

TV components

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

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

Jacks - Your TV may have any of the following items:



Power/Input button:

- Power—Press to turn on your TV when your TV is off (in standby mode). Press and hold to turn off your TV when your TV is on.
- Warning: When your TV is off, power still flows through it. To completely disconnect power, unplug the power cord.
- Input—When your TV is turned on, short press to open the FUNCTION list. Short press this button to move between functions and highlight the function you want, then press and hold this button to select the function. You can select
 - Exit to close the FUNCTION list.
 - Input Source to open the INPUT SOURCE list and select a video input source.
 - Channel List to open the channel list and select a channel.
 - VOL+ to increase the volume.
 - VOL– to decrease the volume.



Digital OPTICAL output jack or



Digital COAXIAL 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.



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.



Antenna/Cable in jack

- Connect an antenna or cable TV to this jack. See Coaxial (good) or Connecting an antenna or cable TV (no box).



Analog video and audio (AV) jacks

- Connect the video and audio for an AV device to these jacks. See AV (good).



USB

- Connect a USB flash drive to this jack to view compatible JPEG picture files. See Connecting a USB flash drive and Using a USB flash drive.



HDMI

- Connect an HDMI device to this jack. See HDMI (best) or Connecting a computer.



HDMI/ARC

- Connect an ARC-enabled home theater receiver to this jack. OR
- Connect an HDMI device to this jack. See HDMI (best) or Connecting a computer.

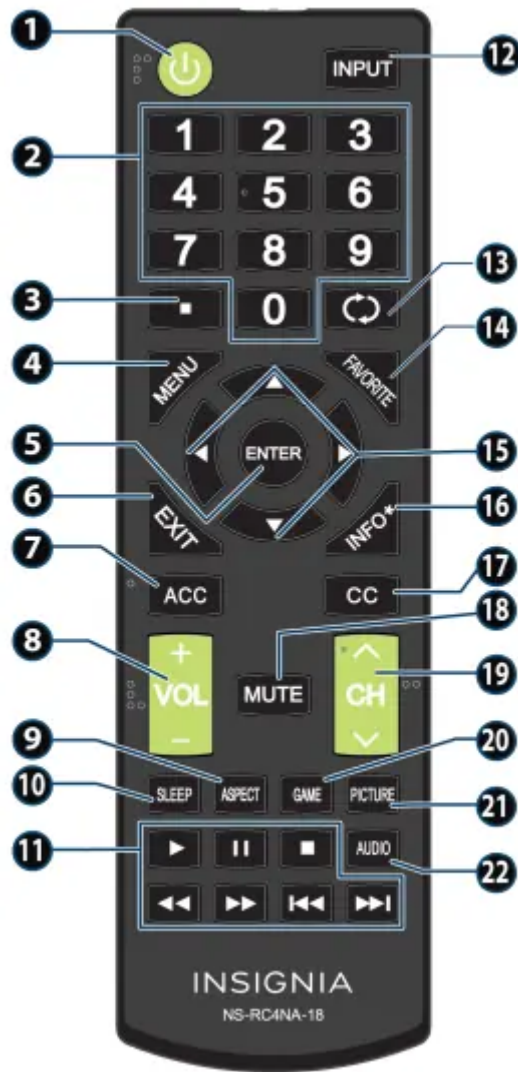
RESET

- Press to reset your TV to the factory defaults. If this button is in a recessed hole, use a thin item, like a paper clip, to press the button.

SERVICE

- Do not connect a device to this jack. Do not insert anything into this jack.

Remote control

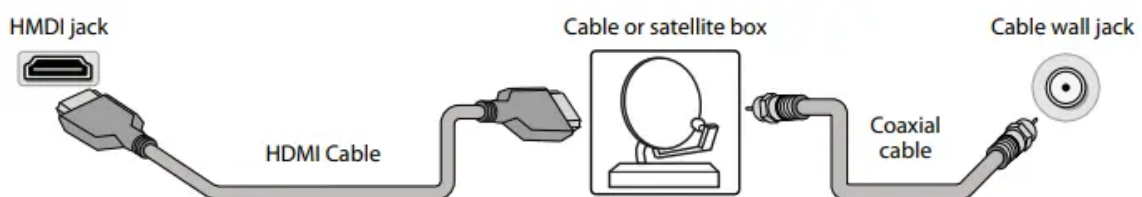


1. **⏻ (power)** - Turn your TV on or off (standby mode). Warning: When your TV is off, power still flows through it. To disconnect power, unplug the power cord.
2. **Numbers** - Enter channel numbers and the parental control password.
3. **■** - Enter a digital sub-channel number. See Selecting a channel.
4. **MENU** - Open the on-screen menu.
5. **ENTER** - Confirm selections or changes in TV menus.
6. **EXIT** - Close the on-screen TV menu.
7. **ACC** - Open the Accessibility menu. See Adjusting accessibility settings.
8. **VOL+/VOL-** TV: Adjusts the volume. TV menu: Navigate left or right. USB: Control a photo slideshow.
9. **ASPECT** - TV: Change how the pictures appears on the screen. USB: Zoom when displaying a photo.
10. **SLEEP** - Set the sleep timer. You can select Off, 5, 10, 15, 30, 60, 90, 120, 180, or 240 minutes.

11. **Media controls** - Control INlink-compatible (HDMI CEC) devices. See Using INlink.
12. **INPUT** - Open the INPUT SOURCE list and select a video input source. See Selecting the video input source.
13. **↺ (return)** - Return to the previous channel.
14. **FAVORITE** - Set up the Favorite channel list or open the existing Favorite channel list. See the Favorite Channel Setup and Favorite Channel List options in Changing channel settings.
15. **▲▼◀▶** - TV menus—Navigate on-screen TV menus and adjust settings. **USB**—Control a photo slideshow.
16. **INFO*** - Display TV status information, such as the channel number, channel name (if available), or signal source. See Viewing channel information.
17. **CC** - Turn closed captioning on or off. You can select CC Off, CC On, or CC On when mute. See the Caption Control option in Using closed captioning.
18. **MUTE** - Mute or un-mute the sound.
19. **CH ▲/CH ▼** - TV: Change to the next higher or lower channel in the channel list. TV menu: Navigate up or down.
20. **GAME** - Change the picture mode to Game mode.
21. **PICTURE** - Select the picture mode. You can select Vivid, Standard, Energy Savings, Movie, Game, or Custom. See the Picture Mode option in Adjusting the TV picture.
22. **AUDIO** - Select the audio mode. You can select Standard, Theater, Music, News, or Custom. See the Audio Mode option in Adjusting sound settings.

