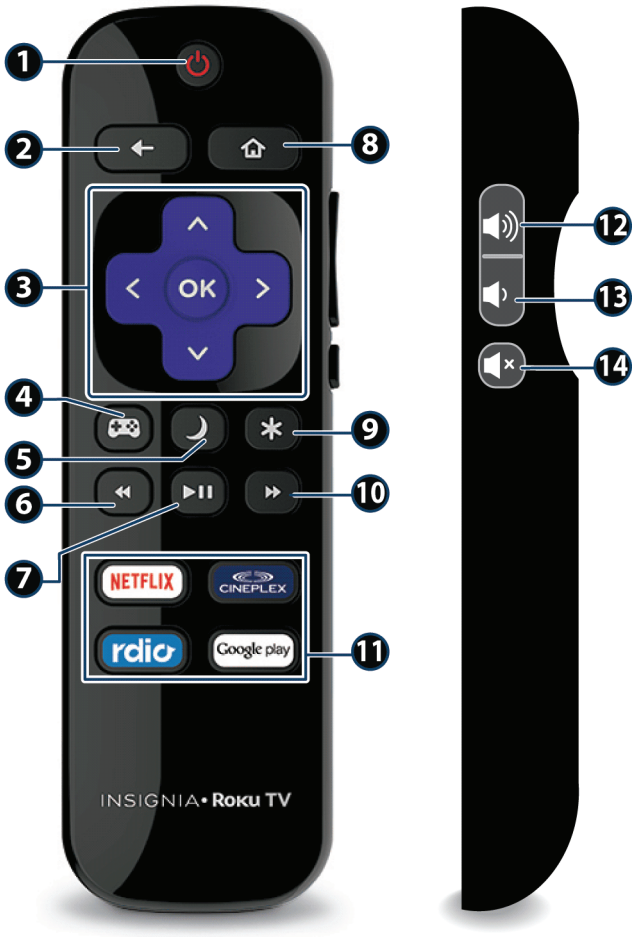
#	Item	Description
1	RESET	Press and hold reset for 15 seconds for factory reset. See What if I can't access the Factory Reset option? on page 65.
2	USB	Connect a USB flash drive to this jack to view compatible photos and video and listen to music files. For more information, see Connecting a USB flash drive on page 25 and Playing content from USB storage devices on page 47.
3	HDMI 3	Connect an HDMI device to this jack. For more information, see HDMI (best) on pages 16, 20, or 22 or Connecting a computer on page 24.
4	🎧	Connect headphones to this jack. See Connecting headphones on page 26. OR Connect an analog sound bar, speaker system, or home theater system to this jack to listen to TV audio through external speakers. For more information, see Analog audio on page 29.
5	SPDIF	Connect a digital sound bar, speaker system, or home theater system to this jack to listen to TV audio through external speakers. For more information, see Digital audio using the SPDIF jack on page 27.

Back jacks



#	Item	Description
1	HDMI1/ARC	Connect an HDMI device to this jack. For more information, see HDMI (best) on pages 16, 20, or 22 or Connecting a computer on page 24. OR Connect an ARC-enabled home theater receiver to this jack. For more information, see Digital audio using the HDMI 1/ARC jack on page 28.
2	HDMI 2	Connect an HDMI device to this jack. For more information, see HDMI (best) on pages 16, 20, or 22 or Connecting a computer on page 24.
3	VIDEO	Connect the video for an AV device to the **VIDEO** jack. For more information, see AV (composite video) (good) on page 17, 21, or 23.
4	L and R (audio)	Connect the audio for an AV device to these jacks. For more information, see AV (composite video) (good) on page 17, 21, or 23.
5	ANT/CABLE IN	Connect an antenna or cable TV to this jack. For more information, see Coaxial (good) on page 18 or Connecting an antenna or cable TV (no box) on page 19.

Insignia Roku TV remote control



#	Button	Description
1	⏻ (power)	If your Insignia Roku TV is in Standby mode, turns power on. If your Insignia Roku TV is on, puts your Insignia Roku TV in Standby mode.
2	← (back)	The action depends on what you are doing with your Insignia Roku TV: **Menu**—Goes back to previous menu or screen. **Home screen tile**—Moves highlight back to the Home menu option. **Watching Antenna TV or a TV input**—Returns to the screen from which the input was selected. **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.
3	^ v < > and **OK**	^—Moves the highlight up one item. v—Moves the highlight down one item. <—Moves the highlight left, if possible (if a < hint appears). When watching TV, displays your channel list. When playing most streaming videos, skips backward in the video. >—Moves the highlight to the right, if possible (if a > hint appears). When watching TV with the channel list displayed, dismisses the channel list. When playing most streaming videos, skips forward in the video. **OK**—Selects the highlighted option. When watching TV, this button displays information for the current TV program.
4	(Game Mode)	First press displays a banner showing the current Game mode, if applicable, or **Not available at this time**. Subsequent presses toggle Game mode. When **On**, your Insignia Roku TV performs less image processing and has less input lag. When **Off**, your Insignia Roku TV performs more image processing and has more input lag, which is less desirable for action games. **Note:** Available only for HDMI and AV inputs.
5	(sleep)	First press displays a banner showing the remaining sleep time, if any, or **Sleep timer is off**. Subsequent presses cycle among the preset sleep time intervals: **30 minutes**, **1 hour**, **1.5 hours**, **2 hours**, and **3 hours**. Once set, the Sleep timer remains in effect regardless of what you are watching.
6	◀◀ (rewind)	When playing streaming video that supports this feature: • First press rewinds at 1x speed. • Second press rewinds at 2x speed. • Third press rewinds at 3x speed. • Subsequent presses cycle through 1x, 2x, and 3x rewind speed. When playing streaming audio, jumps to the previous track/selection. When any menu, tile, or channel in the channel list is highlighted, jumps up one page. When using a virtual keyboard, jumps to the character at the top of the current column.
7	▶II (play/pause)	When playing streaming content, alternately pauses and plays the content.
8	⌂ (home)	Immediately returns to the Home screen menu.
9	* (options)	Displays an *Options* menu, but only when the **Options** * hint in the upper right corner of the screen is not dimmed. The menu you see varies depending on what you are doing with your Insignia Roku TV. Also, in most cases, pressing * while video is playing displays an *Options* menu over part of the screen where you can adjust various picture and sound settings.

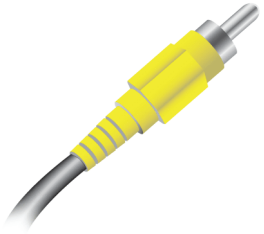
#	Button	Description
10	▶▶	When playing streaming video that supports this feature: • First press fast forwards at 1x speed. • Second press fast forwards at 2x speed. • Third press fast forwards at 3x speed. • Subsequent presses cycle through 1x, 2x, and 3x fast forward speed. When playing streaming audio, jumps to the next track/selection. When any menu, tile, or channel in the channel list is highlighted, jumps down one page. When using a virtual keyboard, jumps to the character at the bottom of the current column.
11	FEATURED CHANNEL SHORTCUT	Dedicated buttons show the logo of a featured streaming content provider. Pressing a button turns your Insignia Roku TV on (if your Insignia Roku TV is not already on), and if your Insignia Roku TV is operating and is connected to the Internet, performs one of the following actions: • 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 so that you can agree to any terms and fees for the service.
12	(volume up)	Turns volume up one setting with each press. Press and hold to turn volume up rapidly. A volume indicator shows the volume level while you are adjusting the volume and for a few seconds afterward. **Note:** If your Insignia Roku TV is muted, pressing unmutes the sound.
13	(volume down)	Turns volume down one setting with each press. Press and hold to turn volume down rapidly. A volume indicator shows the volume level while you are adjusting the volume and for a few seconds afterward. **Note:** If your Insignia Roku TV is muted, pressing does not unmute the sound.
14		Mutes and unmutes the TV sound. A volume indicator shows the current volume level and a mute icon when you press and for a few seconds afterward. If **Closed captioning** is set to **When Mute**, captions are displayed while your Insignia Roku TV is muted.

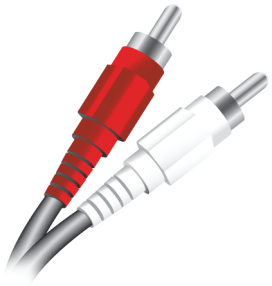
What connection should I use?

Your Insignia Roku TV has several connection types for connecting devices to your Insignia Roku TV.

For the best video quality, you should connect a device to the best available connection.

Use the following tables to identify cables:

Video quality	Connection type and jack	Cable connector
Best (use this if your devices have HDMI)	HDMI video/audio	
Good	AV (composite video) (requires an audio connection)	
Good	Coaxial video/audio	

Connection type and jack	Cable connector
SPDIF optical digital audio output	
Analog audio input	
3.5mm analog audio output	

Cautions

- Check the jacks for position and type before making any connections.
- Loose connections can cause poor audio or video quality. Make sure that all connections are tight and secure.
- The external audio/video devices shown may be different from your devices. If you have questions, refer to the documentation that came with your devices.
- Always turn off your Insignia Roku TV when connecting external devices.

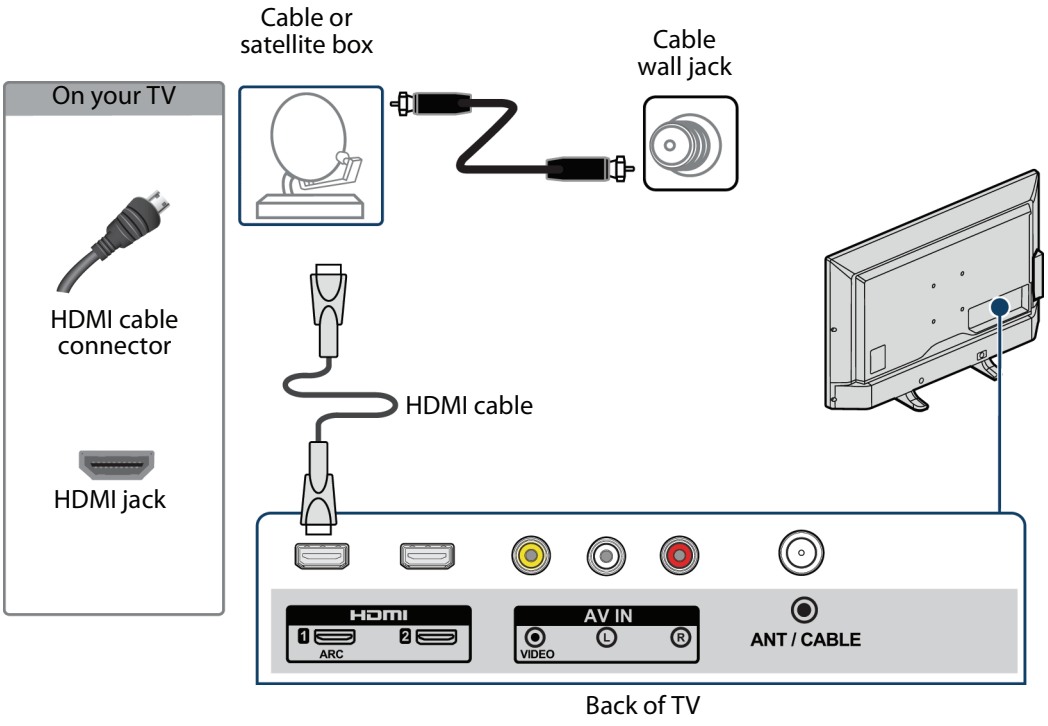
Connecting a cable or satellite box

Many cable or satellite TV boxes have more than one connection type. To get the best video, you should use the best connection type available. For more information, see What connection should I use? on page 15.

You can connect your cable or satellite box using:

- HDMI (best)
- AV (composite video) (good)
- Coaxial (good)

HDMI (best)



Back of TV

1. Make sure that your Insignia Roku TV's power cord is unplugged and all connected devices are turned off.
2. Connect the incoming cable from the cable wall jack to the cable-in jack on the cable or satellite box.
3. Connect an HDMI cable (not provided) to an **HDMI** jack on the side or back of your Insignia Roku TV and to the **HDMI OUT** jack on the cable or satellite box.
4. Plug your Insignia Roku TV's power cord into a power outlet, turn on your Insignia Roku TV, then turn on the cable or satellite box.
5. On the Home screen, press ^ v < or > to highlight the **HDMI 1**, **HDMI 2**, or **HDMI 3** tile, then press **OK**.

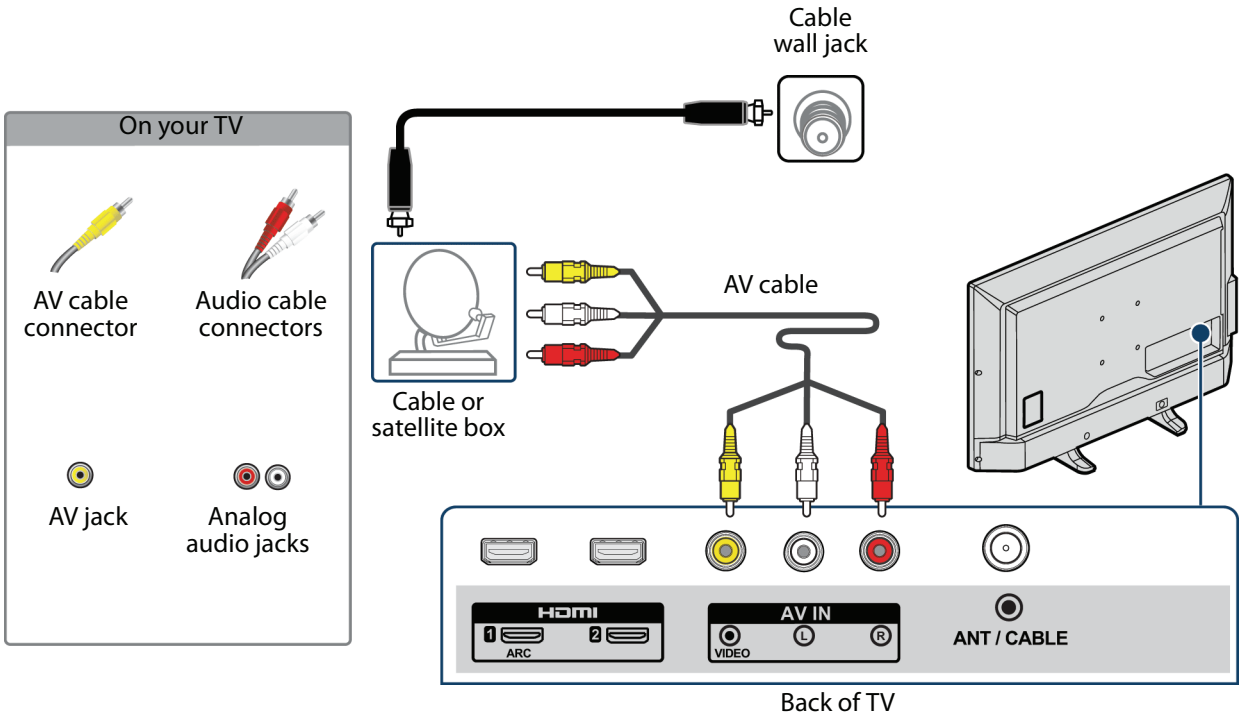
Note

An HDMI cable carries both audio and video. You do not need to use any audio cables.

AV (composite video) (good)

Notes

Cables are often color-coded to match color-coded jacks.



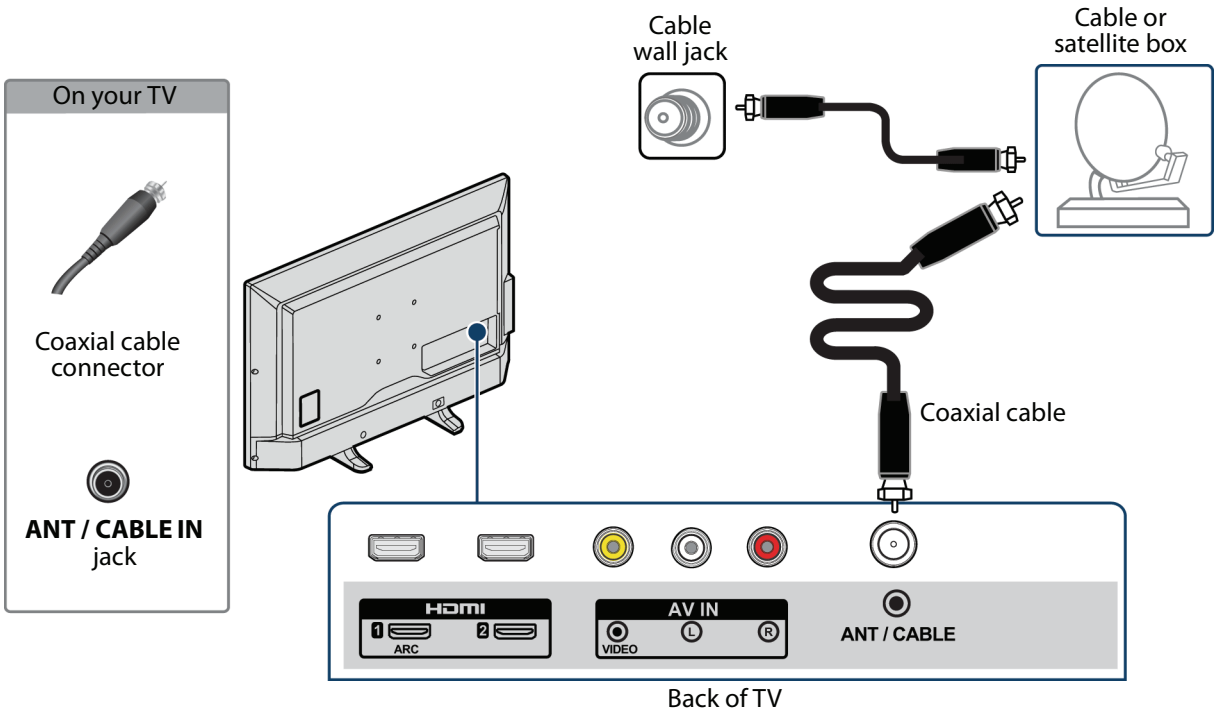
1. Make sure that your Insignia Roku TV's power cord is unplugged and all connected devices are turned off.
2. Connect the incoming cable from the cable wall jack to the cable-in jack on the cable or satellite box.
3. Connect an AV cable (not provided) to the **VIDEO** jack and **L** and **R** (audio) jacks on the back of your Insignia Roku TV and to the AV and audio out jacks on the cable or satellite box.

Note

When you connect the audio using the **L** and **R** (audio) jacks, the audio output is analog.

4. Plug your Insignia Roku TV's power cord into a power outlet, turn on your Insignia Roku TV, then turn on the cable or satellite box.
5. On the Home screen, press ^ v < or > to highlight the **AV** tile, then press **OK**.

Coaxial (good)

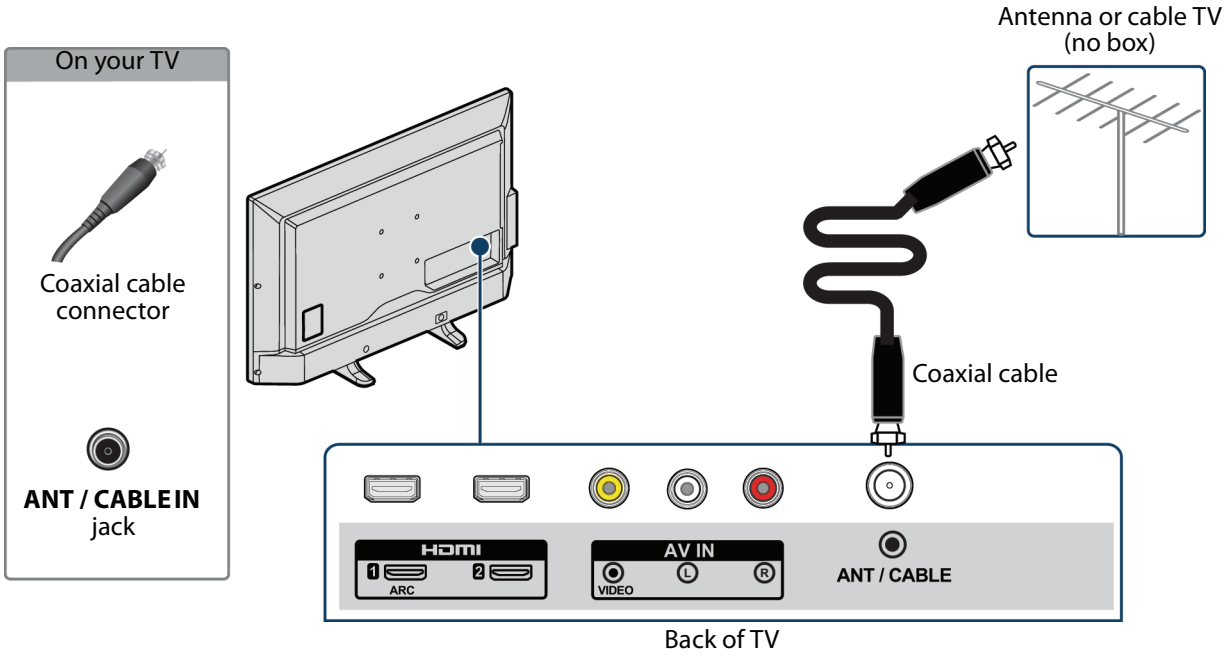


1. Make sure that your Insignia Roku TV's power cord is unplugged and all connected devices are turned off.
2. Connect the incoming cable from the cable wall jack to the cable-in jack on the cable or satellite box.
3. Connect a coaxial cable (not provided) to the **ANT / CABLE IN** jack on the back of your Insignia Roku TV and to the coaxial out jack on the cable or satellite box.
4. Plug your Insignia Roku TV's power cord into a power outlet, turn on your Insignia Roku TV, then turn on the cable or satellite box.
5. Set up the TV tuner to watch broadcast TV. See Setting up Antenna TV on page 42.
6. On the Home screen, press ^ v < or > to highlight the **Antenna TV** tile, then press **OK**.

Notes

- Use a coaxial cable to eliminate interference and noise from radio waves.
- Do not bundle the coaxial cable with the power cord or other cables.

Connecting an antenna or cable TV (no box)



1. Make sure that your Insignia Roku TV's power cord is unplugged and all connected devices are turned off.
2. Connect a coaxial cable (not provided) to the **ANT / CABLE IN** jack on the back of your Insignia Roku TV and to the antenna or cable TV wall jack.
3. Plug your Insignia Roku TV's power cord into a power outlet, then turn on your Insignia Roku TV.
4. On the Home menu, press ^ v < or > the highlight the tile for **Antenna TV**, then press **OK**.
5. Set up the TV tuner to watch broadcast TV. See Setting up Antenna TV on page 42.
6. On the Home screen, press ^ v < or > to highlight the **Antenna TV** tile, then press **OK**.

Notes

- Use a coaxial cable to eliminate interference and noise from radio waves.
- Do not bundle the coaxial cable with the power cord or other cables.
- If the antenna is not installed correctly, contact qualified service personnel to correct the problem.
- If the signal level for a channel is weak, the picture may be distorted. Adjust the antenna or use a highly directional outdoor or set-top antenna with a built-in amplifier.
- If the picture quality is good on some channels and poor on others, the problem may be caused by a poor or weak signal from the broadcaster or cable TV provider.
- If you connect to cable TV without a set-top box and experience poor picture quality, you may need to install a set-top box to improve signal reception and picture quality. Contact your cable TV provider about upgrading to a set-top box.
- Many high-definition (HD) channels upscale standard-definition (SD) content. The picture displayed on your TV is still displayed as SD, thus the picture quality will not be as clear or crisp as it would be if the content was originally recorded in HD.

