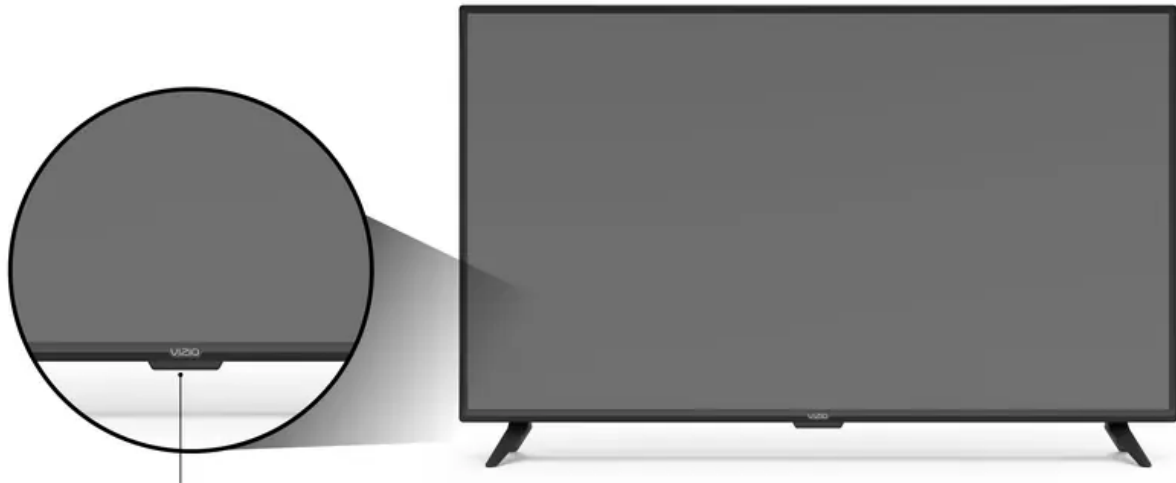


## Getting to Know Your TV

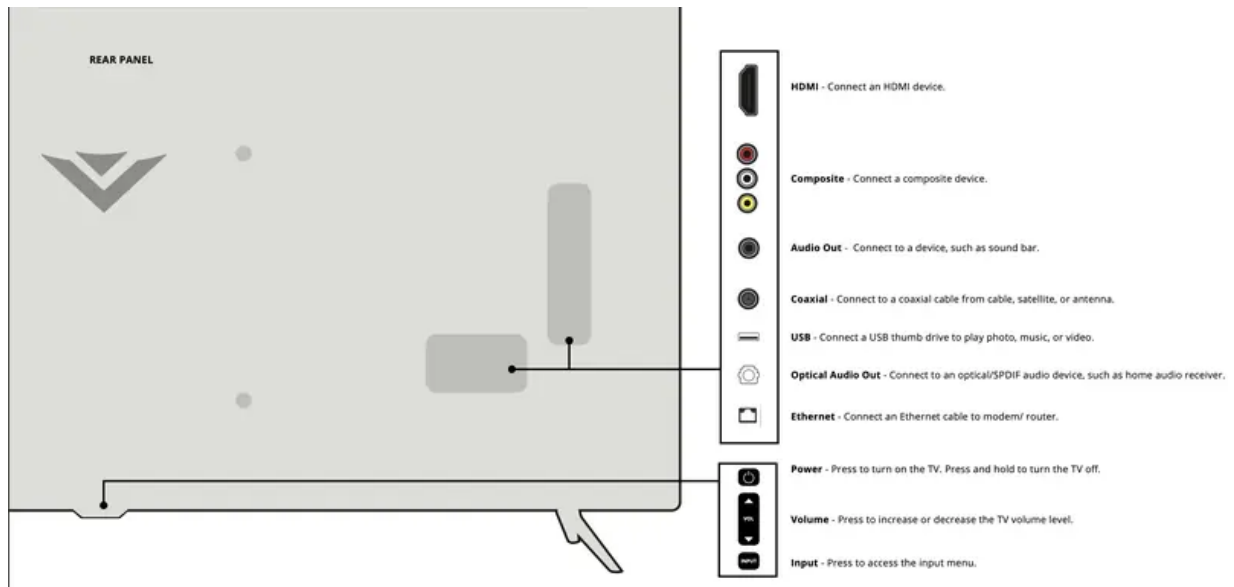
### FRONT PANEL



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 as long as the TV is on, see Turning the Power Indicator On or Off.

### REAR PANEL



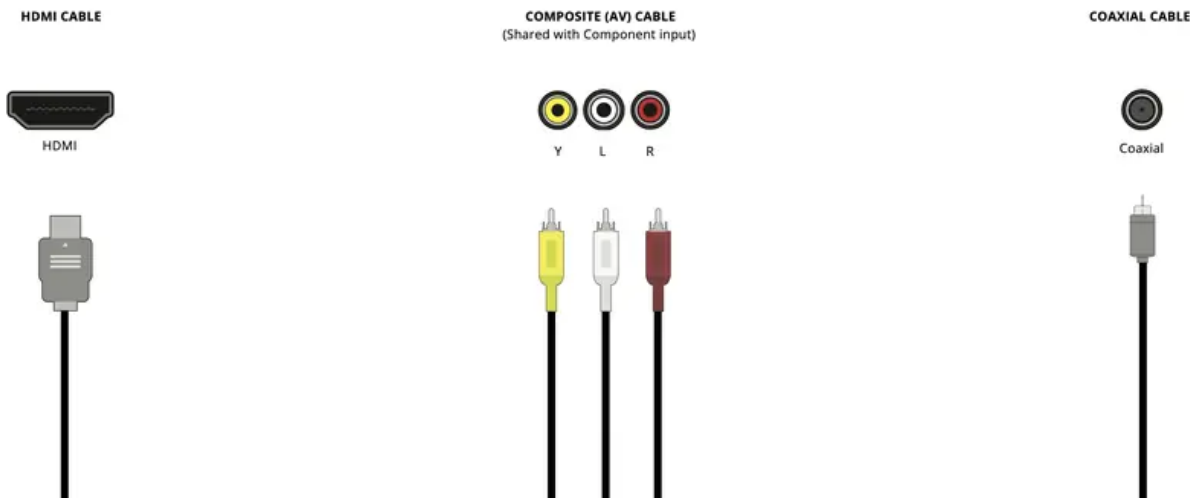
**Note:** The image shown here is for illustrative purposes only and may be subject to change. The actual number of ports and their locations may vary, depending on the model.