Connecting a cable or satellite box

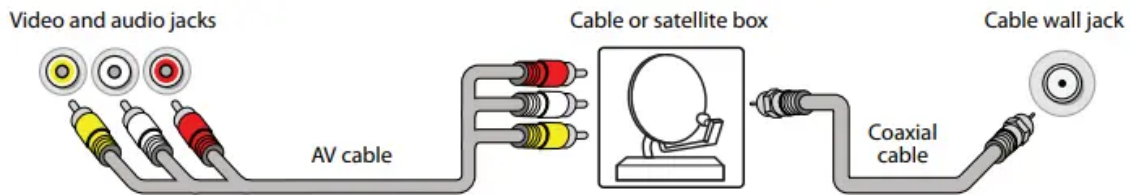
HDMI (best)



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

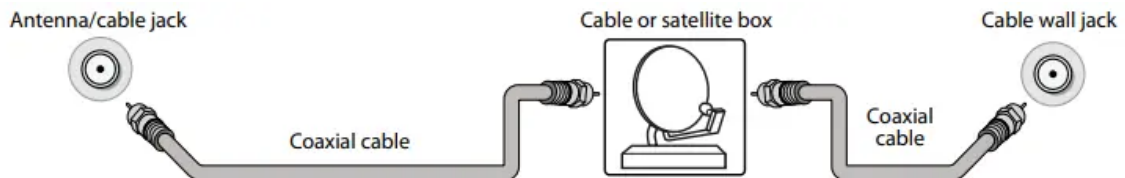
3. Press INPUT to open the INPUT SOURCE list, select the HDMI jack you connected the cable or satellite box to, then press ENTER.

AV (good)



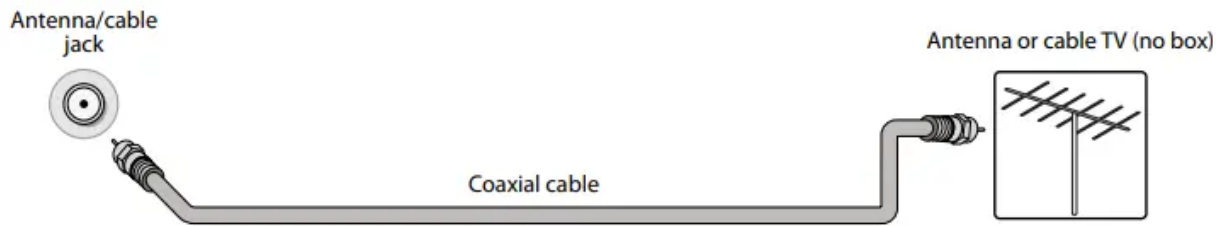
1. Make sure that your TV's power cord is unplugged and all connected equipment is turned off.
2. Connect a coaxial cable (not provided) to the cable wall jack and to the cable-in jack on the cable or satellite box.
3. Connect an AV cable (not provided) to the AV jacks on your TV and to the AV out jacks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

Coaxial (good)



1. Make sure that your TV's power cord is unplugged and all connected equipment is turned off.
2. Connect the coaxial cable to the cable wall jack and to the cable-in jack on the cable or satellite box.
3. Connect a 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. Press INPUT to open the INPUT SOURCE list, select TV, then press ENTER.
6. If you cannot tune to channels you know exist, scan for channels. See the Auto Channel Search option in Changing channel settings

Connecting an antenna or cable TV (no box)



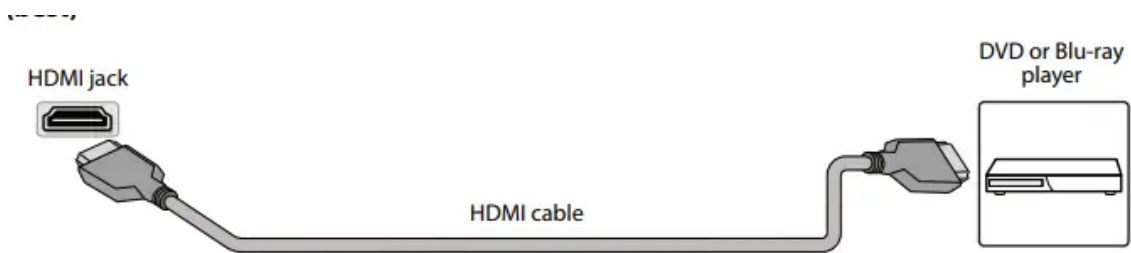
1. Make sure that your TV's power cord is unplugged and all connected equipment is turned off.
2. Connect a coaxial cable (not provided) to the antenna/cable jack on your TV and to the antenna or cable TV wall jack.
3. Plug your TV's power cord into a power outlet, then turn on your TV.
4. Press INPUT to open the INPUT SOURCE list, select TV, then press ENTER.
5. If you cannot tune to channels you know exist, scan for channels. See the Auto Channel Search option in Changing channel settings

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

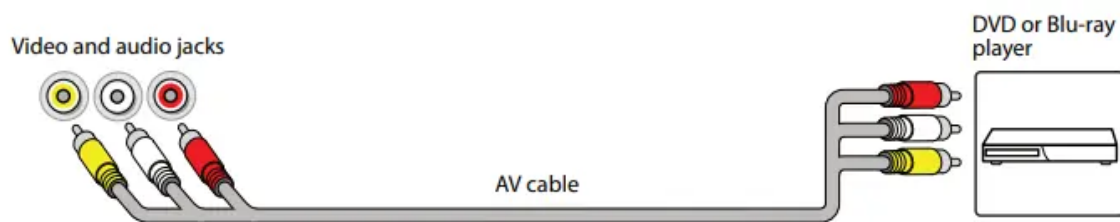
Connecting a DVD or Blu-ray player

HDMI (best)



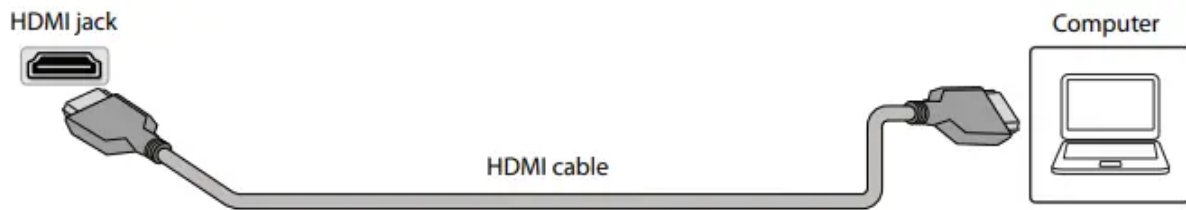
1. Make sure that your TV's power cord is unplugged and the DVD or Blu-ray player is turned off.
2. Connect an HDMI cable (not provided) to one of the HDMI jacks on your TV and to the HDMI out jack on the DVD or Blu-ray player.
3. Plug your TV's power cord into a power outlet, then turn on your TV and DVD or Blu-ray player.
4. Press INPUT to open the INPUT SOURCE list, select the HDMI jack you connected the player to, then press ENTER.

AV (good)



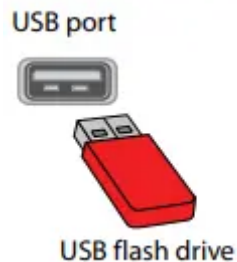
1. Make sure that your TV's power cord is unplugged and the DVD or Blu-ray player is turned off.
2. Connect an AV cable (not provided) to the AV jacks on your TV and to the AV out jacks on the DVD or Blu-ray player.
3. Plug your TV's power cord into a power outlet, then turn on your TV and DVD or Blu-ray player.
4. If needed, set the player to the correct output mode. See the documentation that came with the player.
5. Press INPUT to open the INPUT SOURCE list, select AV, then press ENTER.

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. Press INPUT to open the INPUT SOURCE list, select the HDMI jack you connected the computer to, then press ENTER.
5. Adjust the display properties on the computer, if necessary

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. Select Yes in the message that appears. The PHOTOS menu opens. OR If you switch to a different video input source after you plug in the USB flash drive and want to switch back to the drive, press INPUT to open the INPUT SOURCE list, select USB(Photos), then press ENTER. The PHOTOS menu opens.