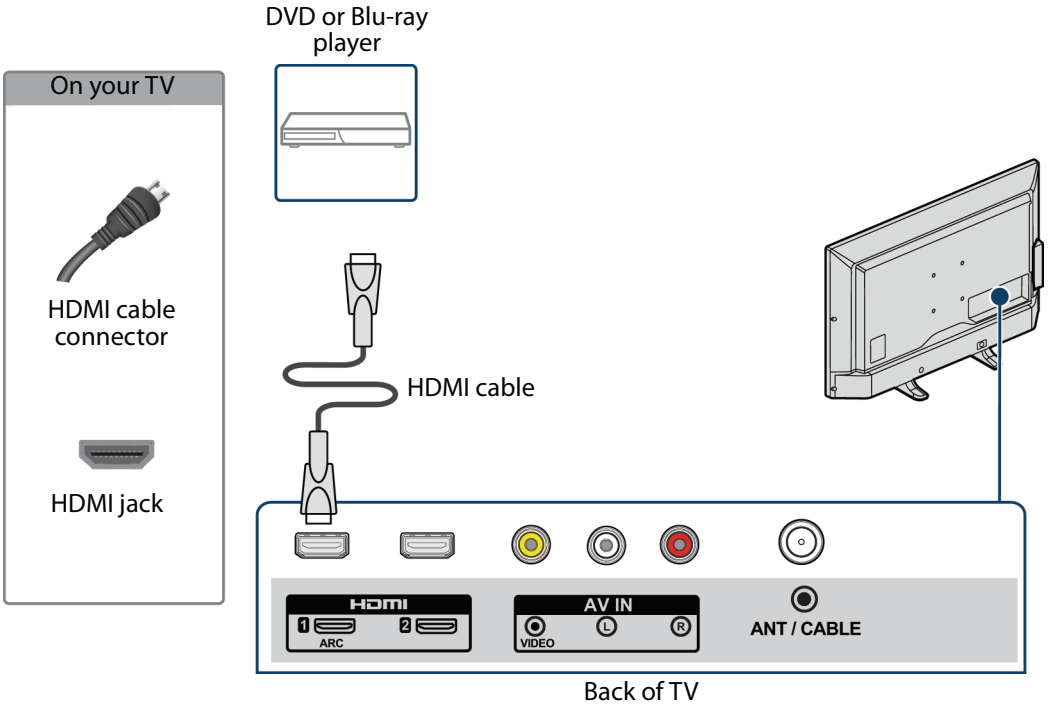
Connecting a DVD or Blu-ray player

Many DVD or Blu-ray players have more than one connection type. To get the best video, you should use the best connection type available. For more information, see What connection should I use? on page 15.

You can connect a DVD or Blu-ray player using:

- HDMI (best)
- AV (composite video) (good)

HDMI (best)



1. Make sure that your Insignia Roku TV's power cord is unplugged and the DVD or Blu-ray player is turned off.
2. Connect an HDMI cable (not provided) to an **HDMI** jack on the side or back of your Insignia Roku TV and to the **HDMI OUT** jack on the DVD or Blu-ray player.
3. Plug your Insignia Roku TV's power cord into a power outlet, then turn on your Insignia Roku TV and DVD or Blu-ray player.
4. On the Home screen, press ^ v < or > to highlight the **HDMI 1**, **HDMI 2**, or **HDMI 3** tile, then press **OK**.

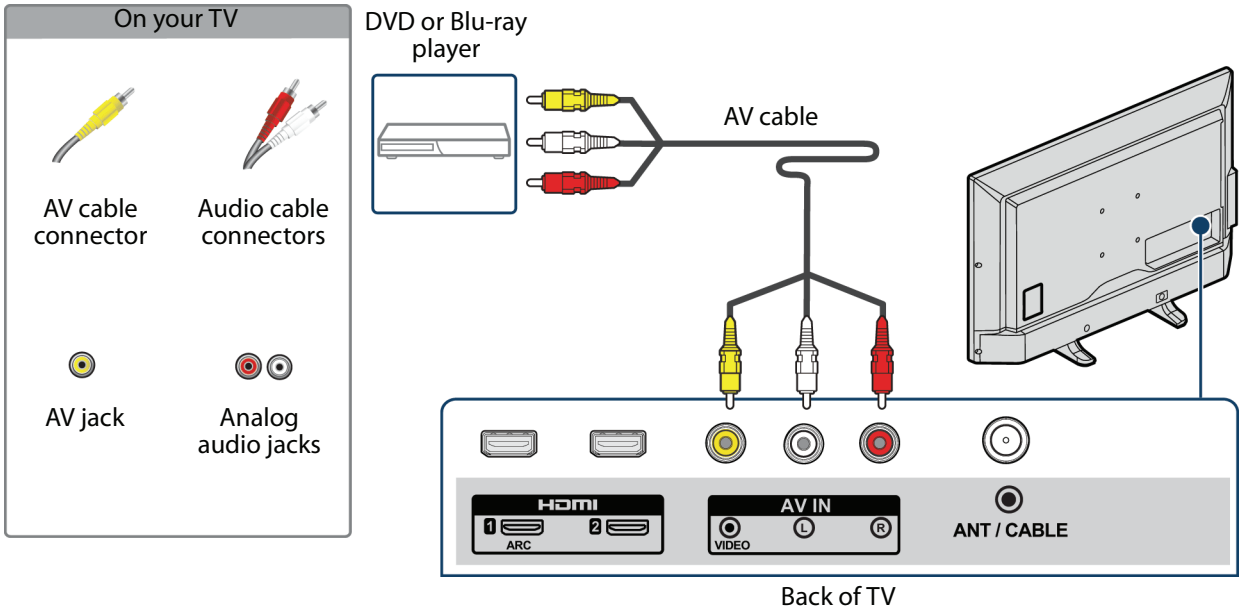
Note

An HDMI cable carries both audio and video. You do not need to use any audio cables.

AV (composite video) (good)

Note

Cables are often color-coded to match color-coded jacks.



1. Make sure that your Insignia Roku TV's power cord is unplugged and the DVD or Blu-ray player is turned off.
2. Connect an AV cable (not provided) to the **VIDEO** jack and **L** and **R** (audio) jacks on the back of your Insignia Roku TV and to the **AV OUT** jacks on the DVD or Blu-ray player.

Note

When you connect the audio using the **L** and **R** (audio) jacks, the audio output is analog.

3. Plug your Insignia Roku TV's power cord into a power outlet, then turn on your Insignia Roku TV and DVD or Blu-ray player.
4. On the Home screen, press ^ v < or > to highlight the **AV** tile, then press **OK**.

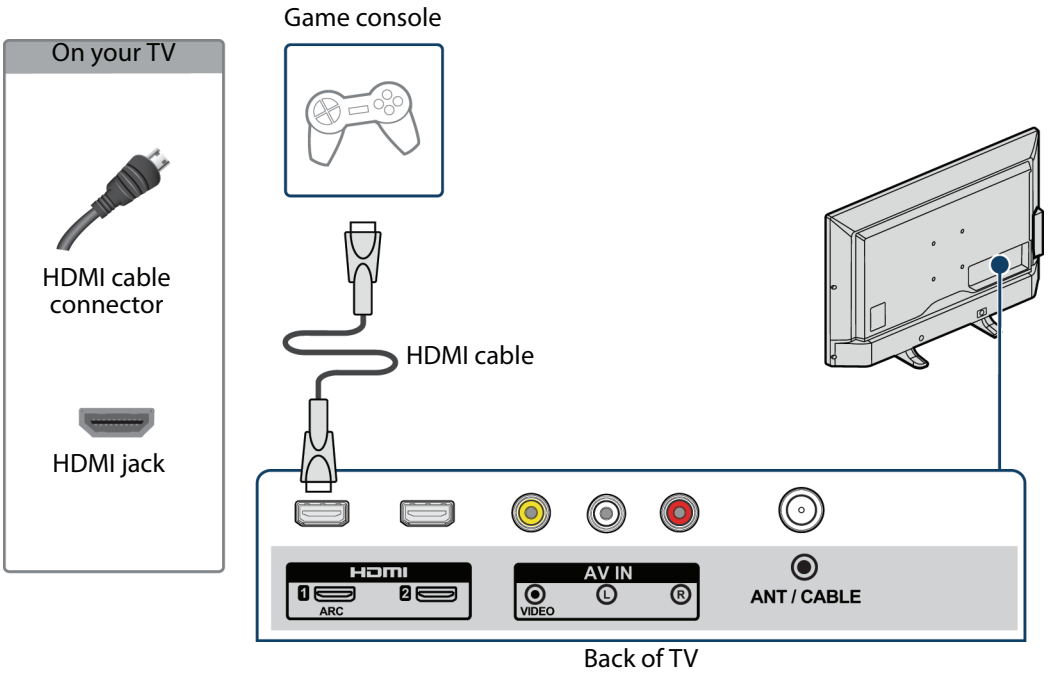
Connecting a game console

Many game consoles have more than one connection type. To get the best video, you should use the best connection type available. For more information, see What connection should I use? on page 15.

You can connect a game console using:

- HDMI (best)
- AV (composite video) (good)

HDMI (best)



1. Make sure that your Insignia Roku TV's power cord is unplugged and the game console is turned off.
2. Connect an HDMI cable (not provided) to an **HDMI** jack on the side or back of your Insignia Roku TV and to the **HDMI OUT** jack on the game console.
3. Plug your Insignia Roku TV's power cord into a power outlet, then turn on your Insignia Roku TV and the game console.
4. On the Home screen, press ^ v < or > to highlight the **HDMI 1**, **HDMI 2**, or **HDMI 3** tile, then press **OK**.

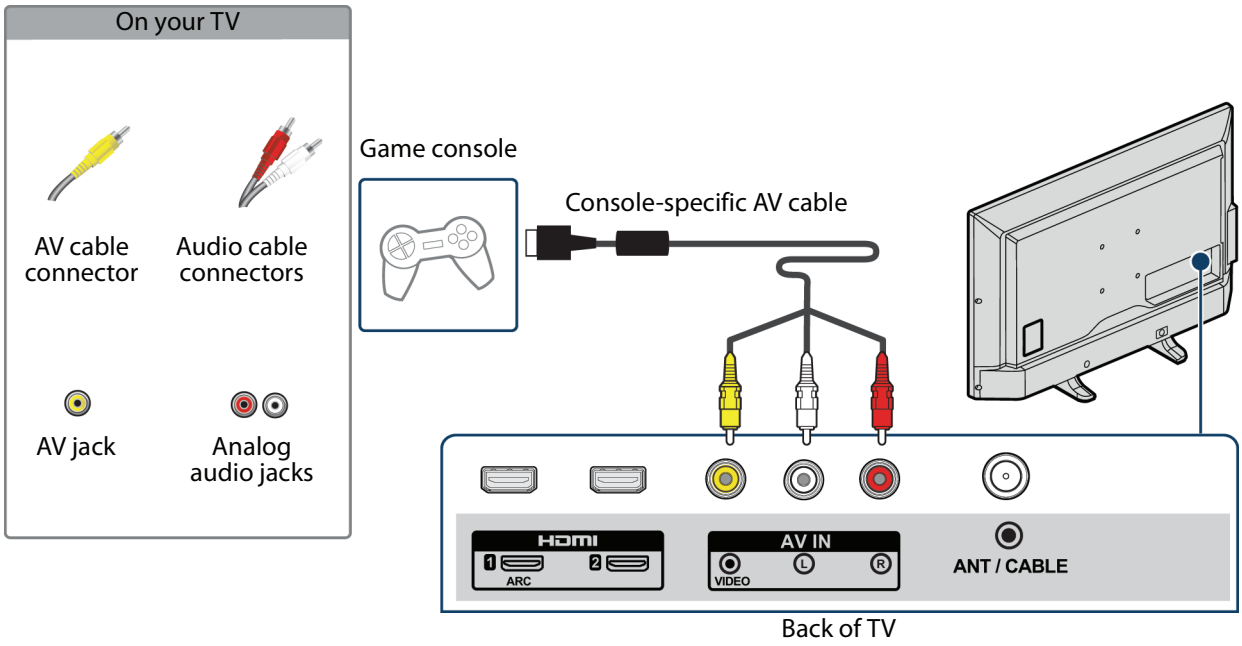
Note

An HDMI cable carries both audio and video. You do not need to use any audio cables.

AV (composite video) (good)

Note

Cables are often color-coded to match color-coded jacks.



1. Make sure that your Insignia Roku TV's power cord is unplugged and the game console is turned off.
2. Connect the game console's AV cable (not provided) to the **VIDEO** jack and **L** and **R** (audio) jacks on the back of your Insignia Roku TV and to the composite jack(s) on the game console.

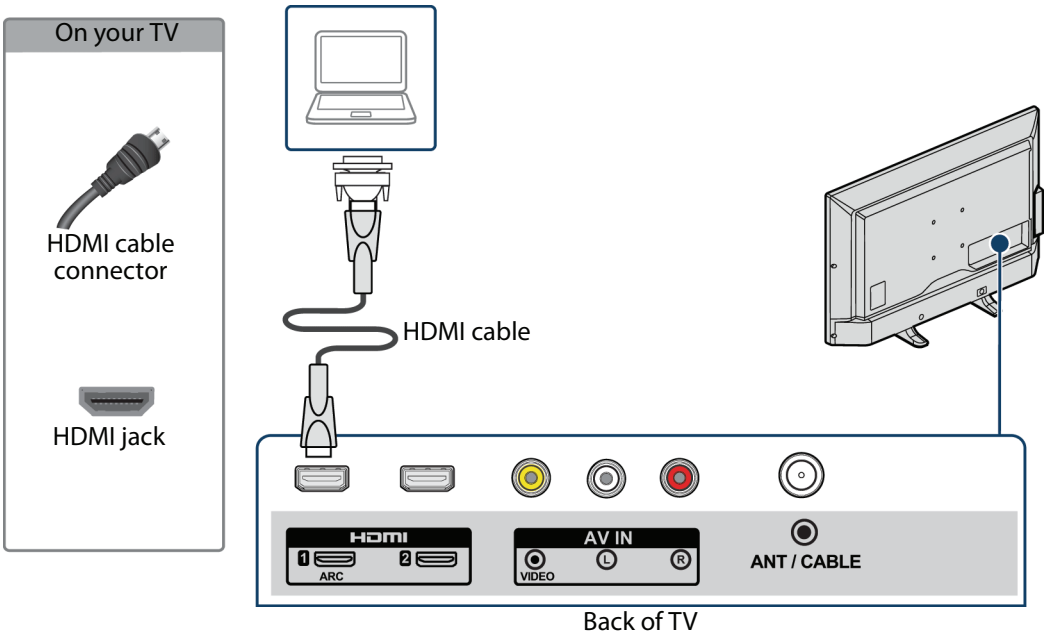
Note

- Most game consoles come with a special AV cable. See the documentation that came with your game console or check the manufacturer's Web site.
- When you connect the audio using the **L** and **R** (audio) jacks, the audio output is analog.

3. Plug your Insignia Roku TV's power cord into a power outlet, then turn on your Insignia Roku TV and the game console.
4. On the Home screen, press ^ v < or > to highlight the **AV** tile, then press **OK**.

Connecting a computer

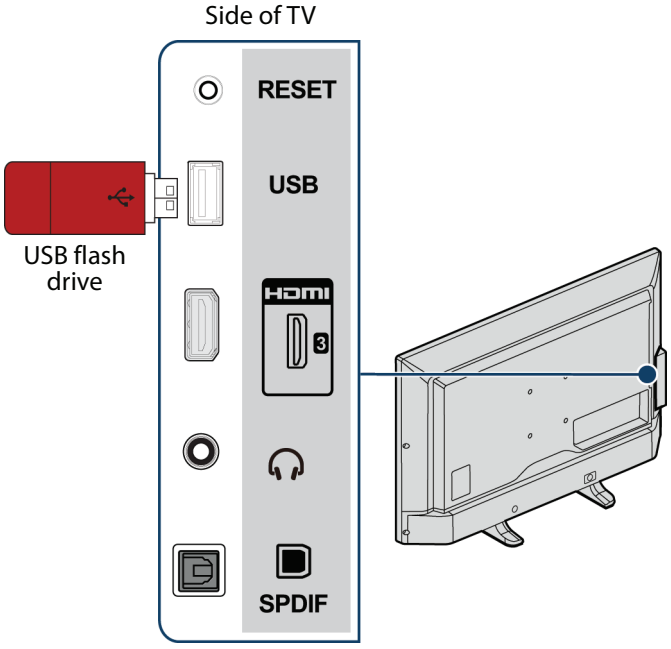
You can use an HDMI jack on your Insignia Roku TV to connect to a computer.



1. Make sure that your Insignia Roku TV's power cord is unplugged and the computer is turned off.
2. Connect an HDMI cable (not provided) to an **HDMI** jack on the side or back of your Insignia Roku TV and to the **HDMI OUT** jack on the computer.
3. Plug your Insignia Roku TV's power cord into a power outlet, then turn on your Insignia Roku TV and the computer.
4. On the Home screen, press ^ v < or > to highlight the **HDMI 1**, **HDMI 2**, or **HDMI 3** tile, then press **OK**.
5. Adjust the display properties on the computer, if necessary.

Connecting a USB flash drive

You can use the USB jack on your Insignia Roku TV to view photos and videos and listen to music stored on a USB flash drive.



1 Plug a USB flash drive into the **USB** port on the side of your Insignia Roku TV.

Caution
Do not remove the USB flash drive or turn off your Insignia Roku TV while using the USB flash drive. You may lose data or damage the USB flash drive.

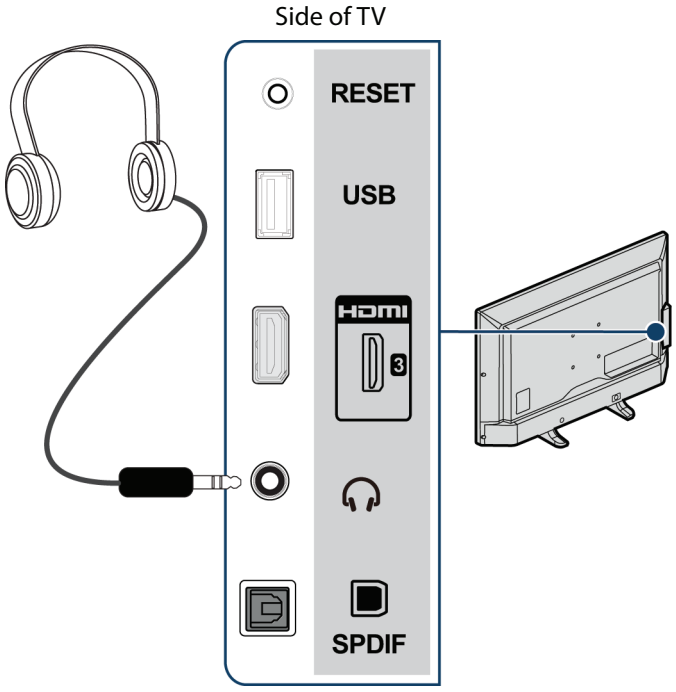
2 Press ▲ or ▼ to highlight the **Roku Media Player** or **USB Media Player** tile, then press **OK**.

Connecting headphones

When you connect headphones, your Insignia Roku TV speakers are muted and sound only plays through the headphones.

Warning

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



- Connect the headphones to the 🎧 jack on the side of your Insignia Roku TV.

Note

You can also connect a home theater system, sound bar, or external speaker system to the 🎧 jack.

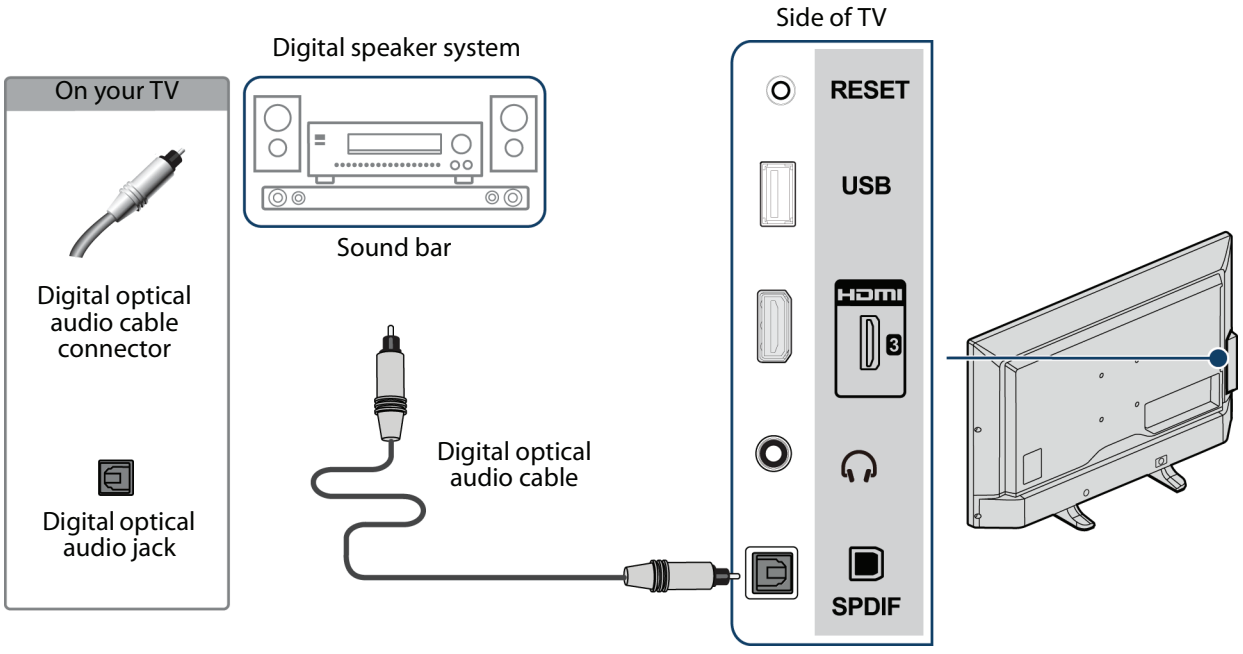
Connecting external speakers or a sound bar

When you connect external speakers or a sound bar, sound plays through your Insignia Roku TV speakers and the external speakers or sound bar.

