



LED TV

User Guide

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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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.
- Consider using a TV wall anchor (not included) to limit the possibility of it being tipped, pushed, pulled, or knocked over.



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.

Important Safety Instructions

Read all instructions before use.

Keep these instructions.

⚠ CAUTION: Electric shock hazard - do not open

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.

⚠ CAUTION

This symbol indicates that dangerous voltage constituting a risk of electric shock is present within your TV.

⚠ CAUTION

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

- 1 Read these instructions.
- 2 Keep these instructions.
- 3 Heed all warnings.
- 4 Follow all instructions.
- 5 Do not use this apparatus near water.
- 6 Clean only with dry cloth.
- 7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11 Only use attachments/accessories specified by the manufacturer.
- 12 Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13 Unplug this apparatus during lightning storms or when unused for long periods of time.



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- 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 batteries should not be exposed to excessive heat such as sunshine, fire, or the like. Dispose of used battery promptly and correctly, according to local environmental laws and guidelines in force.

⚠ CAUTION: Risk of fire or explosion if the battery is replaced by an incorrect type. Use consumer grade, non-rechargeable carbon-zinc or alkaline batteries AAA or AA type.
- 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 No naked flame sources, such as lighted candles, should be placed on the apparatus.
- 19 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

Stability Hazard

A television set may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- ALWAYS use cabinets or stands or mounting methods recommended by the manufacturer of the television set.
- ALWAYS use furniture that can safely support the television set.
- ALWAYS ensure the television set is not overhanging the edge of the supporting furniture.
- ALWAYS educate children about the dangers of climbing on furniture to reach the television set or its controls.
- ALWAYS route cords and cables connected to your television so they cannot be tripped over, pulled, or grabbed.
- NEVER place a television set in an unstable location.
- NEVER place the television set on tall furniture (for example, cupboards, or bookcases) without anchoring both the furniture and the television set to a suitable support.
- NEVER place the television set on cloth or other materials that may be located between the television set and supporting furniture.
- NEVER place items that might tempt children to climb, such as toys and remotes, on the top of the television or furniture on which the television is placed.

If the existing television set is going to be retained and relocated, the same considerations as above should be applied.

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

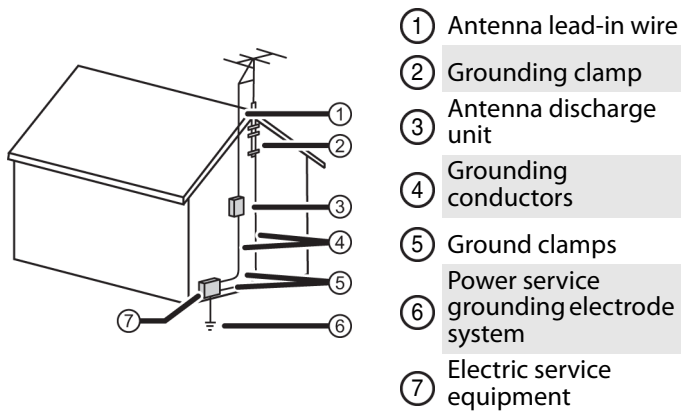
Unplug this TV from the power outlet and refer servicing to qualified service personnel under the following conditions:

- 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.



Note to CATV system installer

Article 820 of the National Electrical Code, ANSI/NFPA No. 70 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.

Access the Roku TV User Guide

Visit <https://go.roku.com/tvmanual> for details.

Introduction

Congratulations on your purchase of a high-quality, Pioneer Roku TV. Your TV comes with the latest technology and state-of-the-art features, including:

- Roku built-In
- Simple remote

TV components

This section covers basic information for:

- [TV front](#)
- [Jacks](#)
- [Remote](#)


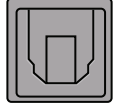






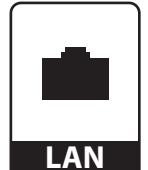
TV front

You can find these items on the front of your TV.

ITEM	DESCRIPTION
Remote sensor	Receives signals from the remote. Do not block.
Power indicator	Turns off when your TV is on. Lights when your TV is off (standby mode).

Jacks

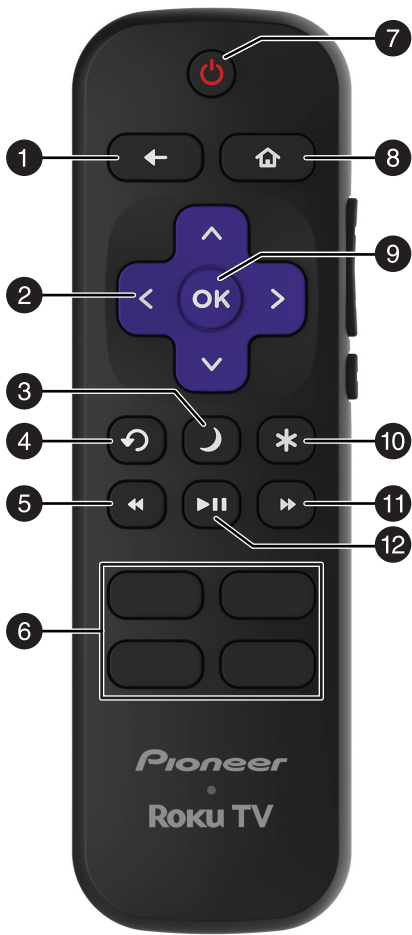
Your TV may have any of the following items:

ITEM	DESCRIPTION	FUNCTION
	Power/Input button	Power —Turns TV power on or off. When your TV is off, the LED indicator on the front of your TV lights red. WARNING: When your TV is off, power still flows through it. To completely disconnect power, unplug the power cord. Input —Quickly press and release to open the <i>Input Selection</i> list, press one or more times to select a video input source, then wait a few seconds. Your TV switches to the source you selected.
	DIGITAL OPTICAL OUTPUT jack	Connect a soundbar, digital speaker system, or home theater system to this jack to listen to TV audio through external speakers. See Digital audio on page 16.
	Headphone jack OR AUDIO OUT jack	On some TVs the headphone jack and audio out jack are combined into one jack. Connect headphones, a soundbar, analog speaker system, or a home theater system to this jack to listen to TV audio through external speakers. See Analog audio on page 17.
	Antenna/Cable in jack	Connect an antenna or cable TV to this jack. See Connecting an antenna or cable TV (no box) on page 11.
	Analog video and audio (AV) jacks	Connect the video and audio for an AV device to these jacks. See AV (good) on page 10, 12, or 13.
	USB	Connect a USB flash drive to this jack to view compatible JPEG picture files and media playback support files. See Connecting a USB flash drive on page 15.
	HDMI	Connect an HDMI device to this jack. See HDMI (best) on page 10, 12, or 13, or Connecting a computer on page 14.
	HDMI eARC (4K models only)/ARC (2K models)	Connect an eARC/ARC-enabled home theater receiver to this jack. OR Connect an HDMI device to this jack. See HDMI (best) on page 10, 12, or 13, or Connecting a computer on page 14. Note: To use HDMI eARC functionality, the connected device must also have HDMI eARC capability. Availability of HDMI eARC port may vary by model.
	ETHERNET (Available only on 4K models)	Connect an Ethernet cable to this jack and to an Ethernet connection. Note: You can use a wired Ethernet connection to access the internet instead of a Wi-Fi connection. Plug an Ethernet cable into the ETHERNET jack on your TV and your Ethernet connection. Availability of Ethernet port may vary by model.

 **CAUTION**

- 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 equipment shown may be different from your equipment. If you have questions, refer to the documentation that came with your equipment.
- Always unplug the power cord when connecting external equipment.

Remote



#	BUTTON	FUNCTION
1	← (back) button	Returns to the previous screen.
2	Navigation button	Moves up, down, left, or right. When using antenna input, the up and down arrows change the channel.
3	☾ (sleep) button	Sets the sleep timer.
4	↺ (instant replay) button	Replays the last few seconds of streaming video.
5	⏮ (rewind) button	Rewinds streaming video or scroll left one page at a time.
6	Partner buttons	Launches the designated app from any screen or when your TV is off.
7	⏻ (power) button	Turns TV power on or off. When your TV is off, the LED indicator on the front of your TV lights.
8	🏠 (home) button	Returns to the Home screen.
9	OK button	Selects an option from a menu.
10	* (options) button	Accesses picture settings, move streaming channel icons, and more.
11	⏭ (fast forward) button	Fast-forwards streaming video or scrolls right one page at a time.
12	▶ (start/pause playback) button	Starts or pauses playback. Also activates the Live TV Pause feature when a 16 GB or larger USB flash drive is attached to your TV. Note: The Live TV Pause feature can pause live antenna TV for up to 90 minutes and requires a valid Roku account.

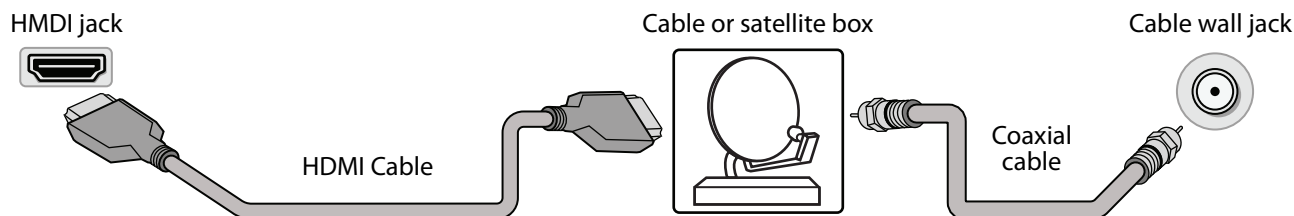
Connecting a cable or satellite box

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. See [Jacks](#) on page 8.

You can connect a cable or satellite box using:

- **HDMI (best)**
- **AV (good)**

HDMI (best)



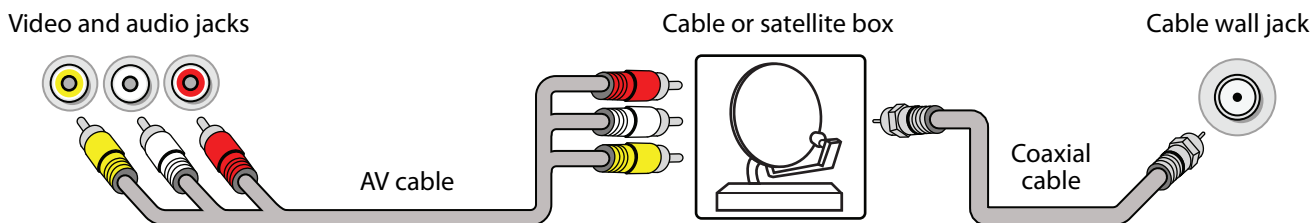
- 1 Make sure that your TV's power cord is unplugged and all connected equipment is turned off.
- 2 Connect a coaxial cable (not provided) to the cable wall jack and to the cable-in jack on the cable or satellite box.
- 3 Connect an HDMI cable (not provided) to one of the **HDMI** jacks on your TV and to the HDMI out jack on the cable or satellite box.
- 4 Plug your TV's power cord into a power outlet, turn on your TV, then turn on the cable or satellite box.
- 5 On the **HOME** screen, navigate to the **INPUTS** row, then select **HDMI1 (eARC/ARC)**, **HDMI2**, or **HDMI3**.

