

# Getting to Know Your TV

## FRONT PANEL



**Remote Sensor and 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, see **Turning the Power Indicator On or Off** on page 23.

## REAR PANEL

**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.

**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.

**HDMI**  
Connect an HDMI device

**Composite**  
Connect a composite

**Audio Out**  
Connect to an RCA device, such as sound bar

**Coaxial**  
Connect to a coaxial cable from cable, satellite, or antenna

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

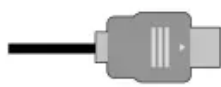
**Optical Audio Out**  
Connect to an optical/SPDIF audio device, such as home audio receiver

**Ethernet**  
Connect an Ethernet cable to modem/router



## Connecting a device — AUDIO & VIDEO CABLE TYPES

### HDMI CABLE



HDMI

### COAXIAL CABLE



Coaxial

### COMPOSITE (AV) CABLE



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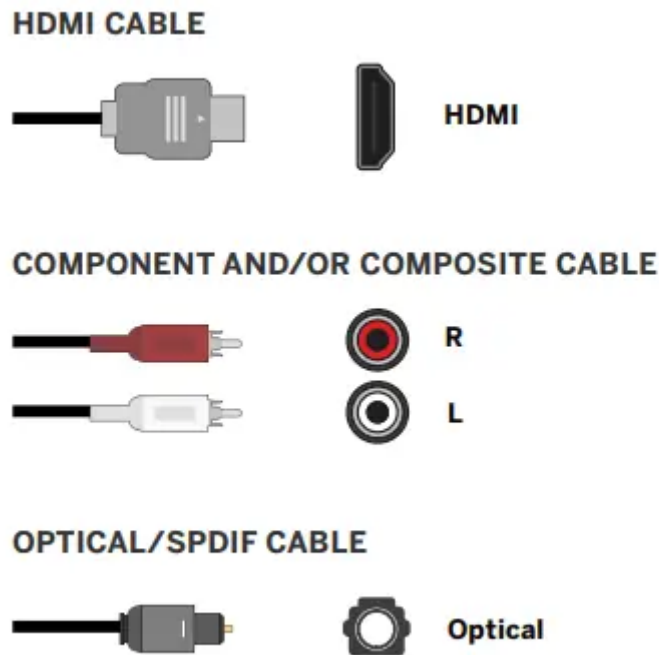


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Your TV can be used to display output from most devices.

1. Verify that your device has a video port that matches an available port on the TV (HDMI, Composite, etc.).
2. Connect the appropriate cable (not included) to the TV and the device.
3. Turn the TV and your device on.
4. Set the TV's input to match the connection you used (HDMI-1, HDMI-2, etc.).

## Connecting a device — AUDIO CABLE TYPES



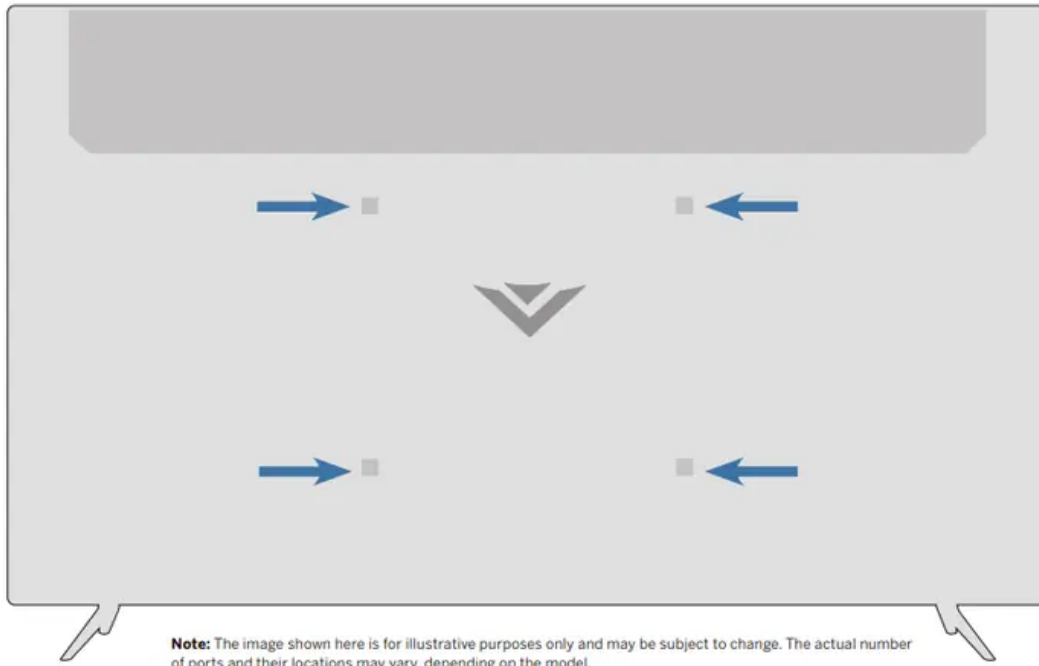
Your TV can be output sound to an audio device, such as a receiver or sound bar.

1. Verify that your device has an audio port that matches an available port on the TV (optical, RCA, etc).
2. Connect the appropriate cable (not included) to the TV and the device.
3. Turn the TV and your device on.

## WALL-MOUNTING THE TV

First you will need a wall mount. Consult the provided table below to find the appropriate mount for your TV. Be sure the mount you choose is capable of supporting the weight of the TV. 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. If attached, remove the stands by loosening and removing the screws.
4. Attach your TV and wall mount to the wall by carefully following the instructions that came with your mount. Use only with a UL-listed wall mount bracket rated for the weight/load of your TV.

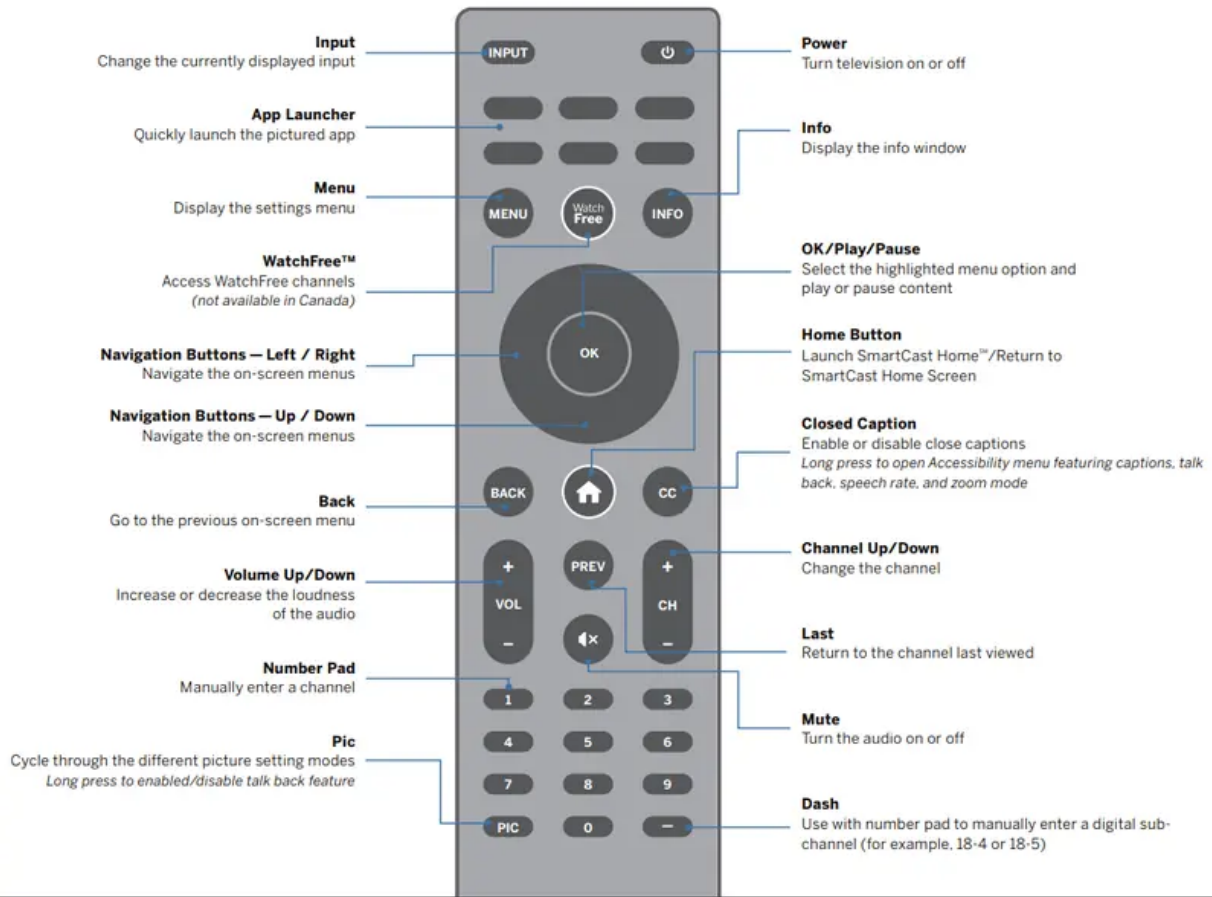


**Note:** The image shown here is for illustrative purposes only and may be subject to change. The actual number of ports and their locations may vary, depending on the model.