Connecting headphones

When you connect headphones, the TV speakers are muted.

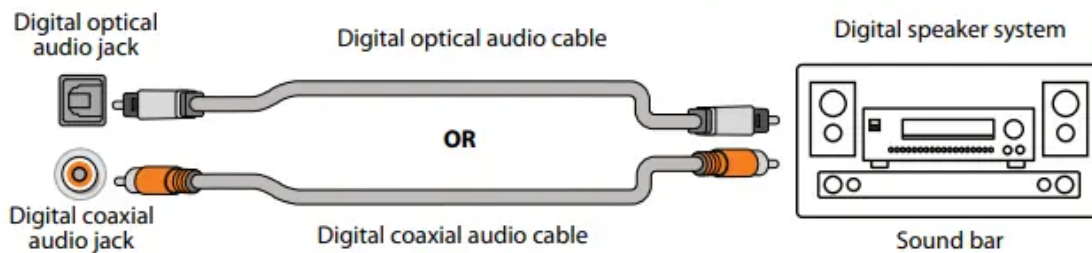


1. Connect the headphones to the headphone jack on your TV.
2. In the screen that opens, select Headphones/Audio Out Variable, then press ENTER.
See Selecting the audio out mode.

Connecting external speakers or a sound bar

Digital audio

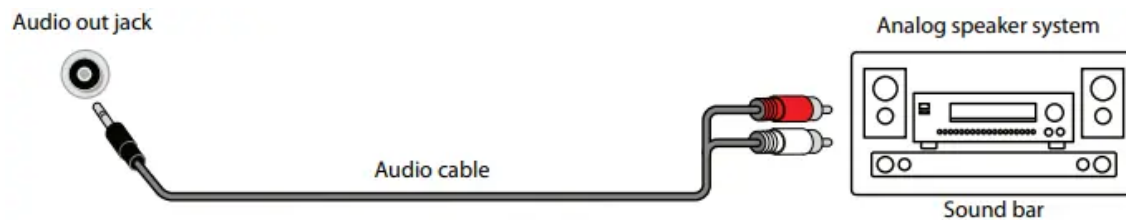
Depending on the model, your TV may have a digital optical or digital coaxial audio jack.



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 coaxial or 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.
- 5 On your TV's Audio menu, select Digital Audio Format / Audio Delay, then set the Audio Format option to PCM. See the Digital Audio Format / Audio Delay option in Adjusting sound settings.

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.
5. On your TV, set the Headphones / Audio Out option on the Audio menu to Headphones/ Audio Out Variable or Audio Out Fixed. See the Headphones / Audio Out option in Adjusting sound settings.

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.

Using a universal remote control

Programming universal remote controls

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

1. See Viewing universal remote control codes on page 15 for common codes. If you have problems programming your remote or need a different remote control code: Contact the universal remote control or cable/satellite company of the remote control you are trying to program. Visit www.insigniaproducts.com/remotecodes for the latest remote control code information. Call the Insignia Customer Care Center at 1-877-467-4289.

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 Insignia TV remote to "teach" the commands one at a time. See your universal remote control's instructions for details.

Viewing universal remote control codes


You can view a list of universal remote control codes in the on-screen menu.

Tips: The brand name is often visible on the front of the universal remote control, and the model number is often visible on the back. If your universal remote control isn't listed on the chart, refer to your universal remote control's instructions and try codes for the brands Orion, Emerson, Memorex, Sansui, Sylvania, or Zenith. You may need to try several codes before finding a match.

- 1 Select the HELP menu, then select Learn More.



- 2 Select Remote control codes. Your TV displays information about the universal remote codes that you can use to make your TV work with a universal remote.


- 3 Press ENTER or . Your TV displays a list of remote control codes for various brands of universal remote controls.

- 4 Press MENU to return to the previous menu, or press EXIT to close the menu.



Turning on your TV for the first time

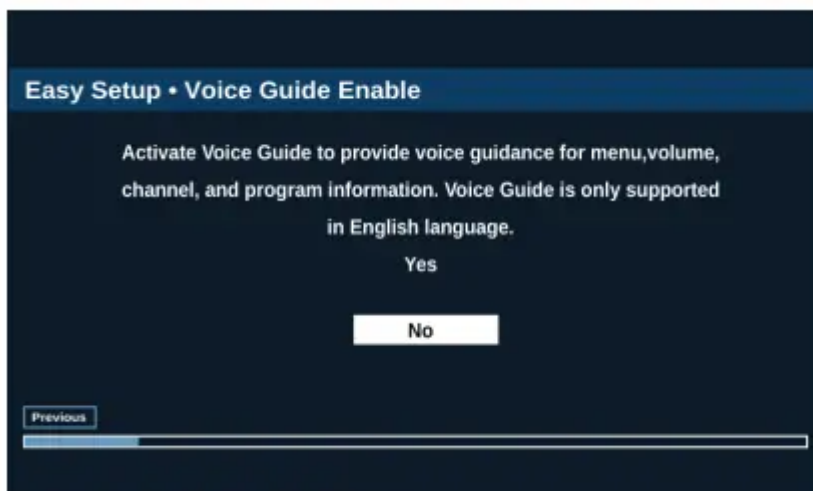
The first time you turn on your TV, the Easy Setup wizard opens. The wizard guides you through setting up basic settings including the menu language, time setting, picture mode, TV signal source, and the channel list.



1 Make sure that you have: Installed the remote control batteries. Connected an antenna, cable TV, or satellite TV.

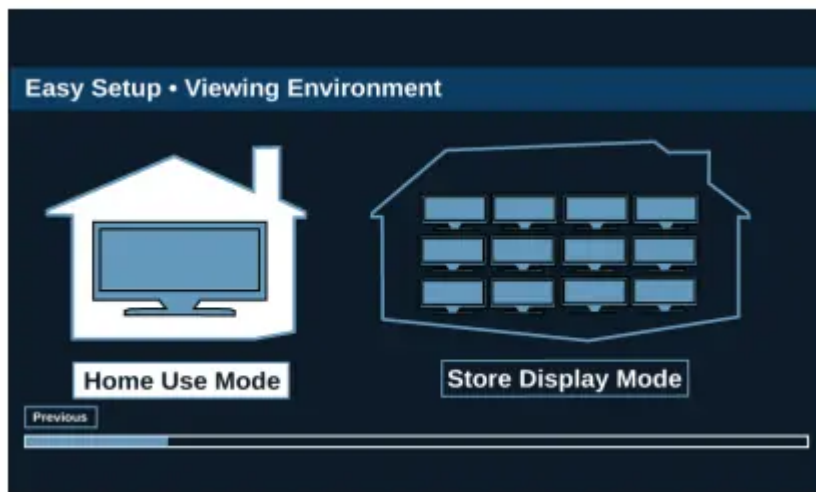
2 Press  (power) to turn on your TV. The Easy Setup wizard opens.