# Connecting Your Devices

## CONNECTING A DEVICE - AUDIO & VIDEO CABLE TYPES

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, Component, etc.).
2. Connect the appropriate cable (not included) to the TV and the device.
3. Turn the TV and your device on. Set the TV's input to match the connection you used (HDMI-1, HDMI-2, etc.).



**Note:** The actual ports and their locations may vary, depending on the TV model.

## 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 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.

**HDMI CABLE**



HDMI



**Audio Out**



**OPTICAL/SPDIF CABLE**



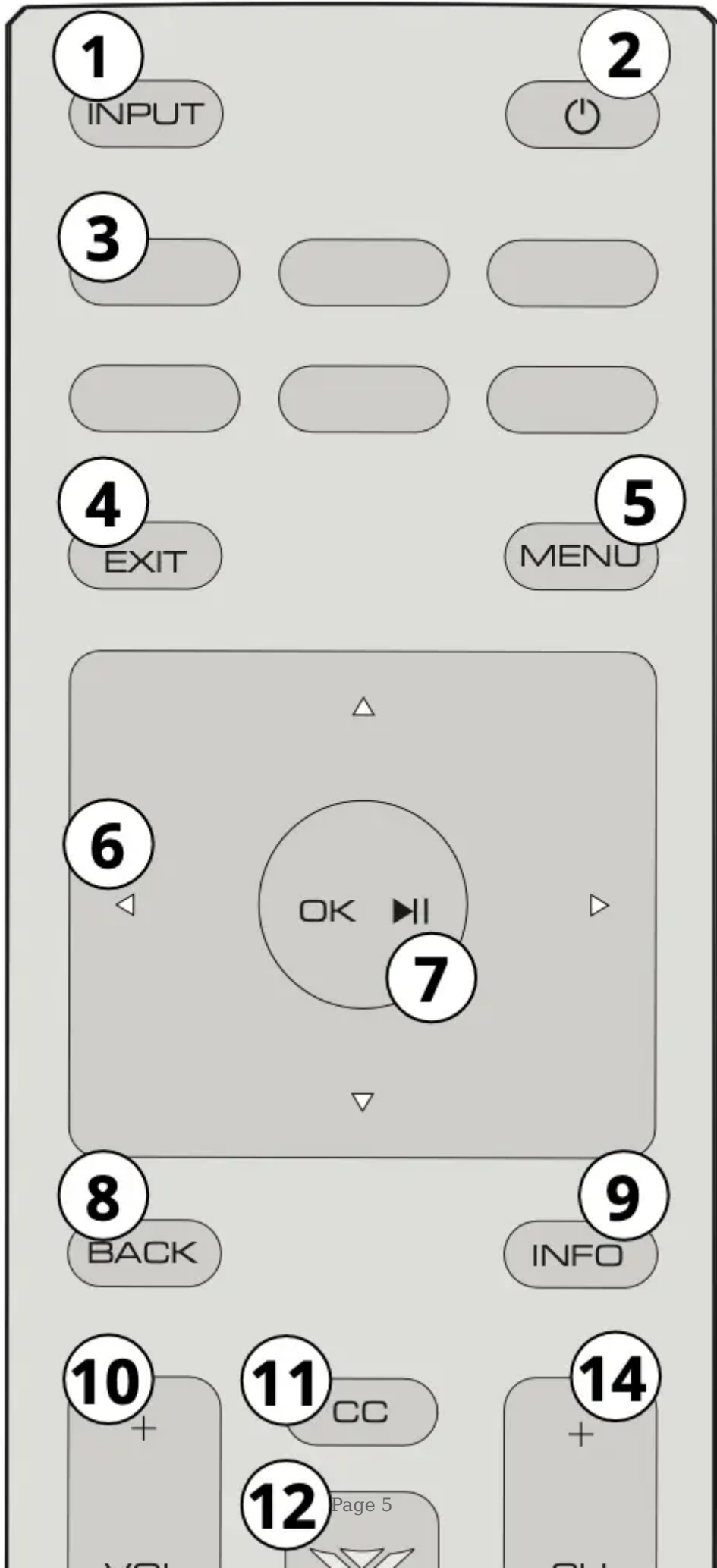
Optical



**Note:** The actual ports and their locations may vary, depending on the TV model.



## 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 channel last viewed
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. (For example, 18-4 or 18-5)