You can connect external speakers or a sound bar using:

- Digital audio using the SPDIF jack
- Digital audio using the HDMI 1/ARC jack
- Analog audio

Digital audio using the SPDIF jack

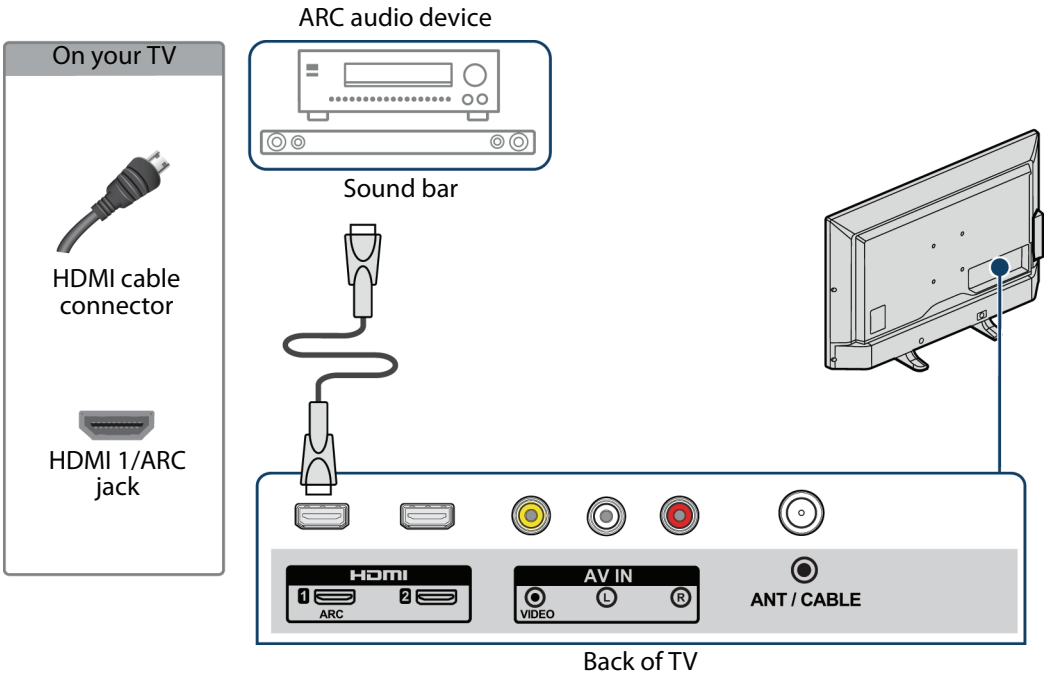


1. Make sure that your Insignia Roku TV's power cord is unplugged and the digital speaker system or sound bar is turned off.
2. Connect a digital optical audio cable (not provided) to the **SPDIF** jack on the side of your Insignia Roku TV and to the digital optical **AUDIO IN** jack on the digital speaker system or sound bar.
3. Plug your Insignia Roku TV's power cord into a power outlet, then turn on your Insignia Roku TV.
4. Turn on the digital speaker system or sound bar, then set it to the correct source. For more information, see the documentation that came with the digital speaker system or sound bar.
5. To turn off your Insignia Roku TV speakers, on the Home menu, press ^ or v to highlight **Settings**, then press **OK**. Highlight **Audio**, then press **OK**. Highlight **TV speakers**, then press **OK**. Press **OK** to remove the check from the **TV speakers enabled** check box.

Digital audio using the HDMI 1/ARC jack

Your Insignia Roku TV can send sound to an ARC device, like an AV receiver, to create a home theater that uses two or more speakers.

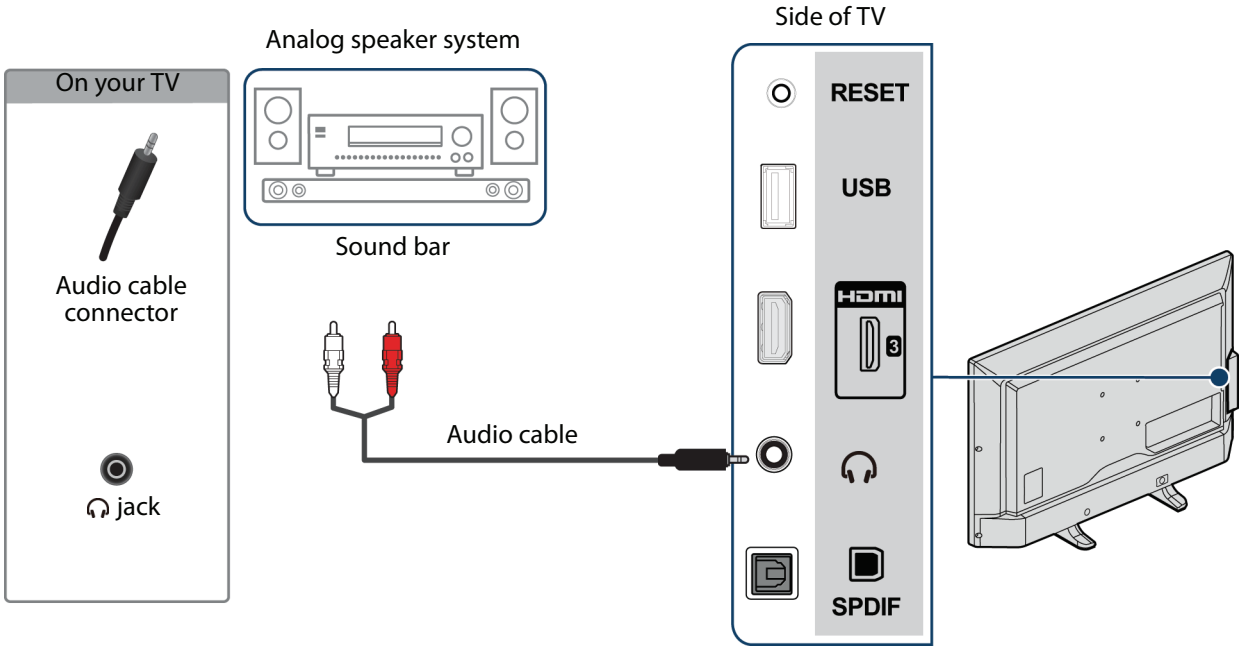
When you connect external speakers or a sound bar, sound plays through your Insignia Roku TV speakers and the external speakers or sound bar.



1. Make sure that your Insignia Roku TV's power cord is unplugged and the digital speaker system or sound bar is turned off.
2. Connect an HDMI cable (not provided) to the **HDMI 1/ARC** jack on the back of your Insignia Roku TV and to the **HDMI IN** jack on the digital speaker system or sound bar.
3. Plug your Insignia Roku TV's power cord into a power outlet, then turn on your Insignia Roku TV.
4. Turn on the digital speaker system or sound bar, then set it to the correct source. For more information, see the documentation that came with the digital speaker system or sound bar.
5. To turn off your Insignia Roku TV speakers, on the Home menu, press ^ or v to highlight **Settings**, then press **OK**. Highlight **Audio**, then press **OK**. Highlight **TV speakers**, then press **OK**. Press **OK** to remove the check from the **TV speakers enabled** check box.
6. To configure the **HDMI 1/ARC** jack to output sound to an ARC device, on the Home menu, press ^ or v to highlight **Settings**, then press **OK**. Highlight **System**, then press **OK**. Highlight **Control other devices (CEC)**, then press **OK**. Highlight **HDMI ARC**, then press **OK** to check the box.

Analog audio

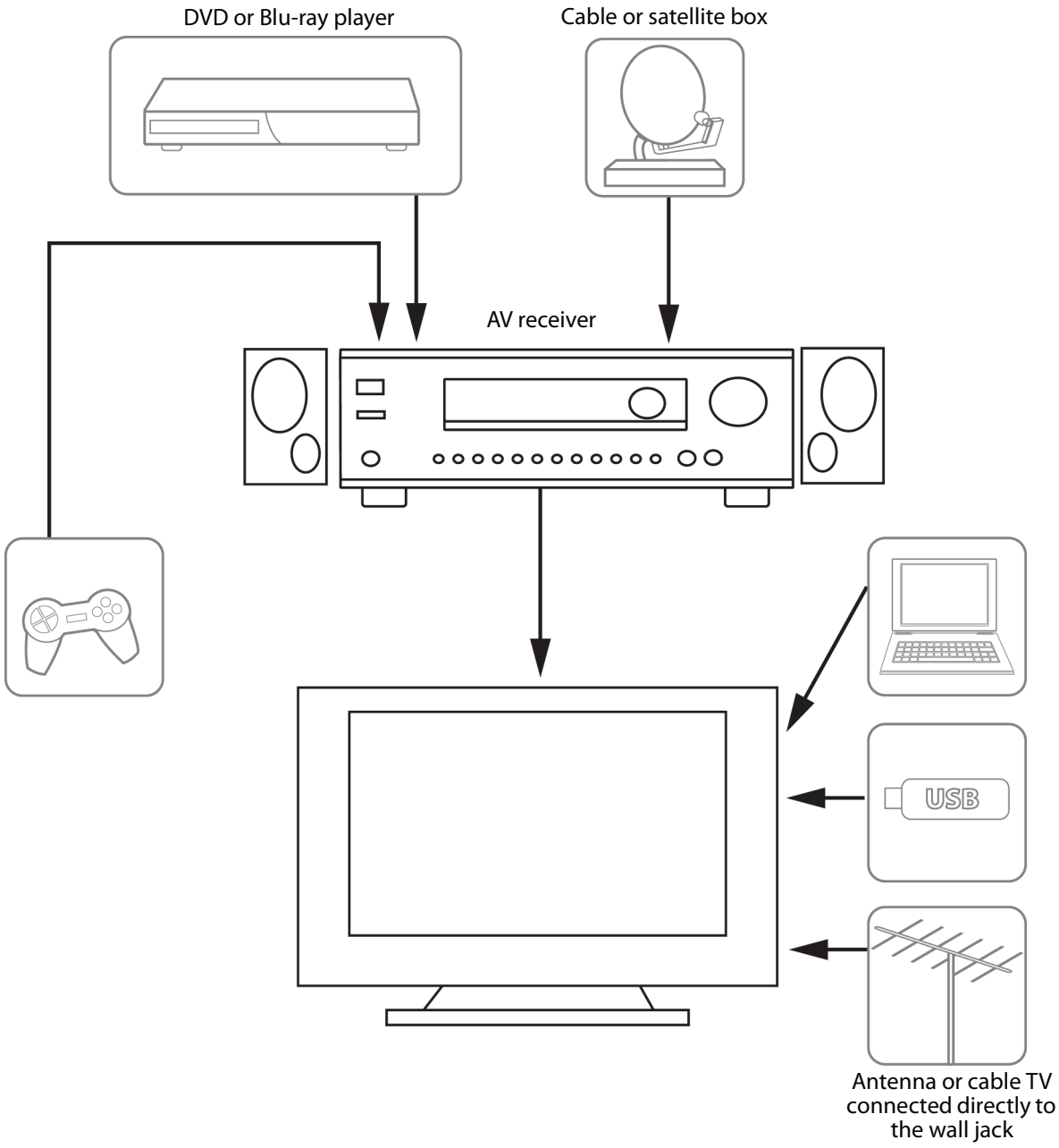
When you connect an analog system or sound bar to the 🎧 jack, your Insignia Roku TV speakers are muted.



1. Make sure that your Insignia Roku TV's power cord is unplugged and the analog speaker system or sound bar is turned off.
2. Connect an audio cable (not provided) to the 🎧 jack on the side of your Insignia Roku TV and to the **AUDIO IN** jacks on the analog speaker system or sound bar.
3. Plug your Insignia Roku TV's power cord into a power outlet, then turn on your Insignia Roku TV.
4. Turn on the analog speaker system or sound bar, then set it to the correct source. For more information, see the documentation that came with the analog speaker system or sound bar.

Connecting a home theater system with multiple devices

You can connect an AV receiver and your devices to create a home theater.



The connections you make depend on the video and audio jacks available on your devices. Refer to the documentation that came with your devices for connection information.

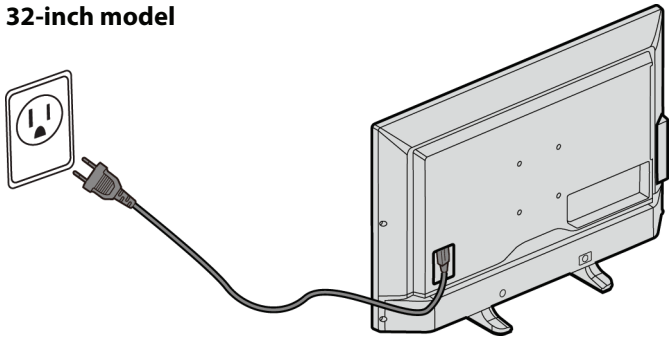
Just remember to use the best connection types available for the best picture and sound. For information about connection types, see What connection should I use? on page 15.

For information about TV settings for home theaters, see Using your Insignia Roku TV in a home theater on page 62.

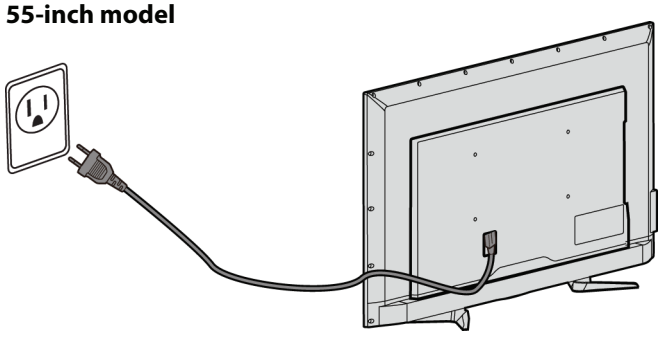
Connecting power

You should connect devices **before** you connect the power cord. When you are adding devices, make sure that the power cable is unplugged from the power outlet.

32-inch model



55-inch model



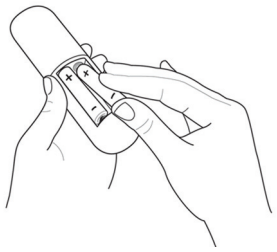
1. Connect the AC power cord to the power connector on the back of your Insignia Roku TV.
2. Connect the other end of the cord to a power outlet.

Caution

- Your Insignia Roku TV should only be operated from the power source indicated on the label.
- Always unplug the power cord from the power outlet when you will not be using your Insignia Roku TV for an extended period of time.

Installing remote control batteries

Open the back of your Insignia Roku TV remote control and insert two AAA batteries, observing the proper orientation. Reattach the back cover.



Insignia Roku TV remote control on page 13 explains how to use the remote control in each of your Insignia Roku TV's operating modes.

Cautions

- Batteries should not be exposed to excessive heat, such as sunshine, heat registers, or fire.
- Battery chemicals can cause a rash. If the batteries leak, clean the battery compartment with a cloth. If chemicals touch your skin, wash immediately.
- Make sure that batteries are disposed of correctly. Do not burn or incinerate.

Notes

- Do not mix batteries of different types.
- Do not mix old and new batteries.
- Remove batteries when the charge is depleted.
- If the remote control is not going to be used for an extended period of time, remove the batteries.

Aiming the remote control

- Point the remote control towards the remote sensor on the front of your Insignia Roku TV.



Guided Setup

With the preliminaries out of the way, it's time to turn on your Insignia Roku TV. As your Insignia Roku TV starts for the first time, it leads you through Guided Setup, which configures your Insignia Roku 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 Insignia Roku TV to your Roku account.
- Connect devices such as a DVD player, game console, or cable box.

Note

Guided Setup only runs the first time you turn on your Insignia Roku TV. If you need to run Guided Setup again, you'll have to perform a factory reset, as explained in Factory reset everything on page 64.

Starting Guided Setup

To start Guided Setup, press the **POWER** button on the remote control to turn on your Insignia Roku TV.

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

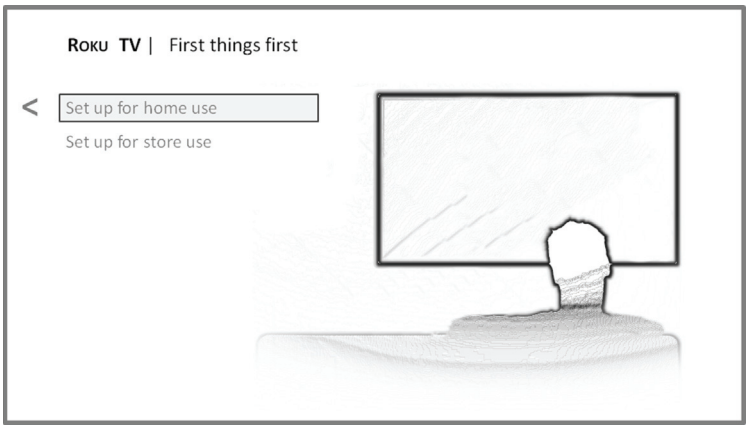
1. The status light blinks every time your Insignia Roku TV is busy doing something; in this case it's powering up and getting ready for you.
2. The power-on screen appears and the status light blinks slowly for a few more seconds. The power-on screen displays an Insignia Roku TV logo while your Insignia Roku TV starts up.
3. After a few seconds, Guided Setup starts:



Setting up your Insignia Roku TV

With the first Guided Setup screen on your Insignia Roku TV, follow these steps to set it up:

1 Press **OK** or **RIGHT** on the remote control to go to the next screen:

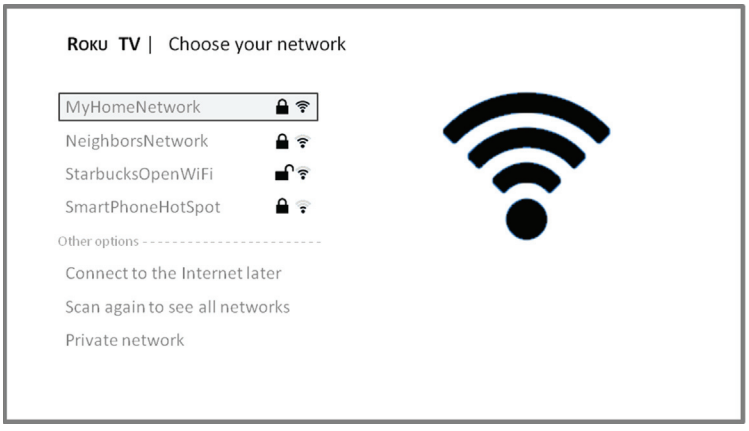


2 Press **OK** to select **Set up for home use**. Home mode is the right choice for enjoying your Insignia Roku TV. It provides energy saving options as well as access to all features of your Insignia Roku TV.

Note

Store mode configures your Insignia Roku TV for retail display and is not recommended for any other use. In store mode, some features of your Insignia Roku TV are missing or limited. To switch from one mode to the other, you have to perform a factory reset as explained in Factory reset everything on page 64, and then repeat Guided Setup.

After you select **Set up for home use**, your Insignia Roku 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, your Insignia Roku TV might pick up signals from your neighbors.



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

Other options:

- **Connect to the Internet later** —If you're unable to connect to the Internet, that's OK. You can skip this step and use your Insignia Roku TV to watch broadcasts, play games, and watch DVDs. If you want to connect later, it's easy. We'll show you how in Benefits of connecting on page 40. Connecting your Insignia Roku TV enables you to choose from thousands of streaming channels so your Insignia Roku TV really wants you to connect, and will try a couple more times to convince you that connecting is a good idea.

  Note

  If you decide not to connect, Guided Setup skips ahead to setting up the devices that you've connected to your Insignia Roku TV. See Non-connected Insignia Roku TV Home screen on page 40 to get started using your non-connected Insignia Roku TV.

- **Scan again / Scan again to see all networks**—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 your Insignia Roku TV, turn on your router, or make other changes. When everything is ready, select **Scan again** to see if your network name now appears in the list.
  - **Scan again to see all networks** appears if your Insignia Roku TV finds more than seven wireless networks, because your Insignia Roku TV initially displays only the strongest seven networks. 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."

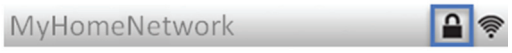
  Note

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

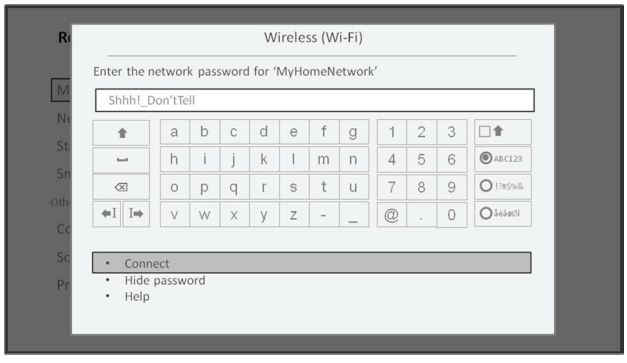
- **Private network**—If your wireless network name is hidden, it won't appear in the list. Select **Private network** to display an on-screen keyboard, and use it to enter your network name. Unless you changed the factory-set network name, you can find the name (also called SSID) on a label on the router.

  Tip

  Wireless networks that are password-protected display a "padlock" icon adjacent to the name.

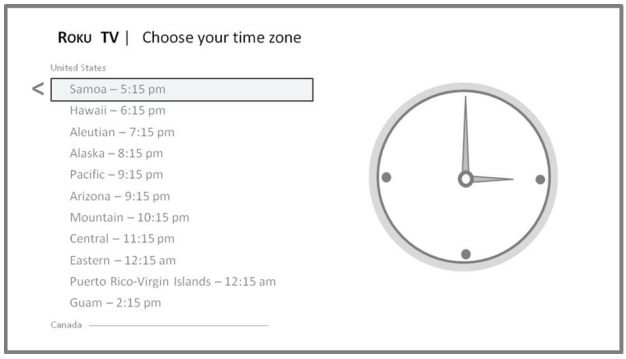
  

4 If your network is password-protected, an on-screen keyboard appears. Use the keyboard to enter the network password.



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

6 Your Insignia Roku TV needs to know the local time zone so that it can correctly display time information about the program you are currently watching. If your Insignia Roku TV is unable to automatically determine the local time zone, it prompts you to choose your time zone from a list. Use the **UP** or **DOWN** buttons to highlight your time zone, and then press **OK**.

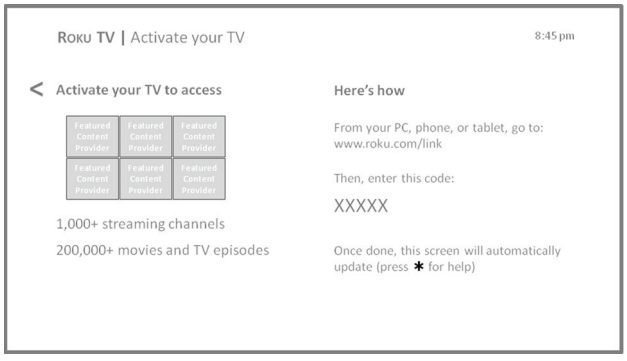


7 As soon as your Insignia Roku TV is able to connect to the Internet, it downloads and installs its first software update, and then restarts.

Tips

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

After your Insignia Roku TV restarts, it displays the *Activation* screen:



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

After you log in or create your Roku account, your Insignia Roku TV gets an acknowledgement and adds your preexisting streaming channels, if any, to your Insignia Roku TV. This process is automatic and takes a few moments-a little longer if you already have a lot of streaming channels to add.

Tip

Streaming channels from all Roku devices associated with your account are synchronized periodically, so all of your Roku devices have the same streaming channels (subject to compatibility with the device).

Note

Channel availability is subject to change and not all content is available in countries or regions where Roku products are sold.

Why do I need a Roku Account?

You need a Roku Channel Store account for several reasons.

