

TV components

This section covers basic information for:

- TV front
- Jacks
- Remote control










TV front

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

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

Jacks

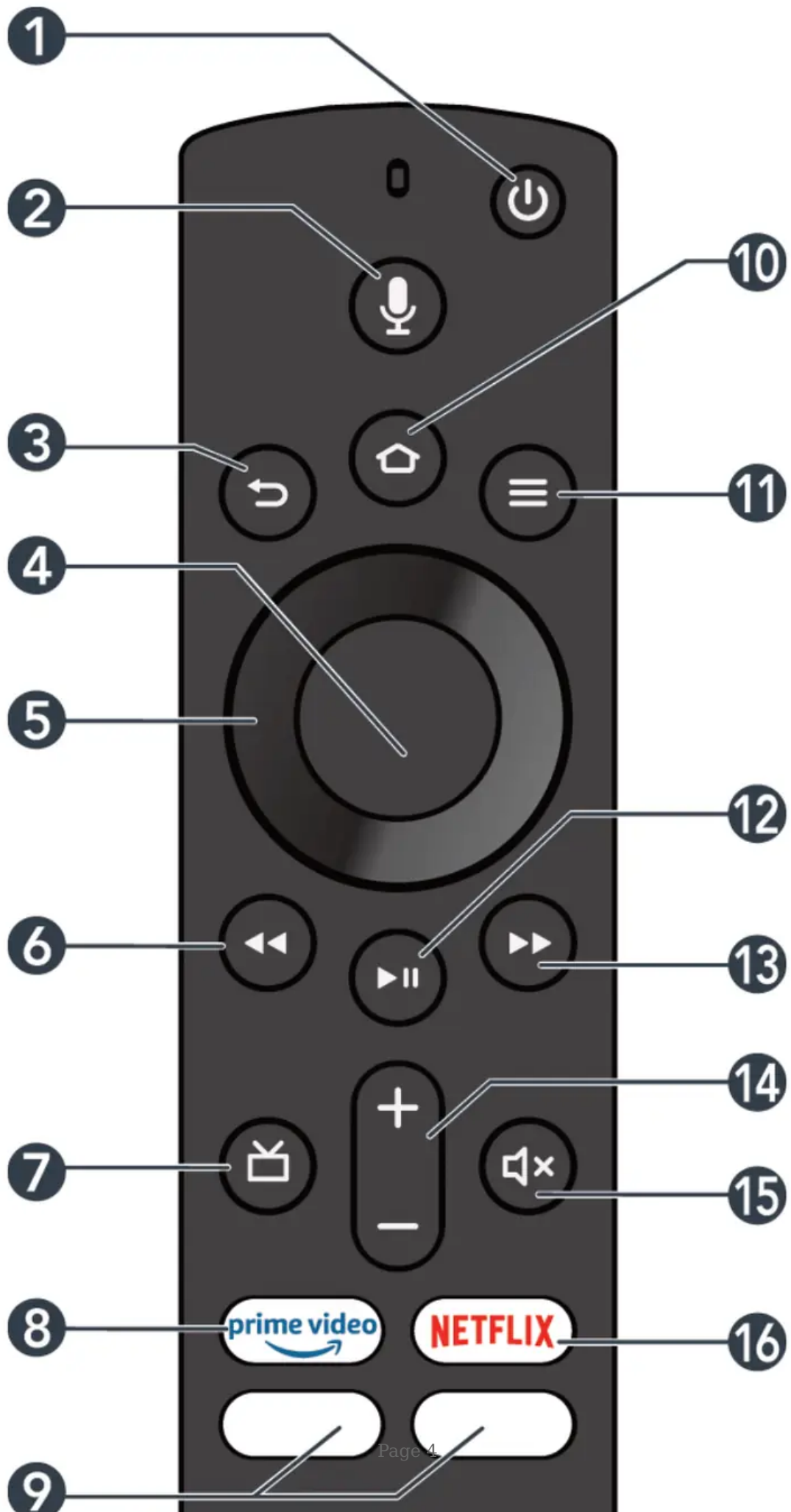
Your TV may have any of the following items:







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 blue. 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 sound bar, digital speaker system, or home theater system to this jack to listen to TV audio through external speakers. See Digital audio on page 18.
	Headphone jack OR AUDIO OUT jack	On some TVs the headphone jack and audio out jack are combined into one jack. Connect headphones, a sound bar, analog speaker system, or a home theater system to this jack to listen to TV audio through external speakers. See Analog audio on page 19.
	Antenna/Cable in jack	Connect an antenna or cable TV to this jack. See Coaxial (good) on page 13 or Connecting an antenna or cable TV (no box) on page 13.
	Analog video and audio (AV) jacks	Connect the video and audio for an AV device to these jacks. See AV (good) on page 12, 14, or 15.
	USB	Connect a USB flash drive to this jack to view compatible JPEG picture files. See Connecting a USB flash drive on page 17.
	HDMI	Connect an HDMI device to this jack. See HDMI (best) on page 12, 14, or 15, or Connecting a computer on page 16.
	HDMI/ARC	Connect an ARC-enabled home theater receiver to this jack. OR Connect an HDMI device to this jack. See HDMI (best) on page 12, 14, or 15, or Connecting a computer on page 16.
	ETHERNET	Connect an Ethernet cable to this jack and to an Ethernet connection.

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 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 control



#	BUTTON	PRESS TO...
1	 (power)	Turn TV power on or off. When your TV is off, the LED indicator on the front of your TV lights.
2	 (Voice)	Hold down to turn on the Alexa-enabled microphone and start voice input. Release the button to end voice input. With Alexa, you can use your voice to search for content, control playback, and more. (Alexa Voice Service requires an Amazon account).
3	 (back)	Return to the previous screen.
4	Select	Confirm a selection or action.
5	Navigation	Move up, down, left, or right.
6	 (rewind)	Skip back (short press) or rewind (long press).
7	 (Guide)	Press to open the live TV Channel Guide.
8		Launch Prime Video from any screen, even when your TV is off.

#	BUTTON	PRESS TO...
9	Streaming app shortcuts	Shows the logo of a featured streaming app and launches the app from any screen, even when your TV is off. The app varies by model.
10	🏠 (Home)	Return to the Home screen (short press) or to open <i>Quick Settings Overlay</i> (long press).
11	☰ (Menu)	Activate on-screen contextual commands.
12	▶ (play/pause)	Start, resume, or pause playback.
13	▶▶ (forward)	Skip forward (short press) or fast forward (long press).
14	+/-	Increase (+) or decrease (-) the volume.
15	🔇:X	Mute or unmute the sound.
16	NETFLIX	Launch Netflix from any screen, even when your TV is off.

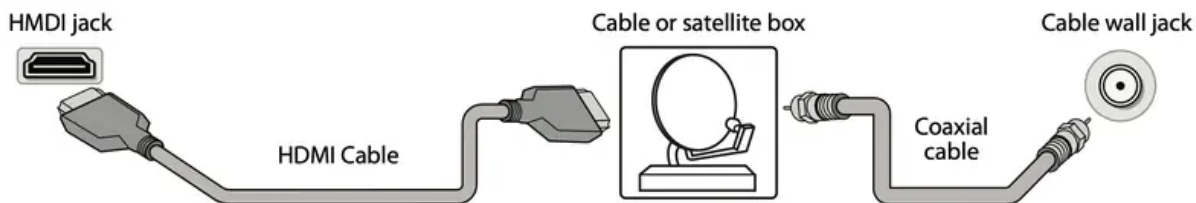
Connecting a cable or satellite box

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 10.