## 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:

## TV Settings



Picture



Audio



Network



Timers



Channels



Closed Captions



Input Settings



System



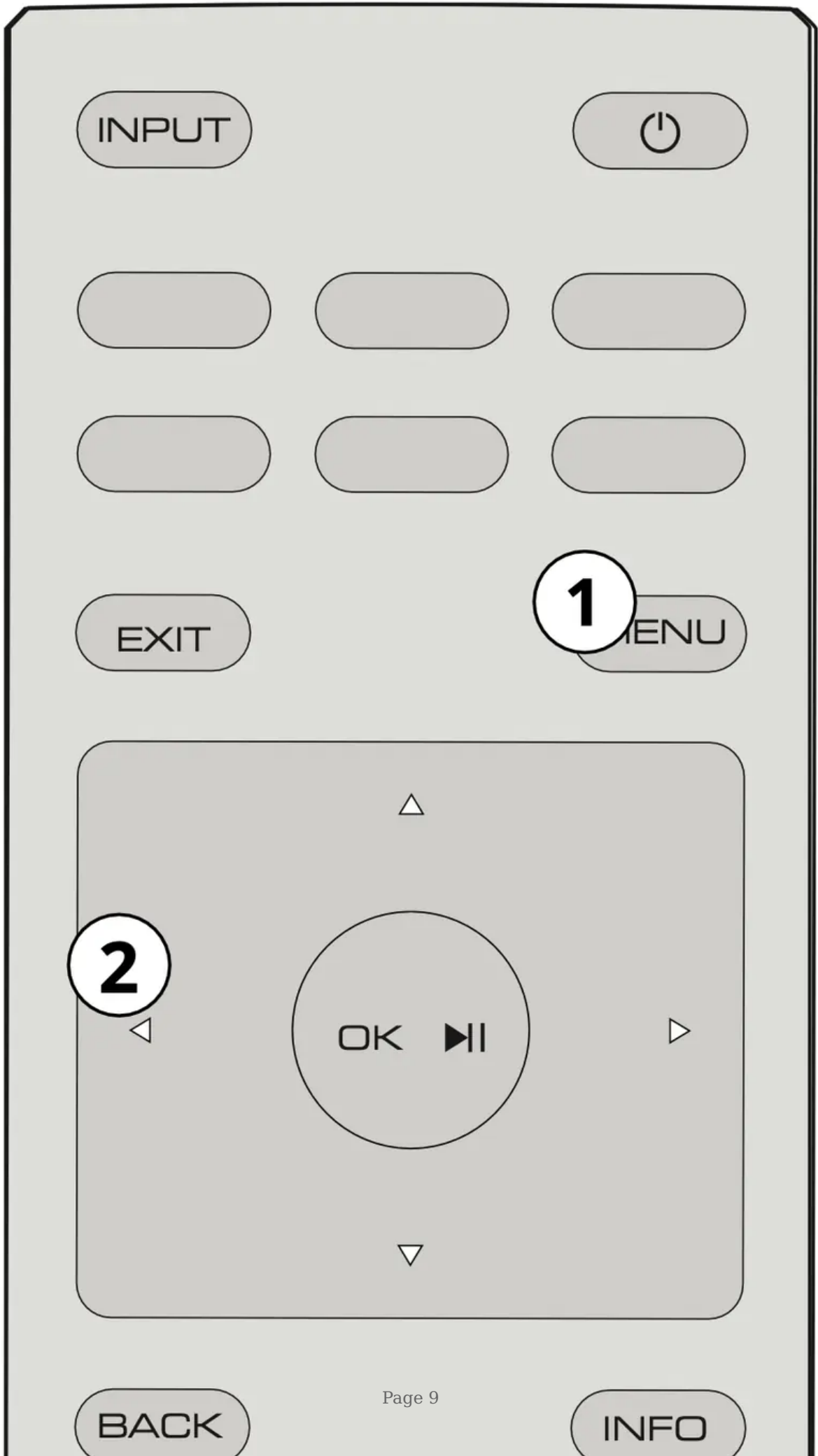
User Manual

- Adjust the Picture settings
- Adjust the Audio 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:

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

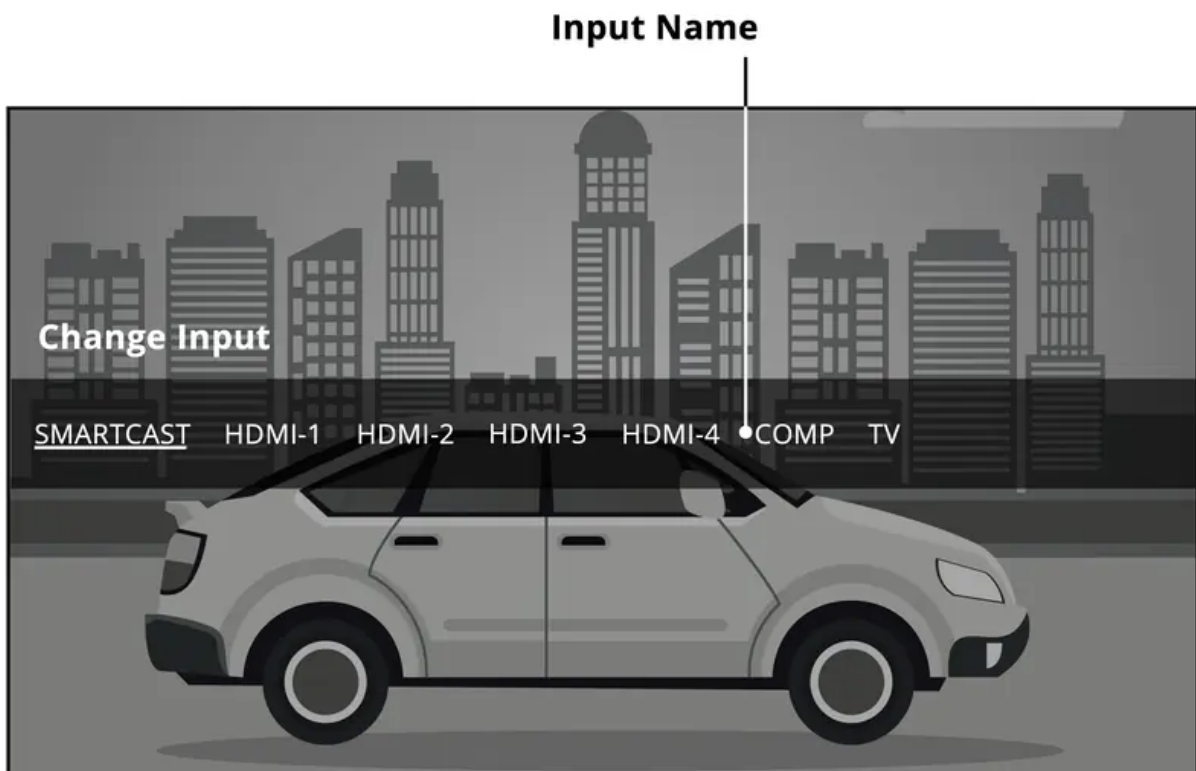


While navigating the on-screen menu, you can press the Back button at any time to return to the previous menu screen. The Exit button will close the on-screen menu.

## 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.



You can change the input names that appear on the Input menu to make your devices easy to recognize. See Renaming Devices on the Input Menu for more information.

## 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.

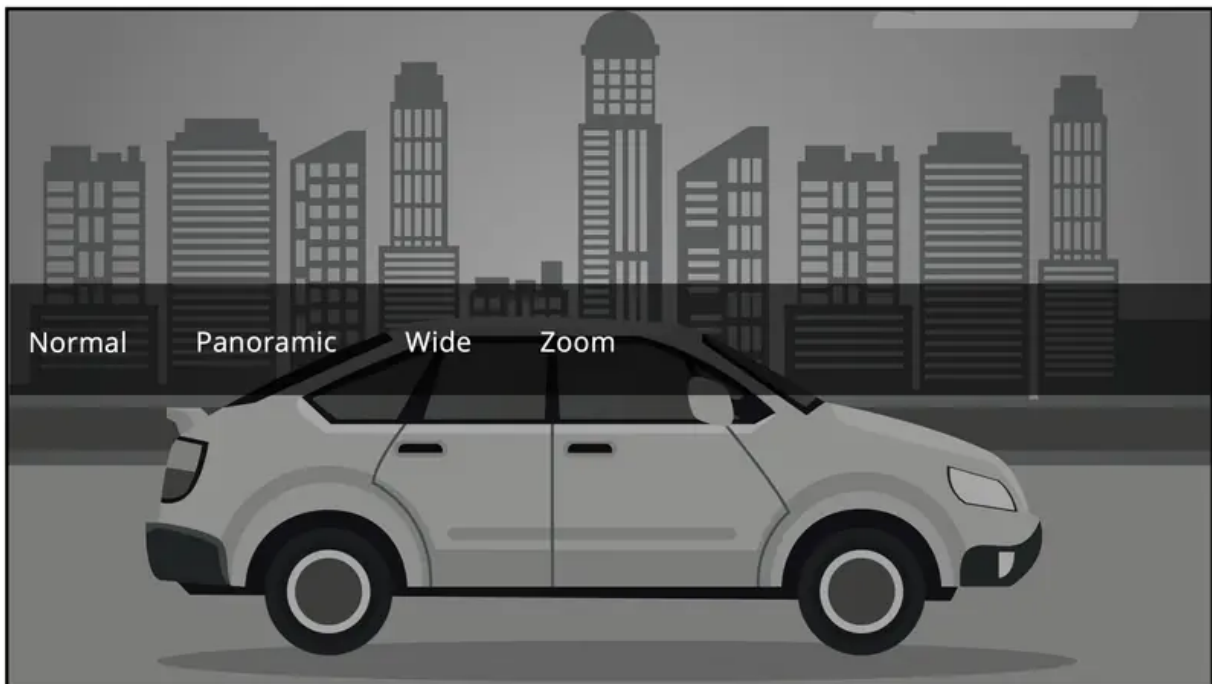
To change the screen aspect ratio:

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.

**Tip:** The aspect ratio cannot be changed for Ultra HD content or HDR content.



**Note:** Aspect ratio settings may vary by Input source.

## ADJUSTING THE PICTURE SETTINGS

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

**Tip:** If you save changes to the settings for a picture mode, an asterisk appears after its name (see Saving a Custom Picture Mode).

To adjust the picture settings:

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

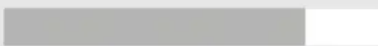
2. Use the Arrow buttons on the remote to highlight Picture and press OK. The Picture menu is displayed.
3. Use the Arrow buttons on the remote to highlight Picture Mode, then use the Left/Right Arrow buttons to change the picture mode:
  - Standard** mode sets the picture settings to the default settings.
  - 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.
- Tip:** If Standard picture mode meets Energy Star® requirements. For the best picture switch to Calibrated mode. Note that Calibrated mode does not meet Energy Star® requirements. Customizing picture setting will change the energy consumption required to operate the TV.
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:


# Picture


← Back


Picture Mode                      Calibrated


Auto Brightness Control              Off

Backlight                       90

Brightness                       50

Contrast                       50

Color                       50

Tint                       0

Sharpness                       20

More Picture

Picture Mode Edit

Color Calibration



**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.

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

### **Adjusting More Picture Settings**

To adjust more picture settings:

## More Picture

← Back

Color Temperature

Normal

Black Detail

Off

Backlight Control

Low

Reduce Noise

Game Low Latency

Off

Film Mode

On

Gamma

2.2

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** - Dynamically improves the contrast ratio of the picture by adjusting the backlight. Select On, or Off.
  - Reduce Noise**
    - 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.
  - Film 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:

# Color Temperature

[← Back](#)

Normal

Cool

Computer

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:

## Picture Mode Edit

← Back

Save Picture Mode

Lock Picture Mode

Reset Picture Mode - Vivid

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:

# Save Picture Mode

← Back

\_\_\_\_\_ 

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
.@#	↑	äêí	Space					

Save

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:



## Lock Picture Mode

← Back

Enter the System PIN to lock all custom picture modes.