Notes:

- An HDMI cable carries both audio and video. You do not need to use any audio cables if you are using HDMI.
- To use eARC/ARC functionality the connected device must also have HDMI eARC/ARC capability. Both devices need to be plugged into HDMI eARC/ARC jacks.

AV (good)

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

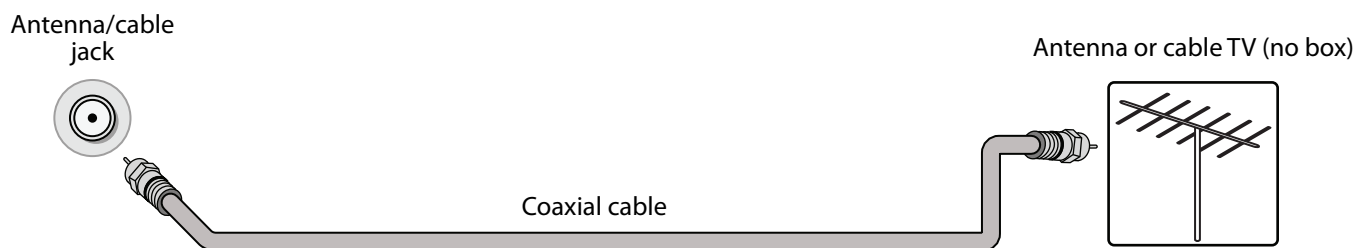


- 1 Make sure that your TV's power cord is unplugged and all connected equipment is turned off.
- 2 Connect a coaxial cable (not provided) to the cable wall jack and to the cable-in jack on the cable or satellite box.
- 3 Connect an AV cable (not provided) to the AV jacks on your TV and to the AV out jacks on the cable or satellite box.

IMPORTANT: When you connect the audio using the AV jacks, the audio output is analog.

- 4 Plug your TV's power cord into a power outlet, turn on your TV, then turn on the cable or satellite box.
- 5 On the **HOME** screen, navigate to the **INPUTS** row, then select **Composite**.

Connecting an antenna or cable TV (no box)



- 1 Make sure that your TV's power cord is unplugged and all connected equipment is turned off.
- 2 Connect a coaxial cable (not provided) to the antenna/cable jack on your TV and to the antenna or cable TV wall jack.
- 3 Plug your TV's power cord into a power outlet, then turn on your TV.

Notes:

- Use a coaxial cable to eliminate interference and noise from radio waves.
- 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.

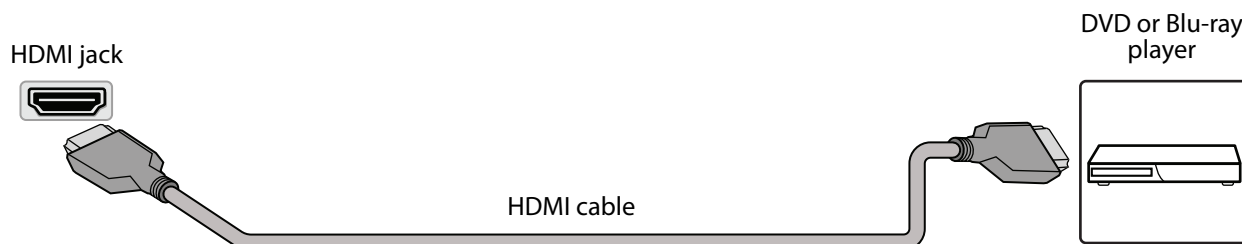
Connecting a DVD or Blu-ray player

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. See [Jacks](#) on page 8.

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

- **HDMI (best)**
- **AV (good)**

HDMI (best)

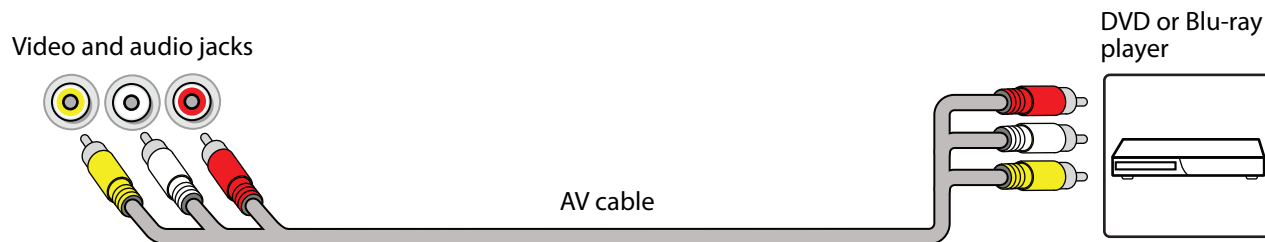


- 1 Make sure that your TV's power cord is unplugged and the DVD or Blu-ray player is turned off.
- 2 Connect an HDMI cable (not provided) to one of the **HDMI** jacks on your TV and to the HDMI out jack on the DVD or Blu-ray player.
- 3 Plug your TV's power cord into a power outlet, then turn on your TV and DVD or Blu-ray player.
- 4 On the **HOME** screen, navigate to the **INPUTS** row, then select **HDMI1 (eARC/ARC)**, **HDMI2**, or **HDMI3**.

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

AV (good)

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



- 1 Make sure that your 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 AV jacks on your TV and to the AV out jacks on the DVD or Blu-ray player.