You can connect a cable or satellite box using:

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

HDMI (best)

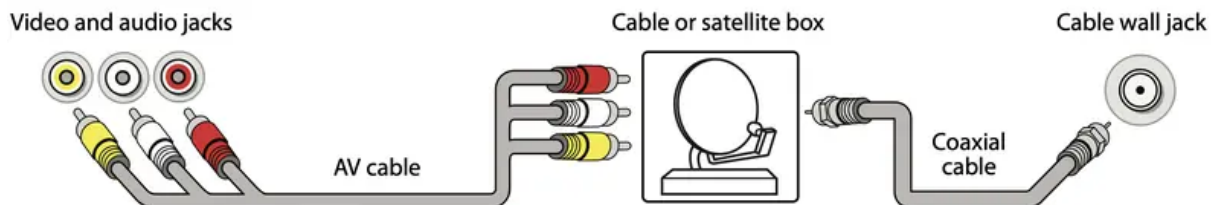


1. Make sure that your TV's power cord is unplugged and all connected equipment is turned off.
2. Connect a coaxial cable (not provided) to the cable wall jack and to the cable-in jack on the cable or satellite box.
3. Connect an HDMI cable (not provided) to one of the HDMI jacks on your TV and to the 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, HDMI2, or HDMI3.

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

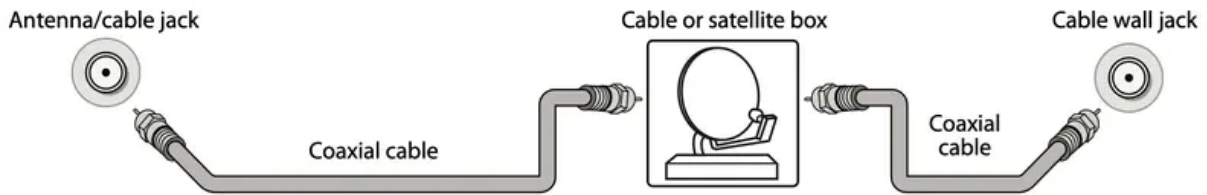
AV (good)

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



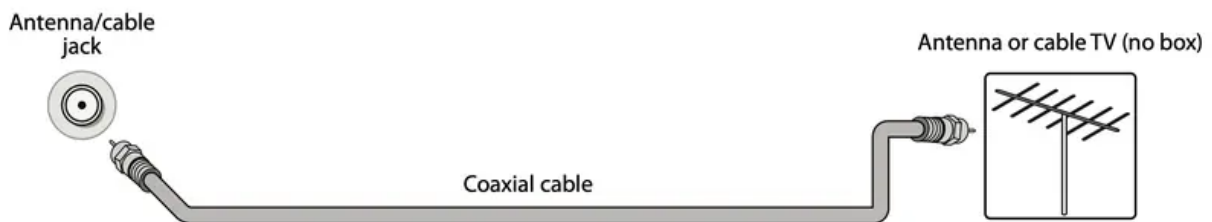
1. Make sure that your TV's power cord is unplugged and all connected equipment is turned off.
2. Connect a coaxial cable (not provided) to the cable wall jack and to the cable-in jack on the cable or satellite box.
3. Connect an AV cable (not provided) to the AV jacks on your TV and to the AV out jacks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

Coaxial (good)



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 another coaxial cable (not provided) to the antenna/cable jack on your TV and to the coaxial 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 Antenna.
6. If you cannot tune to channels you know exist, scan for channels. Go to **Settings > Live TV > Channel Scan**.

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.
4. On the HOME screen, navigate to the INPUTS row, then select Antenna.
5. If you cannot tune to channels you know exist, scan for channels. Go to **Settings > Live TV > Channel Scan**.

Notes:

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

- 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.

