

Getting to Know Your TV

FRONT PANEL

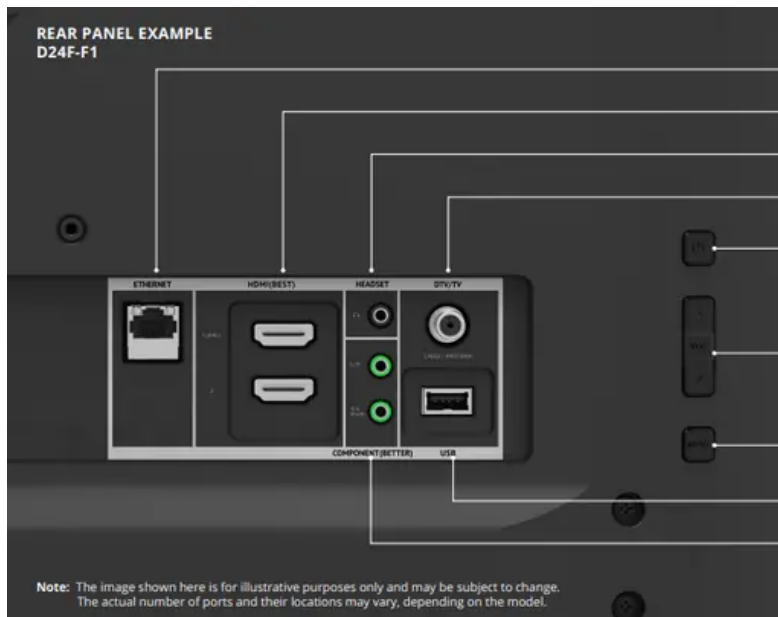


REMOTE SENSOR & POWER INDICATOR

When using the remote, aim it directly at this sensor.

The power indicator flashes on when the TV turns on, then goes out after several seconds.

To keep the power indicator on as long as the TV is on, see *Turning the Power Indicator On or Off*.



**REAR PANEL EXAMPLE
D24F-F1**

Ethernet - Connect an Ethernet cable to modem/ router.

HDMI - Connect an HDMI device.

Audio Out - Connect to headphones.

Coaxial - Connect a coaxial cable from cable, satellite, or antenna.

Power - Press to turn on the TV. Press and hold to turn the TV off.

Volume - Press to increase or decrease the TV volume level.

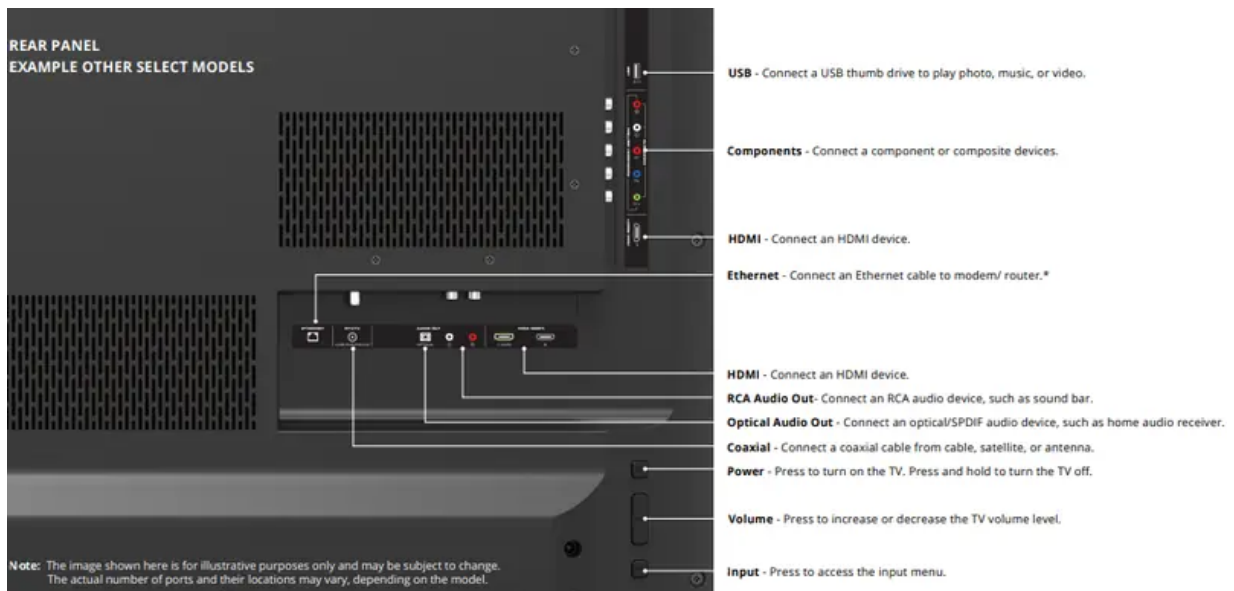
Input - Press to access the input menu.

USB - Connect a USB thumb drive to play photo, music, or video.

Components - Connect a component or composite devices.

Note: The image shown here is for illustrative purposes only and may be subject to change. The actual number of ports and their locations may vary, depending on the model.





WALL-MOUNTING THE TV



To mount your TV on a wall, you will need a wall mount. Consult the information on this page to find the appropriate mount for your TV. Be sure the mount you choose is capable of supporting the weight of the TV. After you have determined that you have the correct mount for your TV, you can begin the installation.

To install your TV on a wall:

1. Disconnect any cables connected to your TV.
2. Place the TV face-down on a clean, flat, stable surface. Be sure the surface is clear of debris that can scratch or damage the TV.
3. Remove the stands by loosening and removing the screws.

4. Attach your TV and wall mount to the wall, carefully following the instructions that came with your mount. Use only with a UL-listed wall mount bracket rated for the weight/load of this TV.

	D24F-F1	D32F-F1	D39F-F1	D39F-F0	D40F-F1	D43F-F1	D43F-F2	D48F-F0	D50F-F1
Screw Size:	M4	M4	M6	M4	M6	M4	M6	M6	M6
Hole Depth:	8mm	14mm	14mm	12mm	14mm	14mm	18mm	12mm	14mm
Hole Pattern:	100 mm (V) x 100 mm (H)	100 mm (V) x 100 mm (H)	200 mm (V) x 200 mm (H)	100 mm (V) x 100 mm (H)	200 mm (V) x 200 mm (H)	200 mm (V) x 200 mm (H)	200 mm (V) x 200 mm (H)	200 mm (V) x 200 mm (H)	200 mm (V) x 200 mm (H)
Weight w/o Stand:	7.28 lb (3.30 kg)	11.46 lb (5.20 kg)	16.42 lb (7.45 kg)	15.10 lb (6.85 kg)	17.09 lb (7.75 kg)	19.84 lb (9.00 kg)	21.01 lb (9.53 kg)	25.57 lb (11.60 kg)	26.66 lb (12.10 kg)

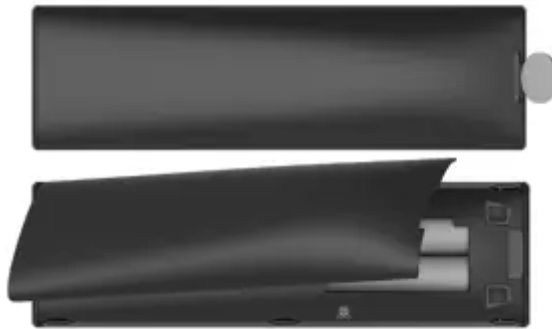
USING THE REMOTE



1. Input - Change the currently displayed input
2. Power - Turn Television on or off
3. App Launcher - Quickly launch the pictured app
4. Exit - Close the on-screen menu
5. Menu - Display the settings menu
6. Arrow - Navigate the on-screen menus
7. OK/Play/Pause - Select the highlighted menu option and play or pause content
8. Back - Go to the previous on-screen menu
9. Info - Display the info window
10. Volume Up/Down - Increase or decrease the loudness of the audio
11. Closed Caption - Open the closed caption menu.
12. V Button - Launch SmartCast TV/Return to SmartCast TV Home Screen

13. Pic - Cycle through the different picture setting modes
14. Channel Up/Down- Change the channel.
15. Mute - Turn the audio on or off
16. Last - Return to the last viewed channel..
17. Number Pad - Manually enter a channel
18. Wide - Change the Television mode.
19. Dash - Use with number pad to manually enter a digital sub-channel. (e.g. 18-4 or 18-5)

Replacing the Batteries



1. Find the notch on the back of the remote. Insert a coin and pry open the back cover.
2. Insert two batteries into the remote control. Make sure that the (+) and (-) symbols on the batteries match the (+) and (-) symbols inside the battery compartment.
3. Replace the battery cover.

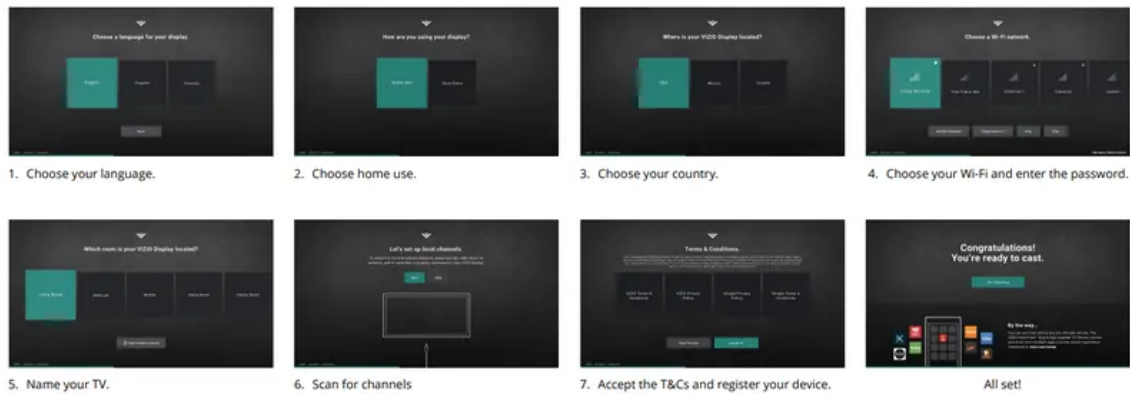
In many places batteries cannot be thrown away or discarded with household waste. Please ensure you properly dispose of your batteries consistent with the laws and/or regulations where you live.