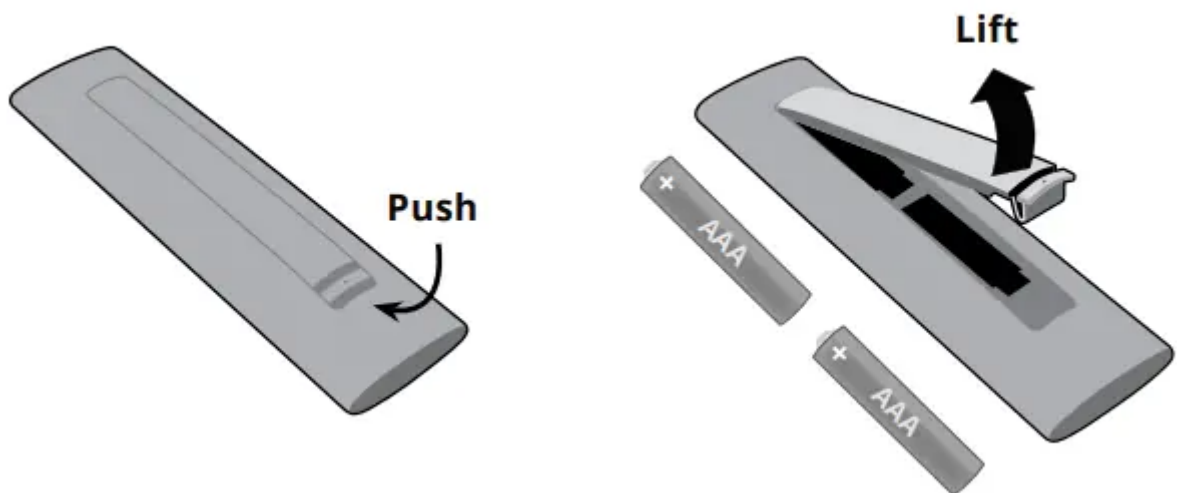
	V435-H1	V435-H2	V505-H1	V505-H2	V505-H3	V505-H4	V505-H5	V505-H6	V705-H1	V705-H2
<b>Screw Size:</b>	M6	M6	M6	M6	M6	M6	M6	M6	M6	M6
<b>Hole Depth:</b>	10 mm	10 mm	9 mm	9 mm	14 mm	10 mm	9 mm	9 mm	14 mm	14 mm
<b>Hole Pattern:</b>	200 x 200 mm	200 x 200 mm	200 x 200 mm	200 x 200 mm	400 x 200 mm	400 x 200 mm	400 x 200 mm	400 x 200 mm	400 x 200 mm	400 x 200 mm
<b>Weight w/o Stand:</b>	14.97 lb (6.79 kg)	14.97 lb (6.79 kg)	21.54 lb (9.77 kg)	21.54 lb (9.77 kg)	37.50 lb (17.0 kg)	42.58 lb (19.32 kg)	44.97 lb (20.40 kg)	44.97 lb (20.40 kg)	52.69 lb (23.90 kg)	52.69 lb (23.90 kg)



## USING THE REMOTE



## Replacing the Batteries



1. Push the bottom of the battery compartment and lift battery cover to open.
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 and click to close.

## Completing the First-Time Setup

Before you begin the first-time setup:

- Your TV 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 TV.

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:



## Using the On-Screen Menu

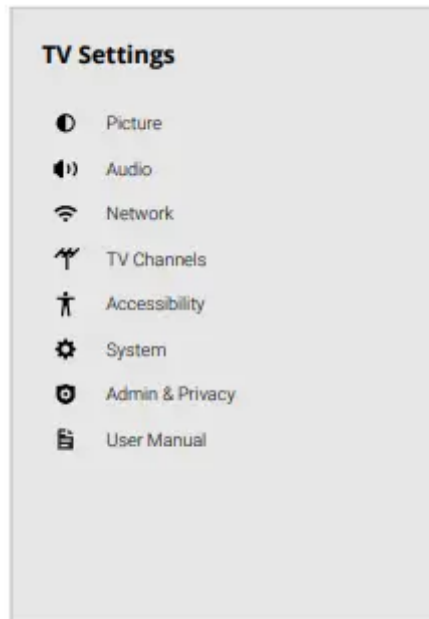
Your TV features an easy-to-use on-screen menu .

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
- Adjust the TV channel settings
- Adjust accessibility settings
- Adjust TV system settings

- Access admin and privacy settings
- View the user manual



## NAVIGATING THE ON-SCREEN MENU

To open the on-screen menu:

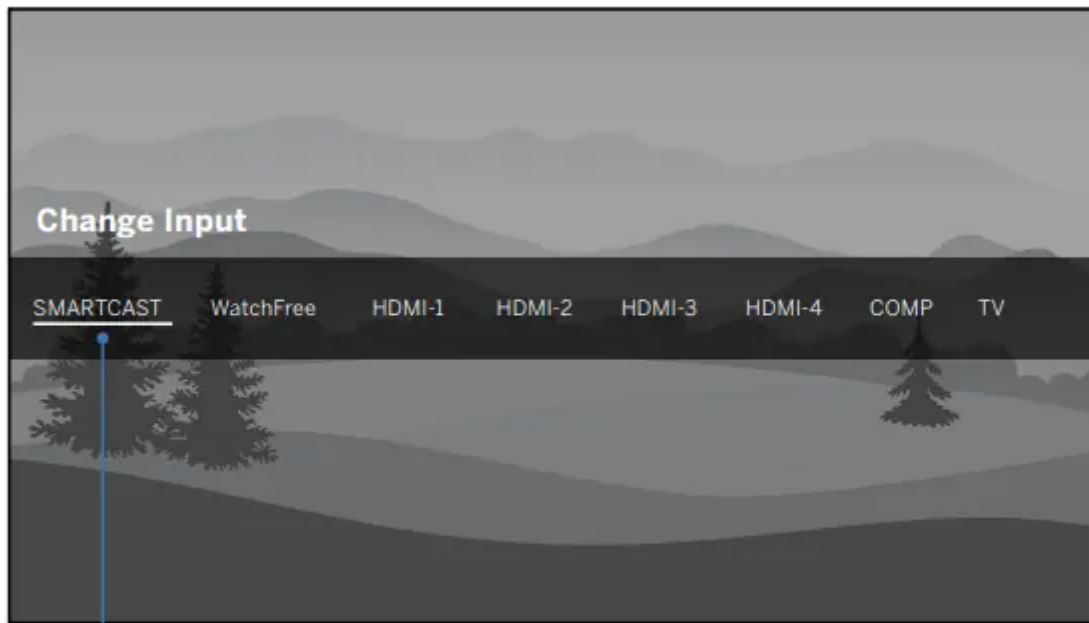
1. Press the MENU button on the remote.
2. Use the Navigation buttons to highlight a menu option, and press the OK button to select that option.

## 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 Navigation buttons or the INPUT button on the remote to highlight the input you wish to view. The corresponding inputs are named on the back of your TV.
3. Press OK or release the INPUT button. The selected input is displayed.



### **Input Name**

The underlined input on the left is the current input selected. Inputs may vary by TV.

## **ADJUSTING THE PICTURE SETTINGS**

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

To adjust the picture mode settings: Menu > Picture > Picture Mode

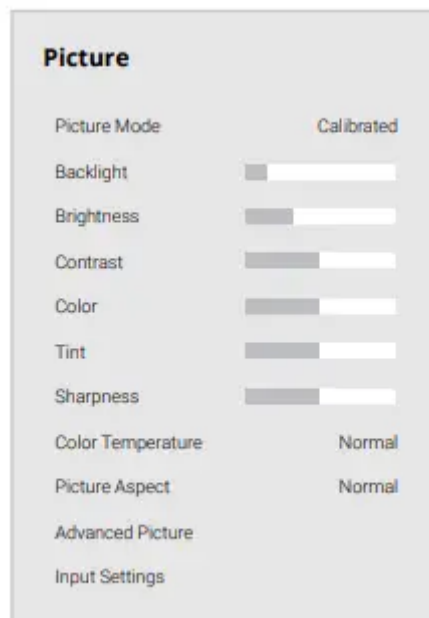
1. Use the Navigation buttons on the remote to highlight Picture Mode, then use the Left/Right Navigation buttons to change the picture mode:

- Vivid — Sets the picture settings to values that produce a brighter, more vivid picture.
- Bright — Sets the picture settings to values ideal for watching TV in a brightly-lit room.
- Calibrated — Sets the picture settings to the default settings.
- Calibrated Dark — Sets the picture settings to values ideal for watching TV in a dark room.
- Game — Reduces throughput delays and optimizes the picture settings for displaying game console output. Also the preferred picture mode for computer mode.
- Sports — Sets the picture settings to values ideal for watching sport events with motion control setting.

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

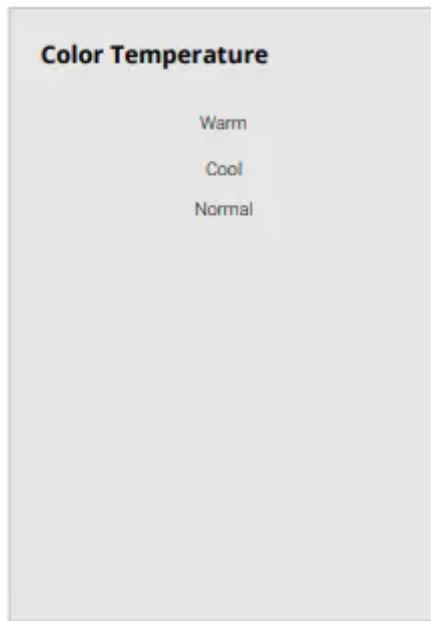
- Backlight (SDR content) or Tone Mapping (HDR content) — Adjusts the LED brightness to affect the overall brilliance of the picture.

- **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.



**Adjusting the Color Temperature:** Adjusting the color temperature changes the white balance of the picture. To adjust the color temperature: Menu > Picture > Color Temperature Use the Navigation buttons on the remote to highlight a color temperature preset and then press OK.