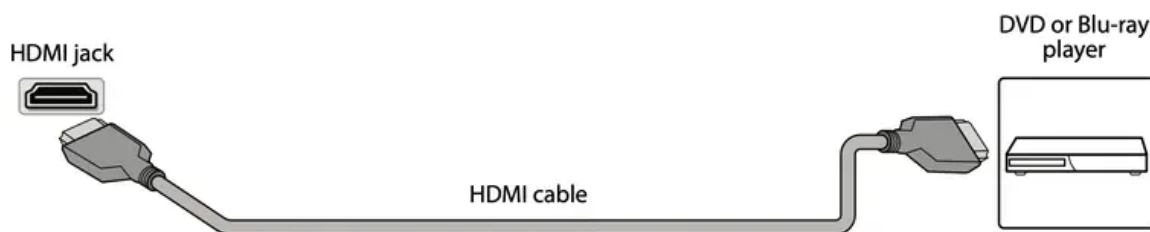
Connecting a DVD or Blu-ray player

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. See Jacks on page 10.

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

- HDMI (best)
- AV (good)

HDMI (best)

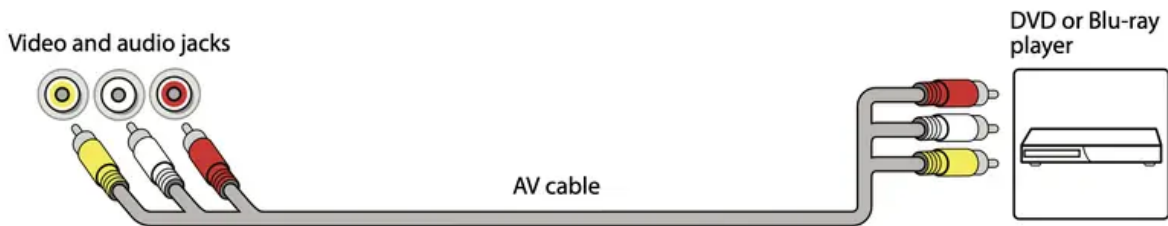


1. Make sure that your TV's power cord is unplugged and the DVD or Blu-ray player is turned off.
2. Connect an HDMI cable (not provided) to one of the HDMI jacks on your TV and to the HDMI out jack on the DVD or Blu-ray player.
3. Plug your TV's power cord into a power outlet, then turn on your TV and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



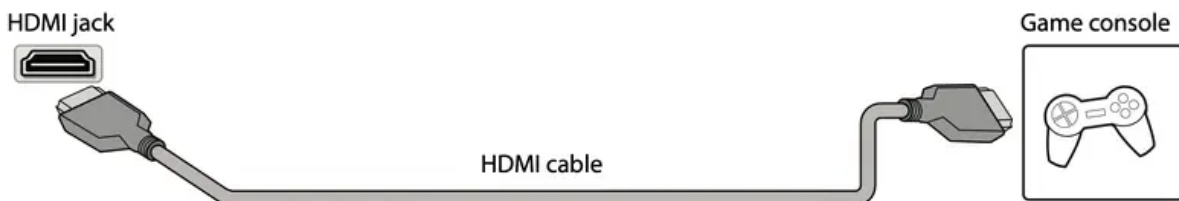
1. Make sure that your TV's power cord is unplugged and the DVD or Blu-ray player is turned off.
2. Connect an AV cable (not provided) to the AV jacks on your TV and to the AV out jacks on the DVD or Blu-ray player.
IMPORTANT: When you connect the audio using the AV jacks, the audio output is analog.
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)



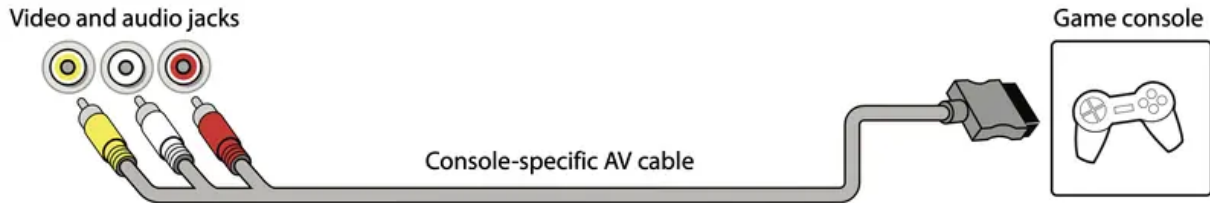
1. Make sure that your TV's power cord is unplugged and the game console is turned off.
2. Connect an HDMI cable (not provided) to one of the HDMI jacks on your TV and to the HDMI out jack on the game console.
3. Plug your TV's power cord into a power outlet, then turn on your TV.