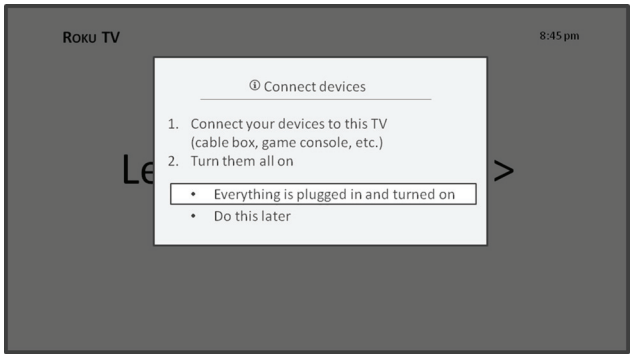
- It links you, your Insignia Roku TV and your other Roku devices to the Roku Channel Store and billing service.
- Streaming content providers know that it's OK to send content you request to your Insignia Roku TV.
- Roku can automatically send updates to your device.

Important: It doesn't cost anything to use and maintain your Roku Channel Store account (other than the cost of the TV and Internet service). Roku is packed with hundreds of free channels. Adding a payment method now lets you easily rent/buy movies on demand, or try popular streaming channels.

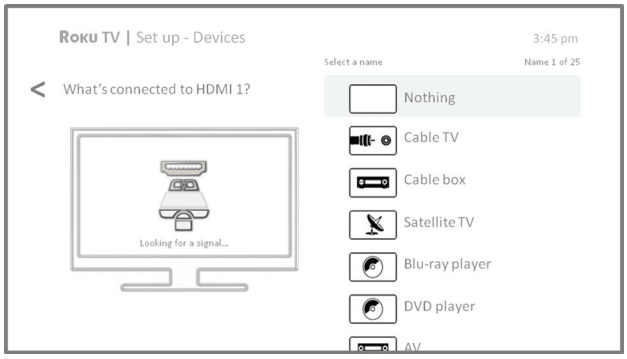
After it adds your selected streaming channels, your Insignia Roku TV helps you set up the devices that you're connecting to it, such as a cable box, Blu-ray player, or game console:



9 Press **OK** or **RIGHT** to proceed:



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



11 Press **UP** or **DOWN** to highlight the label you want to associate with the input, and the press **OK** to move on to the next input.

You're done with Guided Setup.

If your TV is connected to the Internet: To ensure you have a great Roku TV experience, we'll show you an introductory video filled with some great hints and tips. If you're not interested, press ⌂ on the remote control to exit the video and go to your Insignia Roku TV **Home** screen.



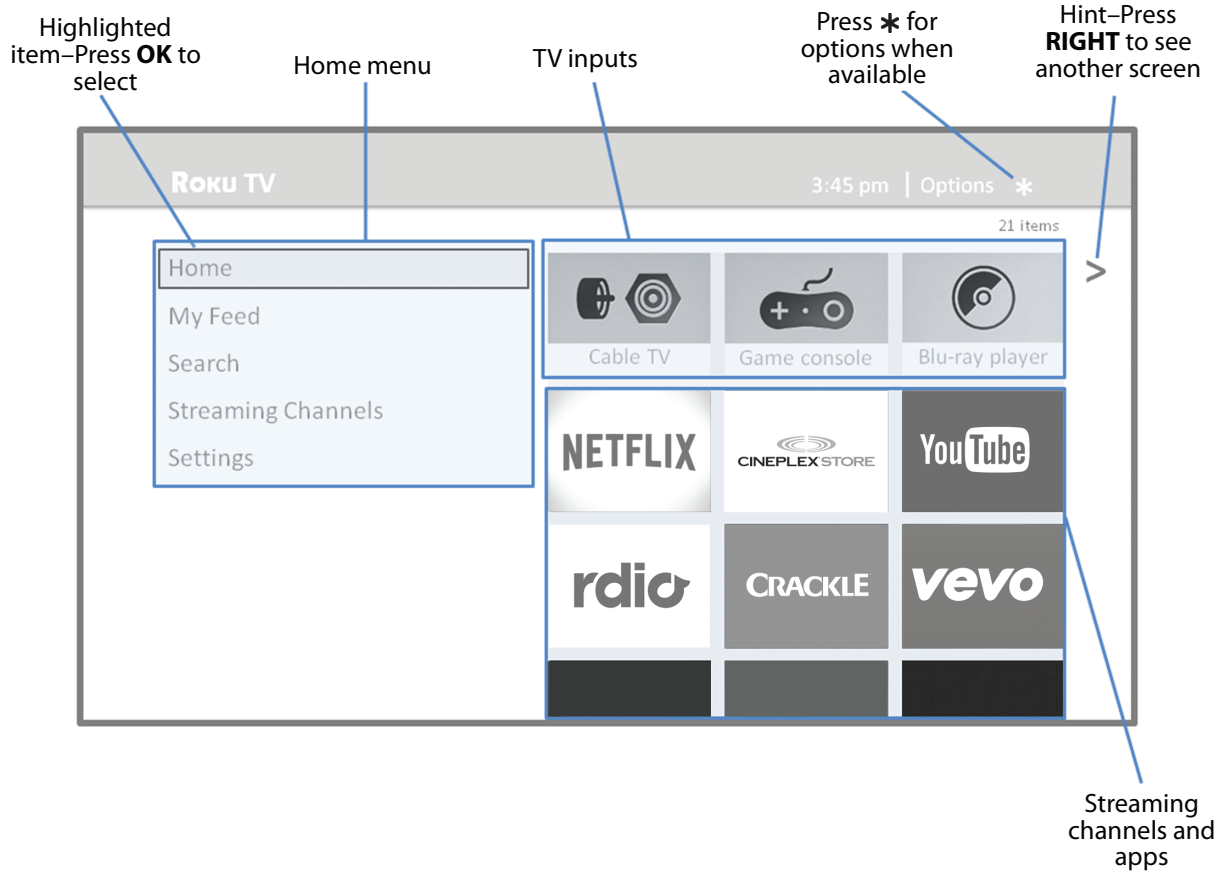
When you finish Guided Setup, and whenever you press ⌂ on the remote control, the **Home** screen greets you.

From here, you can explore everything your Insignia Roku TV has to offer. Press the arrow buttons to move around, and press **OK** to select a highlighted item. We've designed your Insignia Roku 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.

If you find yourself a long way from the **Home** screen, you can always get back right away by pressing one button: ⌂.

Connected Insignia Roku TV Home screen

Here is a typical **Home** screen from an Insignia Roku TV that's connected to the Internet and paired with a Roku account.



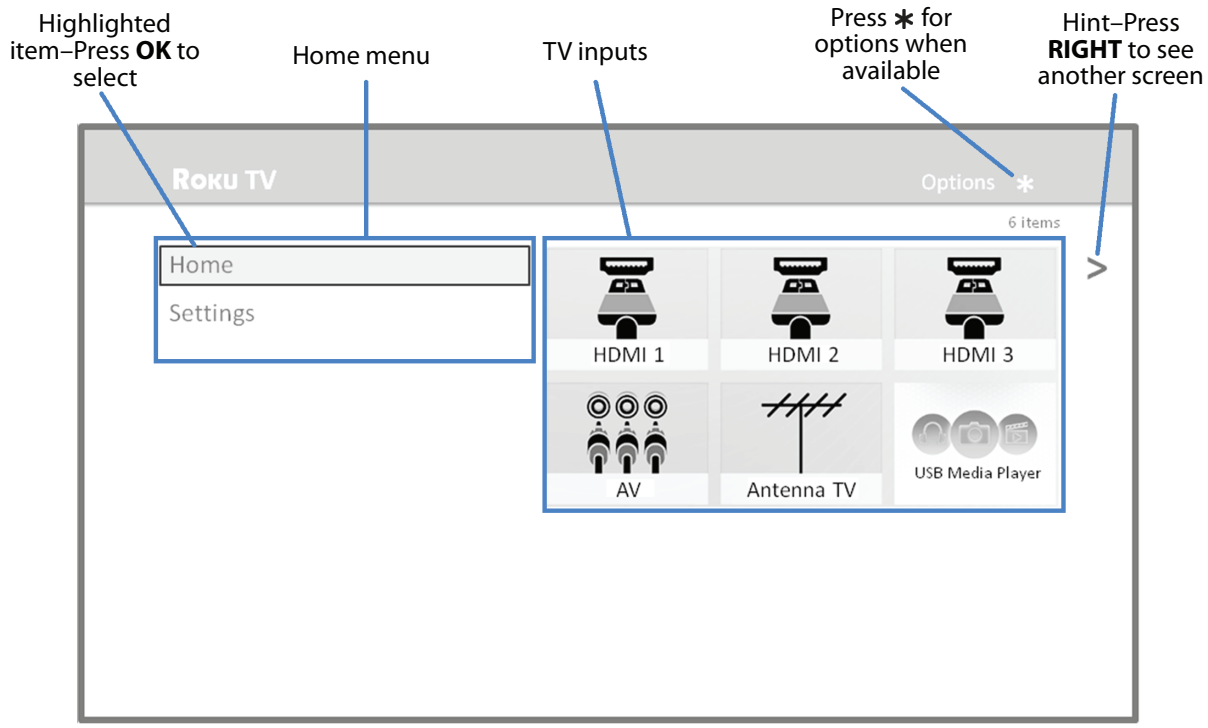
Personalize your Home screen

You can do a lot to personalize your **Home** screen and make it just right for you and your family:

- Add streaming channels by using the **Streaming Channels** menu option to browse the Roku Channel Store.
- Remove a tile by highlighting it and pressing *. Then highlight **Remove input** or **Remove channel** and press **OK**.
- Reposition a tile by highlighting it and pressing *. Then highlight **Move input** or **Move channel** and press **OK**. Use the arrow buttons to move the tile, and then press **OK** to lock it in its new position.
- Rename a TV input tile by highlighting it and pressing *. Then highlight **Rename input** and press **OK**. Highlight a new name in the list, and then press **OK** to assign that name to the tile.
- Change the screen theme by going to **Settings > Themes** to find and pick one to suit your mood.

Non-connected Insignia Roku TV Home screen

Here is a typical **Home** screen from an Insignia Roku TV that is not connected to the Internet.



Personalize your Home screen

You can do a lot to personalize your **Home** screen and make it just right for you and your family:

- Remove a tile by highlighting it and pressing *. Then highlight **Remove input** and press **OK**.
- Reposition a tile by highlighting it and pressing *. Then highlight **Move input** and press **OK**. Use the arrow buttons to move the tile, and then press **OK** to lock it in its new position.
- Rename a tile by highlighting it and pressing *. Then highlight **Rename input** and press **OK**. Highlight a new name in the list, and then press **OK** to assign that name to the tile.
- Add streaming channels by browsing the Roku Channel Store (after connecting your Insignia Roku TV to the Internet to add the **Streaming Channels** option to the menu).

Benefits of connecting

Connecting brings out your Insignia Roku TV's full potential!

Make any night a movie night

Thousands of movies to choose from, across all major streaming movie channels like Netflix, Cineplex Store, Crackle, and more. (Some channels require payment.) You'll never run out of something new to watch.

Get in the groove

Stream endless hours of music from channels like Spotify, VEVO, and Rdio. With on-demand access to thousands of music artists, your favorite beats are just as close as your remote.

Explore your passions

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

Enjoy FREE trials of popular channels

Your Insignia Roku TV comes loaded with special offers, including free trials from popular streaming channels Netflix, Spotify, Rdio, DailyBurn Fitness, and many more.

What is streaming?

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

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

Tip

Subscription or other payment may be required to access certain content. Some content cannot be paused or skipped. For example, if you are viewing live programming or a program that is supported by ads, you generally are not allowed to skip the ads.

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

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

Many streaming channels are free. Some streaming channels, like Cineplex and Amazon Instant Video, let you purchase or rent the latest movie releases or popular TV series. Some channels such as Netflix or Spotify charge a monthly subscription fee and others are free if you subscribe to a companion service through your cable or satellite provider. For example, HBO subscribers with participating broadcast TV provider accounts can add the HBO Go channel and watch it for free.

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

To play streaming content that is available on the Internet, you add streaming channels to your **Home** screen. To add a streaming channel to your **Home** screen, use the **Streaming Channels** option on the **Home** screen menu to go to the Roku Channel Store, and then select the streaming channel you want to add. The streaming channel is then added to your **Home** screen, and you can watch it at any time.

For more information on using the Roku Channel Store feature, see Using the Roku Channel Store on page 51.

Note

Channel availability subject to change without notice. Some channels may not be available to all households in every market or in all countries where Roku TVs are sold.

But what if I didn't connect my Insignia Roku TV?

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

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

Regardless of how you connect, the process is the same. If you need details, see Step 3 on page 6 under Setting up your Insignia Roku TV.

Setting up Antenna TV

Despite all of the entertainment possibilities of your Insignia Roku TV, you may also want to watch broadcast TV. You watch broadcast TV in much the same way you watch other entertainment choices. You select a tile—the **Antenna TV** tile—from the **Home** screen.

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

Why do I have to set up the TV tuner?

You might be asking, "Why is this step necessary?" Good question.

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 tiles on page 54.

When you set up Antenna TV, your Insignia Roku 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.

Your Insignia Roku TV will, however, let you add two analog channels, even if they have no signal. You might need to add these channels if you have an older set top box, VCR, or game console that can only output a signal on analog channel 3 or 4. These are the only channels that can be added regardless of whether they have a good signal. Typically, you'll only need one of these channels, but both are provided to make setup simpler. You can hide the one you don't want as explained in Edit broadcast TV channel lineup on page 53.

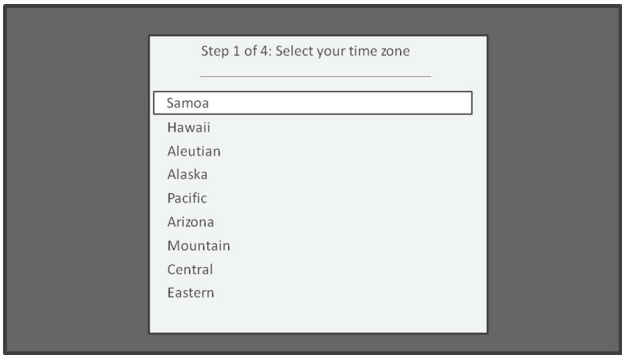
How do I set up the TV tuner?

Setting up the TV tuner is easy—your Insignia Roku TV does most of the work. You just have to answer a couple of questions.

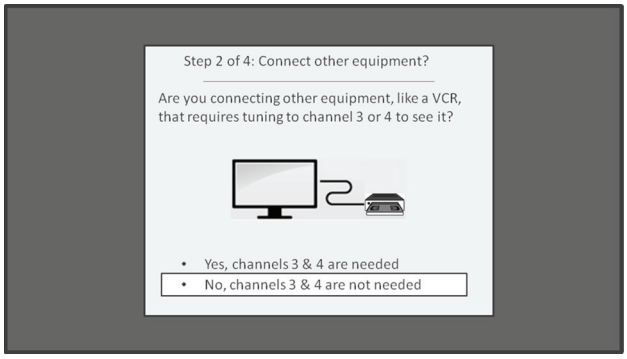
1. Make sure your antenna (sold separately) or TV cable is connected to your Insignia Roku TV's **ANT/CABLE** input.
2. On the **Home** screen, select the **Antenna TV** tile.
3. Read the simple on-screen instructions and select **Start setup**.



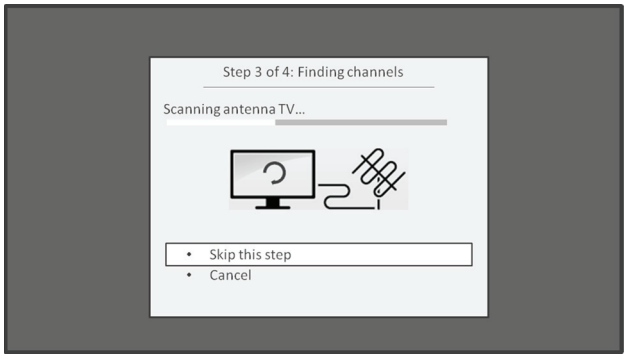
4. If prompted, select your time zone. You'll only need to do this if your Insignia Roku TV can't figure out your time zone from your Internet connection.



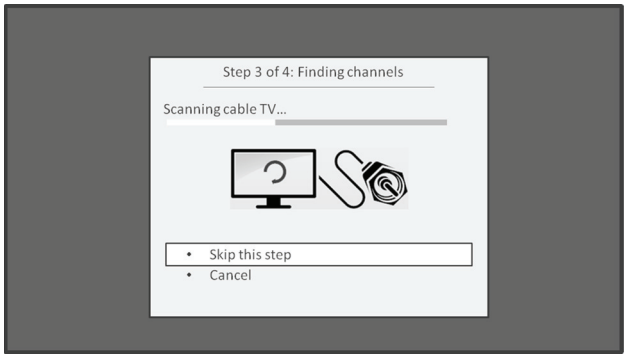
5 When prompted, select whether to add analog channels 3 and 4 (to enable you to connect older set top boxes, VCRs, or game consoles).



6 Wait while your Insignia Roku TV scans for broadcast (antenna TV) stations...



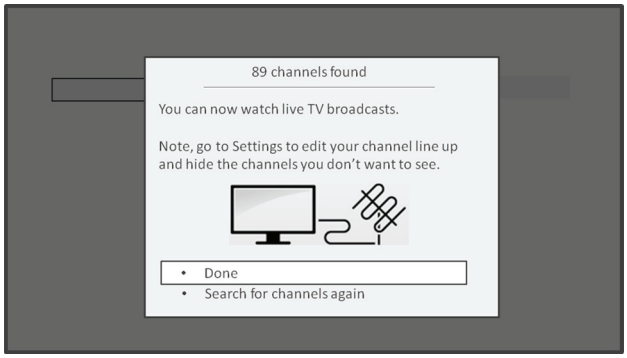
… and then cable TV channels.



Tip

Cable TV channels are channels from a cable TV provider that you can receive by connecting their cable directly to your Insignia Roku TV (unscrambled NTSC, ATSC, and QAM channels, if you're the kind of person who is interested in the details). In many cases, your cable provider probably requires you to use their set-top box and connect it to a different input, and then use the set-top box to tune your cable stations. In that case, you can skip scanning for cable channels.

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



Scanning for channels can take several minutes.

Tip

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

Note

You'll have to repeat the channel scan if you remove the **Antenna TV** tile from the **Home** screen or perform a factory reset. To repeat the channel scan at any time, go to **Settings >TV inputs >Antenna TV > Scan again for channels**. Your antenna reception and picture quality depend on the position of your antenna and on your location relative to the antennas of broadcasters in your area.

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

- Press **UP** or **DOWN** to change channels.
- Press **RIGHT** to display the channel list and then use **UP** or **DOWN** to select a channel to watch. Or press **REWIND** or **FAST FORWARD** to jump through the channel list a page at a time.
- Press **OK** to display information about the current program.
- Press ↶ to switch to the previously tuned channel.
- Press ✱ to see options for picture and sound settings.

Note

If ↶ is not available on your remote control, you can use ↶ on the Roku mobile app or the Jump Back button on a universal remote. For more information, see Other devices on page 66.

Insignia Roku TV remote control on page 13 has more information on using the remote control buttons while watching TV.

Using your Insignia Roku TV

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

Insignia Roku TV status light

Your Insignia Roku TV has a single status light on the front panel. It goes on and off and blinks in different ways depending on the status of your Insignia Roku TV, as shown in the following table:

TV condition	Status indicator	Meaning
On (screen is active)	Off	Screen is communicating that your Insignia Roku TV is on.
Screensaver (screen is active)	Off	Screen is communicating that your Insignia Roku TV is on.
Off (no power)	Off	Your Insignia Roku TV is not connected power.
Off (standby)	On	Your Insignia Roku TV is connected to power and ready to use.
Starting up from off state	Slow pulsing blink until startup completes	Your Insignia Roku TV is doing something.
On (receiving update from USB)	Slow pulsing blink until update completes	Your Insignia Roku TV is doing something.
Remote control command received	Dims on/off once	Your Insignia Roku TV has received your command.
Powering down to standby mode	Slow pulsing blink until your Insignia Roku TV reaches standby.	Your Insignia Roku TV is doing something.

Standby mode energy savings

About 10 minutes after you turn off your Insignia Roku TV, it goes into a very low power standby mode. Until that happens, if you turn on your Insignia Roku TV again, it immediately displays the activity you selected in the Power on settings, as described in Power on settings on page 55. After your Insignia Roku TV goes into the low power standby mode, it takes a bit longer to start up.

Watching broadcast TV channels

To watch broadcast TV, select the **Antenna TV** tile in the **Home** screen. Your Insignia Roku TV remembers the last channel you watched and starts with that channel playing.

Tip

You also can use the buttons on the TV panel to select Antenna TV, as explained in Buttons on page 11.

Changing channels

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

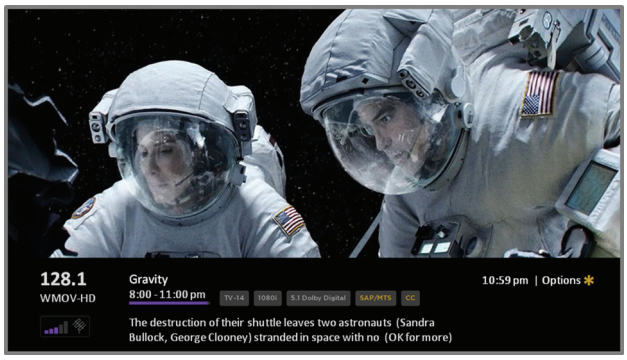
- Press **UP** to change to the next higher channel.
- Press **DOWN** to change to the next lower channel.
- Press **LEFT** to display the channel list, and then press **UP** or **DOWN** to move the highlight through the list one channel at a time. Or press **REWIND** and **FAST FORWARD** to move the highlight through the list one page at a time. When you've highlighted the channel you want to watch, press **OK**. (If you decide you don't want to change channels, press **RIGHT** or **BACK**).
- Press ↶ to switch to the previously tuned channel.

Note

If ↶ is not available on your remote control, you can use ↶ on the Roku mobile app or the Jump Back button on a universal remote. For more information, see Other devices on page 66.

Viewing program information

To view information about the current program, press **OK**. Your Insignia Roku TV displays a banner at the bottom of the screen with as much information as is available in the program data stream.



Program information, subject to availability, includes:

- Channel number
- Channel call sign
- Signal strength
- Program title
- Start time, end time, and graph of program length showing current position
- Content rating
- Video resolution (480i, 480p, 720p, 1080i, 1080p)
- Audio quality (Mono Dolby Digital, Stereo Dolby Digital, 5.1 Dolby Digital, Dolby Digital+)
- Audio features (SAP)
- Closed captioning (CC)
- Current time
- Program description. If the entire description does not fit, press **OK** to expand the size of the banner and see the entire description.

Adjusting settings

Press ✱ to display the *Options* menu. Press **UP** or **DOWN** to highlight an option, and then press **LEFT** or **RIGHT** to change the setting. Adjusting Insignia Roku TV settings on page 47 explains each of the settings in detail.

Switching TV inputs

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

Tip

You also can use the buttons on the TV panel to select a TV input, as explained in Buttons on page 11. Customizing your Insignia Roku TV on page 52 explains how to rename and remove inputs.

Auto-detecting devices

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

Adjusting audio/video settings

While watching video content on any input, press ✱ to display the *Options* menu. Press **UP** or **DOWN** to highlight an option, and then press **LEFT** or **RIGHT** to change the setting. Adjusting Insignia Roku TV settings on page 47 explains each of the settings in detail.

Playing content from USB storage devices

Your Insignia Roku TV has a USB port that can be used to play personal music, video, and photo files from a USB flash drive or hard disk. If your Insignia Roku TV is connected to the Internet, your **Home** screen has the **Roku Media Player** tile. If your Insignia Roku TV has not been connected to the Internet, the **Home** screen has the **USB Media Player** tile.