IMPORTANT: When you connect the audio using the AV jacks, the audio output is analog.

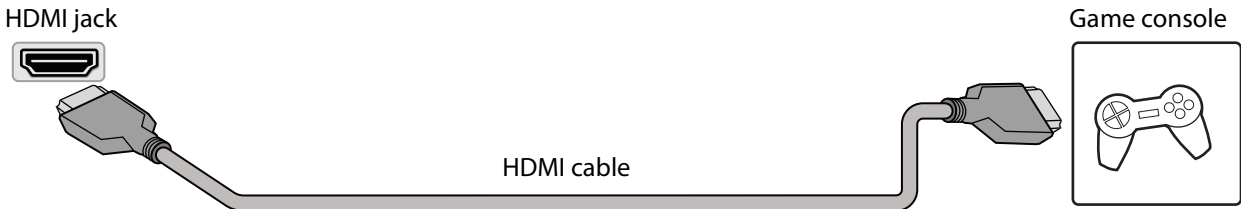
- 3 Plug your TV's power cord into a power outlet, then turn on your TV and DVD or Blu-ray player.
- 4 If needed, set the player to the correct output mode. See the documentation that came with the player.
- 5 On the **HOME** screen, navigate to the **INPUTS** row, then select **Composite**.

Connecting a game console

You can connect a game console using:

- HDMI (best)
- AV (good)

HDMI (best)

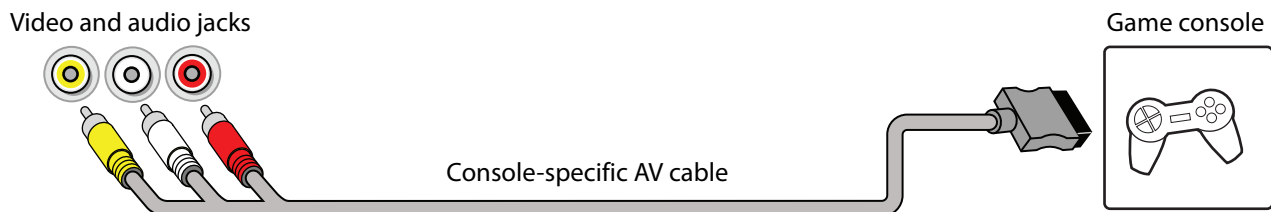


- 1 Make sure that your TV's power cord is unplugged and the game console is turned off.
- 2 Connect an HDMI cable (not provided) to one of the **HDMI** jacks on your TV and to the HDMI out jack on the game console.
- 3 Plug your TV's power cord into a power outlet, then turn on your TV.
- 4 Turn on the game console, then set it to the correct output mode. See the documentation that came with the console.
- 5 On the **HOME** screen, navigate to the **INPUTS** row, then select **HDMI1 (eARC/ARC), HDMI2, or HDMI3**.

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

AV (good)

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



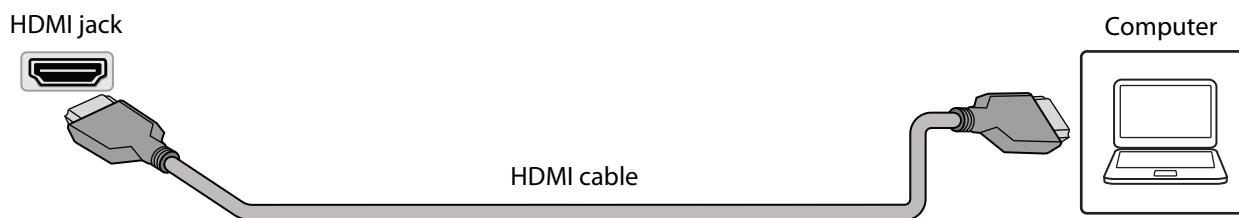
- 1 Make sure that your TV's power cord is unplugged and the game console is turned off.
- 2 Connect the console-specific AV cable to the AV jacks on your TV and to the AV jack(s) on the game console.

IMPORTANT:

- Some older game consoles come with a special AV cable. See the documentation that came with your game console or check the manufacturer's website.
- When you connect the audio using the AV jacks, the audio output is analog.

- 3 Plug your TV's power cord into a power outlet, then turn on your TV.
- 4 Turn on the game console, then set it to the correct output mode. See the documentation that came with the console.
- 5 On the **HOME** screen, navigate to the **INPUTS** row, then select **Composite**.

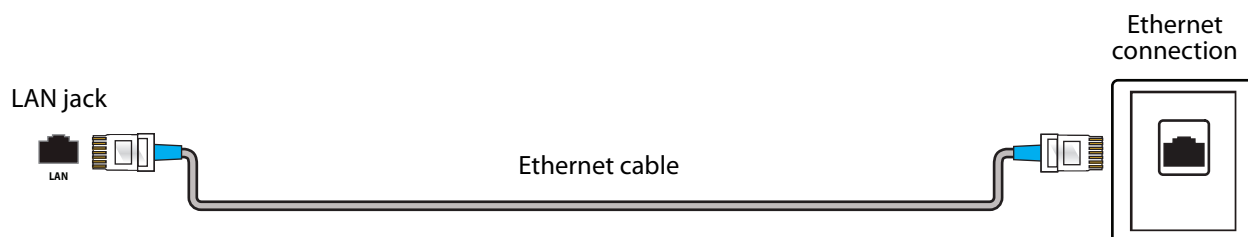
Connecting a computer



- 1 Make sure that your TV's power cord is unplugged and the computer is turned off.
- 2 Connect an HDMI cable (not provided) to one of the **HDMI** jacks on your TV and to the HDMI out jack on the computer.
- 3 Plug your TV's power cord into a power outlet, then turn on your TV and the computer.
- 4 On the **HOME** screen, navigate to the **INPUTS** row, then select **HDMI1 (eARC/ARC)**, **HDMI2**, or **HDMI3**.
- 5 Adjust the display properties on the computer, if necessary.