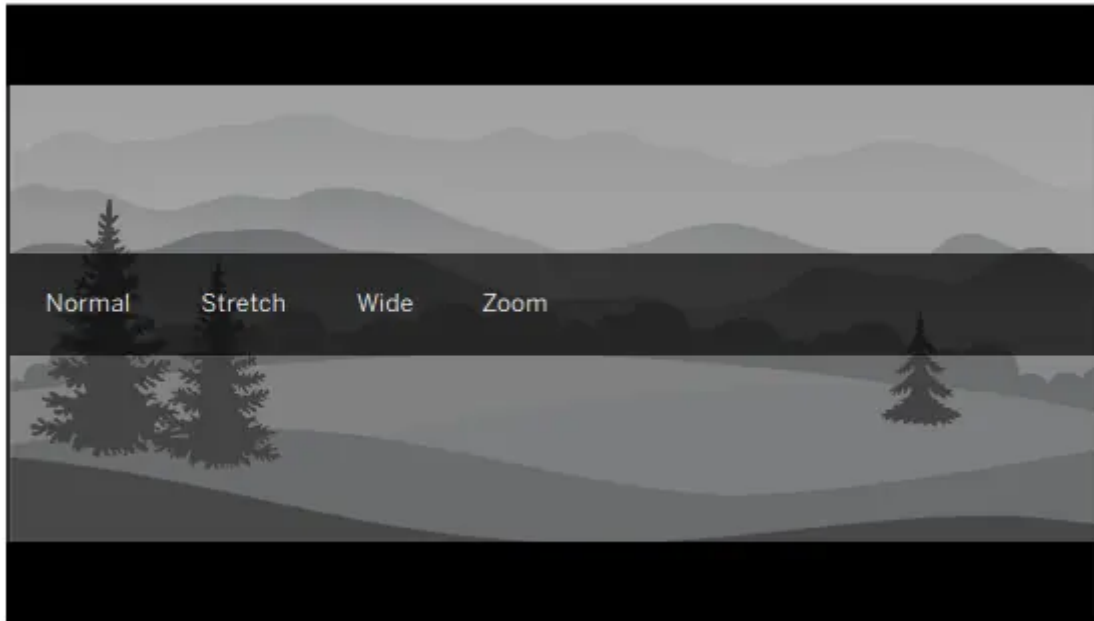
- **Warm** — Produces an orange-hued picture.
- **Cool** — Produces a blue-hued picture.
- **Normal** — Optimized for television viewing



**Changing the Picture Aspect Ratio:** To change the screen aspect ratio: Menu > Picture > Picture Aspect Use the Navigation buttons to highlight the aspect ratio you wish to view. Your TV can display images in different modes: Normal, Panoramic, Wide, Zoom, and Stretch.

- Normal (default) — No change to aspect ratio.
- Panoramic\* — Stretches a 4:3 image to fill 16:9 screen with an algorithm so the center doesn't look stretched.
- Wide — Stretches a 4:3 aspect ratio to fill 16:9 screen. If a 16:9 image, adds black bars to top and bottom.
- Zoom — Expands image both horizontally and vertically by 14%.
- Stretch\* — When the 16:9 signal is a 4:3 image with black bars left and right, stretches to fill the screen.

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



**Adjusting Advanced Picture Settings:** To adjust advanced picture settings: Menu > Picture > Advanced Picture Use the Navigation buttons to highlight the setting you wish to adjust, then press the Left/Right Navigation buttons to change the setting:

<b>Advanced Picture</b>	
Black Detail	Off
Super Resolution	Medium
Edge Enhancement	Low
Local Contrast	Low
Backlight Control	On
Reduce Noise	
Game Low Latency	Auto
Film Mode	On
Gamma	2.1 - Normal
Color Calibration	

- Black Detail — Adjusts the average brightness of the picture to compensate for large areas of brightness.
- Super Resolution — Configures the resolution to enhance dim and blurred pictures resulting in a sharper image.
- Edge Enhancement — Increases the smoothness of edges.
- Local Contrast — Adjust the contrast of the picture locally.

- Backlight Control — Dynamically improves the contrast ratio of the picture by adjusting the backlight.
- Reduce Noise:
  - Signal Noise: Reduces background picture noise when viewing analog sources. This function helps to correct "speckle" noise with a slight reduction in sharpness.
  - Block Noise: Reduces the side effects of digital compression such as "blocking" and noise on sharp edges. The High setting will cause a slight reduction in sharpness.
  - Contour Smoothing: Removes visible contour noise without loss of the complex detail.
- Game Low Latency — Reduces video delay (lag) when gaming. When set to Auto and Automatic Low Latency Mode (ALLM) is detected, ALLM will apply for the duration of the game.
- Film Mode — Optimizes the picture for watching films. Select On 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.
- Color Calibration — Calibrate colors using HSB, gain, offset and 20 point white balance and test or reset colors to defaults.

**Adjusting the Color Tuner Settings:** The Color Tuner settings allow you to adjust the color management system, 20 point white balance, turn color channels off for testing, and display SMPTE, flat, ramp, and uniformity analyzer test patterns. To access the color tuner table: Menu > Picture > Advanced Picture > Color Calibration > Color Tuner. To turn color channels off and on:

1. Use the Navigation buttons on the remote to highlight Red, Green, or Blue.
2. Press the OK button to turn the color channel off or on. An X appears over a color channel that has been turned off.
3. Only two color channels can be turned off at the same time.

To adjust the color management system/20 point white balance settings:

1. Use the Navigation buttons on the remote to highlight the Hue, Saturation, Brightness, Offset, or Gain of the color you wish to adjust. Press the OK button.
2. Use the Left/Right Navigation buttons to adjust the value. When you are finished press the OK button to save the setting.

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			

To adjust the 20 Point White Balance settings:

- From the Color Tuner table, use the Navigation buttons to highlight the top bar and then press the Left/Right Navigation buttons until the 20 POINT WHITE BALANCE menu is displayed.

20 Point White Balance				
Gain	Red	Green	Blue	
5%	0	0	0	

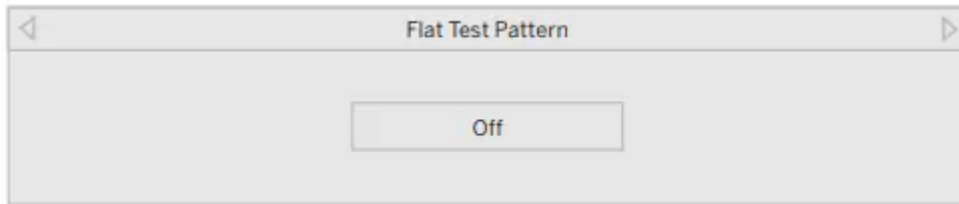
- Use the Navigation buttons on the remote to highlight the Gain and Color values you wish to adjust. Press the OK button and use the Left/Right Navigation buttons to adjust the value. When you are finished, press the OK button to save the setting.

To show or hide the SMPTE Test Pattern: Menu > Picture > Advanced Picture > Color Calibration > Color Tuner > SMPTE Test Pattern

SMPTE Test Pattern
Off

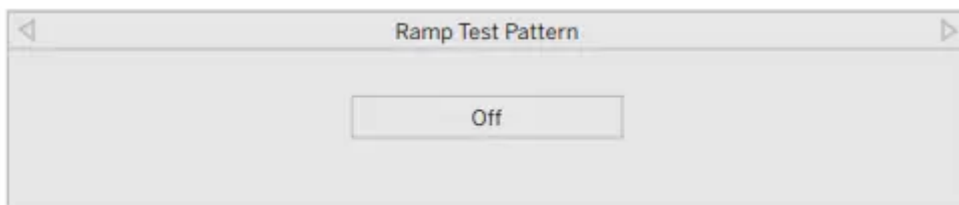
- Use the Navigation buttons on the remote to highlight Off. Use the Left/Right Navigation buttons to select On to show the SMPTE Pattern. —or—
- To hide the SMPTE Test Pattern, use the Left/Right Navigation buttons to select Off.

To show or hide the Flat Test Pattern: Menu > Picture > Advanced Picture > Color Calibration > Color Tuner > Flat Test Pattern



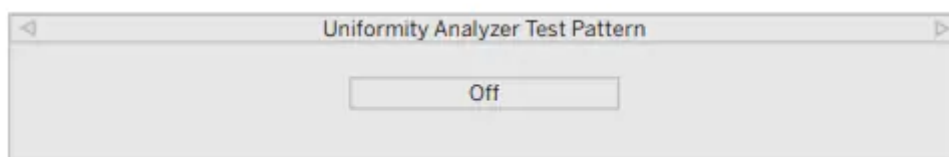
1. Use the Navigation buttons on the remote to highlight Off. Use the Left/Right Navigation buttons to select the percentage brightness for the flat test pattern. Selecting a percentage immediately shows the flat pattern at that brightness. —or—
2. To disable the Flat Test Pattern, use the Left/Right Navigation buttons to select Off.

To show or hide the Ramp Test Pattern: Menu > Picture > Advanced Picture > Color Calibration > Color Tuner > Ramp Test Pattern



1. Use the Navigation buttons on the remote to highlight Off. Use the Left/Right Navigation buttons to select the color for the ramp test pattern. Selecting a color immediately shows that color ramp. —or—
2. To hide the Ramp Test Pattern, use the Left/Right Navigation buttons to select Off.

To show or hide the Uniformity Analyzer Test Pattern: Menu > Picture > Advanced Picture > Color Calibration > Color Tuner > Uniformity Analyzer Test Pattern

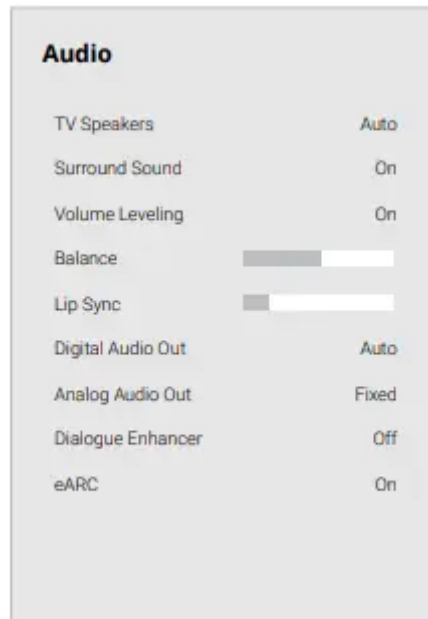


1. Use the Navigation buttons on the remote to highlight Off. Use the Left/Right Navigation buttons to select On to show the Uniformity Analyzer Test Pattern. —or—
2. To hide the Uniformity Analyzer Test Pattern, use the Left/Right Navigation buttons to select Off.