Completing The First-Time Setup

The first time you turn on the TV, the on-screen instructions will guide you through each of the steps necessary to get your TV ready for use:

Before you begin the first-time setup:

- Your Television should be installed and the power cord should be connected to an electrical outlet.
- If you have a wireless network, have the network password ready.
- If you are connecting to your network with an Ethernet cable, connect it to the Ethernet port* on the Television.



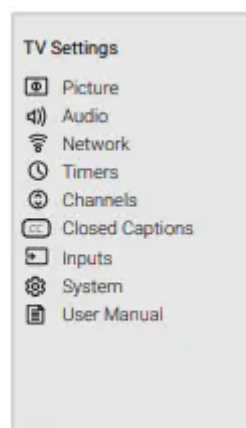
Using the On-Screen Menu

Your TV features an easy-to-use on-screen menu.

To open the on-screen menu, press the Menu button on the remote.

From this menu, you can:

- Adjust the Picture settings
- Adjust the Audio settings
- Adjust the Network settings
- Set up the Timers
- Adjust the Channel settings
- Set up Closed Captioning
- Name and adjust Inputs
- Adjust TV settings
- View user manual



NAVIGATING THE ON-SCREEN MENU

To open the on-screen menu, press the Menu button on the remote.

Use the Arrow buttons to highlight a menu option, and press the OK button to select that option.



CHANGING THE INPUT SOURCE

External devices such as DVD players, Blu-ray Players, and video game consoles can be connected to your TV. To use one of these devices with your TV, you must first change the input source using the INPUT menu.

To change the input sources:

1. Press the Input button on the remote. The INPUT menu is displayed.
2. Use the Right/Left Arrow buttons or the Input button on the remote to highlight the input you wish to view and press OK. The selected input is displayed.



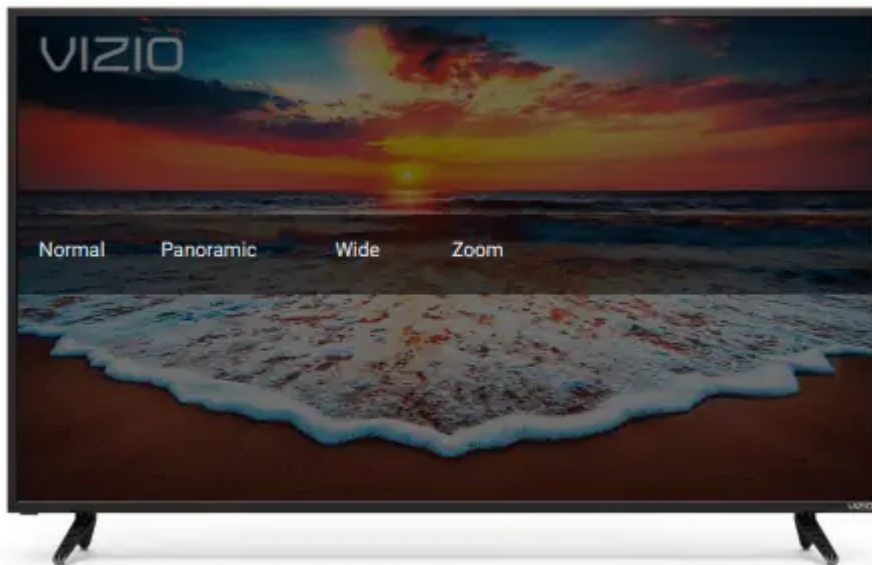
CHANGING THE SCREEN ASPECT RATIO

The TV can display images in four different modes: Normal, Panoramic, Wide, and Zoom. Each mode displays the picture differently.

Some programs have black bars on the top or sides of the picture so that the picture keeps its original shape. Examples include wide-screen movies and older television programs.

To change the screen aspect ratio:

1. Press the Wide button on the remote.
2. Use the Arrow buttons to highlight the aspect ratio you wish to view and press OK
 - Normal preserves the content's original aspect ratio and size.
 - Panoramic stretches a 4:3 aspect ratio picture to the left and right edges of the screen. The center of the image is not stretched, but the sides of the image are extremely stretched. If you are watching widescreen (1.85:1 or 2.35:1) content with black bars on the top and bottom, the black bars will still appear on the top and bottom of the display image.
 - Wide stretches a 4:3 aspect ratio picture to the edges of the screen. Since the picture is being stretched, the display image may appear distorted—figures appear short and fat. If the program is already formatted for widescreen viewing (1.85:1 or 2.35:1), then black bars will appear on the top and bottom of the display image.
 - Zoom expands images evenly in all directions (33% taller and 33% wider) with black bars to fit the screen. A 720p image will fill a 1080p screen.



Note: Aspect ratio settings may vary by input source.

ADJUSTING THE PICTURE SETTINGS

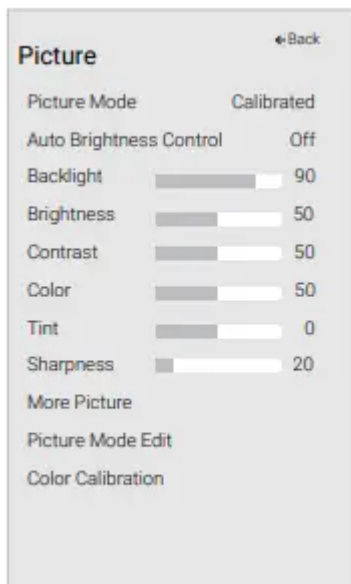
Your TV display can be adjusted to suit your preferences and viewing conditions.

To adjust the picture settings:

1. Press the Menu button on the remote. The on-screen menu is displayed.
2. Use the Arrow buttons on the remote to highlight Picture and press OK. The PICTURE menu is displayed.

3. Use the Arrow buttons on the remote to highlight Picture Mode, then use the Left/Right Arrow buttons to change the picture mode:

- Standard mode sets the picture settings to the default settings.
- Calibrated mode sets the picture settings to values ideal for watching TV in a brightly-lit room.
- Calibrated Dark mode sets the picture settings to values ideal for watching TV in a dark room.
- Vivid mode sets the picture settings to values that produce a brighter, more vivid picture.
- Game mode reduces throughput delays and optimizes the picture settings for displaying game console output.
- Computer mode optimizes the picture settings for displaying computer output.



4. To manually change each of the picture settings, use the Up/Down Arrow buttons on the remote to highlight that picture setting, then use the Left/Right Arrow buttons to adjust the setting:

- Auto Brightness Control - The auto brightness control detects the light levels in the room and automatically adjusts the backlight for the best picture. Select Off, Low, Medium, or High.
- Backlight - Adjusts the LED brightness to affect the overall brilliance of the picture. Backlight cannot be adjusted when starting from some picture modes.
- Brightness - Adjusts the black level of the picture. When this setting is too low, the picture may be too dark to distinguish details. When this setting is too high, the picture may appear faded or washed out.
- Contrast - Adjusts the white level of the picture. When this setting is too low, the picture may appear dark. When this setting is too high, the picture may appear faded or washed

out. If the setting is too high or too low, detail may be difficult to distinguish in dark or bright areas of the picture.

- Color - Adjusts the intensity of the picture colors.
- Tint - Adjusts the hue of the picture. This setting is useful in adjusting the flesh tones in the picture. If flesh appears too orange, reduce the level of color before adjusting tint.
- Sharpness - Adjusts the edge sharpness of picture elements. It can be used to sharpen non-HD (high definition) content; however, it will not produce detail that does not otherwise exist.

5. When you have finished adjusting the picture settings, press the Exit button on the remote.

Adjusting More Picture Settings

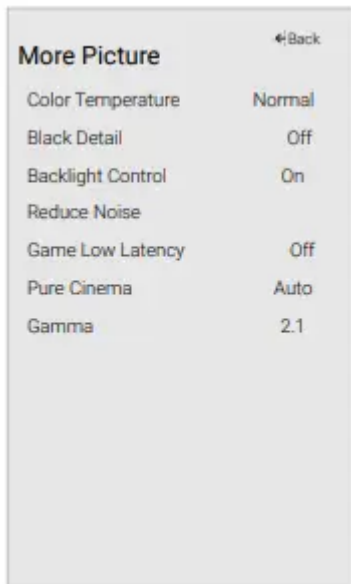
To adjust MORE PICTURE settings:

1. From the PICTURE menu, use the Arrow buttons to highlight More Picture, and then press OK.

2. Use the Arrow buttons to highlight the setting you wish to adjust, then press the Left/Right Arrow buttons to change the setting:

- Color Temperature - See Adjusting the Color Temperature.
- Black Detail - Adjusts the average brightness of the picture to compensate for large areas of brightness. Select Off, Low, Medium, or High.
- Backlight Control - Reduces blue in scenes with fast action. Some sensitive viewers
- Reduce Noise - Opens a sub-menu with two settings.:
 - Reduce Signal Noise - Diminishes artifacts in the image caused by the digitizing of image motion content. Select Off, Low, Medium, or High.
 - Reduce Block Noise - Reduces pixelation and distortion for .MPEG files. Select Off, Low, Medium, or High.
- Game Low Latency - Select On to reduce video delay (lag) when gaming.
- Pure Cinema Mode - Optimizes the picture for watching film. Select Auto or Off.
- Gamma - Set the shape of the Gamma curve. Use lower Gamma values for bright room conditions, and higher values when it's dark.