Connecting to Ethernet (optional)

To access the Internet, you must connect to a LAN (Ethernet) network or use Wi-Fi to access the Internet.



- Connect an Ethernet cable (not provided) to the LAN jack on your TV and to your Ethernet connection.
- Ethernet is a model-specific feature and may not be available on your TV.

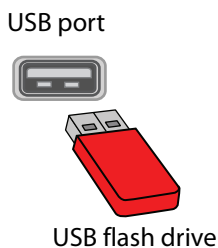
Connecting to Wifi

Note: WIFI signals can be inconsistent the further away from the source, and can be impacted by walls/ floors between the TV and the source.

To access the internet, you can also connect to a Wi-Fi network.

- 1 Press the **Home** button on your Roku remote, then go to **Settings**.
- 2 Select **Network**.
- 3 Go to **Set up connection** and choose **Wireless**.
- 4 Find your WiFi network and select it.
- 5 Enter your WiFi password, then press **Connect**.

Connecting a USB flash drive



- 1 Plug a USB flash drive into the **USB** port on your TV.

CAUTION

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

- 2 The TV's media player supports viewing JPEG photos and mp4 video files.

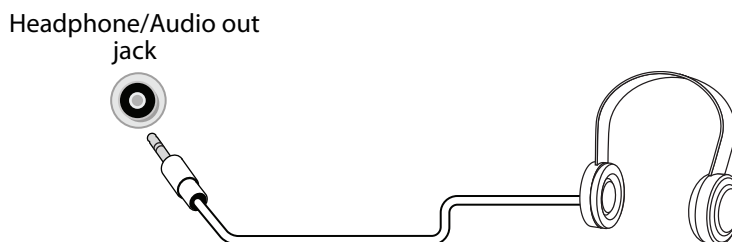
Note: The **Photos** viewer only supports JPEG format images (with ".jpg" file extensions) and not all JPEG files are compatible with your TV.

Connecting headphones

When you connect headphones, the built-in speakers are muted.

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 headphone jack on your TV.

Notes:

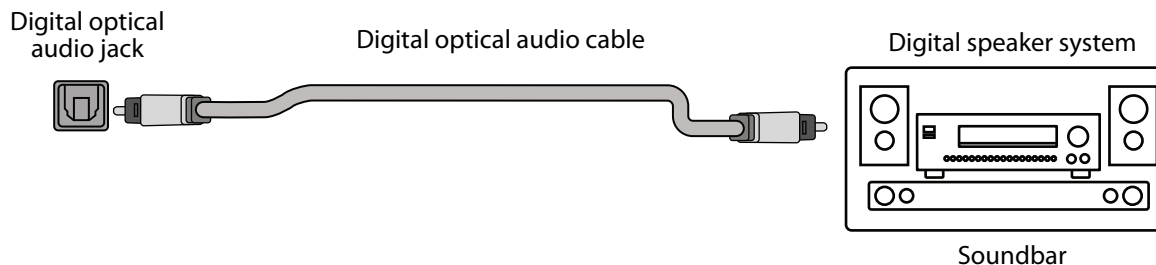
- If you connect headphones when your TV is turned off, then you turn on your TV, the built-in speakers are muted and the audio plays through the headphones.
- You can also connect a home theater system, soundbar, or external speaker system to the headphone jack.

Connecting external speakers or a soundbar

You can connect external speakers or a soundbar using:

- Digital audio
- Analog audio

Digital audio



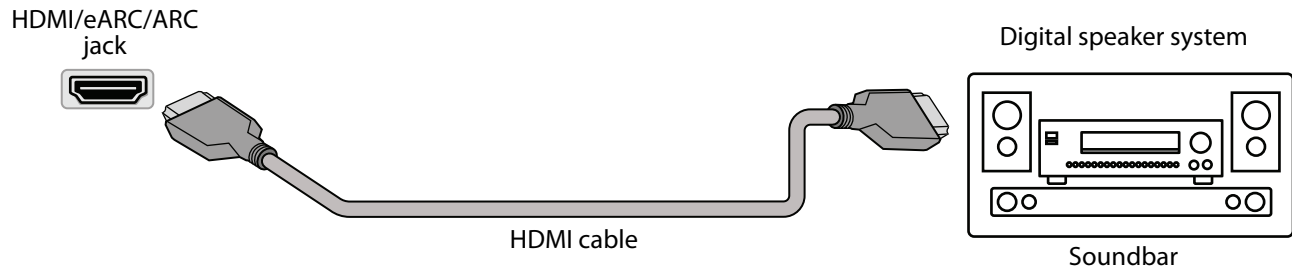
- 1 Make sure that your TV's power cord is unplugged and the digital speaker system or soundbar is turned off.
- 2 Connect a digital optical audio cable (not provided) to the digital output jack on your TV and to the audio in jack on the digital speaker system or soundbar.
- 3 Plug your TV's power cord into a power outlet, then turn on your TV.
- 4 Turn on the digital speaker system or soundbar, then set it to the correct source. See the documentation that came with the digital speaker system or soundbar.