## ADJUSTING THE AUDIO SETTINGS

To adjust the audio settings: Menu > Audio

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

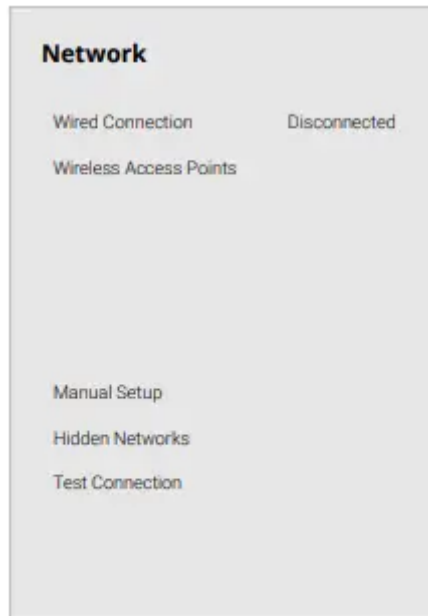


- TV Speakers — Built-in speakers automatically turn off if a sound bar is discovered. Turn the built-in speakers On or Off.
- Surround Sound — When set to On, enables surround sound suitable for sports and TV shows. Virtual:X™ adds virtualized height best for movies.
- Volume Leveling — When set On, DTS TruVolume™ audio solution levels the speaker volume.
- Balance — Balance the audio loudness between the left and right speakers.
- Lip Sync — Synchronize the display image with the audio track.
- Digital Audio Out — Select the digital audio output format for both the optical and HDMI ARC audio devices.
  - To hear talk back when Talk Back function is enabled, digital audio out must be set to PCM.
- Analog Audio Out — Select Variable if you are controlling the volume with the remote. Select Fixed if an external audio device (sound bar or AV receiver) will control the volume.
- Dialogue Enhancer — If enabled and the signal source includes Dolby 5.1 AC-4 audio then clarity of dialogue is enhanced.
- eARC — Toggle between ARC (Off) and eARC (On) for audio output using HDMI 1. If On, audio is sent using eARC and is uncompressed. If Off, audio is sent using ARC and some audio formats may play in standard Dolby Audio, DTS Digital Surround, or PCM.
- Equalizer — Only available when Surround Sound is set to OFF. Boosts or attenuates loudness at different frequencies.

## ADJUSTING THE NETWORK SETTINGS

Your TV is Internet-ready, featuring both an Ethernet port and built-in high-speed wireless internet.

### Connecting to a Wireless Network



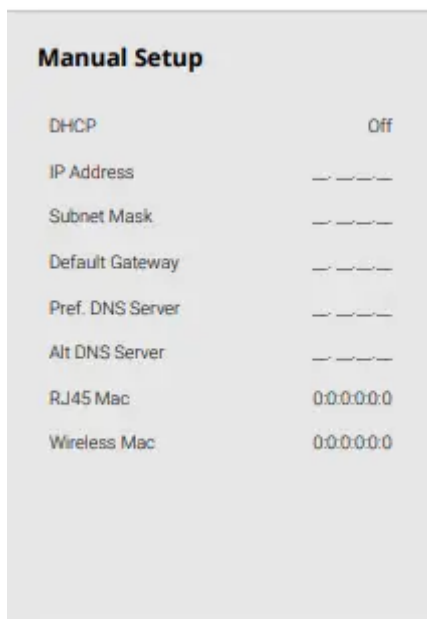
- To connect to a wireless network whose network name (SSID) is being broadcast: Menu > Network > Choose your network > Enter in the password > Connect

To forget a saved network:

- Highlight a saved wireless access point > OK > Forget
- If you do not see your wireless network displayed, click on: More Access Points > Highlight your wireless network > Enter in the password > Connect

**Changing the Manual Setup Settings:** Advanced users can fine-tune the network settings using the Manual Setup feature. The security settings on your router may require you to enter the TV's MAC address

To change advanced network settings: Menu > Network > Manual Setup > DHCP > Off



1. Use the Navigation 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.

2. Use the Navigation buttons on the remote to highlight Save and press OK.

To find the TV's MAC address: Menu > Network > Manual Setup You can find your TV's MAC address 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 (Wi-Fi) MAC address may be needed to connect your TV to your network with Wi-Fi.

**Connecting to a Hidden Network:** To connect to a wireless network whose network name (SSID) is not being broadcast: Menu > Network > Hidden Network > Enter the Access Point Name > Connect > Enter in the password

**Testing Your Network Connection:** To test your network connection: Menu > Network > Test Connection

**Enter Access Point Name**

Enter your access point name. This is used to connect to an access point with a hidden SSID.

\_\_\_\_\_ X

a	b	c	d	e	f	g	h	i
j	k	l	m	n	o	p	q	r
s	t	u	v	w	x	y	z	0
1	2	3	4	5	6	7	8	9
.@#	↑	äëí	Space					X

## SETTING UP TV CHANNELS

You can use the TV's Channels menu to:

- Find channels
- Find new channels
- Select channels to skip
- Select analog audio mode
- Select the language for digital audio
- Set parental controls

**TV Channels**

Find Channels

Find New Channels

Skip Channel

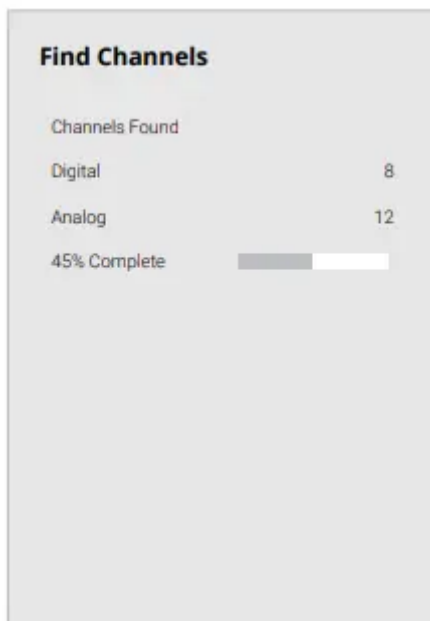
Analog Audio                      Stereo

Digital Audio                      English

Parental Controls

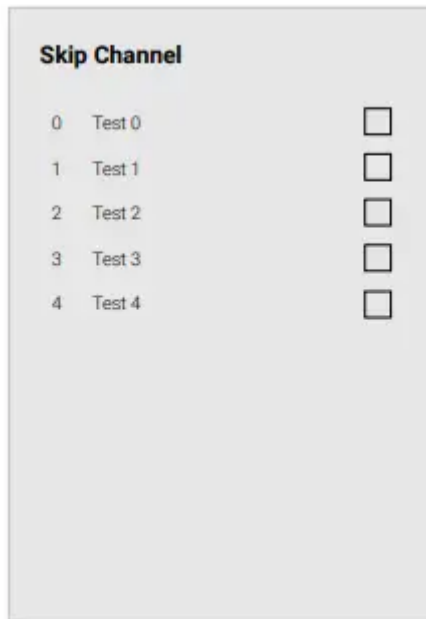
## Scanning for TV Channels

- 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: Menu > TV Channels > Find Channels



- Wait until the channel scan is 100% complete. Highlight Done and press OK.
  - If the channel scan is canceled, the channels that were already discovered are retained
- To perform a New Channel Scan: Menu > TV Channels > Find New Channels
- A New Channel Scan saves the current channel map and scans for additional 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:



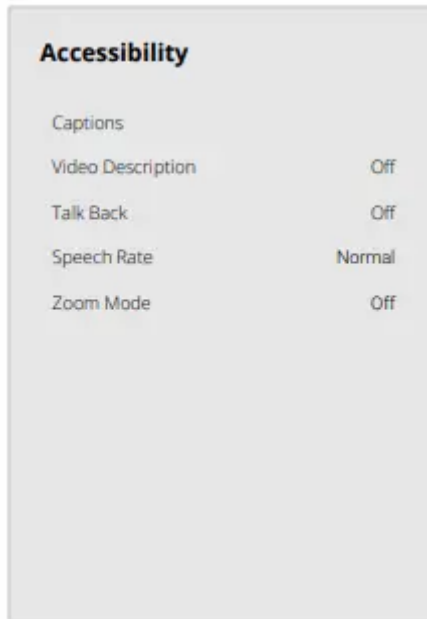
1. From the TV CHANNELS menu, highlight Skip Channel, and press OK. The SKIP CHANNEL menu is displayed.
2. For each channel you wish to remove, use the Up/Down Navigation buttons on the remote to highlight the channel and press OK. A P appears to the right of each channel you select.

## ACCESSIBILITY SETTINGS

VIZIO is committed to providing intuitive, user-friendly products. Your new VIZIO TV offers several accessibility features that can help you with easy navigation.

To access the Accessibility menu: Menu > Accessibility

1. Captions — Activate and customize analog and digital closed captions.
2. Video Description — If included by the broadcaster, provides a narrated description of the action for the content.
3. Talk Back\* — Enables your TV to speak all settings changes and adjustments using the remote in English.
4. Speech Rate — Adjusts the rate in which Text-to-Speech is spoken. Select Slow, Normal (default), or Fast.
5. Zoom Mode — Enlarges a section of the screen by approximately 200%.

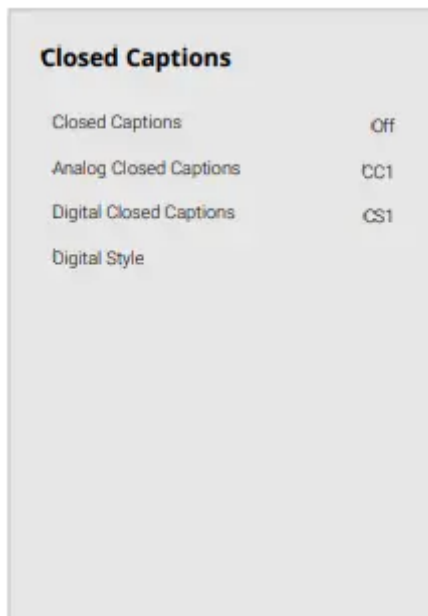


To access the Video Description menu: Menu > Accessibility > Video Description > Off/On

**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 Close Captions for current content: Menu > Accessibility > Captions >

Closed Captions > Off/On — or — Push the  button on the remote .