To use this feature, first make sure your media files are compatible with the Roku/USB Media Player. As of the publication date of this guide, the following media file formats are supported:

- Video—MKV (H.264/262), MP4, MOV (H.264)
- Music—AAC, MP3, WMA, WAV (PCM), AIFF, FLAC, AC3, and DTS
- Photo—JPG, PNG (up to 4k x 4k pixels), GIF (up to 4k x 4 k pixels)

To see the latest list of supported formats, view **Help** in the Media Player.

Notes

- The Roku/USB Media Player displays supported file types only, and hides file types it knows it cannot play.
- There are many variants of each of these media formats. Some variants may not play at all or may have issues or inconsistencies during playback.
- DTS audio, whether in music or video files, is supported only by pass-through, meaning that your Insignia Roku TV cannot directly output the sound of a DTS file, but can pass it through to a DTS-compatible receiver that is connected to the HDMI ARC or S/PDIF connector on your Insignia Roku TV.

Playing content from local network media servers

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

Some media servers can convert files into Roku compatible formats. DRM-protected content is not supported.

Adjusting Insignia Roku TV settings

You can adjust most picture and sound settings while you are watching a program by pressing ✱ to display the *Options* menu. If you don't find what you need, there are additional picture and sound settings in the *Settings* menu.

In most cases, the changes you make apply only to the input you are using. Antenna TV, each separate HDMI input, and the AV input have their own settings that your Insignia Roku TV remembers when you return to that input. Your Insignia Roku TV also remembers the settings you specify while viewing streaming content.

Settings menu

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

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

- **TV brightness**—If the lighting level in your TV room changes, use this setting to help provide a better viewing experience; set to darker for a darker room, and brighter for a brighter room. Choose among **Normal** and four other settings to make the overall picture brighter or darker. So that you don't have to make this type of change for each TV input one at a time, this setting increases or decreases your Insignia Roku TV's general brightness across all TV inputs.

  Note

  This setting is identical to the **TV brightness** setting you can access in the *Options* menu while watching a program.

- **Settings per input**—This section of options lists each TV input. Select an input to switch to that input. Then press ✱ to display the *Options* menu, where you can adjust the input's settings while watching a live picture and listening to the sound from that input.

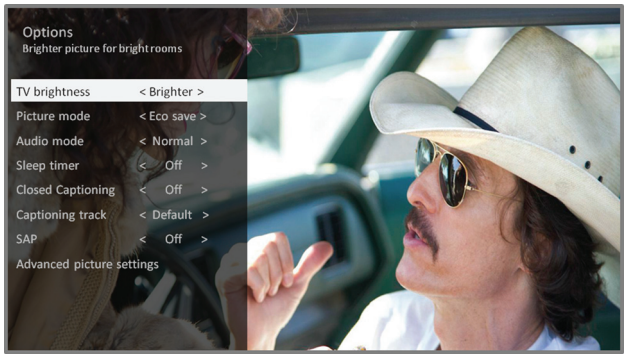
  Tip

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

Options menu

The *Options* menu for each TV input provides settings for controlling the appearance of the picture and the quality of the audio.

To view the *Options* menu, press ✱ whenever you are watching a TV input or streaming a video. The *Options* menu is a panel that appears over the left side of the screen:



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

Tip

When you highlight a setting, the header text explains the effect of its current value. When you begin to adjust a setting, the other options are hidden so you can see more of the screen. Even though the other settings are hidden, you can move the highlight up or down to adjust the other settings.

Options menu settings

- **TV brightness**—Affects the overall brightness of the picture. This setting applies across your entire Insignia Roku TV; that is, to all TV inputs and is identical to the **TV brightness** setting in the *TV picture settings* menu.
- **Picture mode**—Provides picture presets for various viewing preferences. This setting applies to the currently-selected input only.
- **Audio mode**—Adjusts the sound quality output from the your Insignia Roku TV speakers. This setting applies across your entire Insignia Roku TV; that is, to all TV inputs. It does not affect the sound quality for headphones, HDMI (ARC), or SPDIF (TOSLINK) connectors.
- **Sleep timer**—Sets a timer that turns off your Insignia Roku TV after the specific amount of time. This setting remains in effect even if you stop watching the current input.
- **Closed captioning**—Controls when you see captions. This setting is only offered for Antenna TV, the AV input, and streaming videos. Any set value remains in effect across only these inputs.
  - **Antenna TV**—Turn captions on or off, or set them to appear only when your Insignia Roku TV sound is muted.
  - **AV input**—Turn captions on or off, or set them to appear only when your Insignia Roku TV sound is muted.
  - **Streaming video channel**—Turn captions on or off, set them to appear only when your Insignia Roku TV sound is muted, or only during instant replay (for streaming content that supports instant replay).

Tip

If the Instant Replay ↺ button is not available on your remote control, you can use ↺ on the Roku mobile app or the Jump Back button on a universal remote. For more information, see Other devices on page 66. Additional captioning options are provided in the *Captions* screen in **Settings**.

- **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**—Selects whether to play a secondary audio program or multichannel television sound, and which choice to play. This setting applies only to Antenna TV on digital channels.

Tip

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

Advanced picture settings

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

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



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

Tip

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

Advanced picture settings menu options

- **Picture mode**—Provides picture presets for various viewing preferences. This setting duplicates the one on the *Options* menu. When you change the **Picture mode**, other picture settings adjust accordingly. For example, setting the **Picture mode** to **Vivid** sets **Brightness**, **Contrast**, **Sharpness**, and other values to produce a very vibrant picture. Setting **Picture mode** to **Movie** changes these same settings to produce a picture suitable for enjoying movies in a darkened room. If you make changes to the individual picture settings—for example, **Contrast**, or **Sharpness**—these settings are saved for the current input and the current picture mode. In this way, the HDMI 1 input's **Movie** picture mode can be customized and different than the HDMI 2 input's **Movie** picture mode and Antenna TV's **Movie** picture mode. Use **Reset picture settings**, described below, to return the input's current picture mode to its original values.
- **Dynamic Contrast**—Automatically adjusts the backlight level to achieve the optimum contrast and prevent excessive differences between light and dark areas of the screen. The **Backlight** option is disabled when **Dynamic Contrast** is enabled.
- **Backlight**—Adjusts the overall light intensity of the screen.
- **Brightness**—Adjusts the dark level of the black areas of the picture.
- **Contrast**—Adjusts the white level of the light areas of the picture.
- **Sharpness**—Adjusts the sharpness of the edges of objects in the picture.
- **Color**—Adjusts the intensity of colors in the picture. A setting of 0 removes all color and displays a black and white picture.
- **Tint**—Adjusts the color balance from green to red to obtain accurate colors in the picture.
- **Color temperature**—Adjusts the overall colors in the picture from **Normal** to slightly more bluish (**Cool**) to slightly more reddish (**Warm**).
- **Picture size**—Adjusts the aspect ratio of the picture, enabling you to view a picture in its original format, or zoom or stretch it to fill the screen. The **Auto** setting has been known to produce the best picture in most cases.
- **Game mode**—Controls whether Game mode is on or off. When **On**, your Insignia Roku TV performs less image processing and has less input lag. When **Off**, your Insignia Roku TV may perform more image processing and has more input lag, which is less desirable for action games. *Available only for HDMI and AV inputs.*
- **Reset picture settings**—Returns all picture settings for the input's currently-selected **Picture mode** to their original values.

Tip

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

The Roku Feed

Use The Roku Feed to find out when you can watch upcoming movies. The Roku Feed gives you updates on the movies coming soon to theaters that interest you the most. With The Roku Feed, you'll know when your favorite movie is ready to stream, the channels it is on, and how much it will cost. You also will be alerted any time a movie becomes available on another channel and whenever its price changes. When you see a movie that interests you, you can select **Follow this movie on Roku** to add it to **My Feed**.

Note

When a movie you are following becomes available, the streaming channel offering the movie might require you to subscribe or pay a fee to view it.

Tip

The Roku Feed is available only if your Insignia Roku TV is connected to the Internet.

Searching for movies & shows

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

- Movie name
- TV show name
- Actor or director name
- Streaming channel name
- Game name

Tip

The Roku Feed is available only if your Insignia Roku TV is connected to the Internet.

Note

Roku Search doesn't search across all streaming channels, but searches across lots of popular streaming channels. The actual channels it searches vary by locale, but include popular providers such as Netflix and several others, with more being added all the time.

You can check which streaming channels are included in Roku Search by going to the *Search* screen, clearing all previous searches to reveal the search instructions, and then watching the channel tiles cycle at the bottom of the screen.

To search, select **Search** on the **Home** screen menu. The *Search* screen has a keyboard grid and initially displays instructions—a set of icons representing search categories and a list of participating provider tiles.

Tip

If you don't see the instructions, navigate to the end of the list of recent searches and select **Clear recent search selections**.

How do I search?

To search, use the arrow buttons to enter a few characters of the search term. With each additional character you enter, you narrow down the search and the search results become more relevant.

Tip

Use the free Roku mobile app on your smartphone or tablet to make searching even faster. Not only can you use your device's keypad to type, you can search simply by touching a voice search icon and saying the name of the movie, TV show, actor or director, channel, or game.

An icon next to each search result shows the category of the result (movie, TV show, actor).

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

I found a show, now what?

Now that you've highlighted the show, movie, actor, game, or streaming channel you were looking for, press **RIGHT**. If your search result was an actor, director, or other item that does not represent a single item of content, you'll see another list to narrow down your search. Continue highlighting results and pressing **RIGHT** until you find a single, viewable content item.

An HD logo means that the content is available in high-definition. The checked circle adjacent to the title means you have already added the streaming channels.

When you narrow down your search to a game or streaming channel, you'll see detailed information, images, and available actions such a list of streaming channels and the cost of getting the item on each channel.

The next time you use Roku Search, the *Search* screen displays a list of recent search selections in place of the search instructions.

Using the recent search selections list makes it easy to quickly get to a previously found item, for example, to find another movie with the same actor, or another TV show in the same series.

Using the Roku Channel Store

The **Streaming Channels** menu option takes you to the Roku Channel store, where you can add new streaming channels to your Insignia Roku TV.

Tips

- The **Streaming Channels** menu option is available only if your Insignia Roku TV is connected to the Internet.
- You also can search for streaming channels by using the **Search** option, as explained in Searching for movies & shows on page 50.

To make it easier to find what you want, the streaming channels in the Roku Channel Store are categorized by topic. Press **UP** or **DOWN** to highlight the category you want, and then press **RIGHT** to move the highlight into the grid of streaming channel tiles.

When you find a streaming channel you want to add or learn more about, highlight it and press **OK** to display more details.

- If the streaming channel you are adding is free, you can select **Go to channel** to start watching it immediately.
- If there is a one-time or recurring fee associated with using the streaming channel, you must agree to the terms and conditions, accept the fee, and-if you created one when you activated your Insignia Roku TV, enter your Roku PIN code to authorize the charges.
- If you already have a subscription to the streaming channel-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 add the streaming channel.

You only have to complete the authorization or activation step one time, when you initially add the streaming channel. After that, you simply select the streaming channel tile from your **Home** screen to start watching. (Channel availability is subject to change.)

Tip

New streaming channels are added continuously, so be sure to check back every now and then.

Customizing your Insignia Roku TV

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

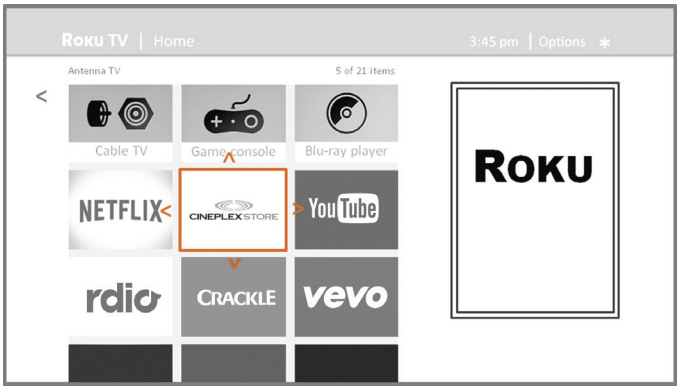
Rearrange tiles

Whenever you add a TV input tile, it's added at the top of your **Home** screen. Whenever you add a new streaming channel from the Roku Channel Store, it's added at the bottom of your **Home** screen.

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

Rearranging tiles is easy:

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

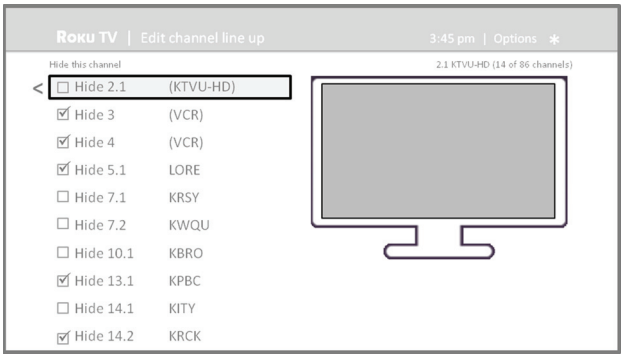


4. Use the arrow buttons to move the highlighted tile to its new position. As you move the tile, it pushes other tiles out of its way.
5. Press **OK** to lock the tile into its new position.
6. Repeat these steps to move other tiles until you have arranged your **Home** screen to your liking.

Edit broadcast TV channel lineup

When you set up the TV tuner as described in Setting up Antenna TV on page 42, your Insignia Roku TV adds all the channels with good signals that it could detect in your area. It's likely that you now have more channels than you want in your channel list.

To edit the channel lineup, from the **Home** screen, navigate to **Settings>TV inputs >Antenna TV>Edit channel lineup**. You'll see a screen listing all of your channels. Adjacent to the list of channels is a miniature TV screen playing the highlighted channel's picture and sound.



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

Tip

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

Rename inputs

Rather than trying to remember that your Blu-ray player is connected to HDMI1 and your game console is connected to HDMI 3, you can rename the TV inputs to match the connected component.

Tip

Renaming an input also changes the icon associated with it.

To rename an input, you can either:

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

or

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

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

Remove unwanted tiles

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

You also can remove the **Antenna TV** tile if you never use the TV tuner. But be aware that removing the **Antenna TV** tile also deletes the broadcast TV channel list. You'll have to set up the TV tuner again next time you add it. Instructions for setting up the TV tuner can be found in Setting up Antenna TV on page 42.

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

Change themes

Another way to customize your Insignia Roku TV is to change its theme. The theme establishes the look and feel of your Insignia Roku TV through colors, designs, and fonts.

Tip

Themes are available only when your Insignia Roku TV is connected to the Internet.

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

- **My themes**—Highlight a theme, and then press **OK** to switch to that theme.
- **Custom settings**—Turn **Featured themes** on or off. When **Featured themes** is on, your Insignia Roku TV automatically switches to featured themes—like certain holidays—for a limited time whenever Roku makes them available, and then switches back to your selected theme when the featured theme expires. When off, your Insignia Roku TV always uses your selected theme.

Change sound effects volume

Sound effects are the noises your Insignia Roku TV makes to let you know it received your command. You can change the volume of sound effects or turn them off.

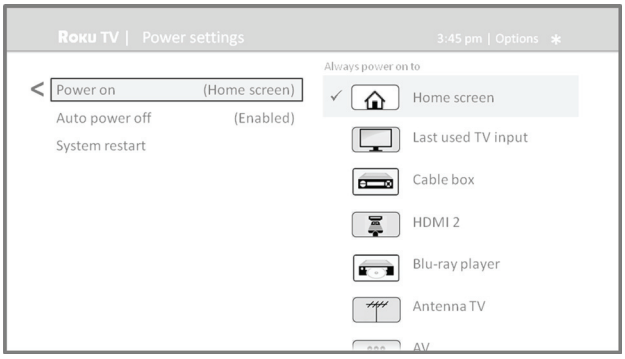
To adjust the sound effects volume, in the **Home** screen menu, navigate to **Audio>Menu volume**. Navigate to the right and then change the setting to **High**, **Medium**, **Low**, or **Off**.

Configure power settings

Power settings let you set up your Insignia Roku TV so that it turns on to the location you choose. Power settings also help your Insignia Roku TV save energy by automatically turning it off under certain conditions.

Power on settings

Power on settings tell your Insignia Roku 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 power on location from the list, and then press **OK** to select it.



Auto power off settings

To help you save energy, your Insignia Roku 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 off**. In the *Power settings* screen, highlight the following options and press **OK** to turn them on or off:

- **After 15 minutes of no signal**—If no signal is detected on a TV input for 15 minutes, your Insignia Roku TV automatically powers off.
- **After 4 hours of no interaction**—If no remote control or panel button is pressed for 4 hours and your Insignia Roku TV is not displaying a TV signal or streaming a video, your Insignia Roku TV is automatically powered off.

Configure parental controls

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

Note

The parental controls feature does not block streaming content nor content from inputs other than the TV tuner.

Creating a parental control PIN

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

Tip

Your parental control PIN has nothing to do with your Roku PIN. You can make them the same if you want—this is entirely your choice.

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

Important

If you forget your PIN, the only way to recover is to perform a factory reset operation, as explained in Factory reset everything on page 64. Be sure to write it down in a safe place just in case.

Blocking Broadcast TV shows

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.

Enabling parental control of TV shows

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

This setting is provided separately to make it easier for you to turn parental control of TV shows on and off without disturbing their settings. For example, your kids are going to summer camp for two weeks, and while they are gone, you don't want to have to deal with unblocking shows that you want to watch by entering your PIN. All you need to do is clear **Enable parental controls**, and all TV shows 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 shows:

1. In the **Home** screen menu, navigate to **Settings >Parental controls**, and then enter your PIN.
2. In the *Parental controls* screen, navigate to **TV tuner> Parental control of TV shows**.
3. Make sure the check box next to **Enable parental controls** is checked. If not, highlight it and press **OK**.

Blocking based on US TV ratings

Most broadcast US TV shows—other than movies—contain rating data that enables parental controls to block shows 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, your Insignia Roku TV also blocks all content with a higher rating. Conversely, if you unblock a particular level of content, your Insignia Roku TV also unblocks all content with a lower rating. For example, if you block TV-PG programs, your Insignia Roku 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 shows with a TV-PG rating. If you do, then your Insignia Roku TV also blocks shows 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 shows based on US television ratings:

1. From the **Home** screen menu, navigate to **Settings >Parental controls**, and then enter your PIN.
2. 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 shows 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 PIN.
2. In the *Parental controls* screen, navigate to **TV Tuner>Movie ratings**.
3. 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 Insignia Roku TV can block programs having ratings that had not been defined when your Insignia Roku 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 your Insignia Roku 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 your Insignia Roku TV, it remains in your Insignia Roku 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 Insignia Roku 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 shows 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
- G—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 PIN.
2. In the *Parental controls* screen, navigate to **TV tuner>Canadian English ratings**.
3. 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 the Régie du cinéma du Québec. TV broadcast signals carry rating data that enables parental controls to block shows 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 PIN.
2. In the *Parental controls* screen, navigate to **TV tuner>Canadian French ratings**.
3. 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 shows and movies are assigned a rating of "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 PIN.
2. In the *Parental controls* screen, navigate to **TV tuner>Block all unrated programs**.
3. Highlight **Block** and press **OK**. When blocking is enabled, the adjacent padlock icon changed from unlocked to locked.

Tip

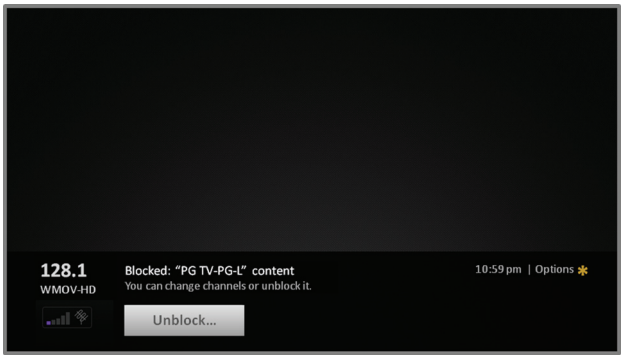
Blocking programs that have been assigned a rating of "Unrated" does not block programs that have no rating assigned to them (for example a broadcast of a local town council meeting). Programs that do not have an assigned rating display Rating NA (for "not applicable," meaning a rating is not needed). Programs that have no assigned rating are considered "safe"; therefore, there is no need to block them.

What happens when a TV show is blocked?

After you've set up parental controls, TV shows and movies can be blocked:

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

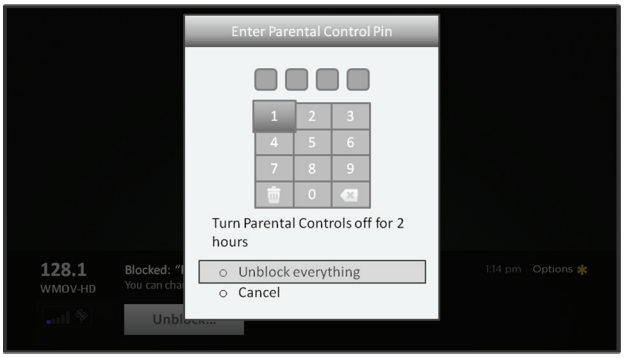
When a program is blocked by parental control settings, your Insignia Roku TV displays a blocked message:



Whenever this blocked message appears, both the video and audio of the show 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 on page 55.

1 Press **OK** to select **Unblock** and display a PIN pad.



2 Use the arrow buttons to enter your PIN code, and then press **OK** to select **Unblock everything**.

After unblocking shows that have been blocked, all blocking is disabled for two hours or until you turn off your Insignia Roku TV.

Changing the parental control PIN

To change your parental control PIN:

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

2 In the *Parental controls* screen, highlight **Change PIN**.

3 Move the highlight into the adjacent keypad, and then use the arrow buttons and the **OK** button to enter a four digit code. Then repeat the process to enter the same PIN again, just to make sure you correctly entered the PIN you want to use.

Resetting parental controls

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

To erase all parental control settings:

1 From the **Home** screen menu, navigate to **Settings >Parental controls**, and then enter your 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 your Insignia Roku TV that were not covered in the other parts of this guide.

Changing 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 Insignia Roku TV's settings so that it can continue to connect. Also, if you decided not to connect to the Internet in Guided Setup on page 33, you can use Network settings to connect at a later time.

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

- **Update connection**—Press **OK** to start the update process. Your Insignia Roku TV uses your current wireless network name and password to reconfirm the wireless connection, the local network connection, and the Internet connection.
- **Set up new Wi-Fi connection**—Press **OK** to start a scan for wireless networks. Your Insignia Roku TV scans for the wireless networks within range and displays the first few it finds in order, with the strongest signals first. In addition to your own wireless signal, your Insignia Roku TV might pick up signals from your neighbors. Now you can do one of the following:
  - **Select your network name**—Select the name of your network and then enter your wireless password if requested.
  - **Scan again**—If you don't see your wireless network name in the list, select **Scan again** to list all networks in range. The first scan listed only the first few, strongest wireless signals. The second scan sometimes results in a longer list. If you still don't see your network name, you might need to adjust the location of the wireless router or your Insignia Roku TV, turn on your router, or make other changes. When everything is ready, select **Scan again** to repeat the network scan.