3 Press  or  to highlight a language, then press ENTER.



4 Press  or  to select Yes (to turn on the Voice Guide) or No (to turn off the Voice Guide), then press ENTER.



5 Press ◀ or ▶ to highlight Home Use Mode or Store Display Mode, then press ENTER. If you selected Store Display Mode, a message asks if you are sure you want this mode. Select OK to continue using Store Display Mode, or select Cancel to change to Home Use Mode. Store Display Mode is not an energy savings mode.

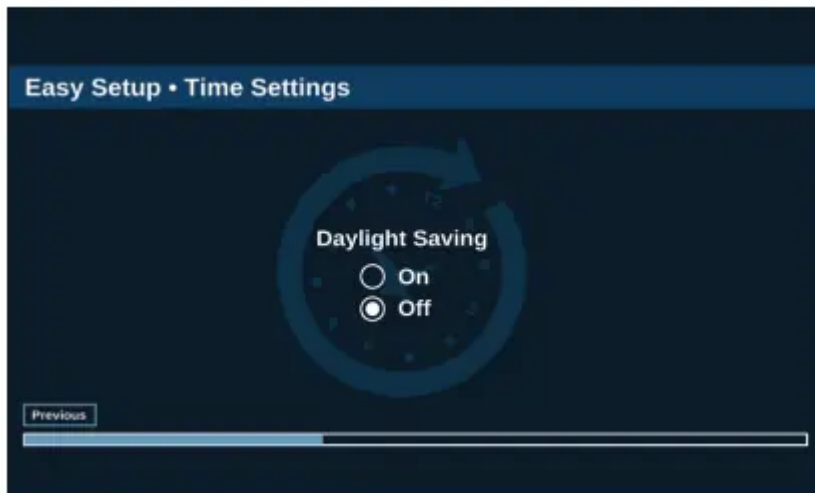


6 Press ◀ or ▶ to highlight an option, then press ENTER. You can select:

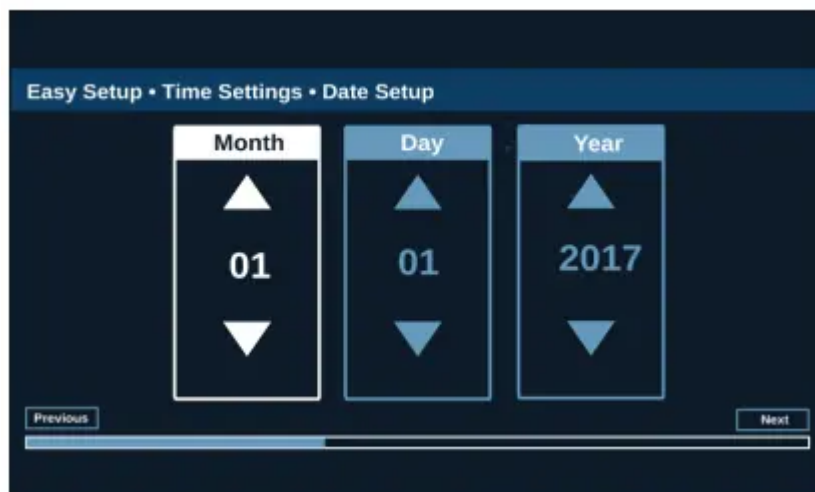
- Watch TV to skip the customization options. You can press MENU later to customize settings. Go to Finish the wizard.
- Customize my TV to set options to maximize your experience. Go to Customize my TV.



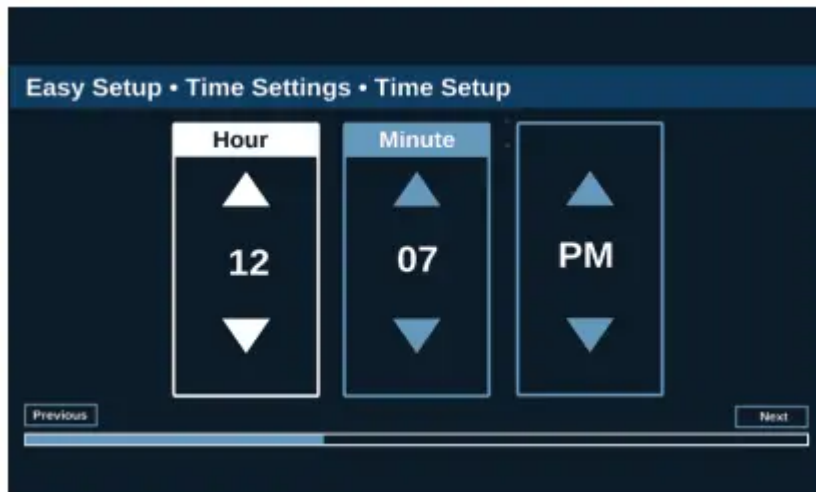
7 Press ▲ or ▼ to highlight a time zone, then press ENTER.



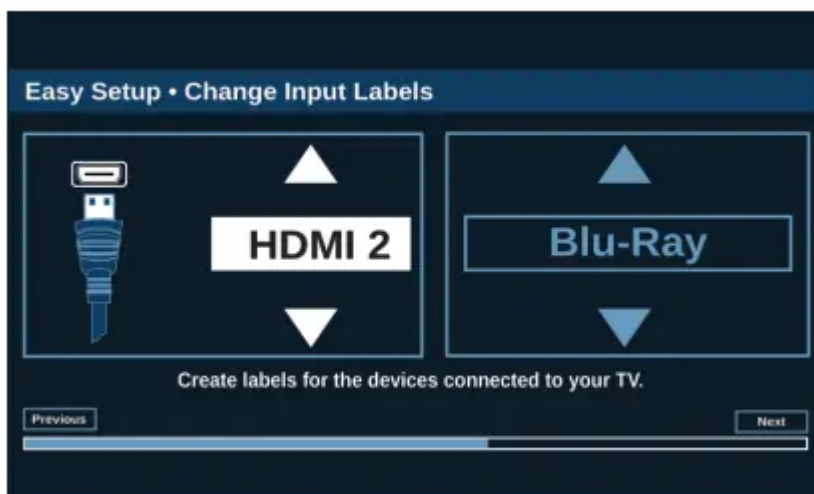
8 Press ▲ or ▼ to select On to turn on Daylight Saving or Off to turn off Daylight Saving, then press ENTER.



9 Press ◀ or ▶ to highlight Month, Day, or Year, press ▲ or ▼ to adjust the setting, then press ENTER one or more times to highlight Next. When Next is highlighted, press ENTER again.



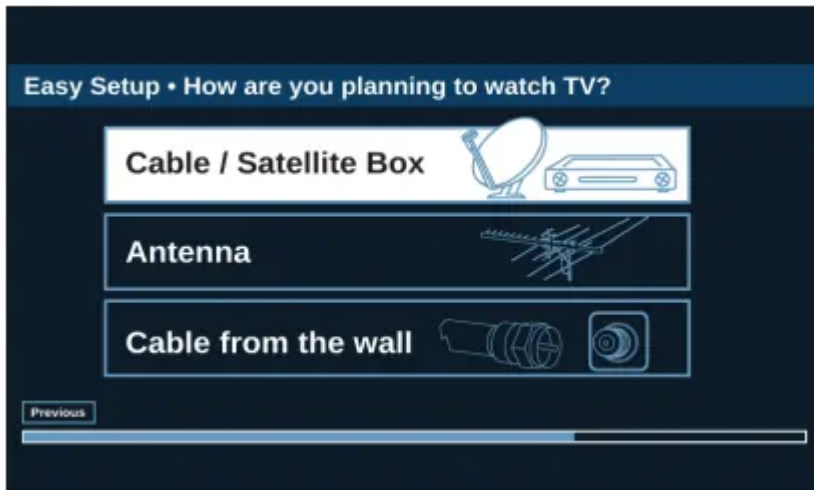
10 Press ◀ or ▶ to highlight Hour, Minute, or the AM/PM field, press ▲ or ▼ adjust the option, then press ENTER one or more times to highlight Next. When Next is highlighted, press ENTER again.