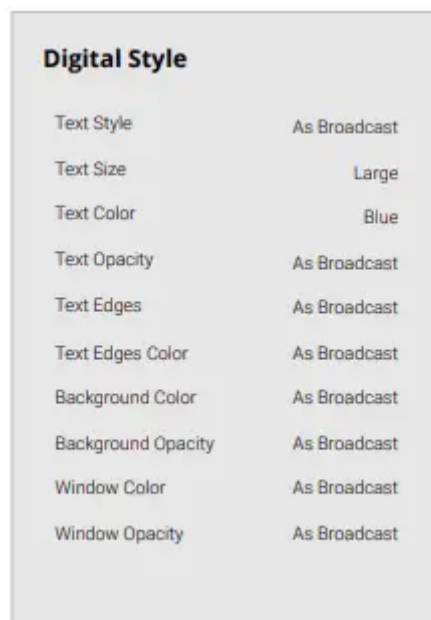


1. Use the Navigation buttons on the remote to highlight either Analog or Digital Closed Captions.

2. Use the Left/Right Navigation buttons on the remote to select the caption channel you wish to display.

## 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: Menu > Accessibility > Captions > Digital Style
1. Use the Left/Right Navigation buttons on the remote to select Custom. The Digital Style menu appears as shown.
  2. Use the Up/Down Navigation buttons on the remote to highlight the setting you wish to change, then use the Left/Right Navigation buttons to change the settings (choose "As Broadcast" to keep default setting):



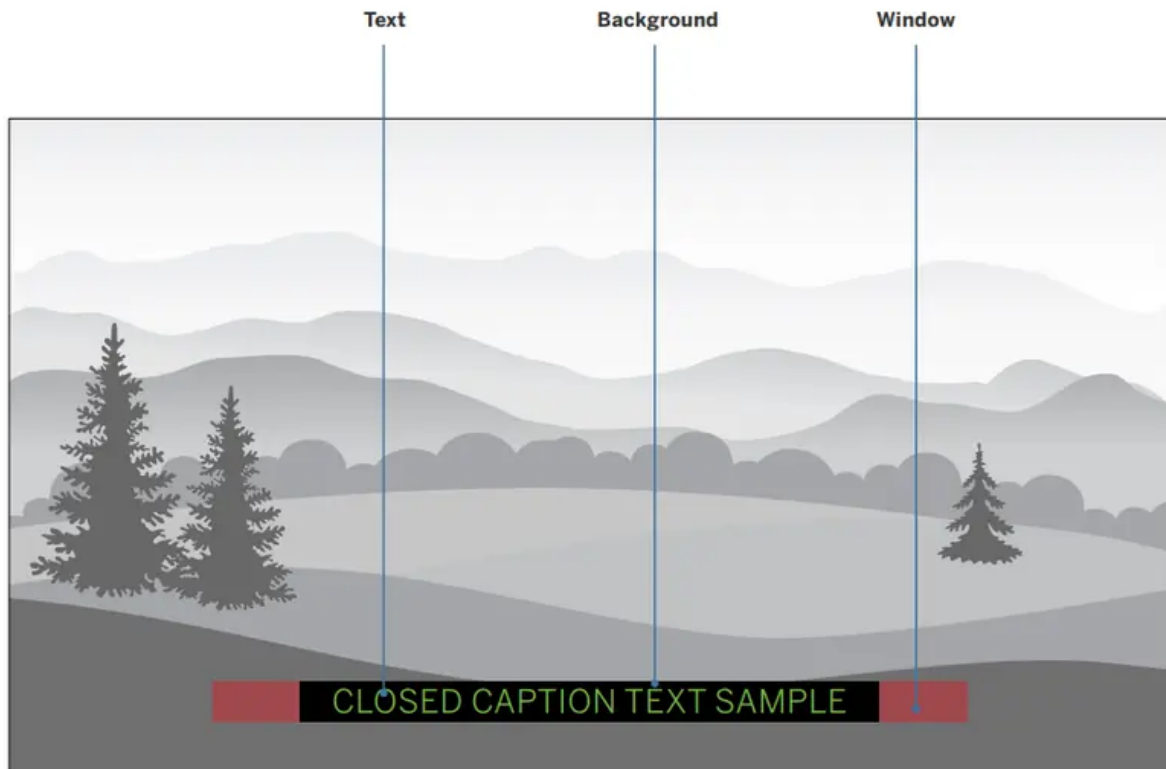
Digital Style	
Text Style	As Broadcast
Text Size	Large
Text Color	Blue
Text Opacity	As Broadcast
Text Edges	As Broadcast
Text Edges Color	As Broadcast
Background Color	As Broadcast
Background Opacity	As Broadcast
Window Color	As Broadcast
Window Opacity	As Broadcast

- 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.

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, the closed caption text is green, the background is black, and the window is red

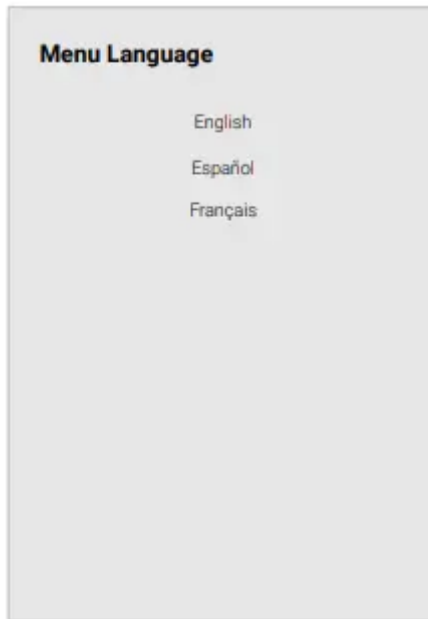
## CHANGING THE SYSTEM SETTINGS



Using the System menu, you can:

- Change the on-screen menu language
- Set the time zone and local settings
- Name the TV
- Name an input
- Hide inputs not in use
- Adjust the power mode settings
- Set the USB power mode
- Turn the power indicator on or off
- Set up timers
- Set a system PIN code
- Adjust CEC settings
- Manage paired devices
- Manage a voice remote control

### Changing the On-Screen Menu Language



- Your TV can display the on-screen menu in different languages.
- To change the on-screen menu language: Menu > System > Menu Language
- Highlight your preferred language (English, Español, or Français) and press OK

### **Setting the Time**

To ensure the correct time is displayed when you press the INFO button, set the TV's time zone:  
Menu > System > Time > Time Zone

To turn Daylight Saving Time on or off:

1. Highlight Daylight Saving Time and press OK. The Daylight Saving Time menu is displayed.
2. 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.

To change Time Format:

1. Highlight Time Format and use the Left/Right Navigation buttons to change between a 12-hour format or 24-hour format.

### **Changing the TV Name**

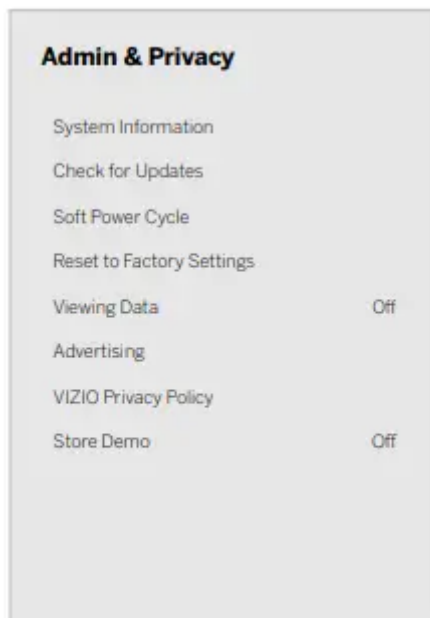
- Naming your TV helps differentiate it from other cast devices you may have in your home.
- To edit your TV name: Menu > System > TV Name > Enter a Name



## USING THE ADMIN & PRIVACY MENU

You can use the TV's Admin & Privacy menu to restore the TV to its factory default settings as well as access other administrative settings.

Using the ADMIN & PRIVACY menu, you can:



- View system information
- Check for system updates
- Force the system to power off and on
- Reset the TV to factory settings

- Enable or disable store demo
- Enable or disable viewing data
- Personalize advertising choices
- View the VIZIO Privacy Policy
- Start or stop the store demo mode

### **Viewing System Information**

- To view technical data and status information about your TV and network connection:  
Menu > Admin & Privacy > System Information

### **Checking for System Updates**

- To check for a system update: Menu > Admin & Privacy > Check for Updates
- If an update is found, the TV will ask to confirm the update. If no update is found, the screen will note The TV is up-to-date.

### **Performing a Soft Power Cycle**

- A soft power cycle forces the TV to turn off then on again. Menu > Admin & Privacy > Soft Power Cycle > OK

### **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: Menu > Admin & Privacy > Reset to Factory Settings
  1. If you set a system PIN code, enter it now.
  2. The TV displays, "Select Reset to restore all TV settings to factory defaults."
  3. Highlight Reset and press OK.
  4. Wait for the TV to turn off. The TV will turn back on shortly afterward and the setup process will begin.