3. When you have finished adjusting MORE PICTURE Settings, press the Exit button on the remote.

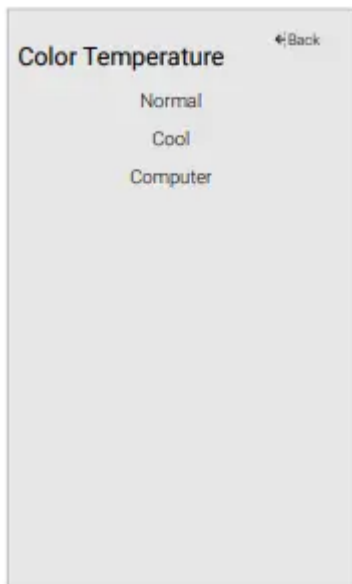


Adjusting the Color Temperature

Adjusting the color temperature changes the white balance of the picture.

To adjust the color temperature:

1. From the MORE PICTURE menu, use the Arrow buttons to highlight Color Temperature, and then press OK.
2. Use the Arrow buttons on the remote to highlight a color temperature preset and then press OK.
 - Normal is optimized for television viewing.
 - Cool produces a blue-hued picture.
 - Computer optimizes the picture for use as a PC monitor.
3. When you have finished adjusting the color temperature, press the Exit button on the remote.

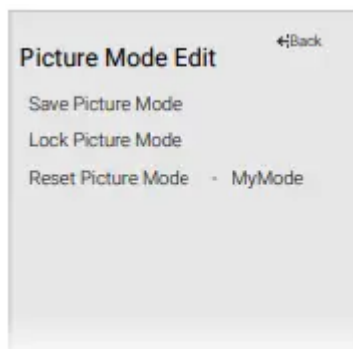


Adjusting the Picture Mode Edit Settings

Picture Mode Edit Settings allow you to make precise adjustments to the picture and to create picture modes to save groups of picture settings.

To adjust the Picture Mode Edit settings:

1. From the PICTURE menu, use the Arrow buttons to highlight Picture Mode Edit, and then press OK. The PICTURE MODE EDIT menu is displayed.
2. Use the Arrow buttons to highlight the setting you wish to adjust, then press OK to change the setting:
 - Save Picture Mode - Save a custom picture mode.
 - Lock Picture Mode - Prevent changes to custom picture modes. Choose between On or Off
 - Reset Picture Mode† - Reset the picture mode settings to factory default values.



Saving a Custom Picture Mode

Custom picture modes allow you to save a group of custom settings for various viewing conditions and video sources.

- Changes made while on any preset picture mode will add an asterisk on the top right corner of the preset mode.
- The custom picture mode is not automatically saved.

To save a custom picture mode:

1. From the PICTURE MODE EDIT menu, use the Arrow buttons to highlight Save Picture Mode, and then press OK. The SAVE PICTURE MODE menu is displayed.
2. Use either on-screen keyboard to enter a name for your custom picture mode.
3. Highlight Save and press OK.
4. Press the Exit button to exit the menu screens

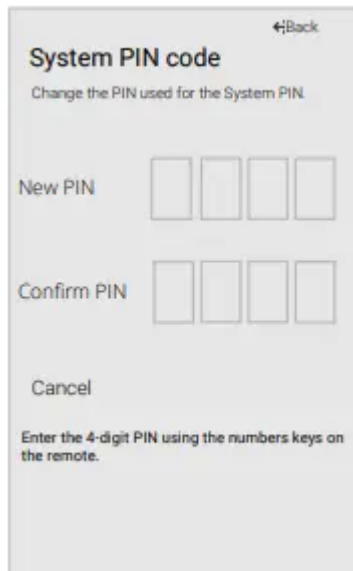


Locking/Unlocking a Custom Picture Mode

Custom picture modes can be locked/unlocked with a unique PIN to prevent accidental changes to their settings.

To lock all custom picture modes:

1. From the PICTURE MODE EDIT menu, use the Arrow buttons to highlight Lock Picture Mode, and then press OK. The LOCK PICTURE MODE menu is displayed.
2. Use the Number Pad on your remote to enter a unique 4-digit PIN. If a system PIN is set, then lock/unlock. If no system PIN is set, then you will be prompted to set a PIN.
3. Highlight Save and press OK.
4. Press the Exit button to exit the menu screens.



To unlock all custom picture modes:

1. From the PICTURE MODE EDIT menu, use the Arrow buttons to highlight Unlock Picture Mode, and then press OK. The UNLOCK PICTURE MODE menu is displayed.
2. Use the Arrow buttons to select Off.
3. Use the Number Pad on your remote to enter your 4-digit PIN.
4. Make any desired changes to the picture modes.
5. Then turn on Lock Picture Mode.
6. Press the Exit button to exit the menu screens.

Deleting a Custom Picture Mode

Custom picture modes that are no longer needed can be deleted.

To delete a custom picture mode:

1. From the PICTURE MODE EDIT menu, use the Arrow buttons to highlight Delete Picture Mode, and then press OK. The DELETE PICTURE MODE window is displayed.



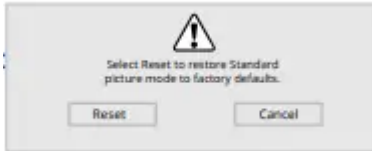
2. Use the Left/Right Arrow buttons to highlight Delete and press OK
3. Press the Exit button to exit the menu screens.

Resetting a Picture Mode

A preset picture mode that has been edited can be restored to the factory default settings.

To reset a customized preset picture mode:

1. From the PICTURE MODE EDIT menu, use the Arrow buttons to highlight Reset Picture Mode, and then press OK. The RESET PICTURE MODE window is displayed.
2. Use the Left/Right Arrow buttons to highlight Reset and press OK
3. Press the Exit button to exit the menu screens.



Adjusting the Color Tuner Settings

The COLOR TUNER settings allow you to adjust the HSB color and 11 point white balance, turn color channels off for testing, and display color bar, flat, and ramp test patterns.

To adjust the HSB color settings:

1. From the COLOR CALIBRATION menu, use the Arrow buttons to highlight Color Tuner, and then press OK. The COLOR TUNER menu is displayed.

Color Tuner						
	Red	Green	Blue	Cyan	Magenta	Yellow
Hue	0	0	0	0	25	-14
Saturation	-1	5	-4	0	-2	0
Brightness	-24	0	-22	0	0	0
Offset	0	0	0			
Gain	0	0	0			

2. Use the Arrow buttons on the remote to highlight the Hue, Saturation, Brightness, Offset, or Gain of the color you wish to adjust. Press the OK button.
3. Use the Left/Right Arrow buttons to adjust the value. When you are finished press the OK button to save the setting.
4. When you are finished adjusting the color tuner settings, press the Exit button.

To turn color channels off and on:

1. From the COLOR CALIBRATION menu, use the Arrow buttons to highlight Color Tuner, and then press OK. The COLOR TUNER menu is displayed.

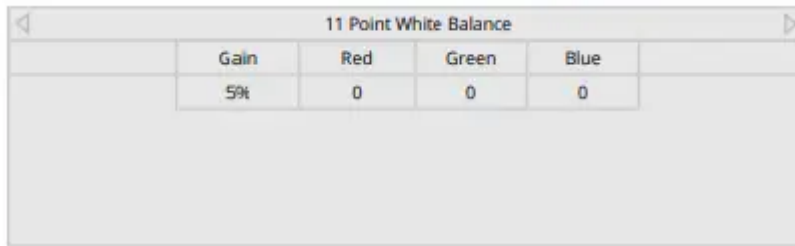
Color Tuner						
	Red	Green	Blue	Cyan	Magenta	Yellow
Hue	0	0	0	0	25	-14
Saturation	-1	5	-4	0	-2	0
Brightness	-24	0	-22	0	0	0
Offset	0	0	0			
Gain	0	0	0			

2. Use the Arrow buttons on the remote to highlight Red, Green, or Blue.

3. Press the OK button to turn the color channel off or on. An X appears over a color channel that has been turned off.
4. Use the Arrow buttons to highlight another color channel to turn off or on. Only two color channels can be turned off at the same time.
5. When you are finished with the color channels, press the Exit button.

To adjust the 11 Point White Balance settings:

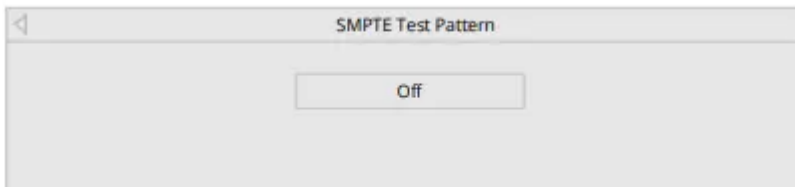
1. From the Color Tuner menu, use the Arrow buttons to highlight Color Tuner, and then press the Left/Right Arrow buttons until the 11 POINT WHITE BALANCE menu is displayed.



2. Use the Arrow buttons on the remote to highlight the Gain and Color values you wish to adjust. Press the OK button and use the Left/Right Arrow buttons to adjust the value. When you are finished, press the OK button to save the setting.
3. When you are finished, press the Exit button.

To show or hide the SMPTE Test Pattern:

1. From the Color Tuner menu, use the Arrow buttons to highlight Color Tuner, and then press the Left/Right Arrow buttons until the SMPTE TEST PATTERN menu is displayed.



2. Use the Arrow buttons on the remote to highlight Off. Use the Left/Right Arrow buttons to highlight On to show the SMPTE Pattern.