System Pin Code

Cancel

Save

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:

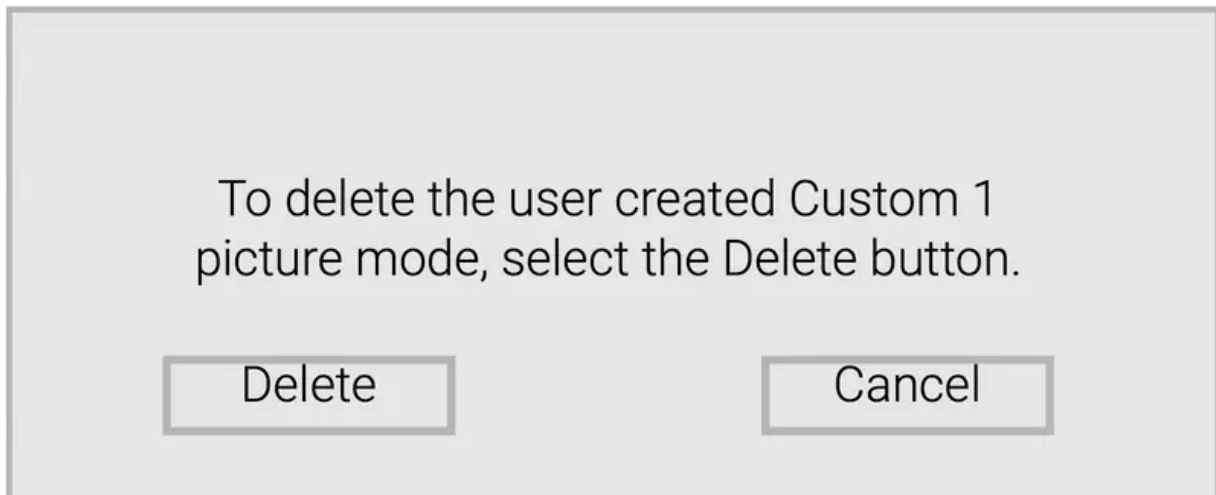
1. From the PICTURE MODE EDIT menu, use the Arrow buttons to highlight Lock Picture Mode, and then press OK. The LOCK PICTURE MODE menu is displayed.
2. Use the Arrow buttons to select Off.
3. Use the Number Pad on your remote to enter your 4-digit PIN.
4. Make any desired changes to the picture modes.
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.

**Tip:** Inputs assigned to a deleted custom picture mode become assigned to the Calibrated picture mode.

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.

**Warning:** The Color Tuner, 11 Point White Balance, and test patterns allow technicians to manually calibrate the TV. Calibration requires specialized training, an input with precisely set colors, and a specialized light meter.

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 have 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 have 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.

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

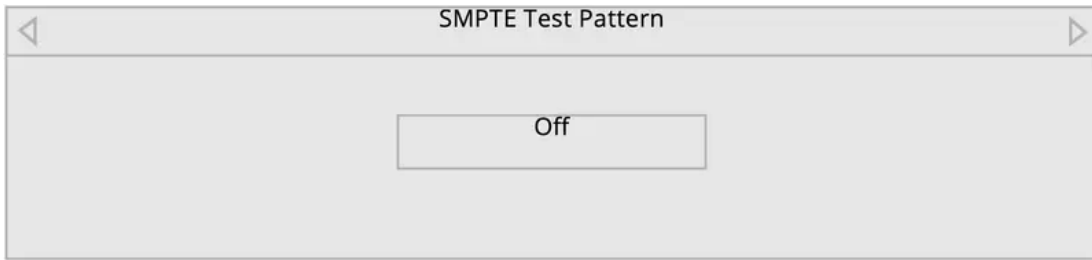
2. Use the Arrow buttons on the remote to highlight the Gain and Color values you wish to adjust. Press the OK button and use the Left/Right Arrow buttons to adjust the value. When you are finished, press the OK button to save the setting.
3. When you have finished, press the Exit button.

To show or hide the SMPTE Test Pattern:

1. From the Color Tuner menu, use the Arrow buttons to highlight Calibration Tests, 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.

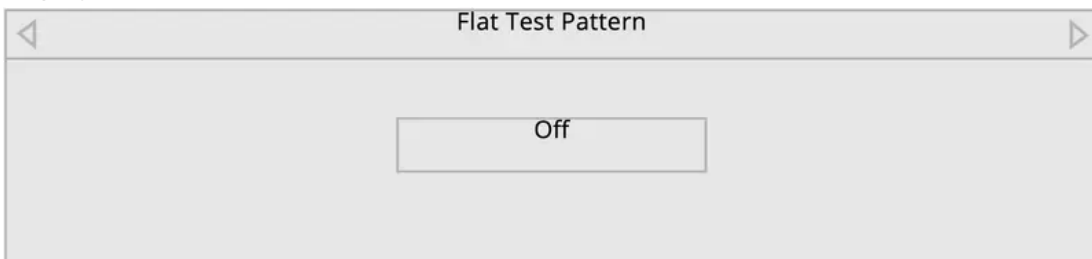
—or—

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 Calibration Tests, 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.