### **Store Demo**

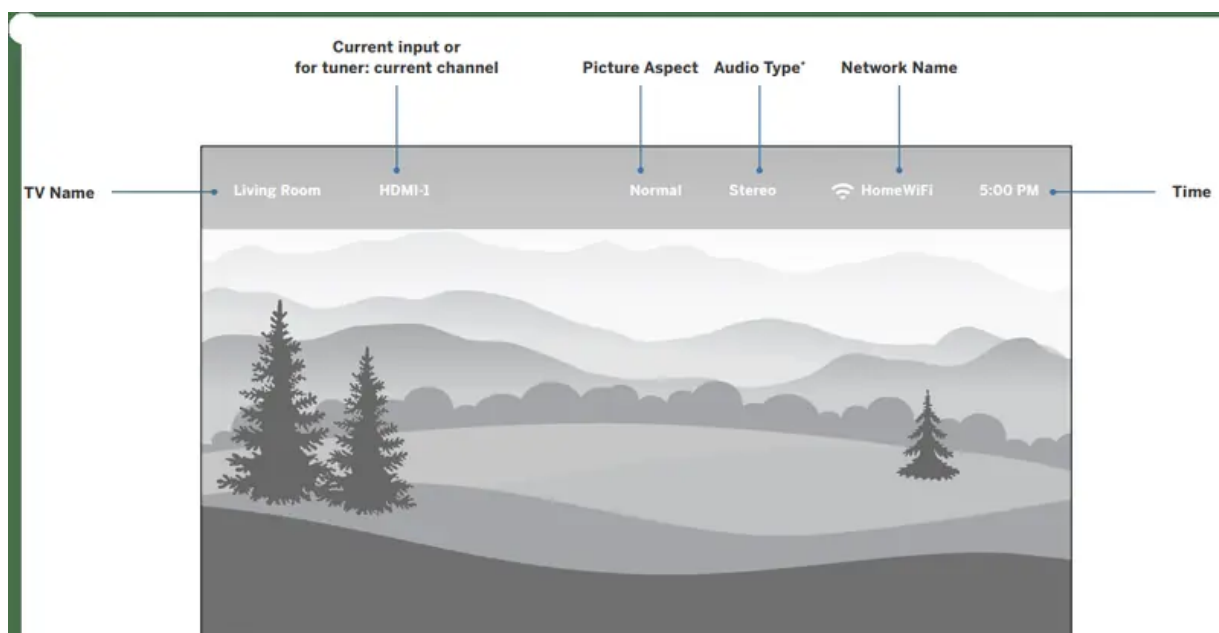
- To set to Off, Demo 1, or Demo 2: Menu > Admin & Privacy > Store Demo

## **USING THE INFO WINDOW**

Press the INFO button to display:

- TV name
- Current input or for tuner: current channel
- Picture aspect
- Audio type


- Network name
- Time



## SmartCast Home™

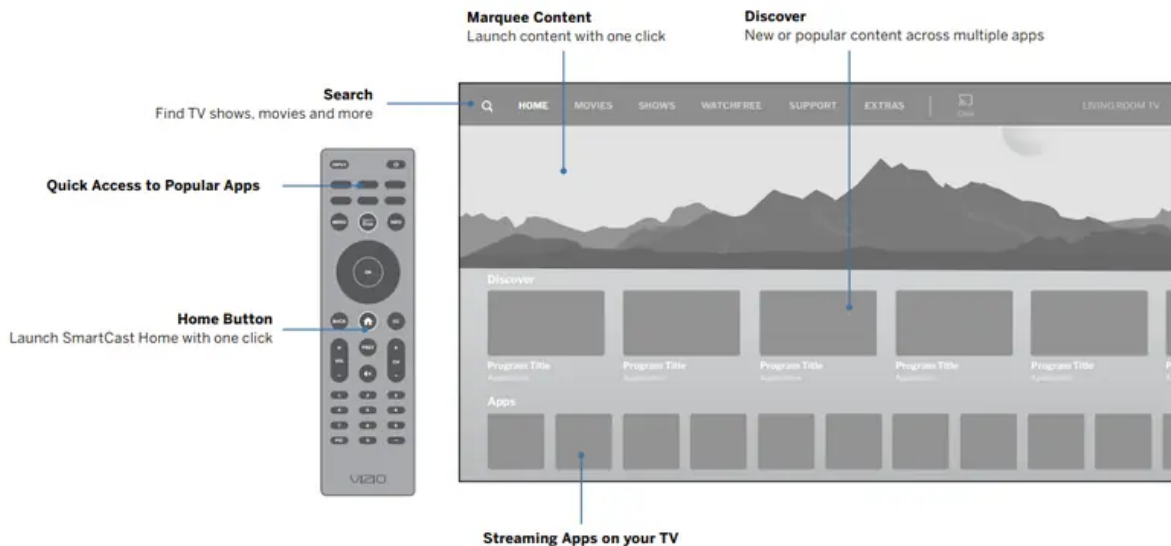
What is SmartCast Home? SmartCast Home lets you discover, stream, and control your content like never before! Access top apps, like Netflix, Hulu, and Amazon Prime Video, by using the remote to easily browse and launch content directly from the home screen. SmartCast Home makes finding something to watch easy and fun.

How to Launch SmartCast Home: Begin streaming with SmartCast Home by:

- Press the SmartCast Home button  on your remote. —or—
- Select SmartCast from the list of inputs.

What you can do with SmartCast Home

- Stream high quality entertainment.
- Launch top tier apps directly from the home screen.
- Unlock your photos and videos by mirroring your laptop or mobile device onto your TV.
- Rearrange apps on your home screen just the way you like it.
- Works with Google Assistant and other popular voice assistants




## WatchFree™

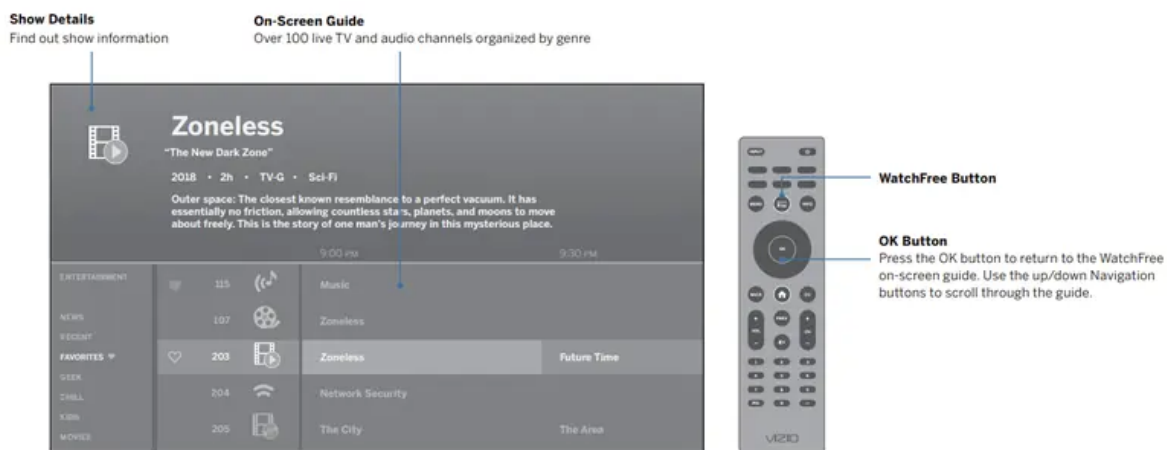
What is WatchFree? VIZIO WatchFree takes your cord-cutting entertainment experience one step further! With the simple press of a button, enjoy free streaming TV with over 100 live TV channels to choose from – news, movies, sports, comedy, music and more. A built-in on-screen guide makes finding something to watch easier than ever. And it's all FREE —no fees, no subscriptions, or logins

What you can do with WatchFree

- Stream over 100 live TV channels absolutely free – news, movies, sports, comedy, music and more.
- Navigate through channels, organized by genre, with an intuitive on-screen guide.
- Watch 1000's of free movies from major studios.
- Watch the best of internet TV.
- No logins, subscriptions or transactions fees.

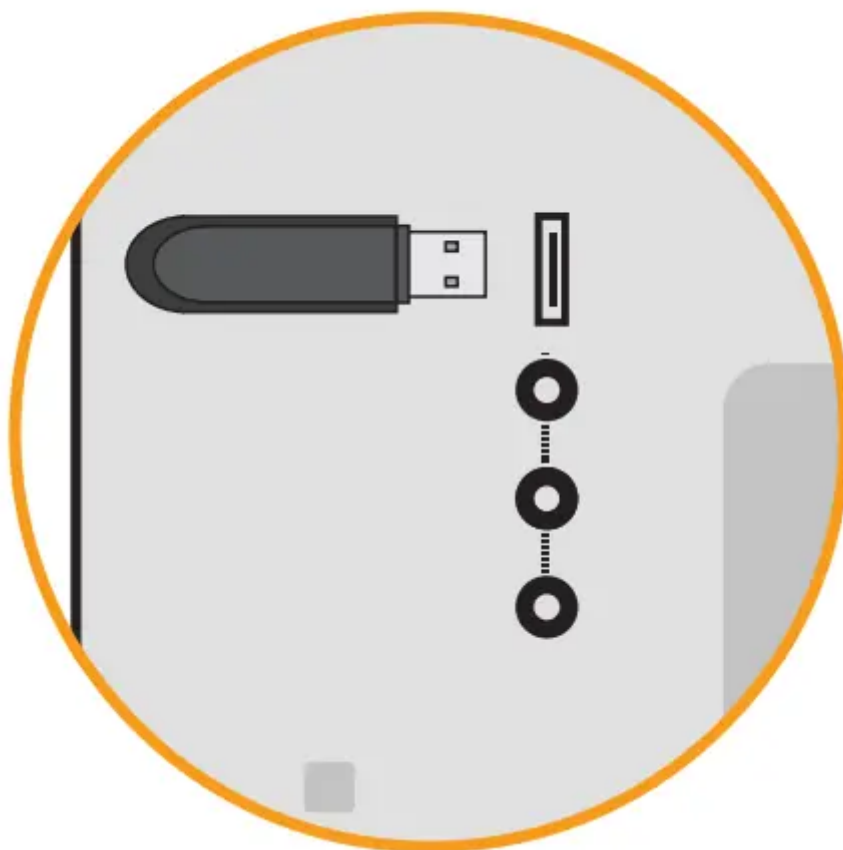
How to Launch WatchFree: To launch and begin watching entertainment offered on WatchFree:

- Press the WatchFree button  on your remote. —or—
- Select WatchFree from the list of inputs.