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, 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

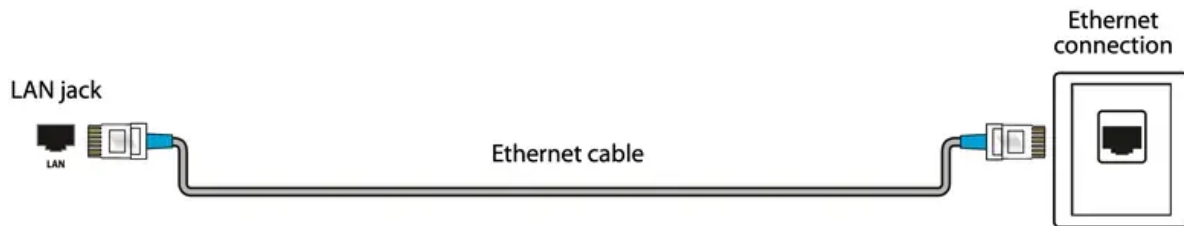


1. Make sure that your TV's power cord is unplugged and the computer is turned off.
2. Connect an HDMI cable (not provided) to one of the HDMI jacks on your TV and to the HDMI out jack on the computer.
3. Plug your TV's power cord into a power outlet, then turn on your TV and the computer.

4. On the HOME screen, navigate to the INPUTS row, then select HDMI1, HDMI2, or HDMI3.
5. Adjust the display properties on the computer, if necessary.

Connecting to Ethernet

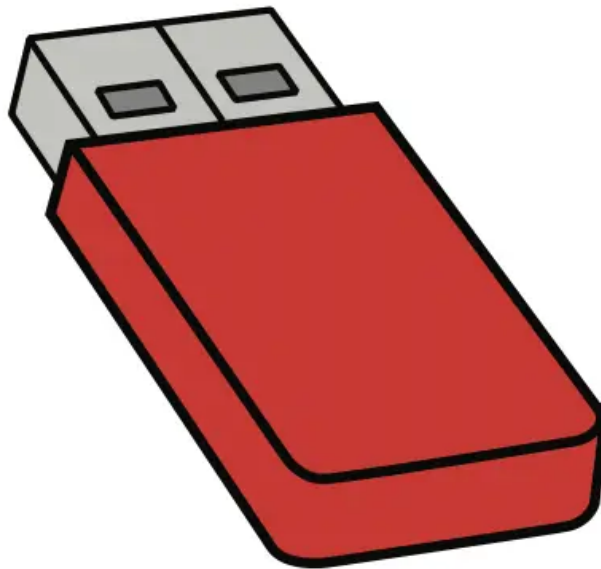
To access the Internet, you must connect to a LAN (Ethernet) network or use Wi-Fi to access the Internet.



- Connect an Ethernet cable (not provided) to the LAN jack on your TV and to your Ethernet connection.

Connecting a USB flash drive

USB port



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. When the “View Pictures” message appears, press MENU. The photos viewer opens.

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 TV 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.

Headphone/Audio out jack



- Connect the headphones to the headphone jack on your TV.

Notes:

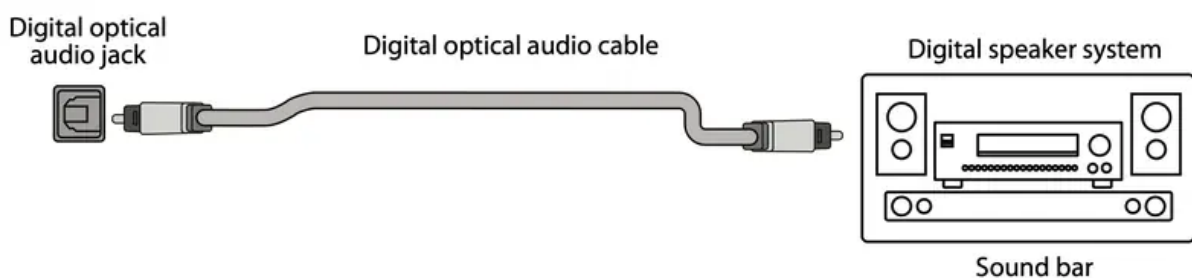
- If you connect headphones when your TV is turned off, then you turn on your TV, the TV speakers are muted and the audio plays through the headphones.
- You can also connect a home theater system, sound bar, or external speaker system to the headphone jack.