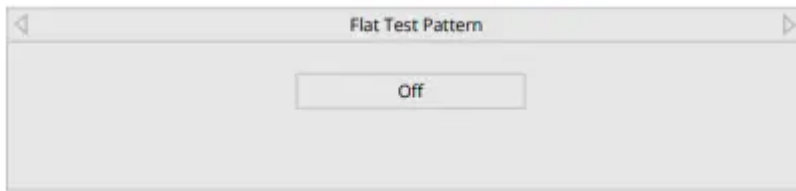
-or-

To hide the SMPTE Test Pattern, use the Left/Right Arrow buttons to highlight Off.

3. When you are finished, press the Exit button.

To show or hide the Flat Test Pattern:

1. From the Color Tuner menu, use the Arrow buttons to highlight Color Tuner, and then press the Left/Right Arrow buttons until the FLAT TEST PATTERN menu is displayed.



2. Use the Arrow buttons on the remote to highlight Off. Use the Left/Right Arrow buttons to select the percentage brightness for the flat test pattern. Selecting a percentage immediately shows the flat pattern at that brightness.

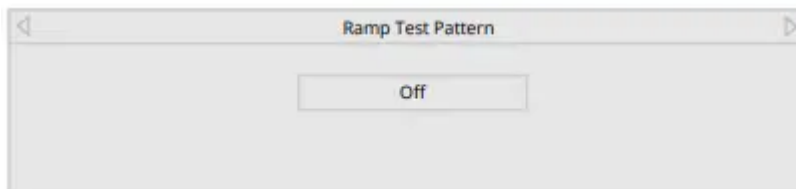
-or-

To disable the Flat Test Pattern, use the Left/Right Arrow buttons to highlight Off.

3. When you are finished, press the Exit button.

To show or hide the Ramp Test Pattern:

1. From the Color Tuner menu, use the Arrow buttons to highlight Color Tuner, and then press the Left/Right Arrow buttons until the RAMP TEST PATTERN menu is displayed.



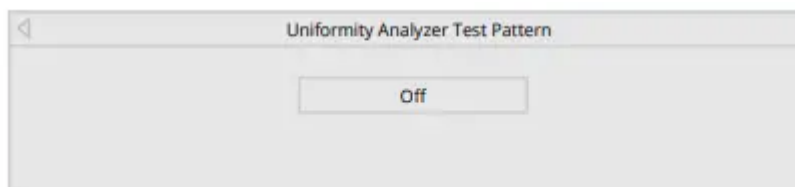
2. Use the Arrow buttons on the remote to highlight Off. Use the Left/Right Arrow buttons to select the color for the ramp test pattern. Selecting a color immediately shows that color ramp. -or-

To hide the Ramp Test Pattern, use the Left/Right Arrow buttons to highlight Off.

3. When you are finished, press the Exit button.

To show or hide the Uniformity Analyzer Test Pattern:

1. From the Color Tuner menu, use the Arrow buttons to highlight Color Tuner, and then press the Left/Right Arrow buttons until the UNIFORMITY ANALYZER TEST PATTERN menu is displayed.



2. Use the Arrow buttons on the remote to highlight Off. Use the Left/Right Arrow buttons to highlight On to show the Uniformity Analyzer Test Pattern.

-or-

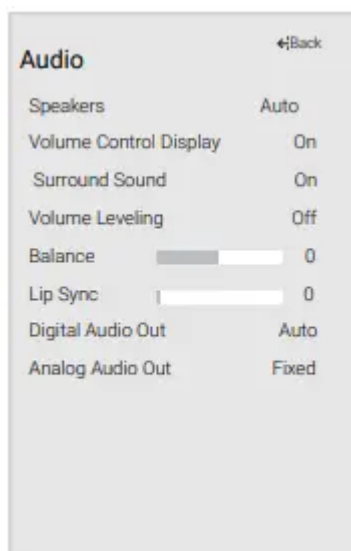
To hide the Uniformity Analyzer Test Pattern, use the Left/Right Arrow buttons to highlight Off.

3. When you are finished, press the Exit button.

ADJUSTING THE AUDIO SETTINGS

To adjust the audio settings:

1. Press the Menu button on the remote. The on-screen menu is displayed.
2. Use the Arrow buttons on the remote to highlight Audio and press OK. The AUDIO menu is displayed.
3. Use the Arrow buttons to highlight the setting you wish to adjust, then press Left/Right Arrow buttons to change the setting:
 - Speakers - Turns the built-in speakers On or Off.
 - Volume Control Display - Toggle between On or Off to hide or display the on-screen volume slider that appears when volume is adjusted.
 - Surround Sound - Surround sound uses DTS TruSurround™ to deliver an immersive surround sound experience from the TV's internal speakers. TruSurround completes the entertainment experience by providing deep, rich bass and by delivering crisp details and clear, intelligible dialog. Select On or Off
 - Volume Leveling - Volume leveling uses DTS TruVolume™ to maintain consistent volume levels during transitions between program content, AV formats, and input sources. Select On or Off. In a few cases, volume leveling may artificially suppress volume increases, making it difficult to hear dialog or flattening sudden noises. If this occurs, turn volume leveling off.
 - Balance - Adjusts the loudness of the audio output from the left and right speakers.
 - Lip Sync - Adjusts the synchronization between the display image and the accompanying audio track.
 - Digital Audio Out - Changes the type of processing for digital audio out and HDMI ARC output when connected to a home theater audio system. Select Auto, PCM, Dolby D, or Bitstream
 - Analog Audio Out - Sets the volume control properties for the RCA connector when connected to a home theater audio system. Select Variable if you are controlling the volume with the TV's volume controls, or select Fixed if an external audio device (sound bar or AV receiver) will control the volume.
4. When you have finished adjusting the audio settings, press the Exit button on the remote.



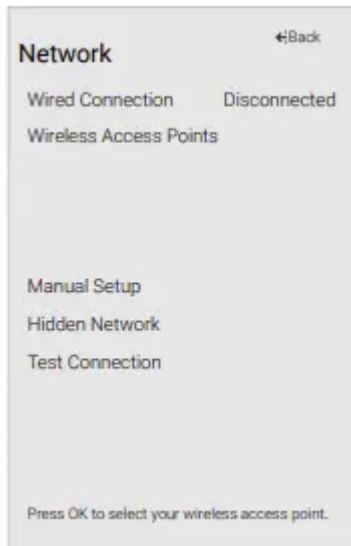
ADJUSTING THE NETWORK SETTINGS

Your TV is Internet-ready, featuring both an Ethernet* port and built-in high-speed Wireless-Network.

Connecting to a Wireless Network

To connect to a wireless network whose network name (SSID) is being broadcast:

1. Press the Menu button on the remote. The on-screen menu is displayed.
2. Use the Arrow buttons on the remote to highlight Network and press OK. The NETWORK menu is displayed.
3. If you do not see your wireless network displayed, highlight More Access Points and press OK. The WIRELESS ACCESS POINTS menu, which is a list of available wireless networks, is displayed.
4. Highlight the name of your wireless network (this is the network's SSID) and press OK
5. Using the on-screen keyboard, enter your network's password, then highlight Connect and press OK.
6. Press the Exit button on the remote.

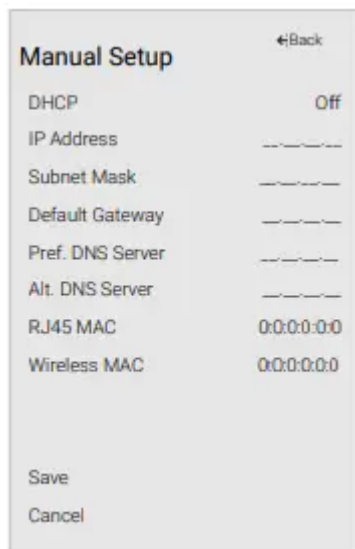


Changing the Manual Setup Settings

Advanced users can fine-tune the network settings using the ManualSetup feature.

To change advanced network settings:

1. From the NETWORK menu, highlight Manual Setup and press OK. The MANUAL SETUP menu is displayed.
2. To change the settings manually, use the Arrow buttons on the remote to highlight DHCP and then use the Left/Right Arrow buttons to change the setting to Off.
3. Use the Arrow and OK buttons to adjust each setting:
 - IP Address - The IP address assigned to the TV.
 - Subnet Mask - The subnet Exit 2D
 - Default Gateway - Your network's default gateway address.
 - Pref. DNS Server - Your preferred domain name server address.
 - Alt. DNS Server - Your alternate domain name server address.
4. Use the Arrow buttons on the remote to highlight Save and press OK.
5. Press the Exit button on the remote.



Finding MAC Addresses for Network Setup

The security settings on your router may require you to enter the TV's MAC address in the router's settings.

To find the TV's MAC address:

1. From the NETWORK menu, highlight Manual Setup and press OK. The MANUAL SETUP menu is displayed.
2. Find the MAC address for the TV at the bottom of the list. The MAC addresses for the connections in use are displayed:
 - RJ45 MAC - The Ethernet* or RJ45 MAC address may be needed to set up your network when you have connected the TV to your network when you have connected the TV to your network with an Ethernet* (Cat 5) cable.
 - Wireless MAC - The Wireless (WiFi) MAC address may be needed to connect your TV to your network with WiFi.

Connecting to a Hidden Network

To connect to a wireless network whose network name (SSID) is not being broadcast:

1. From the NETWORK menu, highlight Hidden Network and press OK. The ENTER ACCESS POINT NAME screen is displayed.
2. Using the on-screen keyboard, enter your network's name (SSID), then highlight Connect and press OK
3. Using the on-screen keyboard, enter your network's password, then highlight Connect and press OK.
4. Press the Exit button on the remote.