## Playing USB Media

The USB Media Player allows you to connect a USB flash drive to your TV and play music, video, or photos.



**Preparing Your USB Drive to Play USB Media:** To display USB media, you must first save your videos onto a USB flash drive:

- The USB flash drive must be formatted as FAT32.
- Files on the USB flash drive must end in a supported file extension ( .mp3, .jpg, etc).

- The player is not designed to play media from external hard drives, MP3 players, cameras, or smartphones.

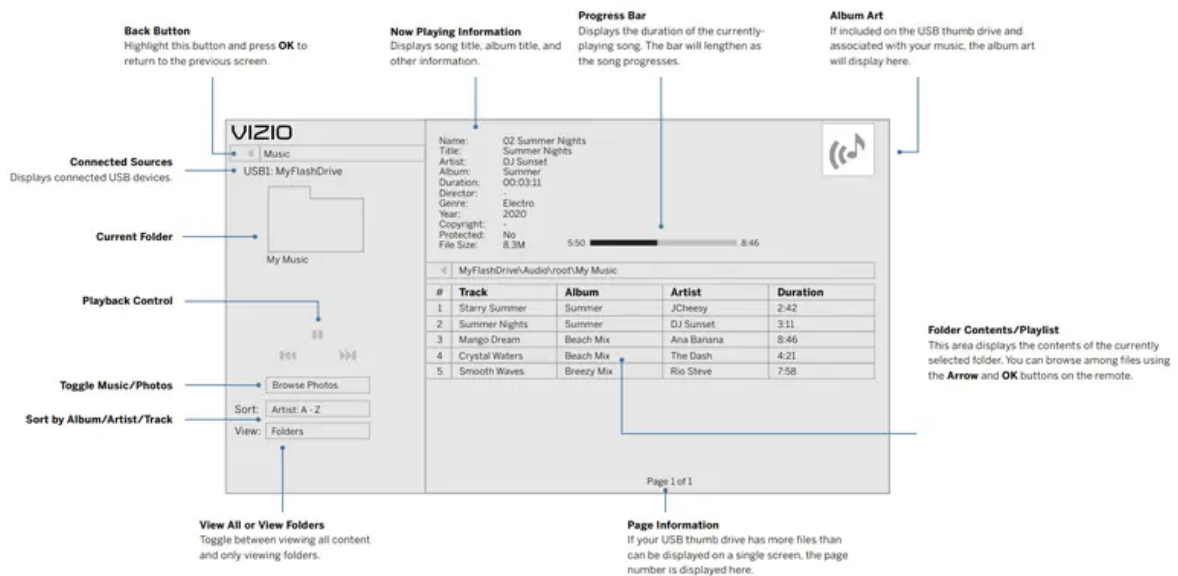
Displaying USB Media: To display your USB media:

1. Connect your USB flash drive to the USB port on the side of the TV.
2. The TV will recognize the USB. Use the Navigation Keys on the remote to select the content you want to play. —or—
3. Select USB from the bottom streaming icons on the SmartCast HomeSM page

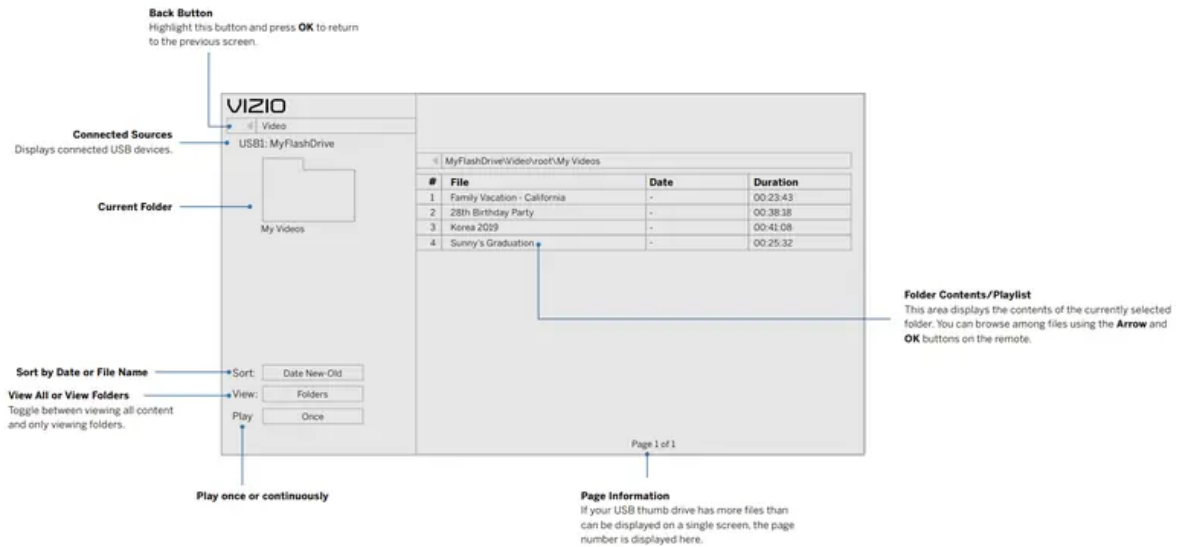
Removing the USB Drive from the TV: To safely remove your USB flash drive from the TV:

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

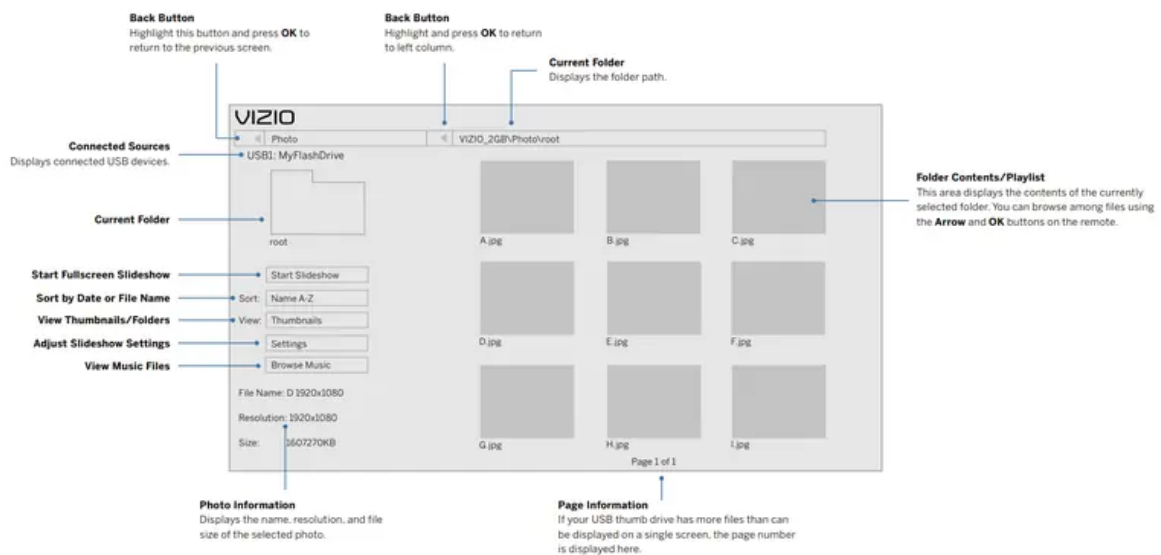
## Playing USB Media: Music



## Playing USB Media: Video



## Playing USB Media: Photo



## Troubleshooting

### Help Topics

#### 1. The remote is not responding .

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

#### 2. 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 TV Channels.

3. 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.

4. 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. The sound is flat or dialog is not audible .
- Turn off Volume Leveling. See Adjusting the Audio Setting

5. Where do I find information on the accessibility features of this product and other VIZIO products?

- Please visit [vizio.com/accessibility](http://vizio.com/accessibility),
- Email us at: [Accessibility@vizio.com](mailto:Accessibility@vizio.com), or
- Give us a call at 1-877-698-4746.

6. How do I stream apps like Netflix to my VIZIO SmartCast® TV?

- Popular apps are located on the SmartCast Home™ screen, so you can simply navigate to the app row on your SmartCast TV to start streaming.
- You can also use Apple AirPlay 2 or Chromecast built-in™ to stream content from your device directly to your SmartCast TV. For more information, please visit: – [VIZIO.com/Apple](http://VIZIO.com/Apple) – [VIZIO.com/Google](http://VIZIO.com/Google)

7. 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. VIZIO recommends selecting Calibrated.
- Check all cables to ensure they are securely attached.

8. 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.

9. The picture is distorted .

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

10. The TV image does not cover the entire screen .

- If you are using TV, AV, or Component with 480i input, go to Menu > Picture > Picture Aspect.

11. 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.

12. 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.

13. 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.
- Set eARC to Off and use ARC mode.

14. 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 upconverting 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.

15. When I change input source, the TV 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 Picture Aspect Ratio

16. How do I download the VIZIO SmartCast Mobile™ App?

- Make sure your phone or tab
- let is connected to a Wi-Fi network. Open a browser on your phone or tablet. Navigate to [vizio.com/smartcastapp](http://vizio.com/smartcastapp) and follow the on-screen instructions to download the VIZIO SmartCast Mobile app.

17. 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 basic remote to cycle through the Inputs.
- Make sure the VIZIO SmartCast Mobile™ app is installed on your phone or tablet. Open the VIZIO SmartCast Mobile app. Tap on the Device list and select your TV. Tap on the Input key and select the Input of your choice.

18. How do I connect to my Wi-Fi network?

- On your TV remote, press the MENU button then go to Network > Select your Wi-Fi name > Enter password.
- Open the VIZIO SmartCast Mobile app on your phone or tablet. Tap on the Menu Tab > SmartCast Devices > Your TV/Device Name > Network
- 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.