Note:

- Depending on the audio device you are connecting, you may need to change the digital audio format for your TV. The default setting is **Auto**.
 - Not all surround sound technology will work as intended using digital optical.
- 5 If you need to change the digital audio format, go to the **Home** menu, select **Settings**, then select **Picture and sound > audio settings > Digital audio output** and change the setting to **Auto**, **PCM**, or **Passthrough**.
 - 6 If you want to turn off your built-in speakers, go the **Home** menu, select **Settings**, then select **Picture and sound > audio settings > Built-in speakers** and change the setting to **OFF**.

Digital audio using the HDMI/eARC/ARC jack

Your TV can send sound to an eARC/ARC device, like an AV receiver, to create a home theater that uses two or more speakers. When you connect external speakers or a soundbar, sound plays through your built-in speakers and the external speakers or soundbar.



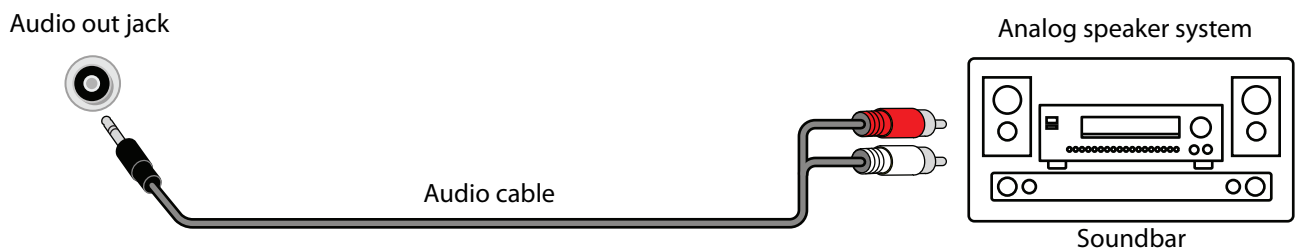
- 1 Make sure that your TV's power cord is unplugged and the digital speaker system or soundbar is turned off.
- 2 Connect an HDMI cable (not provided) to the **HDMI/eARC/ARC** jack on your TV and to the audio in jack on the digital speaker system or soundbar.
- 3 Plug your TV's power cord into a power outlet, then turn on your TV.
- 4 Turn on the digital speaker system or soundbar, then set it to the correct source. See the documentation that came with the digital speaker system or soundbar.

Note: Depending on the audio device you are connecting, you may need to change the digital audio format for your TV. The default setting is **Auto**.

- 5 If you need to change the digital audio format, go to the **Home** menu, select **Settings**, then select **Picture and sound > audio settings > Digital audio output** and change the setting to **Auto**, **PCM**, or **Passthrough**.
- 6 If you want to turn off your built-in speakers, go the **Home** menu, select **Settings**, then select **Picture and sound > audio settings > Built-in speakers** and change the setting to **OFF**.

Analog audio

When you connect an analog speaker system or soundbar to the audio out jack, the built-in speakers are muted.



- 1 Make sure that your TV's power cord is unplugged and the analog speaker system or soundbar is turned off.
- 2 Connect an audio cable (not provided) to the audio out jack on your TV and to the audio in jacks on the analog speaker system or soundbar.
- 3 Plug your TV's power cord into a power outlet, then turn on your TV.
- 4 Turn on the analog speaker system or soundbar, then set it to the correct source. See the documentation that came with the analog speaker system or soundbar.

Connecting power

- 1 If your power cord is not permanently connected to your TV, connect it to the power connector on your TV.
- 2 Connect the power cord to a power outlet.

 **CAUTION**

- Your 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 TV for an extended period of time.
- If the power cord is permanently attached to your TV, do not try to unplug it from your TV.

Programming a universal remote

You can operate your Pioneer Roku TV with a new or existing universal remote.

- 1 If you do not know the remote code:
Contact the universal remote maker.
OR
Contact the cable or satellite company that provided the remote you are trying to program.
- 2 Follow your universal remote's instructions to enter the TV code you found in Step 1.

Tips:

- If your universal remote has a code search feature, run a code search to identify a code that matches your TV. See your universal remote's instructions for details.
- If your universal remote has a "Learn" feature, you can manually program it using the Pioneer Roku TV remote to "teach" the commands one at a time. See your universal remote's instructions for details.

Setting up your TV

- 1 Make sure that you have connected the power cord to your TV and that you turned on your TV.
- 2 Make sure that you have installed the batteries in your new remote.
- 3 Select your Wi-Fi network from the networks displayed on the screen.

Note: If your Wi-Fi network is password protected, have your Wi-Fi network password handy to connect your TV to the Internet. If your network is hidden, press **Settings**, select **Connect to a private network**, and then enter your network name. If required, enter your network password using the on-screen keyboard.

- 4 You'll be prompted to create a Roku account when you set up your TV. You'll need an email address and password. Saving a payment method makes it easy to rent or buy movies, subscribe to popular channels, and start free trials. No charges will be made without your authorization.

Note: Roku never charges for activation.

Maintaining your TV

- Do not use your TV in areas that are too hot or too cold, because the cabinet may warp or the screen may malfunction. Your TV works best in temperatures that are comfortable to you.
- Do not place your TV in direct sunlight or near a heat source.

Cleaning the 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, dry cloth to dry the cabinet.