Testing Your Network Connection

To test your network connection:

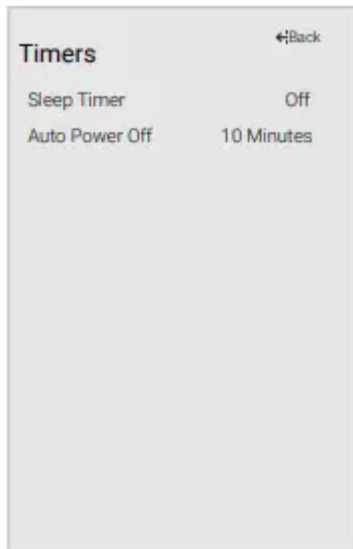
1. From the NETWORK menu, highlight Test Connection and press OK.
2. The TEST CONNECTION screen displays the connection method, network name, signal strength, and download speed of your network connection.
3. Press the Exit button on the remote.

SETTING TIMERS

Setting the Timer

When activated, the TV's timer will turn the TV off after a set period of time.

1. Press the Menu button on the remote. The on-screen menu is displayed.
2. Use the Arrow buttons on the remote to highlight Timers and press OK. The TIMERS menu is displayed.
3. Use the Left/Right Arrow buttons on the remote to highlight the period of time after which you want the TV to go to sleep: 30, 60, 90, 120, or 180 minutes. If you don't want the sleep timer to activate, change the setting to Off.
4. When you have finished setting the sleep timer, press the Exit button on the remote.



Setting the Auto Power Off Feature

To help save energy, your TV is set by default to turn off after minutes without a video or audio signal. This feature can be deactivated.

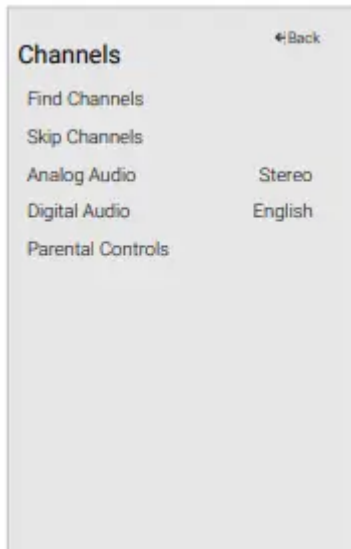
To set the Auto Power Off feature:

1. From the TIMERS menu, use the Up/Down Arrow buttons on the remote to highlight Auto Power Off.
2. Use the Left/Right Arrow buttons on the remote to change whether the TV will turn off. If you don't want the TV to turn off when there is no signal, change the setting to Off. Otherwise, select 10 minutes.
3. When you have finished setting the auto power off time, press the Exit button on the remote.

SETTING UP CHANNELS

You can use the TV's Channels menu to:

- Find Channels
- Select channels to skip
- Analog Audio
- Digital Audio
- Set Parental Controls



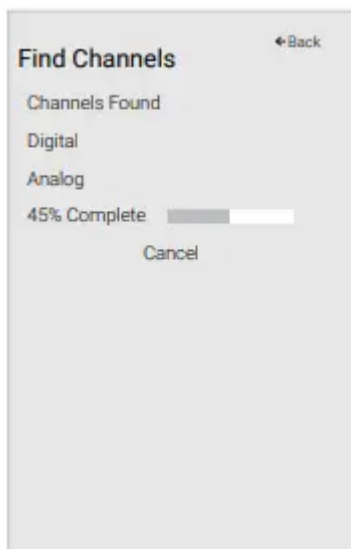
Scanning for Channels

The TV may need to scan for channels before it can display programs and their associated information. A channel scan is required for free over-the-air channels (using an antenna) and cable channels from an out-of-the-wall connection (without a cable box). Moving the TV to an area with different channels requires the TV to scan for channels again.

To perform an Auto Channel Scan:

1. From the CHANNELS menu, highlight Find Channels, and press OK. The auto channel scan begins.
2. Wait until the channel scan is 100% complete. Highlight Done and press OK.
3. Press the Exit button on the remote.

If the channel scan is cancelled, the channels that were already discovered are retained. A new channel scan will clear all channels.

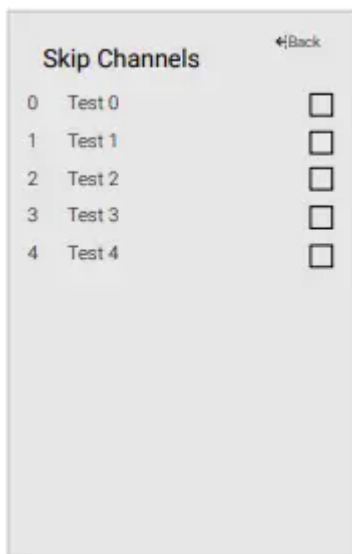


Skipping Channels

After a channel scan is completed, you may find that some channels are too weak to watch comfortably. There may also be some channels you do not want to view. You can remove these channels from the TV's memory with the Skip Channel feature.

To remove a channel:

1. From the CHANNELS menu, highlight Skip Channel, and press OK. The SKIP CHANNEL menu is displayed.
2. For each channel you wish to remove, use the Up/Down Arrow buttons on the remote to highlight the channel and press OK. A ✓ appears to the right of each channel you select.
3. When you have selected all of the channels you wish to remove, press the Exit button on the remote.



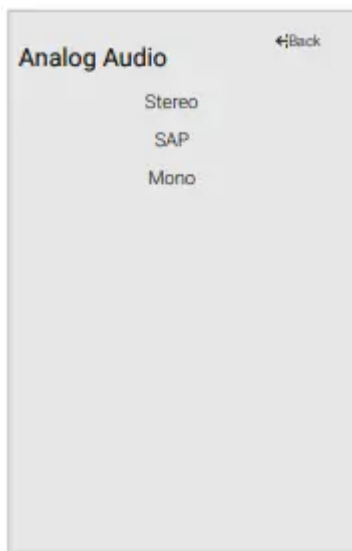
LISTENING TO ALTERNATE AUDIO

Changing the Analog Audio Language

Some analog over-the-air (free) and cable channels broadcast programs in more than one language. The TV's Analog Audio feature allows you to listen to audio in an alternate language using Secondary Audio Programming (SAP).

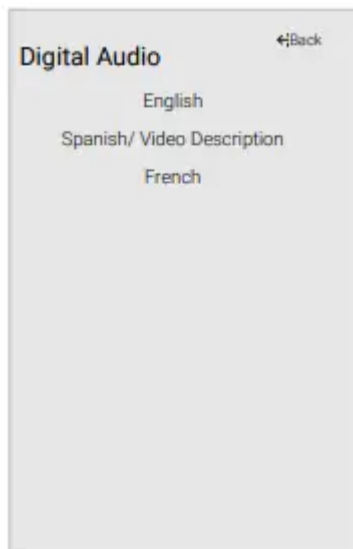
To use the Analog Audio feature:

1. From the CHANNELS menu, highlight Analog Audio and press OK. The ANALOG AUDIO menu is displayed.
2. Select Stereo, SAP (secondary audio programming), or Mono. Press OK.
3. Press the Exit button on the remote.



To use the Digital Language feature:

1. From the CHANNELS menu, highlight Digital Audio and press OK. The DIGITAL LANGUAGE menu is displayed.
2. Select your preferred language: English, Spanish/Video Description, French. Press OK.
3. Press the Exit button on the remote.



PARENTAL CONTROLS

Using Parental Controls

The TV's parental controls allow you to prevent the TV from displaying certain channels or programs without a password.

The Parental Controls menu only appears when:

- You are using the tuner to receive your TV signals, such as when you are using an antenna for Over-the-Air signals or when connected to cable TV directly from the wall (no cable box).
- You have a device connected using a composite video cable or a coaxial cable, such as a VCR, satellite or cable box, or DVR.

Accessing the Parental Controls Menu

To access the PARENTAL CONTROLS menu:

1. Press the Menu button on the remote. The on-screen menu is displayed.
2. Use the Arrow buttons on the remote to highlight Channels and press OK. The CHANNELS menu is displayed.
3. Use the Arrow buttons on the remote to highlight Parental Controls and press OK.
4. Enter your set System PIN.

Enabling or Disabling Program Ratings

To manage program content according to its rating, you must enable the Program Rating feature.



To enable or disable the Program Rating feature:

1. From the PARENTAL CONTROLS menu, highlight Locks and press OK. The LOCKS menu is displayed.
2. Select On or Off and press OK.

Locking and Unlocking Channels

When a channel is locked, it will be inaccessible. Locking a channel is a good way to prevent children from viewing inappropriate material.

To lock or unlock a channel:

1. From the PARENTAL CONTROLS menu, highlight Channel Locks and press OK. The CHANNEL LOCKS menu is displayed.
2. Highlight the channel you want to lock or unlock and press OK.
3. When a channel is locked, the Lock icon appears  locked. The channel is not accessible unless the parental PIN is entered.
4. When a channel is unlocked, the Lock icon appears  unlocked. The channel is accessible.

Blocking and Unblocking Content by Rating

A channel may sometimes broadcast programs that are meant for children, and at other times broadcast programs that are meant for mature audiences. You may not want to block the channel completely using a channel lock, but you may wish to block certain programs from being viewed.

When this is the case, you can use the TV's Rating Block feature to block content based on its rating.

For a list of content ratings and their definitions

To block or unblock content by its rating:

1. From the PARENTAL CONTROLS menu, highlight the content type you want to adjust and press OK:


USA TV - USA television program broadcasts.


USA Movie - USA movie broadcasts.

Canadian English - Canadian English television program broadcasts.

Canadian French - Canadian French television program broadcasts.