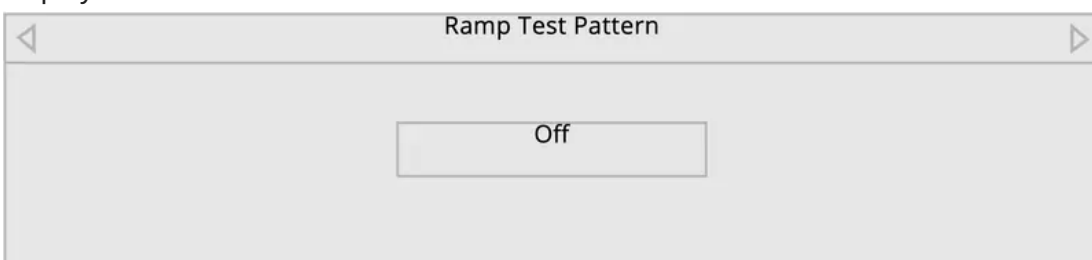
—or—

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 Calibration Tests, 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.

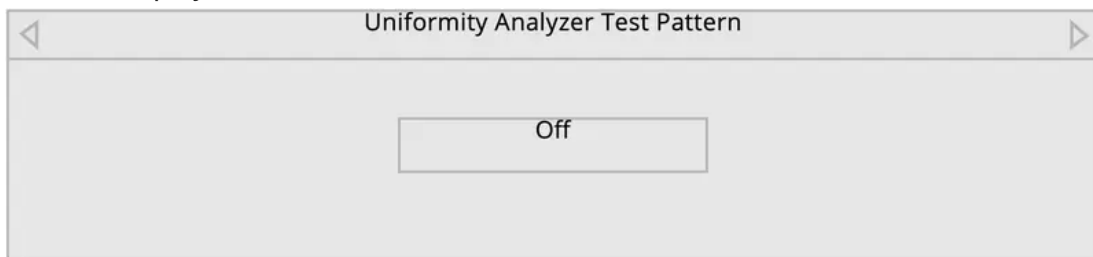
—or—

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 Calibration Test, 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:

# Audio


← Back

Speakers Auto

Volume Control Display On

Surround Sound On

Volume Leveling On

Balance  0

Lip Sync  0

Digital Audio Out Auto

Analog Audio out 0 Out  
Fixed



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.

**Tip:** When the TV speakers are set to On, DTS signals cannot be passed through digital audio outputs.

**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.

**Warning:** You must select Bitstream for audio with more than two channels (3.0, 5.0, or 5.1, for example).

**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-N.

**Tip:** If your TV is connected to a network with an Ethernet cable, you will not see the wireless network connection menu. You must unplug the Ethernet cable to set a wireless network connection

## Connecting to a Wireless Network

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

# Network

← Back

Wired Connection

Disconnected

Wireless Access Points

Manual Setup

Hidden Networks

Test 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 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 Manual Setup feature.

To change advanced network settings:

# Manual Setup

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DHCP Off

IP Adress \_\_\_\_ . \_\_\_\_ . \_\_\_\_ . \_\_\_\_

Subnet Mask \_\_\_\_ . \_\_\_\_ . \_\_\_\_ . \_\_\_\_

Defult Gateway \_\_\_\_ . \_\_\_\_ . \_\_\_\_ . \_\_\_\_

Pref. DNS Server \_\_\_\_ . \_\_\_\_ . \_\_\_\_ . \_\_\_\_

Alt DNS Server \_\_\_\_ . \_\_\_\_ . \_\_\_\_ . \_\_\_\_

RJ45 Mac 0:0:0:0:0:0

Wireless Mac 0:0:0:0:0:0

Save

Cancel



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:

← Back

## Enter Access Point Name

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

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
.@#	↑	äêí	Space			←	×	

Connect

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.

# Timers

← Back

Sleep Timer

Off

Auto Power Off

10 Minutes

Blank Screen

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 10 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.

### **Using the Blank Screen Feature**

To help save LED life, your TV screen can turn on or off while audio is streaming. To use the Blank Screen feature:

1. From the TIMERS menu, use the Up/Down Arrow buttons on the remote to highlight Blank Screen.
2. Press the OK button to immediately blank the screen.
3. To exit Blank Screen, press any key.

## **SETTING UP CHANNELS**

You can use the TV's Channels menu to:

## Channels

← Back

Find Channels

Skip Channels

Analog Audio

Stereo

Digital Audio

English

Parental Control

- Find Channels
- Select channels to skip
- Select Analog Audio mode
- Select the language for 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 outof-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:

## Find Channels

← Back

Channels Found

Digital : 8

Analog: 12

45% Complete



Cancel

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 canceled, 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.

**Warning:** Channels that have been removed with the Skip Channel feature can still be viewed if the channel is entered using the Number Pad. If you wish to completely block a channel from being viewed, use the parental controls. See Locking and Unlocking Channels.

To remove a channel:

## Skip Channels

← Back

0 Test 0

1 Test 1

2 Test 2

3 Test 3

4 Test 4

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).

**Warning:** Not all programs are broadcast in SAP. The Analog Audio Language feature only works when the program being viewed is being broadcast with Secondary Audio Programming.

To use the Analog Audio feature:

# Analog Audio

← Back

Stereo

SAP

Mono

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:



## **Digital Audio**

← Back

English

Spanish/ Video Description

French

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.

## USING PARENTAL CONTROLS

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

**Tip:** Other devices have their own parental control settings.

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.