Cleaning the TV screen

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

Troubleshooting

Video and audio

PROBLEM	SOLUTION
Picture does not fill the screen. There are black bars around the picture.	<ul style="list-style-type: none"> • Press Settings, select Picture and sound \ settings, then change the settings as needed.
No picture (screen is not lit) and no sound.	<ul style="list-style-type: none"> • Press ⏻ (power) on the TV or the remote. • Make sure that the video cables are connected correctly and securely to your TV. • Make sure that the power cord is plugged into a working outlet. • Press Home, then navigate to the INPUTS row and select the input you want to watch. • Try another channel. The station may be experiencing problems. • Make sure that the incoming signal is compatible. • Make sure that the antenna or cable TV is connected correctly and securely. See Connecting a cable or satellite box on page 10 or Connecting an antenna or cable TV (no box) on page 11.
Dark, poor, or no picture (screen is lit), but sound is good from antenna or other input.	<ul style="list-style-type: none"> • Try another channel. The station may be experiencing problems. • Make sure that the antenna or cable TV is connected correctly and securely. See Connecting a cable or satellite box on page 10 or Connecting an antenna or cable TV (no box) on page 11. • 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. • Make sure that the video cables are connected correctly and securely to your TV. • The video cable(s) you are using may be bad. Try a new set.

PROBLEM	SOLUTION
No color, dark picture, or color is not correct.	<ul style="list-style-type: none"> • Try another channel. The station may be experiencing problems. • Adjust the picture settings. Press Settings, select Picture and sound \ Picture settings, then choose the picture setting you prefer. • Make sure that the video cables are connected correctly and securely to your TV. • Make sure that the antenna or cable TV is connected correctly and securely. See Connecting a cable or satellite box on page 10 or Connecting an antenna or cable TV (no box) on page 11. • 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.
TV or cable channel reception is not good or consistent.	<ul style="list-style-type: none"> • Try another channel. The station may be experiencing problems. • Make sure that the antenna or cable TV is connected correctly and securely. See Connecting a cable or satellite box on page 10 or Connecting an antenna or cable TV (no box) on page 11. • 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.
Dotted lines or stripes appear on the screen.	<ul style="list-style-type: none"> • Make sure that the antenna or cable TV is connected correctly and securely. See Connecting a cable or satellite box on page 10 or Connecting an antenna or cable TV (no box) on page 11. • 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. • Make sure that the video cables are connected correctly and securely to your TV. • The video cable(s) you are using may be bad. Try a new set. • Other devices (for example, a surround sound receiver, external speakers, fans, or hair dryers) may be interfering with your TV. Try turning off one device at a time, then back on to determine which device is causing interference. After you have determined which device is causing interference, move it further from the TV to eliminate the interference.
Video description or voice guide does not work.	<ul style="list-style-type: none"> • Make sure that your TV is not muted and the volume is turned up. • Make sure that the options listed under the Accessibility menu are turned on. Press Settings, then select Accessibility. Make sure that the Audio Description (AD/SAP) and Voice Guidance options are set to On. • Video descriptions are not available on all broadcasts. • Some remote functions are not narrated.
Good picture, but no sound.	<ul style="list-style-type: none"> • Increase the volume. • Make sure that the sound is not muted. • Make sure that you do not have headphones connected. When headphones are connected, the built-in speakers are muted. • Make sure that the Built-in speakers option is not turned off. Press Settings, select Picture and sound \ Audio settings, then select Built-in speakers and change the setting to On. • If you are using a home theater system, soundbar, or external speaker system, make sure it is turned on and is not muted. • If you are using a home theater system, soundbar, or external speaker system and have connected it with a digital optical cable, go to the Home menu, select Settings, then select Display & Sounds. Select Audio Output, then select Digital Audio Format and change the setting to PCM. • Make sure that the audio cables are connected correctly and securely to your TV. • Make sure that the antenna or cable TV is connected correctly and securely. See Connecting a cable or satellite box on page 10 or Connecting an antenna or cable TV (no box) on page 11. • The audio cables you are using may be bad. Try a new set.
Good sound, but poor color.	<ul style="list-style-type: none"> • Adjust the contrast, color, and brightness settings. Press Settings, select Picture and sound \ Picture settings, then choose the picture setting you prefer.

PROBLEM	SOLUTION
Audio noise.	<ul style="list-style-type: none"> Other devices (for example, a surround sound receiver, external speakers, fans, or hair dryers) may be interfering with your 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 the TV to eliminate the interference.
No output from one of the speakers.	<ul style="list-style-type: none"> Make sure that the audio cables are connected correctly and securely to your TV.
Afterimages appear.	<ul style="list-style-type: none"> 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.
Screen turns off automatically after 4 hours.	<ul style="list-style-type: none"> Screen saver mode is activated after 4 hours. To change this setting go to Settings > Network > Bandwidth saver options.

Remote

PROBLEM	SOLUTION
Remote does not work.	<ul style="list-style-type: none"> Make sure that the power cord is plugged into a working outlet. Make sure that there are no obstructions between the remote and the remote sensor on the front of the TV. If you have not paired your TV to the remote, point the remote directly at the remote sensor on your TV. The supplied batteries are wrapped tightly in clear plastic. Make sure that you have removed this plastic from the batteries. Make sure that the batteries are installed correctly. Replace dead batteries with new batteries.

General

PROBLEM	SOLUTION
No power.	<ul style="list-style-type: none"> Make sure that the power cord is plugged into a working outlet. Unplug the power cord, wait 60 seconds, then plug the cord back in and turn on your TV.
A no signal error message is displayed.	<ul style="list-style-type: none"> Press Home, then navigate to the INPUTS row and select the input you want to watch.
After Auto Channel Search, there are no channels.	<ul style="list-style-type: none"> 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 TV. Try replacing the cable between the antenna/cable or cable/satellite box and your TV.
One or more channels do not display.	<ul style="list-style-type: none"> If you are using a cable or satellite box, use the remote that came with that box to change channels. Press Home, then navigate to the INPUTS row and make sure that you have selected the correct input for the device or service you are trying to use.
Reset your Parental Control PIN.	<ul style="list-style-type: none"> If you are having trouble with your password (PIN) for parental controls and viewing restrictions press Home, then select Settings > Parental Controls, then Reset Parental Controls.
TV keeps turning off.	<ul style="list-style-type: none"> Make sure that the sleep timer is not turned on. Press Settings, select Screen Saver \ Sleep timer, then change the settings to Off.