2. For each rating type you want to block or unblock, use the Up/Down and Left/Right Arrow buttons on the remote to highlight the rating type and press OK.

3. When the rating type is blocked, the Lock icon appears  locked. Content with this rating and all higher ratings cannot be viewed.

4. When the rating type is unblocked, the Lock icon appears  unlocked. Content with this rating and all lower ratings can be viewed.

If you want to block all unrated content, highlight Block Unrated Shows and use the Arrow buttons on the remote to select On.

5. When you are finished adjusting the rating level blocks, press the Exit button on the remote.

SETTING UP CLOSED CAPTIONING

Your TV can display closed captions for programs that include them. Closed captions display a transcription of a program's dialogue.

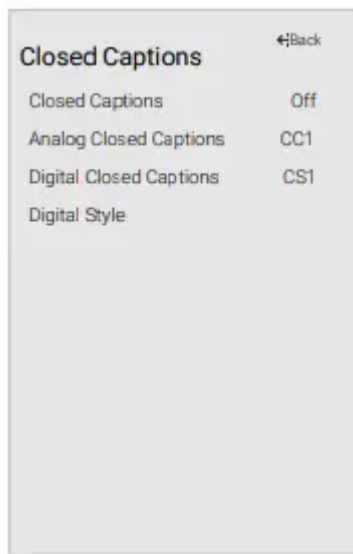
To activate or deactivate closed captions:

1. Press the Menu button on the remote. The on-screen menu is displayed.

2. Use the Arrow buttons on the remote to highlight Closed Captions and press OK. The CLOSED CAPTIONS menu is displayed.

3. Use the Arrow buttons on the remote to highlight ClosedCaptions and then use the Left/Right Arrow buttons to select On or Off.

4. Use the Arrow buttons on the remote to highlight either Analog or Digital Closed Captions.
5. Use the Left/Right Arrow buttons on the remote to select the caption channel you wish to display, then press Exit.



Changing the Appearance of Digital Closed Captions

Digital closed captions can be displayed according to your preference. See the diagram on the next page for an explanation of the parts of the closed caption area.

To change the appearance of digital closed captions:

1. From the CLOSED CAPTIONS menu, use the Arrow buttons to highlight Digital Style and press OK.
2. Use the Left/Right Arrow buttons on the remote to select Custom. The DIGITAL STYLE menu appears as shown.
3. Use the Up/Down Arrow buttons on the remote to highlight the setting you wish to change, then use the Left/Right Arrow buttons to change the setting:
 - Caption Style - Choose As Broadcast to keep default settings or Custom to manually change each setting.
 - Text Style - Change the font used for the closed captioning text.
 - Text Size - Make the text larger or smaller.
 - Text Color - Change the color of the text.
 - Text Opacity - Change the transparency of the text.
 - Text Edges - Change the effects at the edges of the text, such as raising the edges or adding drop shadows.
 - Text Edges Color - Change the color of the text edge effects.
 - Background Color - Change the color of the background directly behind the text.

- Background Opacity - Change the transparency of the background directly behind the text.
- Window Color - Change the color of the closed captioning box.
- Window Opacity - Change the opacity of the closed captioning box.

4. When you are satisfied with the appearance of the closed captions, press the Exit button on the remote.



Typical choices include:

- Opaque background, transparent window—Only a strip of background appears behind the text, expanding as the text appears. This is the typical "As Broadcast" mode.
- Opaque background and window in the same color—When text appears, the entire line fills with color at once.

In the example below, the closed caption text is green, the background is black, and the window is red.



RENAMING DEVICES ON THE INPUT MENU

You can rename the inputs to make them easier to recognize on the Input menu. For example, if you have a DVD player connected to the Component input, you can rename that input to display “DVD Player.” See [Changing the Input Source](#) .

To change the name of an input:

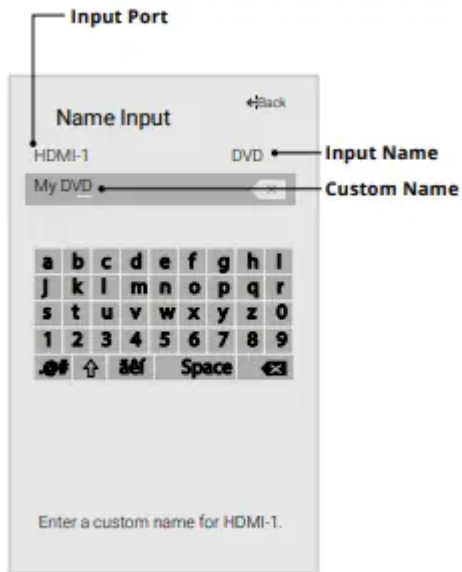
1. Press the Menu button on the remote. The on-screen menu is displayed.
2. Use the Arrow buttons on the remote to highlight Devices and press OK. The DEVICES menu is displayed.
3. Highlight the input device that you want to rename and press OK .
4. To use a preset input name:
 - a. Highlight the Input Port row and press OK .
 - b. Highlight the input name you want to use and press OK .

—or—

To enter a custom name:

- a. Enter your custom label using the on-screen keyboard.

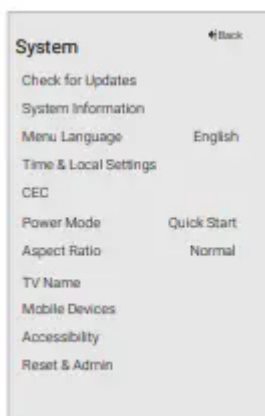
- b. Highlight OK and press OK .
 - c. The Input Name changes to show the custom name that you created.
5. When you have finished naming your input, press the Exit button on the remote.



CHANGING THE TV SETTINGS

Using the SYSTEM menu, you can:

- Check for updates
- View system information
- Change the on-screen menu language
- Set time zone and local settings
- Adjust the CEC settings
- Adjust the Power Mode
- Adjust the aspect ratio
- Name the Display
- Review and maintain the list of paired devices
- Adjust accessibility settings
- Reset the Display settings & set up administrative controls



Checking for System Updates

To check for system updates:

1. Press the Menu button on the remote. The on-screen Menu is displayed.
2. Use the Arrow buttons on the remote to highlight Check for Updates and press OK. The Display will begin to check for updates.
3. If an update is found, the Display will ask to confirm the update. If no update is found, the display will note No Update Available.

Viewing System Information

To view technical data and status information about your TV and network connection:

1. Press the Menu button on the remote. The on-screen menu is displayed.
2. Use the Arrow buttons on the remote to highlight System and press OK. The SYSTEM menu is displayed.
3. Highlight System Information and press OK.
4. Use the Up/Down Arrow buttons to scroll through the system information.
5. When you are finished reviewing the system information, press the Exit button on the remote.

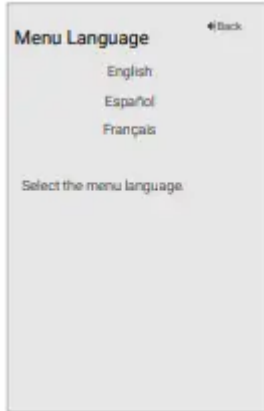
Changing the On-Screen Menu Language

Your TV can display the on-screen menu in different languages.

To change the on-screen menu language:

1. Press the Menu button on the remote. The on-screen menu is displayed.
2. Use the Arrow buttons on the remote to highlight System and press OK. The SYSTEM menu is displayed.
3. Use the Arrow buttons on the remote to highlight Menu Language and press OK. The MENU LANGUAGE menu is displayed.
4. Highlight your preferred language (English, Español, or Français) and press OK.

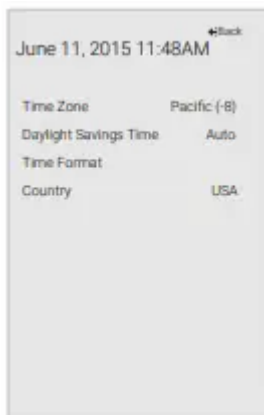
5. Press the Exit button on the remote



Setting the Time and Local Settings

To ensure the correct time is displayed when you press the INFO button, set the TV's time zone:

1. Press the Menu button on the remote. The on-screen menu is displayed.
2. Use the Arrow buttons on the remote to highlight System and press OK. The SYSTEM menu is displayed.
3. Use the Arrow buttons on the remote to highlight Time & Local Settings and press OK. The menu headed by the local date and time is displayed.
4. Highlight Time Zone and press OK. The TIME ZONE menu is displayed.
5. Highlight your time zone and press OK.
6. Highlight Daylight Saving Time and press OK. The DAYLIGHT SAVING TIME menu is displayed. Choose On if it is currently Daylight Savings Time, Off if it is Standard Time, or Auto to have the system automatically detect Daylight Savings Settings.
7. Press the Exit button on the remote.



Adjusting the CEC Settings

The CEC function on your TV enables you to control devices connected to HDMI (ARC) input with the included remote, without any programming. Using CEC, your VIZIO TV remote can control:

- Power On/Off
- Volume
- Mute

To enable, disable, or adjust CEC settings:

1. Set up your audio device and connect it to the HDMI-1(HDMI Arc) input on the TV
2. On your audio device, select the HDMI ARC input
3. Press the Menu button on the remote. The on-screen menu is displayed.
4. Use the Arrow buttons on the remote to highlight System and press OK. The SYSTEM menu is displayed.
5. Use the Arrow buttons on the remote to highlight CEC and press OK. The CEC menu is displayed.
6. Highligh CEC and press OK. Select a setting and then press OK.
 - CEC - To use CEC, you must select Enable.
 - Device Discovery - To determain if your device is connected and supports CEC, select Device Discovery and then press OK.
7. Press the Exit button on the remote.