**Tip:** To set a custom PIN passcode, see Setting a 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

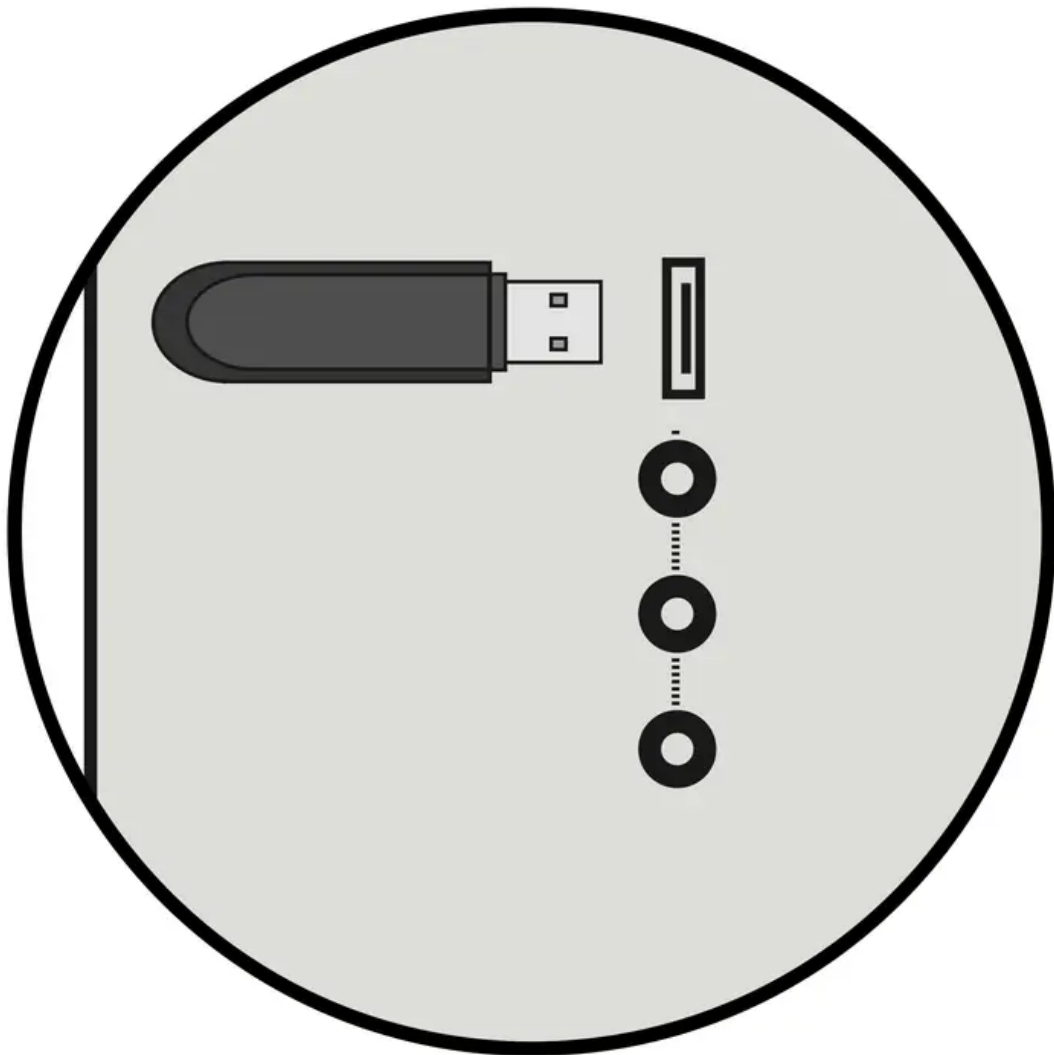
When a channel is locked, it will be inaccessible. Locking a channel is a good way to prevent children from viewing inappropriate material.

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.

## Playing USB Media

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



**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.

### **Preparing Your USB Drive to Play USB Media**

To display 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 ( .mp3, .mp4, .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 thumb drive to the USB port on the side of the TV.
2. The TV will recognize the USB stick. Use the Arrow Keys on the remote to select the content you'd like to play.  
- OR -
3. Select USB from the bottom streaming icons on the SmartCast Homepage.

**Tip:** You can display your photos in Fullscreen. Select the photo, press OK, then highlight Fullscreen and press OK.

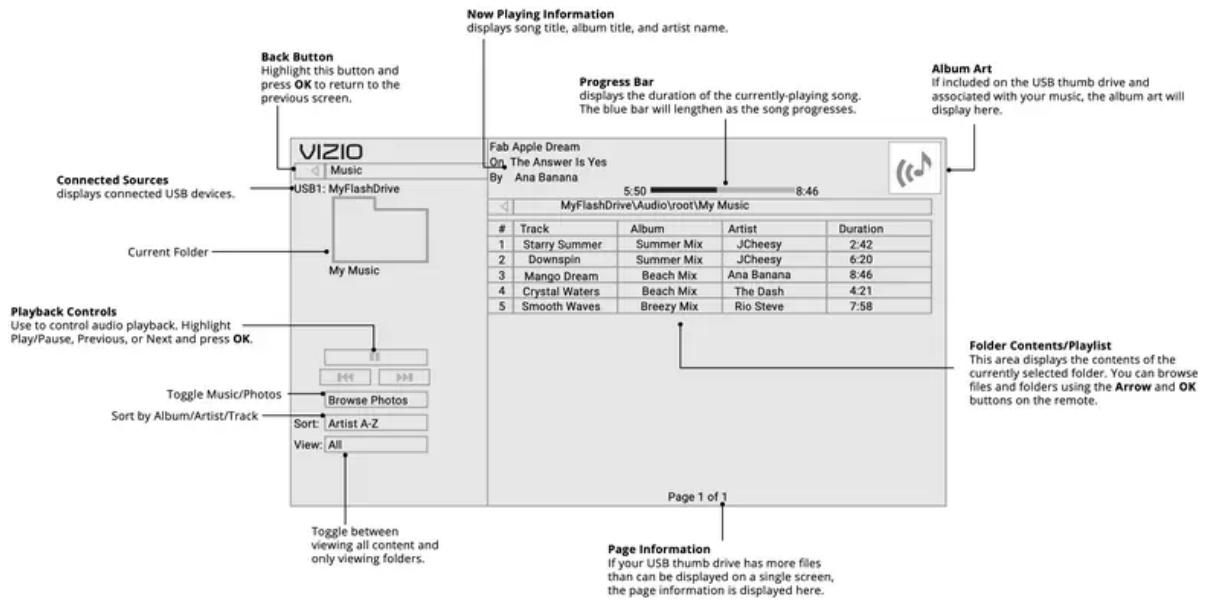
### **Removing the USB Drive from the TV**