19. How do I exit Demo Mode?

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

20. 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, use a coaxial cable to connect.

21. Some of my Channels are missing .

- Press the MENU button on your TV remote and select the channels option. Then select Find Channels.
- Open the VIZIO SmartCast Mobile app on your phone or tablet.

- Click on: Menu Tab > SmartCast Devices > Your TV/Device Name > Channels > Find Channels.

## 22. How do I disable/enable Viewing Data?

- Press the MENU button on your remote and select ADMIN & PRIVACY. Then select Viewing Data to turn the feature on or off.

## 23. The television will not turn on using Alexa or Google Assistant .

- Ensure the television is in Quick Start Mode.
- Tap on Menu > System > Power Mode > Quick Start.

## 24. How do I know I am getting 4K resolution or HDR content such as Dolby Vision?

- As you are watching content on the television, press the INFO button on the remote or VIZIO SmartCast Mobile app. You will see the current resolution being displayed along with the version of video.
- HDR will show as a Dolby Vision icon, HDR10 or HLG.

## Specifications

	V406-H9	V408-H9	V506-H9	V508-H9	V606-H3	V688-H4
<b>Size</b>	40"	40"	50"	50"	60"	65"
<b>Viewable Area</b>	39.5"	39.5"	49.5"	49.5"	59.5"	64.5"
<b>PRODUCT DIMENSIONS</b>						
<b>Dimensions w/ Stand</b>	35.51" x 22.70" x 8.36" (902.0 x 576.5 x 212.4 mm)	35.51" x 22.70" x 8.36" (902.0 x 576.5 x 212.4 mm)	44.13" x 28.00" x 10.07" (1120.8 x 711.1 x 255.7 mm)	44.13" x 28.00" x 10.07" (1120.8 x 711.1 x 255.7 mm)	53.5" x 33.5" x 10.5" (1360.1 x 850.7 x 267.3 mm)	57.7" x 36.1" x 11.0" (1464.6 x 915.9 x 279.2 mm)
<b>Dimensions w/o Stand</b>	35.51" x 20.51" x 2.55" (902.0 x 521.0 x 64.8 mm)	35.51" x 20.51" x 2.55" (902.0 x 521.0 x 64.8 mm)	44.13" x 25.59" x 2.42" (1120.8 x 650.1 x 61.5 mm)	44.13" x 25.59" x 2.42" (1120.8 x 650.1 x 61.5 mm)	53.5" x 31.0" x 2.9" (1360.1 x 787.7 x 73.0 mm)	57.7" x 33.5" x 3.1" (1464.6 x 849.9 x 78 mm)
<b>Weight w/ Stand</b>	15.28 lb (6.93 kg)	15.28 lb (6.93 kg)	22.05 lb (10.00 kg)	22.05 lb (10.00 kg)	38.5 lb (17.4 kg)	43.6 lb (19.7 kg)
<b>Weight w/o Stand</b>	14.97 lb (6.79 kg)	14.97 lb (6.79 kg)	21.54 lb (9.77 kg)	21.54 lb (9.77 kg)	37.5 lb (17.0 kg)	42.6 lb (19.3 kg)
<b>Mounting Screw Size</b>	M6	M6	M6	M6	M6	M6
<b>Hole Pattern</b>	200 mm x 200 mm	200 mm x 200 mm	200 mm x 200 mm	200 mm x 200 mm	400 mm x 200 mm	400 mm x 200 mm
<b>PICTURE QUALITY</b>						
<b>Maximum Resolution</b>	3840 x 2160 (UHD)	3840 x 2160 (UHD)	3840 x 2160 (UHD)	3840 x 2160 (UHD)	3840 x 2160 (UHD)	3840 x 2160 (UHD)
<b>LCD Backlight</b>	Full Array LED	Full Array LED	Full Array LED	Full Array LED	Full Array LED	Full Array LED
<b>Dynamic Motion Rate</b>	120	120	120	120	120	120
<b>INPUTS / OUTPUTS</b>						
<b>HDMI Inputs</b>	3	3	3	3	3	3
<b>Composite Video Inputs</b>	1	1	1	1	1	1
<b>Ethernet Input</b>	1	1	1	1	1	1
<b>RF Antenna Input</b>	1	1	1	1	1	1
<b>USB</b>	1	1	1	1	1	1
<b>Audio Output</b>	HDMI eARC, Analog Stereo Out, Digital Optical	HDMI eARC, Analog Stereo Out, Digital Optical	HDMI eARC, Analog Stereo Out, Digital Optical	HDMI eARC, Analog Stereo Out, Digital Optical	HDMI eARC, Analog Stereo Out, Digital Optical	HDMI eARC, Analog Stereo Out, Digital Optical
<b>OTHER</b>						
<b>Remote Control Model</b>	IR Remote	IR Remote	IR Remote	IR Remote	IR Remote	IR Remote
<b>Power Consumption</b>	85 W	85 W	90 W	90 W	120 W	145 W
<b>Standby Power</b>	<0.5W	<0.5W	<0.5W	<0.5W	<0.5W	<0.5W
<b>Voltage</b>	120V	120V	120V	120V	120V	120V
<b>OSD Language</b>	English, French, Spanish	English, French, Spanish	English, French, Spanish	English, French, Spanish	English, French, Spanish	English, French, Spanish
<b>Certification</b>	UL cUL, FCC Class B, BETS-7/ ICES-003 Class B, IC, HDMI (CEC, ARC) Dolby Audio, Dolby Vision	UL cUL, FCC Class B, BETS-7/ ICES-003 Class B, IC, HDMI (CEC, ARC) Dolby Audio, Dolby Vision	UL cUL, FCC Class B, BETS-7/ ICES-003 Class B, IC, HDMI (CEC, ARC) Dolby Audio, Dolby Vision	UL cUL, FCC Class B, BETS-7/ ICES-003 Class B, IC, HDMI (CEC, ARC) Dolby Audio, Dolby Vision	UL cUL, FCC Class B, BETS-7/ ICES-003 Class B, IC, HDMI (CEC, ARC) Dolby Audio, Dolby Vision	UL cUL, FCC Class B, BETS-7/ ICES-003 Class B, IC, HDMI (CEC, ARC) Dolby Audio, Dolby Vision

	V655-H9	V655-H19	V705-H3	V705-H13
<b>Size</b>	65"	65"	70"	70"
<b>Viewable Area</b>	64.5"	64.5"	69.5"	69.5"
<b>PRODUCT DIMENSIONS</b>				
<b>Dimensions w/ Stand</b>	57.37" x 35.61" x 11.95" (1457.2 x 904.6 x 303.5 mm)	57.37" x 35.61" x 11.95" (1457.2 x 904.6 x 303.5 mm)	61.8" x 38.4" x 12.9" (1569.2 x 976.4 x 329.3 mm)	61.8" x 38.4" x 12.9" (1569.2 x 976.4 x 329.3 mm)
<b>Dimensions w/o Stand</b>	57.37" x 33.10" x 2.41" (1457.2 x 840.7 x 61.1 mm)	57.37" x 33.10" x 2.41" (1457.2 x 840.7 x 61.1 mm)	61.8" x 35.7" x 2.7" (1569.2 x 907.6 x 68.5 mm)	61.8" x 35.7" x 2.7" (1569.2 x 907.6 x 68.5 mm)
<b>Weight w/ Stand</b>	45.86 lb (20.80 kg)	45.86 lb (20.80 kg)	53.79 lb (24.4 kg)	53.79 lb (24.4 kg)
<b>Weight w/o Stand</b>	44.97 lb (20.40 kg)	44.97 lb (20.40 kg)	52.69 lb (23.9 kg)	52.69 lb (23.9 kg)
<b>Mounting Screw Size</b>	M6	M6	M6	M6
<b>Hole Pattern</b>	400 mm x 200 mm	400 mm x 200 mm	400 mm x 200 mm	400 mm x 200 mm
<b>PICTURE QUALITY</b>				
<b>Maximum Resolution</b>	3840 x 2160 (UHD)	3840 x 2160 (UHD)	3840 x 2160 (UHD)	3840 x 2160 (UHD)
<b>LCD Backlight</b>	Full Array LED	Full Array LED	Full Array LED	Full Array LED
<b>Dynamic Motion Rate</b>	120	120	120	120
<b>INPUTS / OUTPUTS</b>				
<b>HDMI Inputs</b>	3	3	3	3
<b>Composite Video Inputs</b>	1	1	1	1
<b>Ethernet Input</b>	1	1	1	1
<b>RF Antenna Input</b>	1	1	1	1
<b>USB</b>	1	1	1	1
<b>Audio Output</b>	HDMI eARC, Analog Stereo Out, Digital Optical	HDMI eARC, Analog Stereo Out, Digital Optical	HDMI eARC, Analog Stereo Out, Digital Optical	HDMI eARC, Analog Stereo Out, Digital Optical
<b>OTHER</b>				
<b>Remote Control Model</b>	IR Remote	IR Remote	IR Remote	IR Remote
<b>Power Consumption</b>	140 W	140 W	135 W	135 W
<b>Standby Power</b>	<0.5W	<0.5W	<0.5W	<0.5W
<b>Voltage</b>	120V	120V	120V	120V
<b>OSD Language</b>	English, French, Spanish	English, French, Spanish	English, French, Spanish	English, French, Spanish
<b>Certification</b>	UL, cUL, FCC Class B, BETS-7/ ICES-003 Class B, IC, HDMI (CEC, ARC) Dolby Audio, Dolby Vision	UL, cUL, FCC Class B, BETS-7/ ICES-003 Class B, IC, HDMI (CEC, ARC) Dolby Audio, Dolby Vision	UL, cUL, FCC Class B, BETS-7/ ICES-003 Class B, IC, HDMI (CEC, ARC) Dolby Audio, Dolby Vision	UL, cUL, FCC Class B, BETS-7/ ICES-003 Class B, IC, HDMI (CEC, ARC) Dolby Audio, Dolby Vision

## 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.