11 Press ▲ or ▼ to highlight a video input source, then press ▶ to move to the label area.

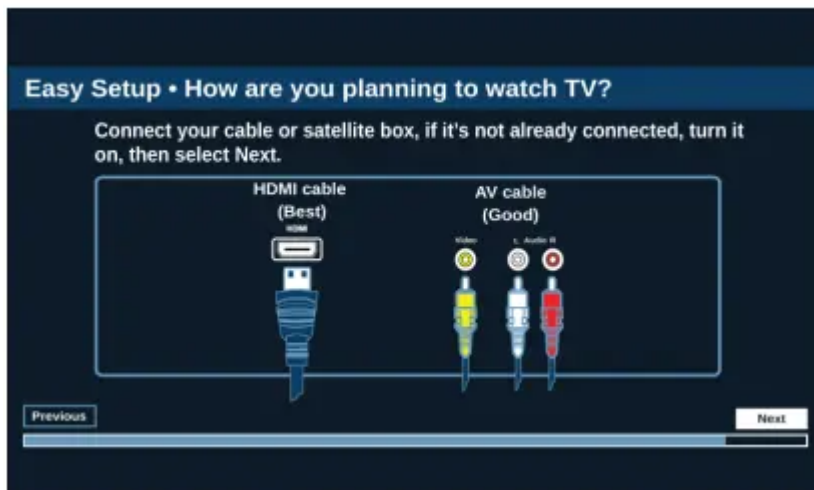
12 Press ▲ or ▼ to highlight a preset label or Custom.

13 If you select a preset label, press ▶ to select Next, then press ENTER. OR If you select Custom, press ENTER, then press ▲ or ▼ to enter the first character in your custom label. Press ◀ or ▶ to move to the previous or next character position. Use the arrow buttons to enter additional characters. You can enter 12 characters (letters or numbers). When you have finished creating your label, press ENTER, press ▶ to select Next, then press ENTER again.



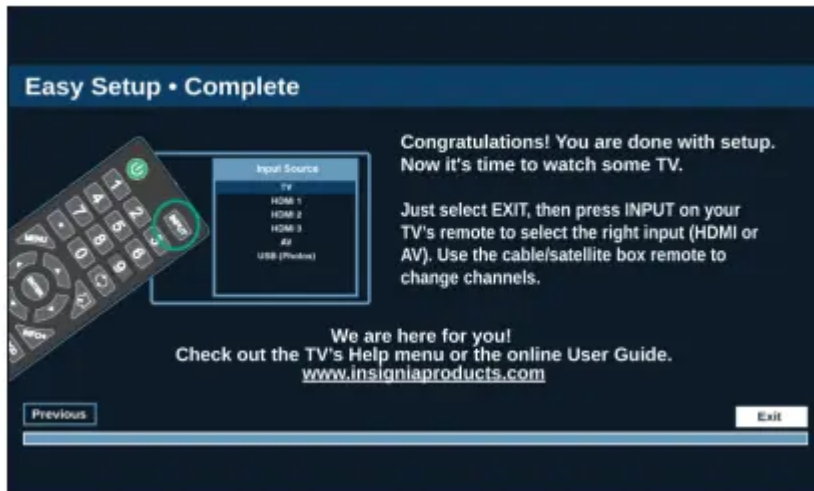
14 Press ▲ or ▼ to highlight Cable/Satellite Box, Cable from the wall, or Antenna, then press ENTER.

- If you select Cable/Satellite Box, the screen that opens shows you the ways you can connect the box.

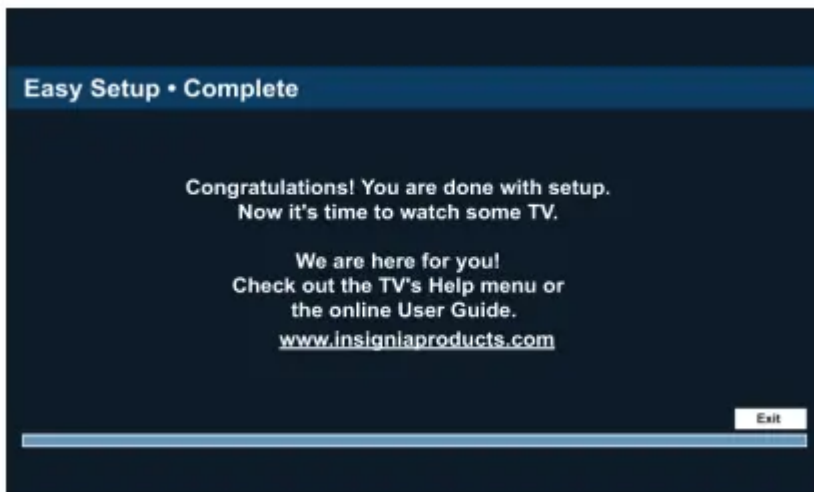


Press ENTER.





- If you select Cable from the wall or Antenna your TV starts scanning for channels and displays a progress screen.





15 Press ENTER to close the wizard. If you selected:

- Cable from the wall or Antenna, your TV tunes to the first channel it found in the scan.
- Cable/Satellite box, press INPUT to open the INPUT SOURCE list, press ▲ or ▼ to select the video input (HDMI or AV) you connected the box to, then press ENTER. Your TV switches to the input you selected.

Understanding the basics

Turning your TV on or off

1. Make sure that the power cord is connected to a power outlet.
2. Press  (power) to turn on your TV. The power indicator turns off.
3. Press  (power) again to turn off your TV. Your TV enters standby mode, and the power indicator turns red.

WARNING: When your TV is in standby mode, it is still receiving power. To completely disconnect power, unplug the power cord.

Note: If your TV does not receive an input signal for several minutes, it automatically goes into standby mode.

Selecting the video input source

Note: Your TV automatically detects and displays which video jacks have devices connected to them when the devices are turned on. You can turn this feature off to always display all inputs. See Adjusting menu settings.

1. Turn on your TV.
2. If you want to use a device connected to a video input (such as a DVD or Blu-ray player), turn on the device.
3. Press INPUT, then select a video input source.

On-screen menu overview

Picture menu (TV mode)



Audio menu (TV mode)



Channels menu (TV mode)



Settings menu (TV mode)



Accessibility menu



Help menu





PHOTOS menu (USB mode)



Selecting a channel

- Press CH \wedge or CH \vee to go to the next or previous channel on the memorized channel list.
- Press the number buttons to enter the channel number you want, then wait for the channel to change or press ENTER to immediately change the channel.
- To select a digital sub-channel, press the number buttons to select the main digital channel, press \blacksquare (sub-channel), then press the number button for the sub-channel. Wait for the channel to change, or press ENTER to immediately change the channel. For example, to tune to channel 5.1, press 5, \blacksquare (sub-channel), then 1.