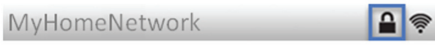
    Note

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

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

    Note

    Wireless networks that are password-protected display a "padlock" icon adjacent to the name.

Changing caption settings

You can change many different settings that affect the appearance of captions.

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

- **Captions mode**—Choose **Off**, **On**, **When mute**, or **Instant replay**.
  - If you choose **On**, your Insignia Roku TV displays captions whenever they are available in the program information. This setting applies to Antenna TV, the AV input, and streaming channels.
  - If you choose **When mute**, your Insignia Roku TV displays captions only when the sound is muted. This setting applies to Antenna TV, the AV input, and streaming channels.
  - If you choose **Instant Replay**, your Insignia Roku TV displays captions only during a replay operation; that is, after pressing ↶ to jump back a few seconds in streaming video. This setting applies only to streaming channels when the program being streamed supports instant replay.

Note

If ↶ is not available on your remote control, you can use ↶ on the Roku mobile app or the Jump Back button on a universal remote. For more information, see Other devices on page 66.

This setting reflects the **Closed captioning** settings in the *Options* menu for certain TV inputs, as explained in Options menu settings on page 48. Note that, once enabled, the captions mode remains set for all applicable inputs until you turn it off.

Note

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

- **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.

Changing 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 > Time**:

- **Sleep timer**—Set a time delay after which your Insignia Roku TV will automatically shut off. This setting reflects the setting you can make in the *Options* menu from any TV input, as explained in Options menu settings on page 48. Note that the sleep timer setting is not input specific.
- **Time zone**—Select whether to set the time zone automatically or manually, and if set manually, select your current time zone. Typically, a TV connected to the Internet can discover its own time zone automatically, and a TV that is not connected to the Internet must be set manually. Initially, this setting is made when you set up the TV tuner, as explained in Setting up Antenna TV on page 42. Correct time zone information is needed to correctly display program data.
- **Clock format**—Select whether to display time in a 12-hour or 24-hour format, or to turn off time display. This setting is available only on TVs that are connected to the Internet. Non-connected TVs do not display time.

Scanning for broadcast TV channels again

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

- Change cable providers
- Reorient your Insignia Roku 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

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.

To repeat the channel scan, from the **Home** screen menu, navigate to **Settings > TV inputs >Antenna TV> Scan again** for channels. Then select **Start finding channels** to begin the channel scan process. The screens and options that appear during this process are identical to those described in How do I set up the TV tuner? on page 42.

Using your Insignia Roku TV in a home theater

Your Insignia Roku 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.

Turning off Insignia Roku TV speakers

When you use your Insignia Roku TV with a sound bar or an external amplifier and speakers, you'll probably want to turn off the internal TV speakers.

To turn off your Insignia Roku TV's built-in speakers, in the **Home** screen menu, navigate to **Settings > Audio > TV speakers** and change the setting.

Tip

Your Insignia Roku TV's internal speakers can be enabled and disabled automatically as needed by system audio control, as described in Enabling system audio control on page 64. The internal speakers are also turned off when you use the headphone jack.

Changing the audio mode

Your Insignia Roku TV has two audio modes, accessed by navigating in the **Home** screen menu to **Settings>Audio>Audio mode**:

- **Stereo**—Use this setting for internal speakers, headphones, and external stereo amplifiers connected through HDMI ARC, SPDIF optical, or headphone jack.
- **Auto**—Use this setting to automatically detect the best audio setting based on the audio stream in the content you are watching. If you have connected your Insignia Roku TV to an external Dolby Digital or Dolby Digital Plus compatible amplifier, receiver, or sound bar through HDMI ARC or SPDIF optical, your Insignia Roku TV automatically selects the appropriate surround sound capabilities of the device based on the characteristics of the current program.

Setting up a digital audio connection

You can connect your Insignia Roku TV to an external amplifier, receiver, or sound bar by using either of these two connections:

- **HDMI ARC**—The HDMI Audio Return Channel enables your Insignia Roku TV to output digital audio on one of its HDMI connectors. The connected amplifier can also function simultaneously as an input source to your Insignia Roku TV, if needed. To use the ARC capability, you must connect an HDMI cable from your amplifier's HDMI ARC connector to the HDMI ARC connector on your Insignia Roku TV. You also must:
  - Be sure your HDMI cable is certified by HDMI.
  - Select the appropriate setting under **Settings > Audio >Audio mode**, as explained in Changing the audio mode on page 62.
  - Enable **HDMI ARC** under **Settings > System > CEC**, as explained in Enabling HDMI ARC on page 63.



- **SPDIF optical**—Your Insignia Roku TV has an SPDIF optical connector that outputs a digital audio signal. To use the optical output, connect a TOSLINK optical cable from the amplifier to the Optical or SPDIF connector on your Insignia Roku TV. You also must:
  - Select the appropriate setting under **Settings > Audio >Audio mode**, as explained in Changing the audio mode on page 62.



Note

Dolby Digital Plus format is only output through the HDMI ARC connection.

After making the required HDMI ARC or SPDIF optical connection, go to **Settings > Audio > S/PDIF and ARC** option and select the audio format to use.

Note

In most cases, Auto detect is the best option. Other settings can result in no sound when the content you are viewing does not contain the audio stream type you selected.

Controlling other devices through CEC

Consumer Electronics Control (CEC) enables your Insignia Roku TV and other CEC-compatible home entertainment components to control one other 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 your Insignia Roku TV to the Blu-ray player's input. Or, powering off your Insignia Roku TV could also power off the Blu-ray player and the home theater receiver.

Discovering connected CEC devices

To discover CEC devices:

1. Make sure that your CEC-compatible components are connected to your Insignia Roku TV with a suitable high-speed HDMI cable that supports HDMI ARC and CEC control.
2. Turn on each component and make sure all components have 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 your Insignia Roku TV’s **Home** screen menu, navigate to **Settings > Control other devices (CEC) > Search for CEC devices**, and then press **OK** to start the discovery process.

When finished, your Insignia Roku TV displays a list of CEC devices that are connected to each HDMI input, as well as any devices that had previously been connected. Your Insignia Roku 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 ✱ to see a complete list in a scrollable window.

Enabling HDMI ARC

HDMI ARC is the audio return channel that is available on one of your Insignia Roku TV’s HDMI ports. The audio return channel enables you to send a Dolby Digital audio signal back to a home theater receiver that is also sending an audio and video signal into your Insignia Roku TV. Using HDMI ARC reduces the number of cables needed and optionally lets you control the volume and mute state of the receiver by enabling system audio control.

HDMI ARC is disabled by default. To enable HDMI ARC, in the **Home** screen menu, navigate to **Settings > Control other devices (CEC)**, and then highlight **HDMI ARC**. Press **OK** to check the adjacent check box.

Enabling system audio control

System audio control enables your Insignia Roku TV remote control to change the volume and mute state of an amplifier or sound bar connected through HDMI, and to display the external device's volume and mute status in tyour Insignia Roku TV's on-screen display.

Your Insignia Roku TV automatically turns off its internal speakers and sends volume and mute control signals to an external amplifier when all of the following are true:

- System audio control is enabled on your Insignia Roku TV.
- A CEC-compatible amplifier is powered on and CEC discoverability is enabled.
- The CEC-compatible amplifier's HDMI ARC connector is connected to your Insignia Roku TV's HDMI ARC connector with a suitable HDMI cable.

When the CEC-compatible amplifier is off, your Insignia Roku TV automatically turns on its speakers (unless you have turned them off as described in Turning off Insignia Roku TV speakers on page 62) and resumes local control of volume and mute state.

System audio control is disabled by default. To enable system audio control, in the **Home** screen menu, navigate to **Settings > Control other devices (CEC)** and highlight **System audio control**. Press **OK** to check the adjacent check box.

Enabling 1-touch play

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

1-touch play is disabled by default. To enable 1-touch play, in the **Home** screen menu, navigate to **Settings > Control other devices (CEC)** and highlight **1-touch play**. Press **OK** to check the adjacent check box.

Enabling system standby

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

System standby is disabled by default. To enable system standby, in the **Home** screen menu, navigate to **Settings > Control other devices (CEC)** and highlight **System standby**. Press **OK** to check the adjacent check box.

Restarting your Insignia Roku TV

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

To restart your Insignia Roku TV, navigate to **Settings > System > Power** and then move right to **System restart** and then **Restart**. Press **OK** to confirm restart.

While your Insignia Roku 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 is complete, you'll see the familiar **Home** screen.

Resetting your Insignia Roku TV

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

Reset Insignia Roku TV settings

To reset only your Insignia Roku TV picture and audio settings to their original values, navigate to **Settings > System > Factory Reset**, and then highlight **Reset TV 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 your Insignia Roku TV to its original, out-of-the-box state. 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 Antenna TV setup and input configuration.

Factory reset is the recommended choice if you want to transfer your Insignia Roku TV to another owner, and is the only choice if you want to switch from store mode to home mode (if you inadvertently selected store mode during Guided Setup).

To perform a factory reset, navigate to **Settings > System > 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, press **PLAY/PAUSE** three times in a row.

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

It is possible that your Insignia Roku TV might 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 your Insignia Roku TV to reset by following these steps:

1. Using a straightened paper clip or ball-point pen, press and hold the recessed **RESET** button on your Insignia Roku TV connector panel.
2. Continue to hold the **RESET** button for approximately 15 seconds.

   During this time, the status light turns off, and then turns on bright, and then pulses. When the reset cycle completes, the light either comes on dim (if your Insignia Roku TV power was off when you started) or your Insignia Roku TV screen comes on and the light turns off (if your Insignia Roku TV power was on when you started).
3. When the status light turns on steady dim or your Insignia Roku TV screen comes on, release the **RESET** button.
4. Proceed through Guided Setup. See Setting up your Insignia Roku TV on page 34.

Getting system updates

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

If your Insignia Roku TV is not connected to the Internet, you can still get updates by using a USB flash drive.

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

www.insigniaproducts.com

To determine your current Insignia Roku TV software version, go to **Settings > System > About** after you complete Guided Setup.

Checking for updates on a connected Insignia Roku TV

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

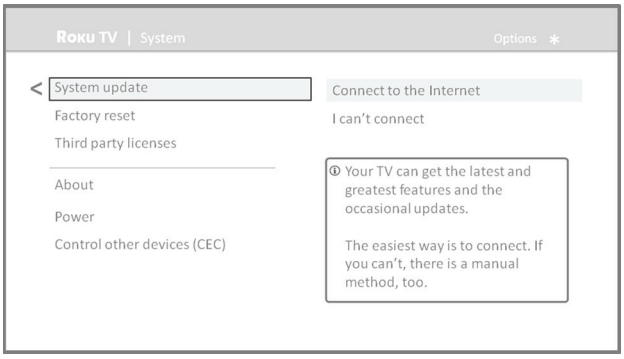
To check for updates, navigate to **Settings > System > System update**, and then select **Check now**. Your Insignia Roku TV responds either with a message saying that your Insignia Roku TV is up to date, or with a message saying that an update is available.

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

Getting updates on a non-connected Insignia Roku TV

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

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



The *System update* screen on a non-connected Insignia Roku TV gives you the opportunity to connect your Insignia Roku 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 But what if I didn't connect my Insignia Roku TV? on page 41.

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

1. On an Internet-connected computer, go to the web site displayed on the *System update* screen.
2. On the *USB Update* web page, select the correct Insignia Roku TV model and then click **Download**. Save the file to the root folder of a standard USB flash drive.
3. When the download finishes, take the USB flash drive to your Insignia Roku TV and plug it into the USB port. When you do, your Insignia Roku TV validates the files on the flash drive and displays a 12-digit code.
4. Write down the code and the web address, and take this information back to your Internet-connected computer.
5. On the *12-digit code* page, enter the code your Insignia Roku TV displayed, and then click **Next**.
6. On the *6-digit code* page, write down the 6-digit code that appears, and then take it back to your Insignia Roku TV.
7. Using your Insignia Roku TV remote control, select **Next** to move to the next screen, and then use the on-screen keyboard to enter the 6-digit code. When finished, select **OK**. The system update begins. Do not remove the USB flash drive until your Insignia Roku TV restarts.

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 any size flash drive you might have.

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.

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

Other devices

Screen Mirroring your phone or tablet

Your Insignia Roku TV has a feature called screen mirroring that lets you mirror your smartphone or tablet on your Insignia Roku TV. Share videos, photos, web pages, and more from compatible devices. This screen mirroring feature is in a 'beta' period, which lets you try it out and allows Roku to learn what needs to be improved—so don't be surprised if it doesn't work perfectly.

For information on which devices may work with Roku TV screen mirroring and instructions on how to use it, see http://support.roku.com/entries/56266670-How-do-I-enable-screen-mirroring-on-my-Roku-player

Note

Many features work with top mobile devices. Please see http://support.roku.com for compatibility information.

Getting and using the Roku mobile app

Roku makes the Roku mobile app free for compatible iOS, Android, and Microsoft Windows 8/8.1 devices.

With the Roku mobile app, you can control your Insignia Roku TV, find and add new Roku Channels, search and find something to watch, and even use your voice to search without typing. More information can be found by going to http://support.roku.com/home and searching for "mobile app."

Using a universal remote

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

For details on how to set up your Insignia Roku TV to work with universal remote controls, visit www.roku.com/universalremote.

Maintaining

- Do not use your Insignia Roku TV in areas that are too hot or too cold, because the cabinet may warp or the screen may malfunction. Your Insignia Roku TV works best in temperatures that are comfortable to you.
- Storage temperatures are 5° to 113°F (-15° to 45°C).
- Working temperatures are 41° to 95°F (5° to 35°C).
- Do not place your Insignia Roku TV in direct sunlight or near a heat source.

Cleaning your Insignia Roku TV cabinet

Clean the cabinet with a soft, lint-free cloth. If the cabinet is especially dirty, moisten a soft, lint-free cloth in a weak detergent solution, squeeze the excess moisture from the cloth, then wipe the cabinet with the cloth. Use a clean cloth to dry the cabinet.

Cleaning your Insignia Roku TV screen

Clean the screen with a soft, lint-free cloth.

Troubleshooting

Warning

Do not try to repair your Insignia Roku TV yourself. Contact authorized service personnel.

Note

If the problem is not solved by using these troubleshooting instructions, turn off your Insignia Roku TV, then turn it on again.

FAQ

For the latest answers to Frequently Asked Questions, visit **General Support & FAQs** under the **Support and Service** section of the Insignia TV support website (www.insigniaproducts.com) and the Support section of the Roku website (www.roku.com).

Video and audio

Symptom	Possible cause	Try this...
Picture does not fill the screen or there are black bars around the picture	The picture size may need to be adjusted	• Adjust the picture size (aspect ratio). See the **Picture Size** option in Advanced picture settings menu options on page 49.
I don't see a picture when I select an input	Insignia Roku TV is not on	• Make sure that your Insignia Roku TV is plugged into a working power outlet, and that your Insignia Roku TV is turned on. (your Insignia Roku TV had a light on the front that indicates if your Insignia Roku TV is turned off. See Status indicator on page 10.)
	Cables are not connected correctly	• Make sure that the video cables are connected correctly and securely to your Insignia Roku TV. • Make sure that the antenna or cable TV is connected correctly and securely. See Connecting a cable or satellite box on page 16 or Connecting an antenna or cable TV (no box) on page 19.
	Picture settings may be incorrect	• Adjust the contrast and brightness. See the **TV brightness** option in Settings menu on page 47 or Options menu on page 48. • Adjust the TV picture. See Advanced picture settings on page 49.
	Incorrect input may be selected	• Make sure that the correct input is selected for the device you want to view. See Switching TV inputs on page 46.
	Input source not detected	• Make sure that the device connected to the input is turned on. • Make sure that the cord to and from the device is connected firmly and correctly to the device and your Insignia Roku TV.
	TV input may be bad	• Connect a different device to the same input and check to see if it works correctly.
TV channel does not appear	Broadcast TV may be experiencing problems or may not be set up	• Try another channel. The station may be experiencing problems. • Make sure that the incoming signal is compatible. • If you are trying to watch broadcast TV, make sure that Antenna TV is set up. See Setting up Antenna TV on page 42.

Symptom	Possible cause	Try this...
Dark, poor, or no picture (screen is lit), but sound is good.	Broadcast TV may be experiencing problems or may not be set up	• Try another channel. The station may be experiencing problems. • If you are using an antenna and the signal strength is low, adjust the antenna or use a highly directional outdoor antenna or set-top antenna with a built-in amplifier.
	Cables may not be connected correctly	• Make sure that the antenna or cable TV is connected correctly and securely. See Connecting a cable or satellite box on page 16 or Connecting an antenna or cable TV (no box) on page 19. • Make sure that the video cables are connected correctly and securely to your Insignia Roku TV. • The video cable(s) you are using may be bad. Try a new set.
	Picture settings may be incorrect	• Adjust the brightness. See the **TV brightness** option in Settings menu on page 47 or Options menu on page 48. • Change to a different picture mode. See the **Picture mode** option in Options menu settings on page 48 or Advanced picture settings menu options on page 49.
No color, dark picture, or color is not correct.	Picture settings may be incorrect	• Adjust the contrast, color, and brightness settings. See the **TV brightness** option in Settings menu on page 47 or Options menu on page 48.
	Broadcast TV may be experiencing problems	• Try another channel. The station may be experiencing problems. • If you are using an antenna and the signal strength is low, adjust the antenna or use a highly directional outdoor antenna or set-top antenna with a built-in amplifier.
	Cables are not be connected correctly	• Make sure that the antenna or cable TV is connected correctly and securely. See Connecting a cable or satellite box on page 16 or Connecting an antenna or cable TV (no box) on page 19. • Make sure that the video cables are connected correctly and securely to your Insignia Roku TV. • The video cable(s) you are using may be bad. Try a new set.
Only snow (noise) appears on the screen	Broadcast TV may be experiencing problems or may not be set up	• Try another channel. The station may be experiencing problems. • If you are trying to watch broadcast TV, make sure that Antenna TV is set up. See Setting up Antenna TV on page 42. • If you are using an antenna and the signal strength is low, adjust the antenna or use a highly directional outdoor antenna or set-top antenna with a built-in amplifier.
	Cables may not be connected correctly	• Make sure that the antenna or cable TV is connected correctly and securely. See Connecting a cable or satellite box on page 16 or Connecting an antenna or cable TV (no box) on page 19.
Picture quality is good on some channels and poor on others. Sound is good	Broadcast signal may be weak	• If you connect to cable without a set-top box and experience poor picture quality, you may need to install a set-top box to improve signal reception and picture quality. Contact your cable TV provider about upgrading to a set-top box.

Symptom	Possible cause	Try this...
Dotted lines or stripes appear on the screen	Cables may not be connected correctly	• Make sure that the antenna or cable TV is connected correctly and securely. See Connecting a cable or satellite box on page 16 or Connecting an antenna or cable TV (no box) on page 19. • Make sure that the video cables are connected correctly and securely to your Insignia Roku TV. • The video cable(s) you are using may be bad. Try a new set.
	Broadcast signal may be weak	• If you are using an antenna and the signal strength is low, adjust the antenna or use a highly directional outdoor antenna or set-top antenna with a built-in amplifier. • Other devices (for example, a surround sound receiver, external speakers, fans, or hair dryers) may be interfering with your Insignia Roku TV. Try turning off one device at a time to determine which device is causing interference. After you have determined which device is causing interference, move it further from your Insignia Roku TV to eliminate the interference.
Double images	Broadcast signal may be weak	• If you are using an antenna and the signal strength is low, adjust the antenna or use a highly directional outdoor antenna or set-top antenna with a built-in amplifier. • If you are using an antenna and the signal strength is low, switch to a cable or satellite box.
The picture has a few bright or dark spots.	This is normal in LED TVs	• A few bright or dark spots on an TV screen is normal. It does not affect the operation of your Insignia Roku TV.
Good picture, but no sound	Volume is down or muted	• Increase the volume. • Make sure that the sound is not muted.
	Headphones may be connected	• Make sure that you do not have headphones connected. When headphones are connected, no sound comes from your Insignia Roku TV speakers.
	TV speakers may be turned off	• If you want sound to play through your Insignia Roku TV speakers, make sure that your Insignia Roku TV speakers are turned on. See Turning off Insignia Roku TV speakers on page 62.
	You may need to change the audio mode	• Change to a different audio mode. See Changing the audio mode on page 62.
	Home theater system, sound bar, or external speaker system may not be turned or may not be set up correctly	• If you are using a home theater system, sound bar, or external speaker system, make sure that it is turned on and is not muted and that it is set to the correct source. • If you connected an ARC audio device to the **HDMI 1/ARC** jack, make sure that you have turned on the ARC feature. See the **HDMI ARC** option in Setting up a digital audio connection on page 63. • If you are using a home theater system, sound bar, or external speaker system and have connected it with a digital audio cable, see Setting up a digital audio connection on page 63. • Make sure that the audio cables are connected correctly and securely to your Insignia Roku TV.
	Bad content, no audio	• Make sure that the selected channel or content is intended to be broadcasting with sound.
	Cables may not be connected correctly	• Make sure that the antenna or cable TV is connected correctly and securely. See Connecting a cable or satellite box on page 16 or Connecting an antenna or cable TV (no box) on page 19. • The audio cables you are using may be bad. Try a new set.

Symptom	Possible cause	Try this...
Poor picture	Light in the viewing area may be interfering	• Make sure that the room is not too bright. Light reflecting off the screen can make the picture difficult to see.
	A connected camera or camcorder may be interfering	• If an S-VHS camera or a camcorder is connected while another connected device is turned on, the picture may be poor. Turn off one or more devices.
Audio noise	Other devices may be interfering	• Other devices (for example, a surround sound receiver, external speakers, fans, or hair dryers) may be interfering with your Insignia Roku TV. Try turning off one device at a time to determine which device is causing interference. After you have determined which device is causing interference, move it further from your Insignia Roku TV to eliminate the interference.
After images appear		• Do not display a still image, such as a logo, game, or computer image, for an extended period of time. This can cause a permanent after-image to be burned into the screen. This type of damage is not covered by your warranty.

Remote control

Symptom	Possible cause	Try this...
My Insignia Roku TV doesn't turn on using the remote control	No power to TV	• Make sure that the power cord is correctly connected to both the Roku TV power connector and power outlet. See Connecting power on page 31. You should see an LED in the front of the TV panel when a button on the remote is pressed. If you see no LED activity, try in another outlet or check your fuse box.
	Line-of-sight obstructed	• Make sure that no objects (or pets) are obstructing the line-of-sight from the remote control to the remote sensor on the front of your Insignia Roku TV. See Aiming the remote control on page 32.
	Remote not responding	• Open the battery compartment and make sure that the batteries are seated in the correct positions (+ and - in the correct positions). See Installing remote control batteries on page 32. • Make sure the batteries are fresh and working correctly. Replace the batteries, if necessary.
	Insignia Roku TV frozen	• If the front LED is not responding, or abnormally bright, disconnect the power cord from power outlet, wait a few seconds, then reconnect the power cord.
Trouble programming your existing universal remote control	Remote control may not be programmed correctly	• See instructions in Using a universal remote on page 66. For instructions on programing a universal remote control, visit: www.roku.com/universalremote • Refer to the User Guide that accompanied your universal remote control and contact the manufacturer if problems persist.
	Batteries may be dead	• Replace dead batteries with new batteries. Refer to the User Guide that accompanied your universal remote control.