CEC-compatible devices

PROBLEM	SOLUTION
My TV is not displaying the video from the connected CEC device.	<ul style="list-style-type: none"> • Make sure that the HDMI cable is connected securely to your TV and the device. • Make sure that the device is connected to your TV with an HDMI cable. • Make sure that the device is a CEC device. See the documentation that came with the device for more information. • Press Home, then navigate to the INPUTS row and make sure that the correct video input is selected. • On the Home menu, select Settings, then select Antenna and Inputs. Select HDMI-CEC and change the setting to On.
My TV is not playing the audio from the connected CEC device.	<ul style="list-style-type: none"> • Make sure that the HDMI cable is connected securely to your TV and the device. • Make sure that the device is connected to your TV with an HDMI cable. • Make sure that the device is a CEC device. See the documentation that came with the device. • Make sure that the TV volume is turned up and not muted. • Make sure that the Built-in speakers option is not turned off. Press Settings, select Picture and sound \ Audio settings, then select Built-in speakers and change the setting to On. • Make sure that the CEC control is turned on. On the Home menu, select Settings, then select Picture and sound \ Antenna and inputs. Select HDMI-CEC and change the setting to On. • If you have connected an HDMI-CEC audio receiver, adjust the volume on the receiver. When your TV detects an audio receiver, the built-in speakers may turn off and sound plays through receiver speakers only. • If you are using a home theater system, soundbar, or external speaker system, make sure that it is turned on and is not muted. • If you are using a home theater system, soundbar, or external speaker system, make sure that you have selected the correct output mode. • Depending on the digital audio device you have connected, you may need to change the digital audio format for your TV. The default setting is Auto. If you need to change the digital audio format, go to the Home menu, select Settings, then select Picture and sound > Audio settings > Digital audio output and change the setting to Auto, PCM, or Passthrough.
My TV's remote does not control the other device.	<ul style="list-style-type: none"> • Depending on the device, all the buttons may not work. • Make sure that the CEC control feature is turned on. On the Home menu, select Settings, then select Antenna and Inputs. Select HDMI-CEC and change the setting to On. • The device may not support this feature. See the documentation that came with the device for more information.
My connected CEC device does not turn off when I turn off my TV.	<ul style="list-style-type: none"> • Make sure that the CEC control feature is turned on. On the Home menu, select Settings, then select Antenna and Inputs. Select HDMI-CEC and change the setting to On. • The device may not support this feature. See the documentation that came with the device for more information.
My TV does not turn on when I turn on my connected CEC device.	<ul style="list-style-type: none"> • Make sure that the CEC control feature is turned on. On the Home menu, select Settings, then select Antenna and Inputs. Select HDMI-CEC and change the setting to On. • The device may not support this feature. See the documentation that came with the device for more information.

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

Legal notices

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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 receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- It is recommended that you consult a 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

Analog and Digital Television Receiving Apparatus
– Appareil de réception de télévision analogique et numérique,
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.

Restrictions in the 5 GHz band:

The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

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HDMI



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Not all apps and content available in LED TV (UHD).

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For this warranty to apply, your Product must be (i) purchased in the United States or Canada from a Best Buy branded retail store, online at www.bestbuy.com or www.bestbuy.ca, or from Best Buy's Authorized Partner, and (ii) packaged or sold with this warranty statement.

The term "Best Buy", as used in this warranty, refers to Best Buy branded retail stores, www.bestbuy.com, www.bestbuy.ca, and Best Buy's Authorized Partner.

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How long does the coverage last?

The Warranty Period lasts for 1 year (365 days) from the date you purchased the Product or the date of delivery (if later than the date of purchase). Your purchase date is printed on the receipt you received with the Product. In the event that Authorized Partner ceases to sell the covered Pioneer branded product, this warranty shall terminate for that product and there shall be no repair or replacement of 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 Pioneer repair center or store personnel, Pioneer 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 Pioneer 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 Pioneer 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 retail store location or from a Best Buy online website (www.bestbuy.com or www.bestbuy.ca), 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 your Product from an Authorized Partner, call Pioneer at 1-877-467-4289.

To obtain warranty service, in the United States and Canada call 1-877-467-4289. Call agents may diagnose and correct the issue over the phone.

If you purchased the Product from an Authorized Partner other than Best Buy, please call 1-888-BESTBUY in the United States or 1-866-BESTBUY in Canada. You will be asked to provide proof of purchase and to return your Product to Best Buy. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

Where is the warranty valid?

This warranty is valid only in the United States and Canada to the original purchaser of the product from an Authorized Partner, in the country where the original purchase was made.

What does the warranty not cover?

This warranty does not cover:

- Food, beverage, and or medicine loss/spoilage.
- Damage to other products caused by a power surge or other similar issue while connected to the Product.
- Customer instruction/education.
- Installation.
- Set up adjustments.
- Cosmetic damage.
- Damage due to weather, lightning, and other acts of God, such as power surges.
- Accidental damage.
- Misuse.
- Abuse.
- 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.
- 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.
- Damage due to attempted repair by any person not authorized by Pioneer 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.
- Display panels containing 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).
- Failures or Damage caused by any contact including but not limited to liquids, gels or pastes.

Product support 1- 888-287-7658 for US and Canada

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