Note: Button presses must be within three seconds of each other.

Press \odot (return) to go to the last viewed channel

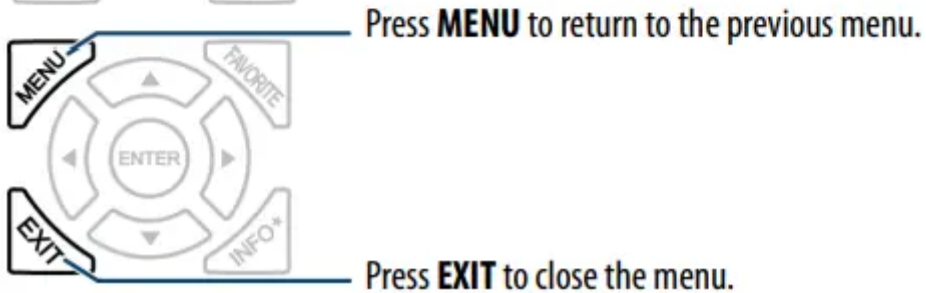
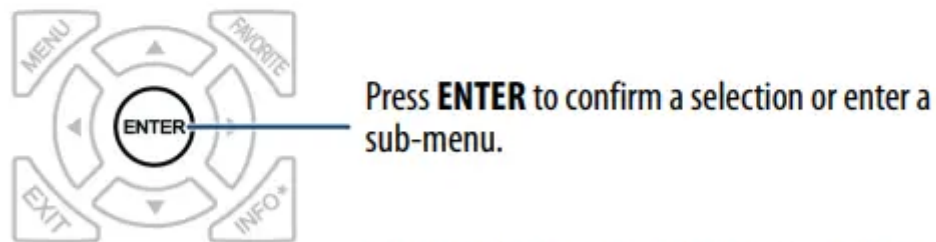
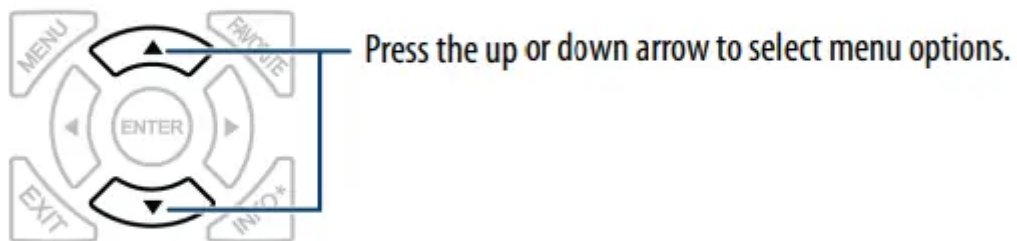
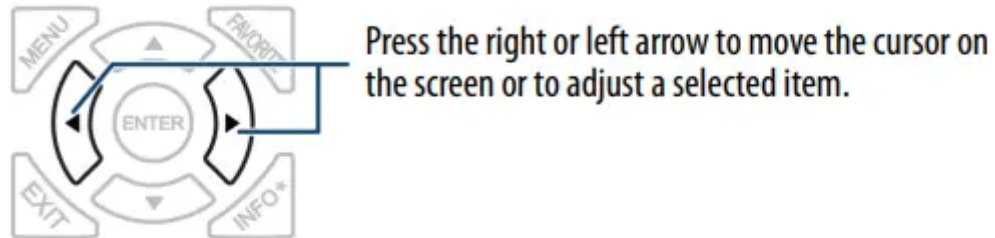
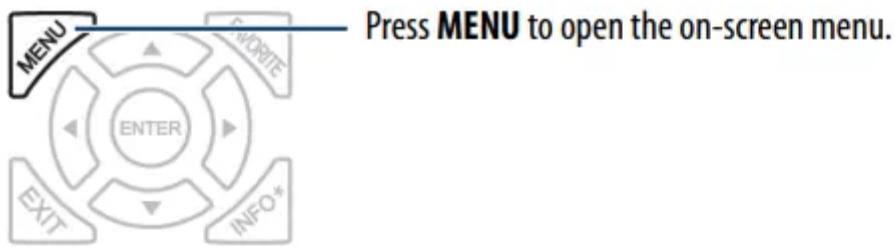
Adjusting the volume

1. Press VOL+ or VOL- to increase or decrease the volume.
2. Press MUTE to turn off the sound. Press MUTE again to turn the sound back on.

Viewing channel information

- Press INFO* to view an information banner. The information banner shows the current program information, such as channel number, video input source, and resolution.
 - Digital channel information—Displays the channel number, station name, channel label, broadcast program name, TV rating, signal type, audio information, resolution, current time, signal strength, day of the week, date, and current program start and end times, if provided by the broadcaster.
 - Analog channel information—Displays channel number, channel label (if present), signal type, audio information, day of the week, date, and resolution, if provided by the broadcaster.

Navigating the menus



Adjusting settings

- 1 Press **MENU** to open the on-screen menu.



2 Press ◀ or ▶ to highlight a menu, then press ENTER.

3 Press ▲ or ▼ to select an option, then press ENTER. If the menu has more options than it can display on a screen, use the ▼ to view the other options.

4 If a sub-menu opens, press ▲ or ▼ to select an option, then press ENTER. If the menu has more options than it can display on a screen, use the ▼ to view the other options.

5 Use the arrow buttons to adjust the option setting, then press ENTER. 6 Press MENU to return to the previous menu, or press EXIT to close the menu.

Using INlink

INlink lets you control HDMI CEC-compatible devices connected to the HDMI jacks on your TV using the remote control that came with your TV.

Note: You can use the media buttons on your remote control to control playback.

To use INlink, you must set the INlink Control option on the INlink menu to On.

1 Select the SETTINGS menu, then select INlink(HDMI-CEC).



2 Select an option, then adjust the setting. You can select:

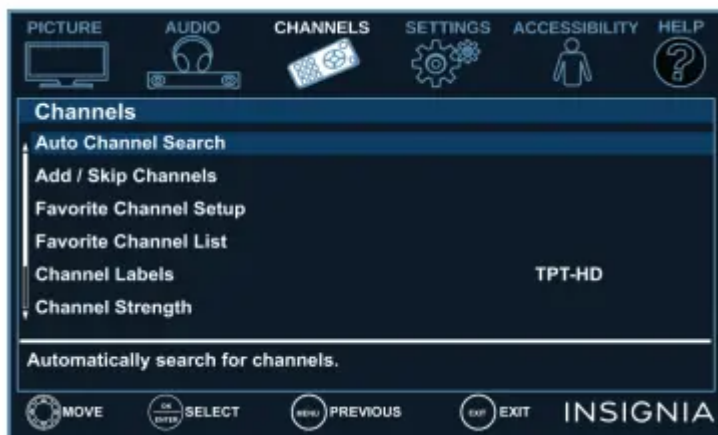
- INlink Control—Turns the INlink feature on or off. You must set this option to On to use the other INlink options.
- Device Auto Power Off—Automatically turns off HDMI CEC devices when you turn off your TV.
- TV Auto Power On—Automatically turns on your TV when an HDMI CEC device is turned on, if the device has this feature.
- Audio Receiver—Lets you use your TV's remote control to control the volume on an HDMI CEC-compatible audio receiver connected to your TV.
- INlink Device List—Lets you display a list of HDMI CEC devices that are connected to your TV.
- Connect—When you have more than one INlink-compatible device connected, lets you select the device you want to use.
- Root Menu—Lets you open an INlink-compatible device's root menu, then use your TV's remote control to control the device, if the device has this feature.