To safely remove your USB drive from the TV:

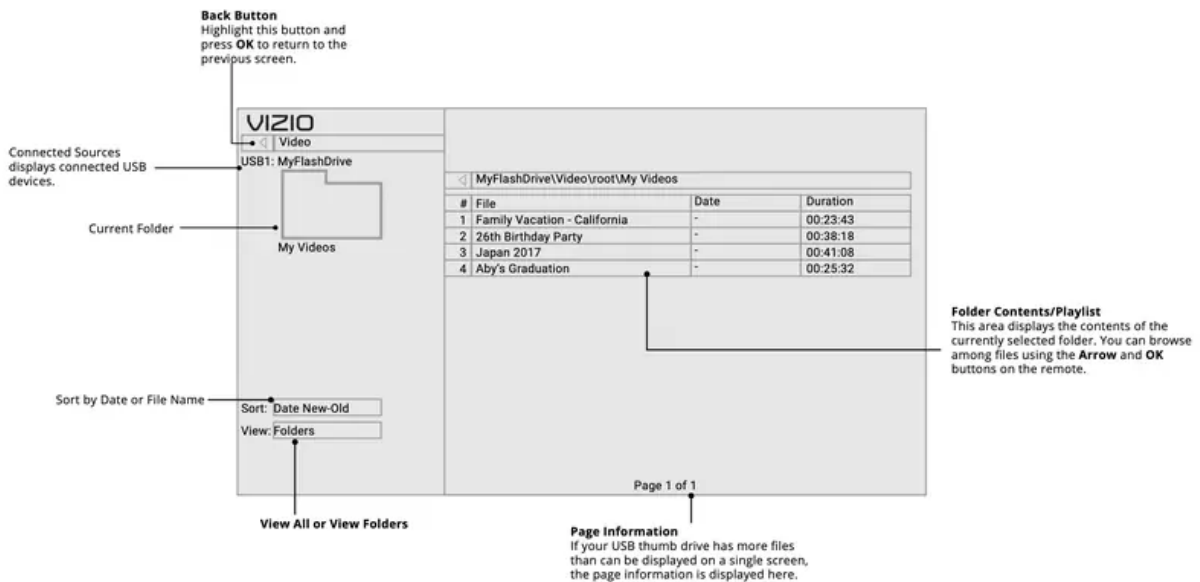
1. Turn off the TV.
2. Disconnect your USB thumb drive from the USB port on the side of the TV.

**Warning:** Do not remove the USB thumb drive while the TV is on. Doing so may damage the drive.

### **Music Player**

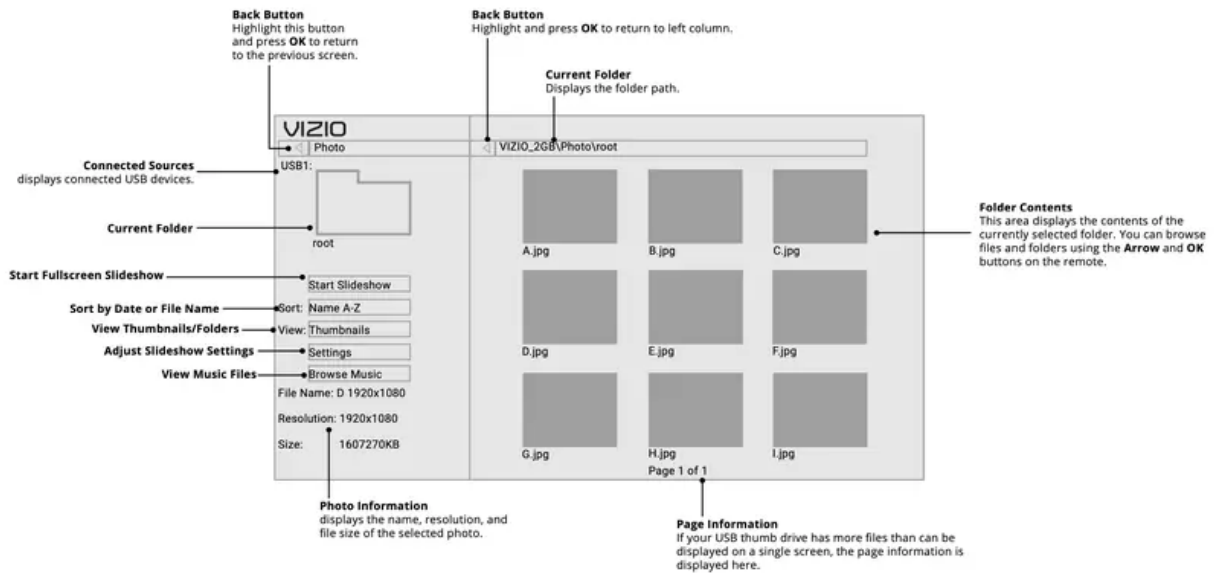


## Video player



## Photo Viewer





## 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.

### The sound is flat or dialog is not audible.

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

### **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 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 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 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 TV 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.

### **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.

### **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 Screen Aspect Ratio.

### **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.

### **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™ 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 IR remote, press the Menu button then go to Network > Select your Wi-Fi name > Enter password.
- Open the VIZIO SmartCast™ App on your phone or tablet. Tap on the device list and select your Display. 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?**

- 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 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 to connect to the.

### 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.