General

Symptom	Possible cause	Try this...
No power	Power cord may not be connected correctly	• Make sure that the power cord is correctly connected to both your Insignia Roku TV power connector and power outlet. See Connecting power on page 31. You should see an LED in the front of your Insignia Roku TV panel when a button on the remote is pressed. If you see no LED activity, try in another outlet or check your fuse box. • Unplug the power cord, wait 60 seconds, then plug the cord back in and turn on your Insignia Roku TV.
	Other devices may be interfering	• Other devices (for example, a surround sound receiver, external speakers, fans, or hair dryers) may be interfering with your Insignia Roku TV. Try turning off one device at a time to determine which device is causing interference. After you have determined which device is causing interference, move it further from your Insignia Roku TV to eliminate the interference.
My TV tuner does not pick up as many over-the-air channels as it should	Antenna may not be placed optimally	• Adjust the antenna location and rescan. See Scanning for broadcast TV channels again on page 62. Go to **Settings>Input**. • Reception can vary by channel depending on the broadcast power level of a given station. Contact your cable or satellite TV provider. • Make sure that the antenna or cable/satellite TV is connected securely to your Insignia Roku TV. • Try replacing the cable between the antenna/cable or cable/satellite box and your Insignia Roku TV.
	Broadcast TV may not be set up	• Make sure that Antenna TV is set up. See Setting up Antenna TV on page 42.
One or more channels do not display	Channels may be blocked or hidden	• Make sure that the channels are not blocked. See Blocking unrated programs on page 58. • Make sure that the channels are not hidden. The channel may have been deleted from the channel list. You can tune to the channel by pressing the number buttons or you can add the channel back to the channel list. See Edit broadcast TV channel lineup on page 53.
	The wrong input may be selected	• Make sure that you have selected the correct input tile for the device or service you are trying to use. See Switching TV inputs on page 46.
	You may need to use the remote control that came with the cable or satellite box	• If you are using a cable or satellite box, use the remote that came with that box to change channels.
I lost my parental control PIN	Need PIN recovery	• You will need to factory reset your Insignia Roku TV, as the PIN cannot be recovered or reset any other way. See Factory reset everything on page 64. Go to **Settings>System>Factory reset**.
Some settings cannot be accessed	Not all settings are available for all devices or inputs	• If the ✱ icon or a menu option is grayed, you cannot adjust settings for the current video input mode.
TV cabinet creaks	This is normal	• When your Insignia Roku TV is in use, the temperature rises naturally and may cause the cabinet to expand or contract which can cause a creaking noise. This is not a malfunction.
Control buttons do not work	Insignia Roku TV may be frozen	• Unplug the power cord, wait a few seconds, then plug the cord back in and turn on your Insignia Roku TV.

Symptom	Possible cause	Try this...
Insignia Roku TV keeps turning off	Sleep time may be turned on	• Make sure that the sleep timer is not turned on. See the **Sleep Timer** option in Options menu settings on page 48 or Changing time settings on page .62.
Some features are not available	The wrong TV mode may be selected	• You may have **Set up for store mode** when you set up your Insignia Roku TV. Store use mode is for retail environments only. In **Store use mode**, some of your Insignia Roku TV's features are missing or limited. If you selected **Set up for store use** and you want to change to **Set up for home use**, you have to reset your Insignia Roku TV to the factory defaults. See Factory reset everything on page 64. Go to **Settings>System>Factory reset**.

Roku

Symptom	Possible cause	Try this...
I can't turn my Insignia Roku TV on with the Roku mobile app	your Insignia Roku TV is "asleep"	• You will need to use the physical remote button to "wake up" or turn on your Insignia Roku TV.
I can't find my Insignia Roku TV with the Roku mobile app	Insignia Roku TV and mobile app not on same wireless network	• Make sure that your Insignia Roku TV and the mobile app are on the same network.
	Insignia Roku TV not powered or working normally	• Make sure that your Insignia Roku TV is connected to a working power outlet and that your Insignia Roku TV is turned on. See Connecting power on page 31.
I cannot screen mirror to my Insignia Roku TV	Insignia Roku TV on older software	• Always keep your Insignia Roku TV updated. See Getting system updates on page 65. Go to **Settings>System>Software update**.
	Mobile device not supported	• Screen mirroring is a beta feature currently, so a select set of devices will work.

Network

Symptom	Possible cause	Try this...
I cannot connect to the Internet	Network connection may not be set up	• If you did not connect to the Internet when you first set up your Insignia Roku TV, see But what if I didn't connect my Insignia Roku TV? on page 41.
	Network name or password may have changed	• If your network name or password had changed, you need to update your network connection. See Changing network settings on page 60.
Streaming keeps pausing to load more data	Wireless LAN not optimized	• Rotate wireless router slightly • Elevate the router • Turn off other wireless connections • Use 5.0Ghz, if possible. Roku TVs supports dual band.
	Insufficient broadband speed	• Turn off other wireless connections that may also be using bandwidth.

CEC-compatible devices

Symptom	Possible cause	Try this...
My Insignia Roku TV is not displaying the video from the connected CEC device	Cables may not be connected correctly	• Make sure that the HDMI cable is connected securely to your Insignia Roku TV and the device. • Make sure that the device is connected to your Insignia Roku TV with an HDMI cable.
	Picture settings may be incorrect	• Try adjusting your Insignia Roku TV picture. See Advanced picture settings on page 49.
	The selected input may be incorrect	• Make sure that the correct input tile is selected. See Switching TV inputs on page 46.
	Connected device may not be a CEC device	• Make sure that the device is a CEC device. See the documentation that came with the device for more information.
	CEC control may not be set up correctly	• Make sure that your Insignia Roku TV has searched for CEC devices. See Discovering connected CEC devices on page 63.
My Insignia Roku TV is not playing the audio from the connected CEC device.	Cables may not be connected correctly	• Make sure that the HDMI cable is connected securely to your Insignia Roku TV and the device.
	Volume may be too low or muted	• Make sure that the volume on your Insignia Roku TV and the device is turned up and not muted.
	TV speakers may be turned off	• If you want sound to play through your Insignia Roku TV speakers, make sure that your Insignia Roku TV speakers are turned on. See Turning off Insignia Roku TV speakers on page 62.
	Connected device may not be a CEC device	• Make sure that the device is a CEC device. See the documentation that came with the device.
	CEC control may not be set up correctly	• Make sure that your Insignia Roku TV has searched for CEC devices. See Discovering connected CEC devices on page 63.
	Connected audio device may not be set up correctly	• If you are using a home theater system, sound bar, or external speaker system, make sure that it is set to the correct source. • If you are using a home theater system, sound bar, or external speaker system and have connected it with a digital audio cable, make sure that you have set up digital audio. See Setting up a digital audio connection on page 63. • If you connected an ARC audio device to the **HDMI 1/ARC** jack, make sure that you have turned on the ARC feature. See Enabling HDMI ARC on page 63.

Symptom	Possible cause	Try this...
My Insignia Roku TV's remote control does not control the device	Connected device may not be turned on	• Make sure that the device is turned on.
	Line-of-sight obstructed	• Make sure that no objects (or pets) are obstructing the line-of-sight from the remote control to the remote sensor on the front of your Insignia Roku TV and the device. See Aiming the remote control on page 32.
	Connected device may not support some or all CEC features	• Depending on the device, all the buttons may not work. • The device may not support this feature. See the documentation that came with the device for more information.
	CEC control may not be set up correctly	• Make sure that your Insignia Roku TV has searched for CEC devices. See Discovering connected CEC devices on page 63. • If you are trying to control the volume on an HDMI CEC audio receiver using your Insignia Roku TV remote control, make sure that your Insignia Roku TV speakers are turned on. See Turning off Insignia Roku TV speakers on page 62. • If you are trying to control the volume on an HDMI CEC audio receiver using your Insignia Roku TV remote control, make sure that the system audio control is turned on. See Enabling system audio control on page 64.
The device does not show up in the CEC device list	Connected device may not be a CEC device	• Make sure that the device is a CEC device. See the documentation that came with the device.
	Cables may not be connected correctly	• Make sure that the HDMI cable is connected securely to your Insignia Roku TV and the device. • Make sure that the device is connected to your Insignia Roku TV with an HDMI cable.
	Connected device may not be a CEC device	• Make sure that the device is a CEC device. See the documentation that came with the device.
	CEC control may not be set up correctly	• Make sure that your Insignia Roku TV has searched for CEC devices. See Discovering connected CEC devices on page 63.
My device does not turn off when I turn off my Insignia Roku TV	Connected device may not be a CEC device	• Make sure that the device is a CEC device. See the documentation that came with the device.
	Connected device may not support some or all CEC features	• The device may not support this feature. See the documentation that came with the device for more information.
	CEC control may not be set up correctly	• Make sure that your Insignia Roku TV has searched for CEC devices. See Discovering connected CEC devices on page 63. • Make sure that system standby is turned on. See Enabling system standby on page 64.
My Insignia Roku TV does not turn on when I turn on my device.	Connected device may not be a CEC device	• Make sure that the device is a CEC device. See the documentation that came with the device.
	Connected device may not support some or all CEC features	• The device may not support this feature. See the documentation that came with the device for more information.
	CEC control may not be set up correctly	• Make sure that your Insignia Roku TV has searched for CEC devices. See Discovering connected CEC devices on page 63. • Make sure that 1-touch play is turned on. See Enabling 1-touch play on page 64.

Specifications

Specifications are subject to change without notice.

Dimensions and weight

	NS-32DR420CA16	NS-55DR420CA16
Without stand	28.6 × 17.3 × 2.5 in. (72.7 × 44 × 6.4 cm) 10.7 lbs. (4.9kg)	48.8 × 28.6 × 2.6 in. (123.9 × 72.7 × 6.6 cm) 34.6 lbs. (15.7 kg)
With stand	28.6 × 18.3 ×6.9 in. (72.7 × 46.4 × 17.4 cm) 11 lbs. (5 kg)	48.8 × 29.6 × 12.4 in. (123.9 × 75.2 × 31.5 cm) 35.7 lbs. (16.2 kg)

Screen

	NS-32DR420CA16	NS-55DR420CA16
Screen size measured diagonally	31.5 in.	54.6 in.
Display type	LED	LED
Panel 60 Hz vs.120 Hz	60Hz	60Hz
Display resolution	1080p	1080p
Panel resolution	1920 (H) × 1080 (V)	1920 (H) × 1080 (V)
Aspect ratio	16:9	16:9
Contrast ratio (typical)–panel	1,400:1	4,000:1
Dynamic contrast ratio–list value	20,000:1	120,000:1
TV Brightness (center typ.) cd/m^2	200 nits	300 nits
Comb filter	3d y/c digital	3d y/c digital
Response time	8 ms	8 ms
Horizontal viewing angle	178°	178°
Vertical viewing angle	178°	178°

Display resolutions (both models)

HDMI suggested resolutions	1080p, 1080i, 720p, 480p, 480i

Tuner (both models)

Analog	NTSC
Digital	ATSC, 8-VSB, Clear-QAM

Inputs (both models)

HDMI	1 (side)/2 (back) EDID compliant HDCP compliant
Component video	No
Composite video	1 (back)
PC/VGA	No
3.5mm PC audio input	No
WiFi	Yes (built-in) Dual-band, 802.11 A/B/G/N
DVI	No
USB	1 (side) Supports image format: JPEG, PNG, GIF audio format: AAC, MP3,WMA, WAV(PCM), FLAC, AIFF, AC3(Dolby Digital) video format: MKV, MP4, MOV, TS firmware upgrade
Antenna/Cable	1 (back)

Outputs (both models)

Video	No
Analog audio/Headphone	1 (side)
Digital audio	1 (optical) (back)
WiFi	Yes
Ethernet	No

Audio

	NS-32DR420CA16	NS-55DR420CA16
Speakers	Number: 2 Watts per channel: 5W	Number: 2 Watts per channel: 8W

Power

	NS-32DR420CA16	NS-55DR420CA16
Power consumption	On: 60W Standby: <1W	On: 133W Standby: <1W
Power input	AC 120 V, 60Hz	AC 120 V, 60Hz

Miscellaneous

	NS-32DR420CA16	NS-55DR420CA16
OSD languages	English/French	English/French
CEC control	Yes	Yes
Game Mode	Yes	Yes
ENERGY STAR qualified	No	No
Internet connectable	Yes	Yes
TV base screws	Base to TV screen: M4 type (28 mm length) (4 pcs)	Base to TV screen: M6 type (36 mm length) (4 pcs)
V-Chip (version 2.0)	Yes	Yes
Sleep timer	Yes	Yes
Channel labeling	No	No
VESA mount (mm) (Hor. × Ver.)	100 × 100	400 × 200
VESA mount screws	M4	M6

Note

The length of the wall-mount screws vary depending on the wall-mount bracket you purchased. See the instructions that came with the wall-mount bracket for screw lengths.

Legal notices

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Legal statement

Please note—your access and use of streaming content and channels via the Insignia Roku TV are governed by the Insignia Roku TV End User Agreement (see below). By using the Insigniao Roku TV you agree to the following disclaimer. For the avoidance of doubt, the content set forth herein shall refer to all content and channels accessible and available on the Insignia Roku TV, including those available via the Roku® streaming platform, as well as broadcast cable.

Due to the various capabilities of the Insignia Roku TV, as well as limitations in the available content available therein, certain features, applications, and services may not be available on all Insignia Roku TVs, or in all territories. Some features on the Insignia TV may also require additional peripheral devices or membership fees that are sold separately. Please visit the Insignia or Roku, Inc. websites for more information on the Insignia Roku TV and content availability. The services and availability of content on the Insignia Roku TV are subject to change from time to time without prior notice.

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In the event of a conflict between the [Insignia Roku TV End User Agreement and the terms set forth in this Legal Disclaimer, the Insignia Roku TV End User Agreement shall prevail and control in all circumstances.

Insignia Roku TV End User Agreement

IMPORTANT: READ THIS AGREEMENT CAREFULLY IF YOU HAVE ANY INSIGNIA ROKU TV. ALSO REVIEW THE IMPORTANT PRODUCT INFORMATION GUIDE BEFORE POWERING UP YOUR insignia ROKU TV FOR THE FIRST TIME.

Purpose and Scope of Agreement

This Insignia Roku TV End User Agreement ("**Agreement**") is the legal agreement between you ("**You**"), on the one hand, and Roku, Inc. ("**Roku**") and Insignia ("Insignia") on the other hand (Roku and Insignia collectively referred to as "**We**", "**Us**" or "**Our**"), governing Your use of: (i) the firmware and software that We have pre-installed on the television that You have purchased which uses the Roku platform to play digital content distributed over the Internet ("**Television**"), and the firmware and software updates Roku makes available for the Television (such firmware, software and updates, collectively, the "**Software**"); (ii) the Roku Channel Store that is accessible via the Television's on-screen menu ("**Channel Store**"); and (iii) if downloaded by You to a mobile device, any Roku mobile application and updates thereto (collectively, "**Mobile App**"). By establishing an account at http://owner.roku.com (a "**Roku Account**"), using the Television, and/or downloading or using a Mobile App, You are agreeing to be bound by the terms and conditions of this Agreement. If You do not agree to these terms and conditions, You are not granted any right to use the Software or any Mobile Apps or the right to access the Channel Store. If You do not agree to these terms and conditions and You are within the allowable time period for returns under the applicable return policy, You may return the Television to the place where You obtained it for a refund, in accordance with the terms of such return policy. If You do not agree to these terms and conditions, You should not download any Mobile App. If You have downloaded any Mobile App and You do not agree to these terms and conditions, You should immediately delete it.

For purposes of this Agreement, "**Channel**" means any application that may be available from time to time in the Channel Store, including without limitation, applications to access, display or play video, audio, photos, games, text or graphics; "**Content**" means video, audio, photos, games, text, graphics and other audio or visual materials; and "**Content Provider**" means any third party who provides video, audio, photo, games, text, graphics or other audio or visual materials that are accessible via the Channel Store and the Television.

Changes to This Agreement

Roku reserves the right to amend this Agreement at any time, in whole or in part, in its sole discretion. Such amendments shall be effective immediately upon posting of the amended Agreement on Roku's website at www.roku.com,via the Television, or within any Mobile App. In its sole option, Roku may also notify You of the amended Agreement by sending a notice to the last email address You have provided to Roku. You agree to provide accurate and complete information when You establish Your Roku Account, and You agree to promptly update Your account information (including contact information) to keep it accurate and complete. Following the posting of the amended Agreement by any of the methods described above, continued use of Your Television or any Mobile App, or continued access to Your Roku Account, constitutes Your express agreement to be bound by the terms and conditions of the amended Agreement. You understand that, if You do not agree to the terms and conditions of the amended Agreement, Roku may terminate Your right to use the Software and any Mobile App, limit Your access to Your Roku Account and the Channel Store, and/or cease the provision of updates, upgrades or enhancements to Your Television.

Personal, Non-Commercial Use Only; Copying and Redistribution Prohibited; No Rights Except as Expressly Granted

The Software, the Channel Store and the Mobile Apps are intended for personal, non-commercial use only. You may not use them for any commercial or illegal purpose. Copying or redistribution of the Software, any Mobile App, or of any Content delivered via the Software in the Television is strictly prohibited. You may not use the Television to access or attempt to access any Content outside of the country or location authorized by Roku or the third party who provided such Content. Except as expressly provided under this Agreement, You do not acquire any intellectual property or other proprietary rights in or to the Software, the Channel Store, the Mobile Apps or the Content, including without limitation, any rights in patents, inventions, improvements, designs, trademarks, or copyrights, nor do You acquire any rights in any confidential information or trade-secrets. All rights not expressly granted to You in this Agreement are reserved by Roku or Our respective third party licensors. You may not remove or alter any trademark, logo, copyright or other proprietary notice in or on any Television, Software, Content or Mobile App.

Software Licenses

Software License

The Software is proprietary to Roku or Our respective third party licensors and may be used only with the Television. Subject to the terms of this Agreement and where appropriate, the applicable third party licenses, We grant You a non-exclusive, non-transferable license to run the Software and any updated versions provided to You by Roku, only in and as incorporated in the Television. This is a license and not a sale. You may not (i) copy, sublicense, lease, sell or rent the Software, (ii) distribute or otherwise transfer the Software to any third party except as incorporated in the Television, provided that, You do not retain any copies of the Software and the recipient of the Software reads and agrees to accept the terms and conditions of this Agreement (including all amendments); (iii) modify, adapt, alter, translate, or create derivative works of the Software; (iv) decompile, disassemble, reverse engineer or otherwise derive or attempt to derive source code from the Software; (v) defeat, bypass, circumvent or interfere with any security mechanism or access control measures, or (vi) have any of the foregoing done for You by a third party. This license does not grant any rights to obtaining future upgrades, updates or supplements to any Software.

Software Updates

ROKU RESERVES THE RIGHT TO UPDATE THE SOFTWARE FROM TIME TO TIME IN ITS SOLE DISCRETION, INCLUDING ADDING, CHANGING OR REMOVING FUNCTIONALITIES AND FEATURES, INCLUDING BUT NOT LIMITED TO, CHANGING THE USER INTERFACE OR THE MANNER IN WHICH YOU ARE ABLE TO ACCESS CONTENT VIA THE TELEVISION.

Separately Licensed Code

Notwithstanding the other provisions of this Agreement, certain components of the Software, known as "free" or "open source" software code ("**Separately Licensed Code**"), are subject to separate license terms and are not subject to the license granted above. As required by the terms of the relevant Separately Licensed Code licenses, Roku makes the Separately Licensed Code, and Roku's modifications to it, available on Roku's website at no charge. Please visit www.roku.com/opensource for detailed information on the use of Separately Licensed Code.

Third Party Notices

Some of the technology contained in the Television is subject to third party licenses that require that You be given the following notices:

Hoefler Foundry, Inc., d/b/a Hoefler & Frere-Jones, holds the copyright to the font used in the user interface of the Television.

MPEG LAYER-3 AUDIO CODING TECHNOLOGY LICENSED FROM FRAUNHOFER IIS AND THOMSON.

THE TELEVISION IS LICENSED UNDER THE AVC PATENT PORTFOLIO LICENSE FOR THE PERSONAL AND NON-COMMERCIAL USE OF A CONSUMER TO (i) ENCODE VIDEO IN COMPLIANCE WITH THE AVC STANDARD ("AVC VIDEO") AND/OR (ii) DECODE AVC VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL AND NON-COMMERCIAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED TO PROVIDE AVC VIDEO. NO LICENSE IS GRANTED OR SHALL BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION MAY BE OBTAINED FROM MPEG LA, L.L.C. SEE WWW.MPEGLA.COM.

THE TELEVISION CONTAINS TECHNOLOGY SUBJECT TO CERTAIN INTELLECTUAL PROPERTY RIGHTS OF MICROSOFT. USE OR DISTRIBUTION OF THIS TECHNOLOGY OUTSIDE OF THE TELEVISION IS PROHIBITED WITHOUT THE APPROPRIATE LICENSE(S) FROM MICROSOFT. SOME CONTENT OWNERS USE WINDOWS MEDIA DIGITAL RIGHTS MANAGEMENT TECHNOLOGY (WMDRM) AND OTHERS USE PLAYREADY DIGITAL RIGHTS MANAGEMENT TECHNOLOGY TO PROTECT THEIR INTELLECTUAL PROPERTY, INCLUDING COPYRIGHTS. THE TELEVISION USES WMDRM AND PLAYREADY SOFTWARE TO ACCESS WMDRM-PROTECTED AND PLAYREADY-PROTECTED CONTENT. IF THE WMDRM OR PLAYREADY SOFTWARE FAILS TO PROTECT THE CONTENT, CONTENT OWNERS MAY ASK MICROSOFT TO REVOKE THE SOFTWARE'S ABILITY TO USE WMDRM OR PLAYREADY TO PLAY OR COPY PROTECTED CONTENT. REVOCATION DOES NOT AFFECT UNPROTECTED CONTENT. WHEN YOU DOWNLOAD LICENSES FOR PROTECTED CONTENT, YOU AGREE THAT MICROSOFT MAY INCLUDE A REVOCATION LIST WITH THE LICENSES. CONTENT OWNERS MAY REQUIRE YOU TO UPGRADE WMDRM OR PLAYREADY TO ACCESS THEIR CONTENT. IF YOU DECLINE AN UPGRADE, YOU WILL NOT BE ABLE TO ACCESS CONTENT THAT REQUIRES THE UPGRADE.

USE OF THE TELEVISION IS LIMITED TO PRIVATE NON-PROFESSIONAL USE BY CONSUMERS FOR LICENSED CONTENT. NO RIGHTS ARE GRANTED FOR PROFESSIONAL USE OR FOR USE OF THE TELEVISION IN COMBINATION WITH TELEVISIONS NOT LICENCED UNDER THE MPEG-1 OR MPEG-2 AUDIO STANDARDS.

THE TELEVISION CONTAINS TECHNOLOGY SUBJECT TO CERTAIN INTELLECTUAL PROPERTY RIGHTS OF SIGMA DESIGNS, INC. AND ITS LICENSORS. ANY USE OR DISTRIBUTION APART FROM THE TELEVISION, AND ANY MODIFICATION, ALTERATION, REVERSE-ENGINEERING, DECOMPILIING, DISASSEMBLING OR ATTEMPT TO DERIVE THE SOURCE CODE OF THE INTELLECTUAL PROPERTY OF SIGMA DESIGNS, INC. OR ITS LICENSORS, ARE STRICTLY PROHIBITED EXCEPT AS AUTHORIZED BY SIGMA DESIGNS, INC. WITH RESPECT TO YOU, SIGMA DESIGNS, INC. AND ITS LICENSORS, SIGMA DESIGNS, INC. AND ITS LICENSORS OWN THE TITLE TO ALL INTELLECTUAL PROPERTY RIGHTS IN THE TECHNOLOGY DESCRIBED IN THIS PARAGRAPH.