3 Press MENU to return to the previous menu, or press EXIT to close the menu.

Changing channel settings

You can scan for channels, control which channels are displayed, set up and view favorite channels, change channel labels, and check a digital channel's signal strength.

1 Select the CHANNELS menu.



2 Select an option, then adjust the setting. You can select:

- Auto Channel Search—Lets you scan for channels with signals. Your TV stores the channel information in the channel list. When you press CH or CH , your TV goes to the next or previous channel in the channel list. You should scan for channels if the TV

signal source changes, for example you change from an outdoor antenna to cable TV (no box). You can select Cable / Satellite Box, Cable from the wall, or Antenna.

- Add/Skip Channels—Lets you hide channels in the channel list. When you press CH or CH , your TV skips the hidden channels. You can still tune to a hidden channel by pressing the number buttons for the channel.
- Favorite Channel Setup—Lets you create a list of favorite channels so you can quickly browse through your favorite channels.
- Favorite Channel List—Lets you select a channel from the favorite channel list.
- Channel Labels—Lets you add or change a channel label to make it easier to identify the channel.
- Channel Strength—Lets you check the digital signal strength to determine if you need to adjust your antenna or digital cable input. The higher the signal strength, the less likely you are to experience picture degradation.

3 Press MENU to return to the previous menu, or press EXIT to close the menu.

Adjusting time settings

You can set the clock or turn on the sleep timer.

1 Select the SETTINGS menu, then select Time.



2 Select an option, then adjust the setting. You can select:

- Date/Time—Lets you set the time zone, date, and time. If you skipped the steps in the Easy Setup wizard for setting the date and time or if you move your TV to a different time zone, you need to reset the clock to the correct time.
 - Sleep Timer—Let you specify the amount of time before your TV automatically turns off. You can select Off, 5, 10, 15, 30, 60, 90, 120, 180, or 240 minutes.
- 3 Press MENU to return to the previous menu, or press EXIT to close the menu.

Adjusting menu settings

You can adjust how the TV menus look by:

- Selecting the menu language
- Turning the Input Sensor on or off
- Labeling an input source.

1 Select the SETTINGS menu.



2 Select an option, then adjust the setting. You can select:

- Menu Language—Your TV can display the on-screen menu in English, French, or Spanish. When you set up your TV for the first time, you selected the language. You can change the menu language to a different language.
- Auto Input Sensing—When the Input Sensor feature is turned on, your TV automatically detects which video jacks have devices connected to them and turned on. Your TV uses this information to determine what options you can select on the INPUT SOURCE list when you press INPUT.
- Input Labels—You can add a label to an input source to make it easier to identify. The next time you press INPUT, your label appears in the INPUT SOURCE list.

3 Press MENU to return to the previous menu, or press EXIT to close the menu.

Adjusting accessibility settings

Your TV provides audio descriptions of menus and some remote control functions. Depending on the broadcaster, audio narration of key elements in programs may also be available.

1 Select the ACCESSIBILITY menu.



2 Select an option, then adjust the setting. You can select:

- Voice Guide—Audibly narrates menu selections and some remote control functions. You can select On or Off.
- Closed Caption—Displays a text version of the TV program audio or displays information provided by the broadcaster. See Using closed captioning for instructions about using closed captioning features.
- Audio Language—(Digital channels only) Selects an alternate audio language, if available.
- Video Description—Audibly narrates key visual elements in TV programs (not available on all broadcasts). You can select On or Off.
- Learn How To Use Remote Control—Provides information about using the remote control.
- Reset Accessibility Settings—Resets all accessibility settings to factory mode.

3 Press MENU to return to the previous menu, or press EXIT to close the menu

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.
- Storage temperatures are 32° to 122°F (0° to 50°C).
- Working temperatures are 41° to 104°F (5° to 40°C).
- 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

Using the HELP menu

The HELP menu provides information about frequently asked questions.

- 1 Select the HELP menu.



- 2 Select an option. You can select:

- System Info—Displays system information during troubleshooting. If your TV uses open source code, press ENTER to display the open source code information.
- Learn More—Displays remote control codes and information about connecting a soundbar.
- Update Firmware—If your TV is behaving oddly and you have tried all the solutions in the troubleshooting pages, lets you update your TV's firmware. To update the TV firmware, you need a: Computer with an available USB port, High-speed Internet connection, USB flash drive
- Customize my TV—If you did not complete the customization part of the Easy Setup wizard the first time you turned on your TV, run the wizard again to customize settings.


- TV Speaker Test—Tests your TV’s speakers to make sure that they are working correctly.
- Reset to Default—Resets all settings (except parental controls) to the factory defaults and runs the Easy Setup wizard. See Turning on your TV for the first time

Video and audio

Picture does not fill the screen. There are black bars around the picture.

- Change the aspect ratio. See the Aspect Ratio option in Adjusting the TV picture.

No picture (screen is not lit) and no sound.

- Press  on the TV or the remote control.
- Make sure that the Audio Only option is set to Off. See Playing TV audio
- Make sure that the video cables are connected correctly and securely to your TV.
- Adjust the contrast and brightness. See Adjusting the TV picture
- Make sure that the power cord is plugged into a working outlet.
- Press INPUT and make sure that the correct video input source is selected. See Selecting the video input source
- 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 8 or Connecting an antenna or cable TV (no box)
- Check the closed caption settings. Some TEXT modes can block the screen. See Using closed captioning

Dark, poor, or no picture (screen is lit), but sound is good.

- 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 or Connecting an antenna or cable TV (no box)
- Adjust the brightness. See Adjusting the TV picture
- Press PICTURE to change to a different picture mode. See Adjusting the TV picture
- If you are using an antenna, the digital channel signal may be low. To check the digital channel signal strength, see the Channel Strength option in Changing channel settings
- 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.

No color, dark picture, or color is not correct.

- Try another channel. The station may be experiencing problems.
- Adjust the color settings. See [Adjusting the TV picture](#)
- 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 8](#) or [Connecting an antenna or cable TV \(no box\)](#)
- If you are using an antenna, the digital channel signal may be low. To check the digital channel signal strength, see [Channel Strength option in Changing channel settings](#)
- 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.

Only snow (noise) appears on the screen.

- 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](#) or [Connecting an antenna or cable TV \(no box\)](#)
- If you are using an antenna, the digital channel signal may be low. To check the digital channel signal strength, see [Channel Strength option in Changing channel settings](#)
- 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.

Picture quality is good on some channels and poor on others. Sound is good.

- 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.

Dotted lines or stripes appear on the screen.

- Make sure that the antenna or cable TV is connected correctly and securely. See [Connecting a cable or satellite box on page 8](#) or [Connecting an antenna or cable TV \(no box\)](#)
- If you are using an antenna, the digital channel signal may be low. To check the digital channel signal strength, see [Channel Strength option in Changing channel settings](#)
- 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 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.

The picture has a few bright or dark spots.

- A few bright or dark spots on an LCD screen is normal. It does not affect the operation of your TV.