Connecting external speakers or a sound bar

You can connect external speakers or a sound bar using:

- Digital audio
- Analog audio

Digital audio

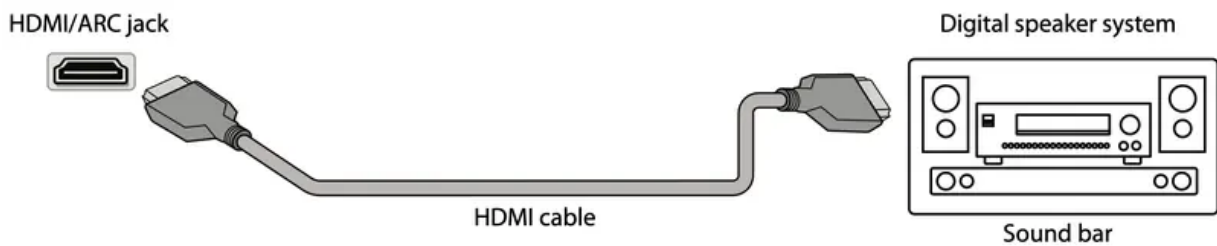


1. Make sure that your TV's power cord is unplugged and the digital speaker system or sound bar is turned off.
2. Connect a digital optical audio cable (not provided) to the digital output jack on your TV and to the audio in jack on the digital speaker system or sound bar.
3. Plug your TV's power cord into a power outlet, then turn on your TV.

4. Turn on the digital speaker system or sound bar, then set it to the correct source. See the documentation that came with the digital speaker system or sound bar.
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 Display & Sounds. Select Audio Output, then select Digital Audio Format and change the setting to PCM or Dolby Digital.
6. If you want to turn off your TV speakers, go the Home menu, select Settings, then select Display & Sounds. Select Audio Output, then select TV Speakers and change the setting to OFF.

Digital audio using the HDMI/ARC jack

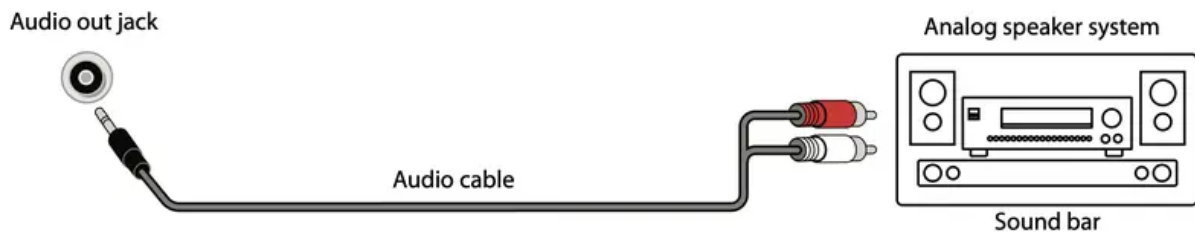
Your TV can send sound to an ARC device, like an AV receiver, to create a home theater that uses two or more speakers. When you connect external speakers or a soundbar, sound plays through your TV speakers and the external speakers or soundbar.