Access to Content: Roku Accounts

Additional Definitions Applicable to this Section:

- "**Fee-Based Programming**" means the specific Content available to end users of the Television who agree to pay the applicable fee to access the Content.
- "**One-Time Fee**" means a single one-time charge payable for access to selected Fee-Based Programming.
- "**Private Channel**" means a Channel which may be accessed by entering a developer-provided linking code on the Roku website.
- "**Public Channel**" means a Channel that is generally available to all Roku users and is visible in the Channel Store.
- "**Subscription Fee**" means a monthly or annual fee charged for access to selected Fee-Based Programming.

Establishing an Account

The Television is enabled to permit Your access to Content provided by various Content Providers. In order to access Content, You are required to establish a Roku Account at owner.roku.com and provide Your credit card number or PayPal account information against which Your Fee-Based Programming fees will be charged. At Your option, a PIN code may be required to access certain Fee-Based Programming. If You prefer to use a PIN, You will choose Your PIN when establishing Your Roku Account preferences. Through Your Roku Account, You will be provided the opportunity to review monthly summaries of Your charges. In addition, for some of the Content, You may be required to maintain a valid and active account in good standing with one or more Content Providers. You must adhere to Roku's terms of service and to the terms of service of any Content Provider whose Content You choose to access. See www.roku.com/channels#!now-playing for a list of Content Providers for the Television. Roku may add or remove Content Providers, Channel and/or Content from time to time, in its sole discretion. Roku reserves the right to remove, from Your Television, Your access to any Content and/or Channel if Roku has reason to believe that the Television is stolen, hacked or compromised, or that the Content or Channel is not properly authorized or licensed, violates any law, or has been offered by a Content Provider in violation of any agreement between the Content Provider and Roku. You are responsible for ensuring that any age-restricted Content is not viewed by any person not meeting the applicable age limits, as specified by law, regulation or the Content Provider.

Fees and Charges

Where Roku manages the handling and processing of Your payments for Fee-Based Programming, the following terms apply:

- *One-Time Fee Programming*. For Public Channels, Your account will be charged in full when You confirm Your purchase of access to the Channel. For Private Channels, You will be charged after the Channel appears as an option in Your Channel line-up and after You have confirmed Your purchase of access to the Channel. For the Content and services purchased from within any Public Channel or Private Channel, Your account will be charged in full when You confirm the purchase.
- *Subscription Fee Programming*. The timing of Your initial selection of subscription Fee-Based Programming will provide the basis for Your billing dates for all future monthly and yearly Subscription Fees. All Subscription Fees will be charged for the full term of the applicable subscription period, i.e., for the month or year, as applicable, at the time You order the subscription, except where pro-rated monthly billing applies. Where the first month is pro-rated, the second and all subsequent charges applied to Your account will be for the full monthly or yearly Subscription Fee, as applicable.
- *Sales Tax*. Your purchases may be subject to sales tax, which may not be included in the prices shown on the purchase screen. If an item You purchased is subject to sales tax, such amount will be reflected on the invoice for that purchase. The amount of tax charged on Your purchase will depend upon many factors, including the item purchased and the applicable tax rate in effect at the time of Your purchase. Factors can change between the time You place an order and the time of credit card charge authorization, which could affect the calculation of sales taxes.
- *Subscription Renewals and Cancellations*. All subscriptions will automatically renew until cancelled by You. Details for how to cancel a subscription are available by entering the key words "cancel subscription" in the "Ask a Question" box on www.roku.com/support. If a subscription is cancelled mid-way through a subscription period, the subscription will end at the end of the subscription period. You will continue to receive the Content until the end of the subscription period, and fees for the remainder of the subscription period will not be refunded.
- *Credit/Refund Policy*. Credits and refunds will be issued only in accordance with the terms posted at www.roku.com/support. For details, go to *www.roku.com/support* and enter the key words "credit policy" in the "Ask a Question" box.

Privacy Policy and Consent to Use of Data

Roku's privacy policy, available at www.roku.com/about/privacy ("**Privacy Policy**"), explains Roku's policies regarding the collection, use, and disclosure of information provided by or collected from You via the Television, Roku's websites and/or the Mobile Apps. By agreeing to be bound by the terms and conditions of this Agreement, You are agreeing to the collection, use, and disclosure of Your information as described in the Privacy Policy. You should review the Privacy Policy before establishing Your Roku Account, before linking the Television to any existing Roku Account, and before using the Television and/or Mobile Apps.

Advertising and Promotional Messages

Roku and the Content Providers reserve the rights to deliver and display advertising and promotional messages to You via the Software incorporated in the Television or the Mobile Apps, and to include such advertising and promotional messages in or with any user interface, notice, or Content that is displayed via the Software incorporated in the Television or the Mobile Apps.

No Warranty from Roku

This Agreement governs only Your access to and use of the Software, the Mobile App, the Channel Store, and Your Roku Account. Your warranty with respect to the Television and its operation (including the operation of the Software incorporated in the Television) is provided solely by Insignia as set forth in the Important Product Information Guide, and not by Roku. **Roku offers no warranty to You under this Agreement.**

WITHOUT LIMITING THE GENERALITY OF THE FOREGOING DISCLAIMER, TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THE TELEVISION, THE MOBILE APPS, THE SEPARATELY LICENSED CODE, THE SOFTWARE, THE CHANNEL STORE, AND ANY SERVICES PERFORMED OR PROVIDED BY THE FOREGOING ARE PROVIDED "AS IS" AND "AS AVAILABLE", WITH ALL FAULTS AND WITHOUT WARRANTY OF ANY KIND, AND ROKU HEREBY DISCLAIMS ALL WARRANTIES AND CONDITIONS WITH RESPECT TO ANY OF THE FOREGOING, EITHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES AND/OR CONDITIONS OF MERCHANTABILITY, OF SATISFACTORY QUALITY, OF FITNESS FOR A PARTICULAR PURPOSE, OF RELIABILITY OR AVAILABILITY, OF ACCURACY, OF QUIET ENJOYMENT, OF QUIET POSSESSION, OF WORKMANLIKE EFFORT, OF LACK OF VIRUSES, OR REASONABLE CARE AND SKILL, AND NON-INFRINGEMENT OF THIRD PARTY RIGHTS. ROKU DOES NOT WARRANT (I) AGAINST INTERFERENCE WITH YOUR ENJOYMENT OF THE TELEVISION, THE MOBILE APPS, THE SOFTWARE, THE SEPARATELY LICENSED CODE, OR THE CHANNEL STORE, (II) THAT THE FUNCTIONS CONTAINED IN OR SERVICES PERFORMED OR PROVIDED BY ANY OF THE FOREGOING WILL MEET YOUR REQUIREMENTS, (III) THAT THE OPERATION OF ANY OF THE FOREGOING WILL BE UNINTERRUPTED OR ERROR-FREE, OR (IV) THAT DEFECTS WILL BE CORRECTED. NO ORAL OR WRITTEN INFORMATION OR ADVICE GIVEN BY US OR OUR RESPECTIVE AUTHORIZED REPRESENTATIVES SHALL CREATE ANY WARRANTY.

Some jurisdictions do not allow exclusions or limitations on implied warranties, so the foregoing limitations of warranties may not apply to You. You may also have other rights that vary from jurisdiction to jurisdiction.

Limitation of Liability

TO THE EXTENT NOT PROHIBITED BY APPLICABLE LAW, IN NO EVENT SHALL WE OR OUR RESPECTIVE LICENSORS AND/OR SUPPLIERS BE LIABLE FOR (A) ANY PERSONAL INJURY OR PROPERTY DAMAGE; OR (B) ANY CONSEQUENTIAL, SPECIAL, EXEMPLARY, INCIDENTAL, INDIRECT OR PUNITIVE DAMAGES, OR FOR LOSS OF REVENUE OR PROFITS OR DATA OR USE OR FOR THE COST OF SUBSTITUTE GOODS, REGARDLESS OF THE THEORY (WHETHER BASED IN CONTRACT, TORT (INCLUDING NEGLIGENCE) OR OTHERWISE) ARISING OUT OF, OR IN CONNECTION WITH, ANY TELEVISION, ANY ROKU ACCOUNT, THE CHANNEL STORE, THE MOBILE APPS, THE SOFTWARE, THIRD PARTY CONTENT, THE SEPARATELY LICENSED CODE, OR YOUR USE THEREOF. SOME JURISDICTIONS DO NOT ALLOW LIMITATION OF LIABILITY FOR CERTAIN DAMAGES, SO THE EXCLUSIONS SET FORTH ABOVE MAY NOT APPLY TO YOU. TO THE EXTENT ALLOWED BY LAW, AND OTHER THAN AS MAY BE REQUIRED BY APPLICABLE LAW FOR PERSONAL INJURY CASES, YOU AGREE THAT (I) THE TOTAL CUMULATIVE LIABILITY OF ROKU, ROKU'S LICENSORS AND/OR ROKU'S SUPPLIERS, INCLUDING LIABILITY RELATING TO ANY TELEVISION, ANY ROKU ACCOUNT, THE CHANNEL STORE, THE SOFTWARE, THE THIRD PARTY CONTENT, THE SEPARATELY LICENSED CODE, AND THE MOBILE APPS SHALL NOT EXCEED ONE HUNDRED UNITED STATES DOLLARS (US$100), AND (II) ROKU, ITS LICENSORS AND/OR SUPPLIERS SHALL NOT BE LIABLE TO YOU UNDER THIS AGREEMENT FOR ANY DIRECT DAMAGES ARISING OUT OF, OR IN CONNECTION WITH, THE TELEVISION. YOUR REMEDY, IF ANY, WITH RESPECT TO THETELEVISION, SHALL BE SOLELY AGAINST (A) THE SELLER FROM WHOM YOU PURCHASED IT AND (B) INSIGNIA, AS SET FORTH IN ACCORDANCE WITH THE IMPORTANT PRODUCT INFORMATION GUIDE PROVIDED BY INSIGNIA. THE FOREGOING LIMITATIONS SHALL APPLY EVEN IF THE REMEDY PROVIDED HEREIN FAILS OF ITS ESSENTAIL PURPOSE AND EVEN IF WE OR OUR LICENSORS OR SUPPLIERS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH LIABILITY.

Additional Terms Applicable to Mobile Apps

License

The Mobile Apps are licensed, not sold, to You for use only under the terms of this Agreement. Roku, as the licensor, reserves all rights not expressly granted to You. This license granted to You by Roku for the Mobile Apps is limited to a non-exclusive, non-transferable license to use the Mobile Apps for personal and non-commercial purposes solely on any mobile device that You own or control and as permitted by the usage rules set forth in any application store terms and conditions and only within the country or location authorized by Roku. This license does not grant any rights to obtaining future upgrades, updates or supplements to any Mobile App.

Usage Rules

You may not commercialize the Mobile Apps in any way. You will not, and You will not allow any person to, copy sublicense, lease, sell or rent the Mobile Apps or any part thereof, to analyze it by means of reverse engineering, to decompile, disassemble, attempt to derive the source code of, modify, or create derivative works of the Mobile Apps, or of any updates thereto or any part thereof (except as and only to the extent any foregoing restriction is prohibited by applicable law or to the extent as may be permitted by the licensing terms governing use of any Separately Licensed Code included with a Mobile App). Any attempt to do so is a violation of the rights of Roku and its licensors. If You breach this restriction, You may be subject to prosecution and damages. The terms of this license will govern any upgrades provided by Roku to a Mobile App, unless such upgrade is accompanied by a separate license in which case the terms of that license will govern.

Consent to Use of Data

You agree that Roku or a third party contracted by Roku, may collect and use technical and usage data and related information, including but not limited to, information about Your device, system and software, peripherals and Mobile App usage that is gathered periodically to facilitate the provision of updates, product support and other services (if any) to You related to the Mobile App. Roku may use this and other information it collects about You as described in its Privacy Policy, available at www.roku.com/about/privacy.

Export Controls

You agree not to download any Content, Mobile App, or Software, nor otherwise export or re-export the Television or Mobile Apps or the Software into (or to a national or resident of) Cuba, Iraq, Libya, North Korea, Iran, Syria or any other country as to which the United States has embargoed goods, or to anyone on the U.S. Treasury Department's List of Specially Designated Nationals or the U.S. Commerce Department's Table of Denial Orders. By using the Television, the Channel Store, the Software or the Mobile Apps, You are representing and warranting that You are not located in, under the control of, or a national or resident of any such country or on any such list.

Roku Reserves the Right to Change Policies and Web Pages

The policies and other content of the Roku web pages referred to in this Agreement may be changed by Roku from time to time in its sole discretion, without notice to You.

Dispute Resolution by Binding Arbitration, with Class Action Waiver and Choice of Law

- You and Roku agree to be bound by the procedures set forth below to resolve any and all claims arising out of or relating to any aspect of the relationship between You and Roku, whether based in contract, statute, tort, fraud, misrepresentation or any other legal theory, including but not limited to, claims relating to this Agreement, its formation, enforceability, performance or breach, and claims related to advertising, the Software, the Television, the Channel Store or the Mobile Apps (as applicable). Each such claim is referred to individually as "Claim" and collectively as "Claims".
- **YOU AND ROKU AGREE THAT, EXCEPT FOR THE CLAIMS IDENTIFIED IN PARAGRAPH 4 BELOW, ANY AND ALL CLAIMS BETWEEN YOU AND ROKU SHALL BE FINALLY SETTLED BY BINDING ARBITRATION.** The arbitration shall take place in Santa Clara County, California, and shall be administered by the American Arbitration Association ("AAA") pursuant to the AAA's then-current rules, including (if applicable) the AAA's Supplementary Procedures for Consumer-Related Disputes. Please be aware there is no judge or jury in arbitration. Arbitration procedures are simpler and more limited than the rules applicable in court, and review of the arbitrator's decision by a court is limited. **YOU**

AND ROKU FURTHER AGREE THAT EACH MAY BRING CLAIMS AGAINST THE OTHER ONLY ON AN INDIVIDUAL BASIS AND NOT AS A PLAINTIFF OR CLASS MEMBER IN ANY PURPORTED CLASS OR REPRESENTATIVE ACTION OR PROCEEDING. THE ARBITRATOR MAY NOT CONSOLIDATE OR JOIN MORE THAN ONE PERSON'S CLAIM AND MAY NOT PRESIDE OVER ANY CONSOLIDATED, REPRESENTATIVE OR CLASS PROCEEDING. ALSO, THE ARBITRATOR MAY AWARD RELIEF (INCLUDING MONETARY, INJUNCTIVE OR DECLARATORY RELIEF) ONLY ON AN INDIVIDUAL BASIS AND MAY NOT AWARD ANY FORM OF CONSOLIDATED, REPRESENTATIVE OR CLASS-WIDE RELIEF. Notwithstanding any provision in these terms to the contrary, if the class-action waiver in this provision is deemed invalid or unenforceable, or if an arbitration of a Claim between You and Roku is allowed to proceed on a class basis, then neither You nor Roku are entitled to arbitrate such Claim. This arbitration provision is subject to the Federal Arbitration Act. The arbitrator's award shall be binding on You and Roku, and may be entered in any court of competent jurisdiction.

- Information on AAA and how arbitration is initiated can be found at www.adr.org or by calling 800-778-7879. For Claims between You and Roku of $75,000 or less, You will be responsible for the initial arbitration filing fee, up to the amount of the initial filing fee if You were to initiate a lawsuit against Roku based on such Claims in court. If the arbitrator finds such Claims to be non-frivolous, Roku will pay any difference in such filing fees plus the arbitrator fees. For Claims between You and Roku in excess of $75,000, if You are able to demonstrate that the costs of arbitration will be prohibitive as compared to the costs of litigation, Roku will pay as much of Your actual filing fees and the arbitrator fees for the arbitration as the arbitrator deems necessary to prevent the arbitration from being cost-prohibitive as compared to the cost of litigation.
- This agreement to arbitrate does not apply to any Claim (i) in which a party is attempting to protect its intellectual property rights (such as its patent, copyright, trademark, trade secret, or moral rights, but not including its privacy or publicity rights), or (ii) that may be brought in small-claims court.
- If the agreement between You and Roku to arbitrate in this provision is found to be invalid, unenforceable or inapplicable to a given Claim between You and Roku, then any and all proceedings to resolve such Claim must be brought exclusively in a federal court of competent jurisdiction in the Northern District of California or in a state court in Santa Clara County, California. You hereby irrevocably consent to the exclusive jurisdiction and venue of such courts.
- **30-Day Right to Opt Out**: You have the right to opt out of this agreement to arbitrate by sending a written notice of Your decision to opt out to the following address: Legal Department, Roku Inc., 12980 Saratoga Avenue, Suite D., Saratoga, California 95070; provided that, such notice shall be postmarked on or before the 30th day after the first to occur of the following events: (i) the purchase of Your Television, (ii) Your receipt of the Television, (iii) the establishment of a new Roku Account if You do not already have a Roku Account prior to using Your Television, (iv) using or accessing the Channel Store, or (v) using, accessing or downloading the Software or any Mobile App. Your notice should include Your full name, Your current postal address, telephone number and email address, the product name and serial number for Your Television, and a copy of the original proof of purchase for Your Television. If You timely send a notice in compliance with this paragraph 6, the agreement to arbitrate will not apply to either You or Roku. If You do not timely send this notice, then You agree to be bound by this agreement to arbitrate.
- Notwithstanding any provision in this Agreement to the contrary, You agree that, if Roku seeks to delete or materially modify the agreement to arbitrate described herein, any such deletion or modification will not apply to any individual Claim between You and Roku, of which You have notified Roku prior to such modification.

Choice of Law

This Agreement shall be governed by the laws of the State of California, as if entered into by residents of California, without giving effect to any conflict of laws principles that may provide the application of the law of another jurisdiction.

Miscellaneous

This Agreement is the final, complete and exclusive agreement between You, on the one hand, and Roku and Insignia, on the other hand, relating to the Television, the Channel Store, the Software and the Mobile Apps (as applicable), and supersedes all prior or contemporaneous proposals, advertisements, representations, understandings, or agreements relating thereto, whether oral or written; provided that, notwithstanding the foregoing, this Agreement is not intended to modify or supersede the Important Product Information Guide and other documentation provided to You with the Television. No waiver or modification of this Agreement will be valid unless signed by Roku, Insignia and You. Your right to use the Television, the Software, the Channel Store, Your Roku Account, the Software, or the Mobile Apps (as applicable) will immediately terminate upon Your breach of any applicable provision of this Agreement. The waiver of a breach of any term hereof will in no way be construed as a waiver of any other term or breach hereof. If any provision of this Agreement is held by a court of competent jurisdiction to be invalid or unenforceable, the remaining provisions of this Agreement will remain in full force and effect.

Contact Information

If You desire to contact Roku, please send Your correspondence by mail to

Roku, Inc.

French (Canada)

12980 Saratoga Avenue, Suite D

Saratoga, CA 95070

or by email to customerservice@roku.com.

If You desire to contact Insignia, please send your correspondence by mail to

Best Buy

7601 Penn Ave South,

Richfield, MN 55423 U.S.A.

or by email at http://www.insigniaproducts.com/support.html

FCC Statement

Note: 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/TV technician for help.

Warning

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Cables

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

Canadian Notice

CAN ICES-3 (B)/NMB-3(B)

Standard Television Receiving Apparatus — Appareil de réception télévision ordinaire, Canada BETS-7 / NTMR-7

IC Statement

This device complies with 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 the device.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment.

Macrovision statement

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

U.S. Patent Nos. 5,583,936; 6,836,549; 5,315,448; 6,381,747; 6,501,842; and 7,050,698.

Dolby License Notice and Trademark Acknowledgement

Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

HDMI®

The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

MHL™ (Mobile High-Definition Link)

MHL and the MHL logo are trademarks or registered trademarks of MHL Licensing, LLC in the United States and other countries.

Roku®

Roku and the Roku logo are registered trademarks of Roku, Inc. in the United States and other countries.

One-year limited warranty - Insignia Televisions

Definitions:

Insignia Products ("Insignia") warrants to you, the original purchaser of this new Insignia-branded television ("Product"), that the Product shall be free of defects in the original manufacture of the material or workmanship for a period of one (1) year from the date of your purchase of the Product ("Warranty Period"). For this warranty to apply, your Product must be purchased in the United States or Canada from a Best Buy or Future Shop authorized dealer of Insignia brand products only that are packaged with this warranty statement.

How long does the coverage last?

The Warranty Period lasts for 1 year (365 days) from the date you purchased the Product. Your purchase date is printed on the receipt you received with the Product.

What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Insignia repair center or store personnel, Insignia will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Insignia and are not returned to you. If service of Products or parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Insignia Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

How to obtain warranty service?

If you purchased the Product at a Best Buy or Future Shop retail store location and your television Product has a screen size of less than 42 inches, please take your original receipt and the Product to any Best Buy store. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from a Best Buy or Future Shop online web site, mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

To obtain in-home warranty service for a television with a screen 42 inches or larger, in the United States call 1-888-BESTBUY, Canada call 1-866-BESTBUY for Future Shop call 1-800-663-2275. Call agents will diagnose and correct the issue over the phone or will have an Insignia-approved repair technician dispatched to your home.

Where is the warranty valid?

This warranty is valid only in the United States and Canada at Best Buy branded retail stores or websites to the original purchaser of the product in the country where the original purchase was made.

What does the warranty not cover?

This warranty does not cover:

- Customer instruction/education
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to acts of God, such as power surges
- Accident(s)
- Misuse, unintentional or intentional
- Abuse, unintentional or intentional
- Negligence
- Commercial purposes/use, including but not limited to use in a place of business or in communal areas of a multiple dwelling condominium or apartment complex, or otherwise used in a place of other than a private home.
- Modification of any part of the Product, including the antenna
- Plasma display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).
- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage or power supply
- Outages, static or other problems with over-the-air reception of television broadcast signals.
- Attempted repair by any person not authorized by Insignia to service the Product
- Products sold "as is" or "with all faults"
- Consumables, including but not limited to batteries (i.e. AA, AAA, C etc.)
- Products where the factory applied serial number has been altered or removed
- Loss or Theft of this product or any part of the product
- Failures or Damage caused by any contact including but not limited to liquids, gels or pastes.
- Up to three (3) pixel failures (dots that are dark or incorrectly illuminated) grouped in an area smaller than one tenth (1/10) of the display size or up to five (5) pixel failures throughout the display. (Pixel based displays may contain a limited number of pixels that may not function normally.)
- Problems with delay in motion or action of video images while playing first-person style video games.

REPAIR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY FOR BREACH OF WARRANTY. INSIGNIA SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, LOST DATA, LOSS OF USE OF YOUR PRODUCT, LOST BUSINESS OR LOST PROFITS. INSIGNIA PRODUCTS MAKES NO OTHER EXPRESS WARRANTIES WITH RESPECT TO THE PRODUCT, ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE WARRANTY PERIOD. SOME STATES, PROVINCES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

Contact Insignia:

For customer service please call 1-877-467-4289

www.insigniaproducts.com

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