Video description or voice guide does not work.

- 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. See [Adjusting accessibility settings](#)
- Video descriptions are not available on all broadcasts.
- Some remote functions are not narrated.

Good picture, but no sound.

- Increase the volume.
- Make sure that the sound is not muted.
- Make sure that you do not have headphones connected. When headphones are connected, no sound comes from the TV speakers.
- Change to a different audio mode. See the Audio Mode option in [Adjusting sound settings](#).
- 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.
- If you are using a home theater system, soundbar, or external speaker system and have connected it with a digital audio cable, select Digital Audio Format/Audio Delay on the Audio menu, then set Audio Format to PCM. See the Digital Audio Format/Audio Delay option in [Adjusting sound settings](#).
- 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](#) or [Connecting an antenna or cable TV \(no box\)](#).
- If you are using an antenna, the digital channel signal may be low. To check the digital channel signal strength, see Channel Strength option in [Changing channel settings](#).
- 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.

- The audio cables you are using may be bad. Try a new set.

Poor picture.

- Make sure that the room is not too bright. Light reflecting off the screen can make the picture difficult to see.
- 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.

Good sound, but poor color.

- Adjust the contrast, color, and brightness settings. See [Adjusting the TV picture](#).

Audio noise.

- 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.

- Adjust the audio balance. See [Adjusting sound settings](#).
- Test the TV's speakers. See the TV Speaker Test option in [Using the HELP menu](#). If one or both of the speakers fails, try one of the following solutions:
 - Make sure that the audio cables are connected correctly and securely to your TV.
 - Make sure that the audio cables are connected to the AUDIO OUT jacks on the connected device.
 - Try a different set of audio cables.
 - Make sure that the sound on the connected device is not muted.
 - Try connecting the device to a different TV. If you do not hear sound, the problem is with the device.

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

Remote control does not work.

- 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.

- 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.

Trouble programming your existing universal remote control.

- See instructions in Programming universal remote controls
- Codes are subject to change.
- Replace dead batteries with new batteries.
- Refer to the User Guide that accompanied your universal remote control and contact the manufacturer if problems persist.

General

No power.

- 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.
- 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 signal” error message is displayed.

- Press INPUT and make sure that you have selected the correct input for the device or service you are trying to use.
- If you are using a cable or satellite box, use the remote that came with that box to change channels.

After Auto Channel Search, there are no channels.

- 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.

When I press INPUT, I cannot select my device (it is grayed out).

- Turn on the device. Your TV automatically detects and displays which video jacks have devices connected to them when the devices are turned on.
- Turn off Auto Input Sensing. See Adjusting menu settings

One or more channels do not display.

- Make sure that the channels are not blocked. See [Setting parental controls](#)
- 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 the [Add/Skip Channels](#) option in [Changing channel settings](#).
- If you are using a cable or satellite box, use the remote that came with that box to change channels.
- Press INPUT and make sure that you have selected the correct input for the device or service you are trying to use.
- If you are using an antenna, the digital channel signal may be low. To check the digital channel signal strength, see the [Channel Strength](#) option in [Changing channel settings](#)

Password is lost.

- Enter 9999 to access parental controls, then set a new password. See the [Change Password](#) option in [Changing channel settings](#).

Some settings cannot be accessed.

- If a setting is grayed, the setting is not available in the current video input mode (for example TV mode). Change to a different video input source. See [Selecting the video input source](#)

TV cabinet creaks.

- When the 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.



button does not work.

- Make sure that the [Button Lock](#) option is set to Off. See [Locking the power button on your TV](#).
- Unplug the power cord, wait a few seconds, then plug the cord back in and turn on your TV.

TV keeps turning off.

- Make sure that the [sleep timer](#) is not turned on. See the [Sleep Timer](#) option in [Adjusting time settings](#).

A retail banner is displayed.

- You selected [Store Display Mode](#) when you ran the [Easy Setup wizard](#). Run the [Easy Setup wizard](#) and select [Home User Mode](#) on the [Viewing Environment](#) screen. See the [Customize my TV](#) option in [Using the HELP menu](#).

INlink (CEC-compatible) device

My TV is not displaying the video from the connected CEC device.

- 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 INPUT and make sure that the correct video input source is selected. See [Selecting the video input source](#)
- Make sure that the INlink feature is turned on. See the INlink Control option in [Using INlink](#)
- Try adjusting the TV picture. See [Adjusting the TV picture](#)

My TV is not playing the audio from the connected CEC device.

- 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.
- Try adjusting the TV sound. See [Adjusting sound settings](#)
- Make sure that the TV speakers are turned on and not muted. See [Adjusting sound settings](#)
- Make sure that the INlink feature is turned on. See INlink Control option in [Using INlink](#)
- If you have connected an HDMI CEC audio receiver, adjust the volume on the receiver. When your TV detects an audio receiver, the TV speakers 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.
- If you are using a home theater system, soundbar, or external speaker system and have connected it with a digital audio cable, select Digital Audio Format/Audio Delay on the Audio menu, then set Audio Format to PCM. See the Digital Audio Format/Audio Delay option in [Adjusting sound settings](#).

My TV's remote control does not control the device.

- Make sure that there are no obstructions between the remote control and the remote control sensors on your TV and the device.

- Depending on the device, all the buttons may not work.
- After you switch to an INlink device, use the remote control that came with the device to control playback.
- Make sure that the INlink feature is turned on. See INlink Control option in Using INlink.
- If you are trying to control the volume on an HDMI CEC audio receiver using your TV remote control, make sure that the TV Speakers option on the Audio menu is set to On. See Adjusting sound settings.
- If you are trying to control the volume on an HDMI CEC audio receiver using your TV remote control, make sure that the Audio Receiver option on the INlink menu is set to On. See the Audio Receiver option in Using INlink.
- The device may not support this feature. See the documentation that came with the device for more information.

The device does not show up in the INlink Device list.

- Make sure that the device is turned on.
- 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 INlink feature is turned on. See the INlink Control option in Using INlink.
- Make sure that the device is a CEC device. See the documentation that came with the device.

My device does not turn off when I turn off my TV.

- Make sure that the INlink feature is turned on. See the INlink Control option in Using INlink.
- Make sure that Device Auto Power Off is set to On on the INlink menu. See the Device Auto Power Off option in Using INlink
- 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 device.

- Make sure that the INlink feature is turned on. See the INlink Control option in Using INlink.
- Make sure that TV Auto Power On is set to On on the INlink menu. See the TV Auto Power On option in Using INlink.
- The device may not support this feature. See the documentation that came with the device for more information.

The Audio Receiver setting on the INlink menu keeps turning back on after it is turned off.

- When Audio Receiver is set to Off and INlink Control is set to On and you make an adjustment to the audio receiver (for example, turn the volume knob or press a button), Audio Receiver is automatically set to On. To prevent this from happening, turn off the INlink feature. See the INlink Control option in Using INlink.

Two volume bars appear when adjusting the volume.

- When you adjust the volume on the audio receiver or with the TV remote control, a double volume bar appears, one for the TV volume and one for the audio receiver volume.

I cannot select the Root Menu option on the INlink menu. OR The device's root menu does not open when I select Root Menu on the INlink menu.

- The device may not support this feature. See the documentation that came with the device for more information.

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.