Turning the Power Indicator On or Off

The Power Indicator on the front of your TV normally does not glow when the TV is on. You can change this setting if you prefer the light to be on. To turn the Power Indicator Light On or Off:

1. Press the Menu button on the remote. The on-screen menu is displayed.
2. Use the Arrow buttons on the remote to highlight System and press OK. The SYSTEM menu is displayed.
3. Highlight Power Indicator and press OK.
4. Use the Up/Down Arrow buttons to select On or Off, then press OK.

Changing the TV Name

Naming your TV helps differentiate it from other cast devices you may have in your home. To view your TV name:

1. Press the Menu button on the remote. The on-screen menu is displayed.

2. Use the Arrow buttons on the remote to highlight System and press OK. The SYSTEM menu is displayed.
3. Use the Arrow buttons on the remote to highlight TV Name and press OK. The TV Name is displayed.
4. Enter your custom name using the on-screen keyboard.
5. Press the Exit button on the remote.

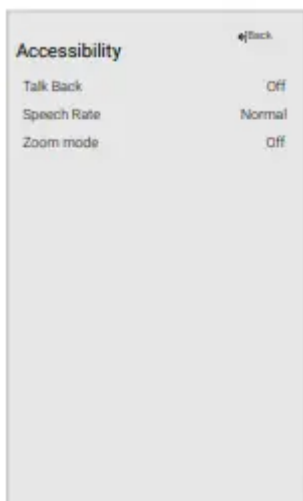


ACCESSIBILITY SETTINGS

VIZIO is committed to providing intuitive, user-friendly products. Your new VIZIO TV offers several accessibility features that can help you get the most out of it.

To access the ACCESSIBILITY menu:

1. Press the Menu button on the remote control.
2. Use the Arrow and OK buttons to navigate and select System -> Accessibility.
 - Talk Back* - Turn Text-to-Speech Talk Back On or Off. Text-to-Speech Talk Back enables your TV to speak all settings changes and adjustments using the remote in English.
 - Speech Rate - Adjusts the rate in which Text-to-Speech is spoken. Select Slow, Normal (Default), or Fast.
 - Zoom Mode - Enlarges a section of the screen by approximately 200%.

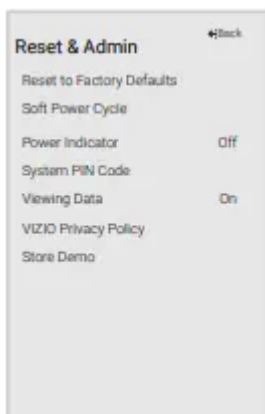


USING THE RESET & ADMIN MENU

You can use the TV's RESET & ADMIN menu to restore the TV to its factory default settings as well as access other system settings.

Using the RESET & ADMIN, you can:

- Reset the TV to factory settings
- Force the system to power off and on
- Create a system pin code to lock content and picture settings
- Enable or disable program offers and suggestions
- Enable or disable anonymous debug data for system performance.
- Start or stop the Store Demo Mode



Restoring the TV to Factory Default Settings

All of the on-screen menu settings can be reset to the factory defaults.

To restore the TV to its factory default settings:

1. Press the Menu button on the remote. The on-screen menu is displayed.

2. Use the Arrow buttons on the remote to highlight System and press OK. The SYSTEM menu is displayed.
3. Highlight Reset & Admin and press OK. The RESET & ADMIN menu is displayed.
4. Highlight Reset to Factory Defaults and press OK. If you have changed the set system PIN, enter it now. The TV displays, "Select Reset to restore all TV settings to factory defaults and clear all account information."
5. Highlight Reset and press OK.
6. Wait for the TV to turn off. The TV will turn back on shortly afterward and the Setup App will begin.

SET SYSTEM PIN

You can set a System PIN to use:

1. Picture mode lock
2. Parental controls
3. Reset to TV to factory default setting

The first time you select System PIN code, you will enter a PIN. The next time you open System PIN code, you can reset your PIN code.



ABOUT VIEWING DATA

Video ACR collects data related to publicly available content displayed on your television/display, such as the identity of your broadcast, cable, or satellite television provider, and the television programs and commercials viewed (including time, date, channel, and whether you view them live or at a later time). We also collect unique identifiers about this TV, including the IP address. This data is collectively referred to as "Viewing Data." For more information about Viewing Data and how VIZIO protects its customers' privacy, please consult our privacy policy .

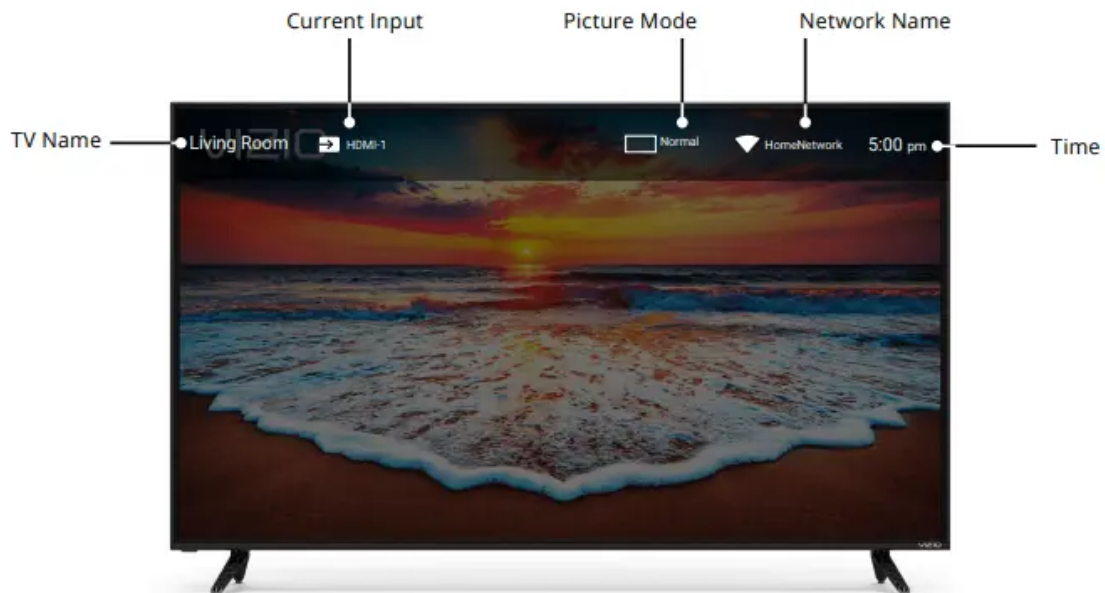
When ACR collection is turned on, we may share Viewing Data with authorized data partners including analytics companies, media companies and advertisers. VIZIO and its authorized data partners use Viewing Data to generate summary analysis and reports of how users engage with content on their TVs and other devices. VIZIO Viewing Data is sometimes enhanced with household demographic data and data about digital actions (e.g. digital purchases and other consumer behavior taken by devices associated with the IP Address we collect). Viewing Data also enables our authorized data partners to deliver advertising relevant to your profile that you might find useful, both on the VIZIO TV/display and other devices sharing your IP Address. Viewing Data is also used to help content publishers, broadcasters or content distribution services create or recommend more relevant entertainment based on summary insights, as well as helps us improve the design of our products, software and services.

You can easily turn this feature On or Off in the RESET & ADMIN menu. If you have trouble enabling or disabling Viewing Data, please contact VIZIO customer service by emailing or calling (855) 472-8817.

USING THE INFO WINDOW

The INFO window can be displayed by pressing the Info button on the remote:

- Press the Info button one time to display the TV name, current input, picture mode, network name, and time.



SmartCast TV

What is SmartCast TVSM ?

SmartCast TV lets you discover, stream, and control your content like never before. Access top apps like Netflix more easily, using the included remote to browse and launch content

directly from the big screen. SmartCast TV makes finding something to watch more fun. Plus, you can quickly set up and adjust settings right on the TV using the included remote control.

What can you do with SmartCast TVSM ?

- Browse and launch top tier apps directly from the big screen using the included remote.
- Stream content directly from the home screen with a single button press.
- Stream high quality entertainment in Full HD.
- Initiate a stream with the included IR remote, pause with mobile app, continue controlling with voice via Google Home

How to Launch SmartCast TVSM

To launch and begin streaming with SmartCast TV:

- Press the V Logo button () on your remote

-OR-

- Select SmartCast from the list of inputs.



1. **Marquee Content Carousel**
2. **Featured Content** - New or popular content across multiple apps
3. **Streaming Apps**
4. **Quick Access to Popular Apps**
5. **V-Key** - Launch SmartCast TV with one click

Playing USB Media

Playing USB Media

You to connect a USB thumb drive to your TV to play videos.



Preparing Your USB Drive to Play USB Media

To TV USB media, you must first save your videos onto a USB thumb drive:

- The USB thumb drive must be formatted as FAT32.
- Files on the USB thumb drive must end in a supported file extension (.mp4 only).
- The player is not designed to play media from external hard drives, MP3 players, cameras, or smartphones.

TVing USB Media

To TV your USB media:

1. Connect your USB thumb drive to the USB port on the side of the TV.
2. The TV will recognize the USB stick and begin playing content on its own.