1. Make sure that your 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/ARC jack on your TV and to the audio in jack on the digital speaker system or sound bar.
3. Plug your TV's power cord into a power outlet, then turn on your TV.
4. Turn on the digital speaker system or sound bar, then set it to the correct source. See the documentation that came with the digital speaker system or sound bar.
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 Display & Sounds. Select Audio Output, then select Digital Audio Format and change the setting to PCM or Dolby Digital.
6. If you want to turn off your TV speakers, go the Home menu, select Settings, then select Display & Sounds. Select Audio Output, then select TV Speakers and change the setting to OFF.

Analog audio

When you connect an analog speaker system or sound bar to the audio out jack, the TV speakers are muted.



1. Make sure that your 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 audio out jack on your TV and to the audio in jacks on the analog speaker system or sound bar.
3. Plug your TV's power cord into a power outlet, then turn on your TV.
4. Turn on the analog speaker system or sound bar, then set it to the correct source. See the documentation that came with the analog speaker system or sound bar.

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 control

You can operate your Toshiba TV with a new or existing universal remote control.

1. See the table in Common universal remote control codes on page 21 for common codes. If you have problems programming your remote or need a different remote control code: Contact the universal remote control maker.
OR
Contact the cable or satellite company that provided the remote control you are trying to program. 2

2. Follow your universal remote control's instructions to enter the TV code you found in Step 1.

Tips:

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

Maintaining

- 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 cloth to dry the cabinet.

Cleaning the TV screen

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

Troubleshooting

Video and audio

PROBLEM	SOLUTION
<p>Picture does not fill the screen. There are black bars around the picture.</p>	<ul style="list-style-type: none"> • Press and hold Home until the Quick Settings menu opens. Select Display - Picture Size, then change the setting. If Picture Size is grayed out (not available to select), change the setting for Auto Aspect to Off.
<p>No picture (screen is not lit) and no sound.</p>	<ul style="list-style-type: none"> • Press  (power) on the TV or the remote control. • 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 12 or Connecting an antenna or cable TV (no box) on page 13.
<p>Dark, poor, or no picture (screen is lit), but sound is good.</p>	<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 12 or Connecting an antenna or cable TV (no box) on page 13. • Press and hold Home until the Quick Settings menu opens. Select Display - Picture Size, then change the setting. If Picture Size is grayed out (not available to select), change the setting for Auto Aspect to Off. • 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
<p>No color, dark picture, or color is not correct.</p>	<ul style="list-style-type: none"> • Try another channel. The station may be experiencing problems. • Adjust the picture settings. Press and hold Home until the Quick Settings menu opens. Select Picture, then adjust the Contrast, Brightness, or Color settings. • 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 12 or Connecting an antenna or cable TV (no box) on page 13. • 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.
<p>TV or cable channel reception is not good or consistent.</p>	<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 12 or Connecting an antenna or cable TV (no box) on page 13. • 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.



PROBLEM	SOLUTION
<p>Dotted lines or stripes appear on the screen.</p>	<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 12 or Connecting an antenna or cable TV (no box) on page 13. • 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.
<p>Video description or voice guide does not work.</p>	<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 Home menu, select Settings, then select Accessibility. Make sure that the Voice View and Audio Description options are set to ON. • Video descriptions are not available on all broadcasts. • Some remote functions are not narrated.
<p>Good picture, but no sound.</p>	<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 TV speakers are muted. • Make sure that the TV speakers option are not turned off. Press and hold Home until the Quick Settings menu opens. Select Sound, then select TV 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.



PROBLEM	SOLUTION
	<ul style="list-style-type: none"> • 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 12 or Connecting an antenna or cable TV (no box) on page 13. • 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 and hold Home until the Quick Settings menu opens. Select Picture, then adjust the Contrast, Brightness, or Color settings.
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"> • Adjust the audio balance. Press and hold Home until the Quick Settings menu opens. Select Sound, then select Balance and adjust the setting. • Make sure that the audio cables are connected correctly and securely to your TV.
After images 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.

Remote control

PROBLEM	SOLUTION
Remote control 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 control and the remote control sensor on the front of the TV.• If you have not paired your TV to the remote control, point the remote control directly at the remote control 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



CEC-compatible devices



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

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.

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