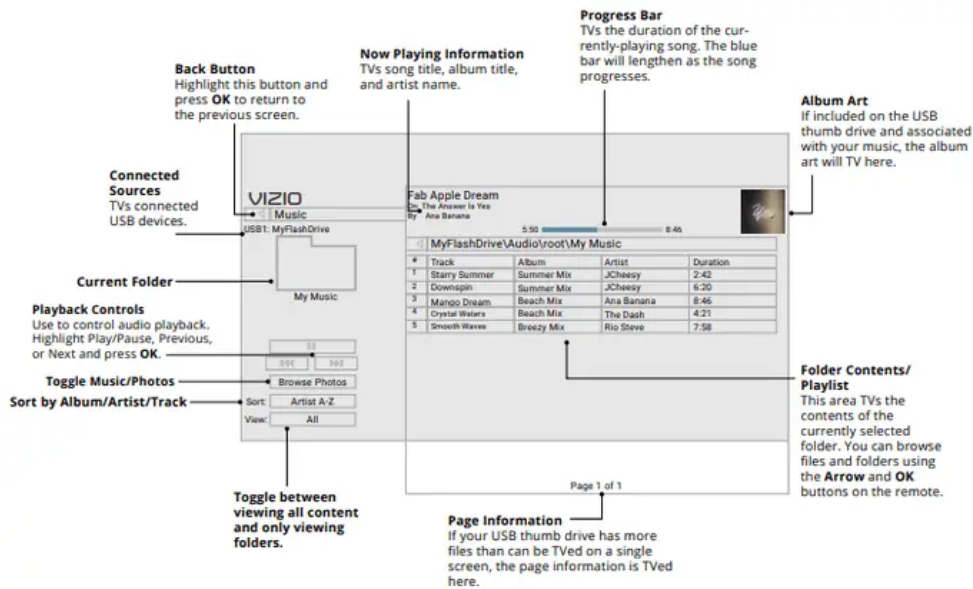
-OR-

Select USB from the bottom streaming icons on the SmartCast Homepage.

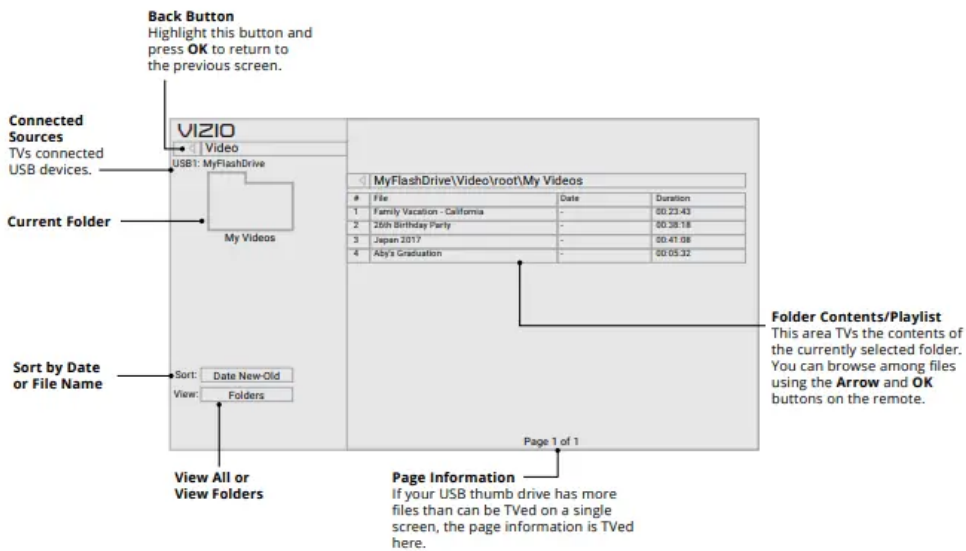
Removing the USB Drive from the TV

To safely remove your USB drive from the TV:

1. Turn off the TV.
2. Disconnect your USB thumb drive from the USB port on the side of the TV.



MUSIC PLAYER



VIDEO PLAYER



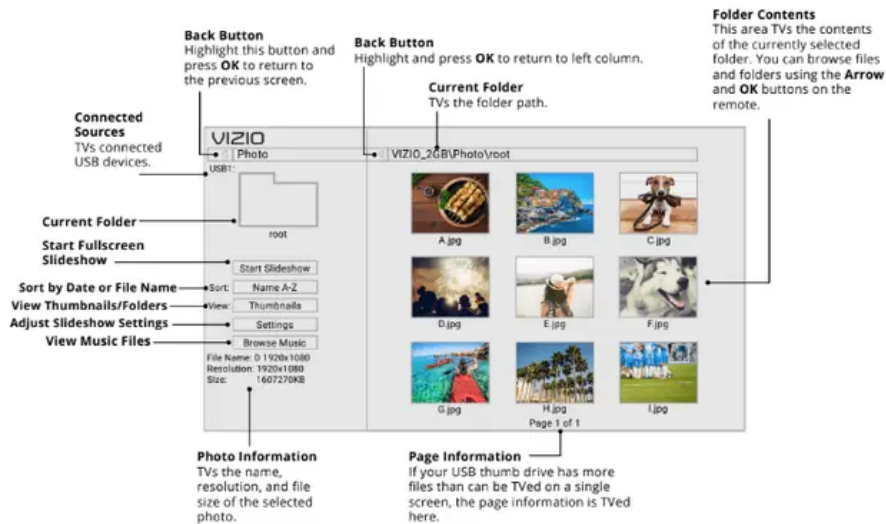


PHOTO VIEWER

Troubleshooting

HELP TOPICS

The remote is not responding.

- Make sure the batteries are properly inserted matching the - and + symbols.
- Replace the batteries with fresh ones.

The TV displays “No Signal.”

- Press Input button on the remote control to select a different input source.
- If you are using cable TV or antenna connected directly to the TV, scan for channels. See Scanning for Channels.

There is no power.

- Ensure the TV is plugged into a working electrical outlet.
- Ensure the power cable is securely attached to the TV.
- Press the Power/Standby button on the remote or on the back of the TV to turn the TV on.

The power is on, but there is no image on the screen.

- Ensure all cables are securely attached to the TV.
- Ensure all devices are connected correctly. Devices differ; see your device’s user manual for details.
- Adjust Brightness, Contrast, or Backlight. See Adjusting the Picture Settings.
- Press the Input button on the remote to select a different input source.

I see “noise” or static on the screen.

- When your TV’s digital capabilities exceed a digital broadcast signal, the signal is up-converted (improved) to match your TV’s display capabilities. This up-converting can sometimes cause irregularities in the image.
- If you are using an antenna, the signal strength of the channel may be low. Ensure your antenna is connected securely to the TV and move the antenna around the room or close to a window for the best signal.

There is no sound.

- Press Volume Up on the remote control.
- Press the Mute button on the remote to ensure mute is off.
- Check the audio settings. See Adjusting the Audio Settings.
- Check the audio connections of external devices (Blu-ray player, game console, cable/satellite box) that are connected to the TV.
- If you are using an antenna, the signal strength of the channel may be low. Ensure your antenna is connected securely to the TV and move the antenna around the room or close to a window for the best signal.

The sound is flat or dialog is not audible.

- Turn off Volume Leveling. See Adjusting the Audio Settings.

The colors on the TV don’t look right.

- Adjust the Color and Tint settings in the Picture menu. See Adjusting the Picture Settings.
- Select a pre-set picture mode. See Adjusting the Picture Settings. VIZIO recommends selecting Calibrated.
- Check all cables to ensure they are securely attached.

The buttons on the remote aren’t working.

- Ensure you are only pressing one button at a time.
- Point the remote directly at the TV when pressing a button.
- Replace the remote batteries with new ones. See Replacing the Batteries.


The image quality is not good.

- For the best image quality, view high-definition programs using digital sources. Connect your devices with HDMI cables.
- If you are using an antenna, the signal strength of the channel may be low. Ensure your antenna is connected securely to the TV and move the antenna around the room or close to a window for the best signal.

The picture is distorted.

- Move the TV away from electrical appliances, cars, and fluorescent lights.
- Ensure all cables are securely attached.

The display image does not cover the entire screen.

- If you are using TV, AV, or Component with 480i input, press the  button on the remote to change the screen mode.

The TV has pixels (dots) that are always dark.

- Your HD TV is precision-manufactured using an extremely high level of technology. However, sometimes pixels may not display correctly. These types of occurrences are inherent to this type of product and do not constitute a defective product.

When I change input source, the display image changes size.

- The TV remembers the viewing mode on each input source. If the viewing mode on the new input source differs from the one on the input source you switch from, the difference may be noticeable.
- See Changing the Screen Aspect Ratio.

How do I watch Cable/Antenna TV channels?

- If you subscribe to cable or satellite, simply connect an HDMI cable (not included) to the receiver.
- If you use external antennas to watch local broadcast channels, connect via coaxial.


How do I change the Inputs?

- Press the Input button on the back of the TV to cycle through the Inputs.
- Press the Input button on the remote to cycle through the Inputs.
- If the VIZIO SmartCast™ App is installed on your phone or tablet, open the VIZIO SmartCast™ App. Tap on the Device list and select your TV. Tap on the Input key and select the Input of your choice

How do I connect to my Wi-Fi network?

- On your remote, press the Menu button then go to Network -> Select your Wi-Fi name -> Enter password.
- If the VIZIO SmartCast™ App is installed on your phone or tablet, open the VIZIO SmartCast™ App. Tap on the device list and select your TV. Tap on the Settings icon -> Network -> Wireless Access Points. Select your Wi-Fi network from the list, enter the Wi-Fi password, and tap Connect.

How do I stream apps like Netflix and Youtube to my VIZIO SmartCast™ TV?

- Launch SmartCast TVSM. Press the V Logo button () on your remote or select SmartCast from the list of inputs.
- Download and open a Chromecast-enabled apps on your mobile device, such as like Netflix or Youtube. Then tap the Cast button.

How do I exit Demo Mode?

- Press and hold the Input button on the back of the TV to exit the demo mode

How do I download the VIZIO SmartCast™ App?

- Make sure your phone or tablet is connected to a Wi-Fi network. Open a browser on your phone or tablet. Navigate to vizio.com/smartcastapp and follow the on-screen instructions to download the VIZIO SmartCast™ App.

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.