

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.



TV

Manual

Full-Array LED Smart TV User Manual

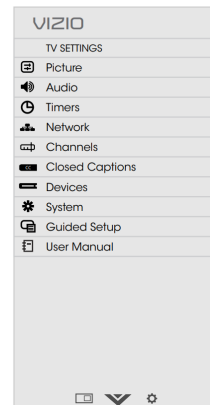
On-Screen Menu

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
- Setting the Sleep Timers
- Adjust the Network settings
- Adjust the Channel settings
- Set up Closed Captioning
- Name Inputs
- Adjust TV settings
- Access the Guided Setup



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.



TIPS: 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.

<p>To change the input source:</p> <ol style="list-style-type: none">1. Press the INPUT button on the remote. The Input menu is displayed.2. Use the Up/Down Arrow buttons or the INPUT button on the remote to highlight the input you wish to view and press OK. <p>The selected input is displayed.</p>	
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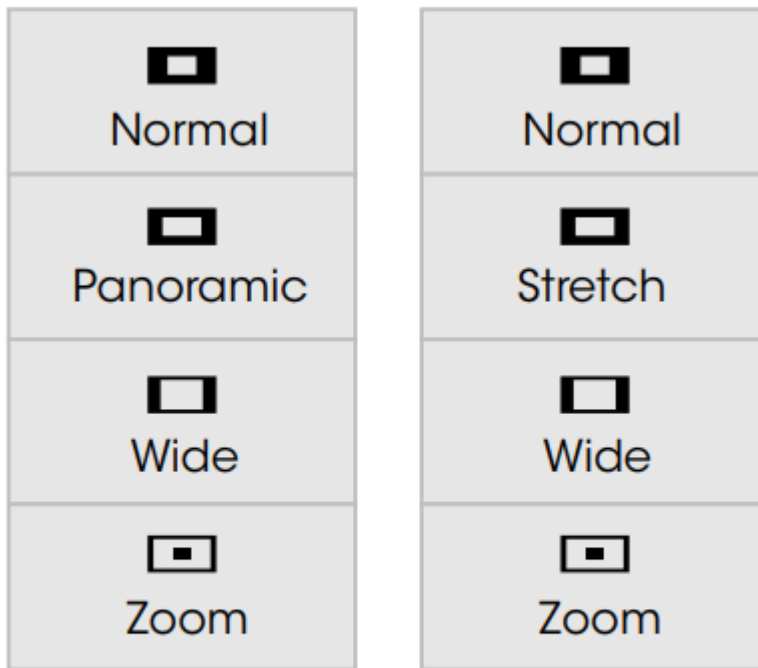
CHANGING THE SCREEN ASPECT RATIO

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



Note: Aspect ratio settings may vary by Input source.

- **Normal** preserves the content's original aspect ratio and size.
 - Standard Definition (480i and 480p—old TV programs) - Since the 4:3 aspect ratio is not large enough to fill the TV's screen, black bars are added to the left and right of the display image.
 - 720p and 720i HD - Fills a 720p or 1080p screen.
 - 1080p and 1080i HD - Fills a 720p or 1080p screen.
- **Stretch** expands a widescreen image to fill the screen from top to bottom and stretches it half as much from right to left. Figures appear tall and thin.
 - Standard Definition - Not available.
 - 720p and 720i HD - If you are watching widescreen content, the image will fill the screen. With 2.35:1 widescreen content, one-sixth of the image is cut off by the left and right sides of the screen.
 - 1080p and 1080i - Not available.
- **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.
- **Standard Definition (480i and 480p)** - Fills the screen from the left to right edges.

- 720p and 720i - Not available.
- 1080p and 1080i - Not available
- **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 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.
 - Standard Definition - Not available.
 - 720p and 720i HD - Fills a 1080p screen
 - 1080p and 1080i - Not available

Tip: The aspect ratio cannot be changed for Ultra HD content or for any video content on HDMI-5.

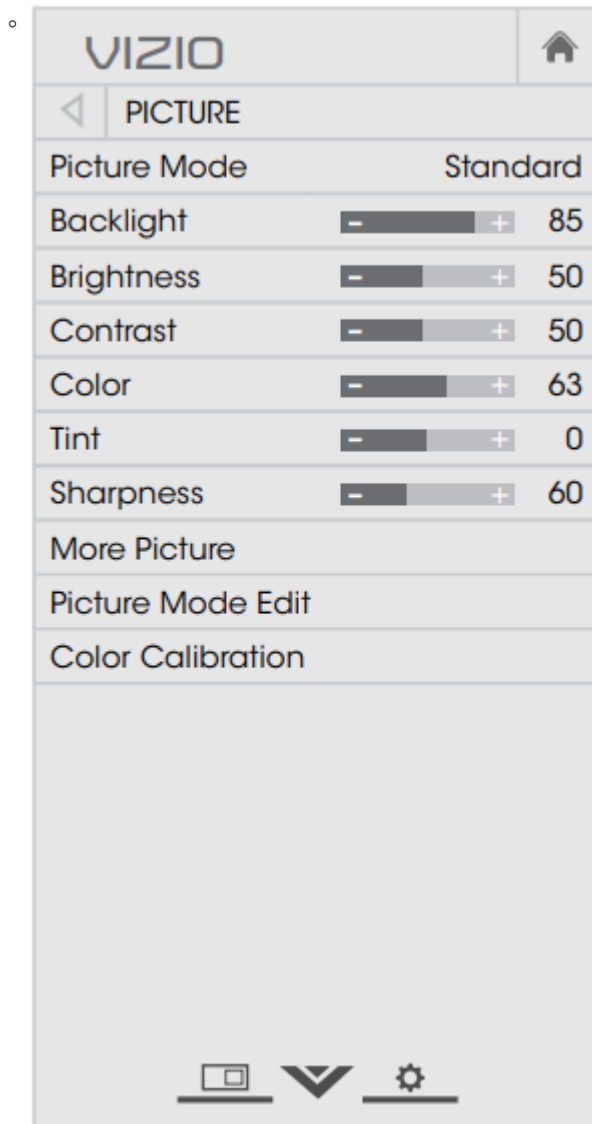
ADJUSTING THE PICTURE SETTINGS

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.

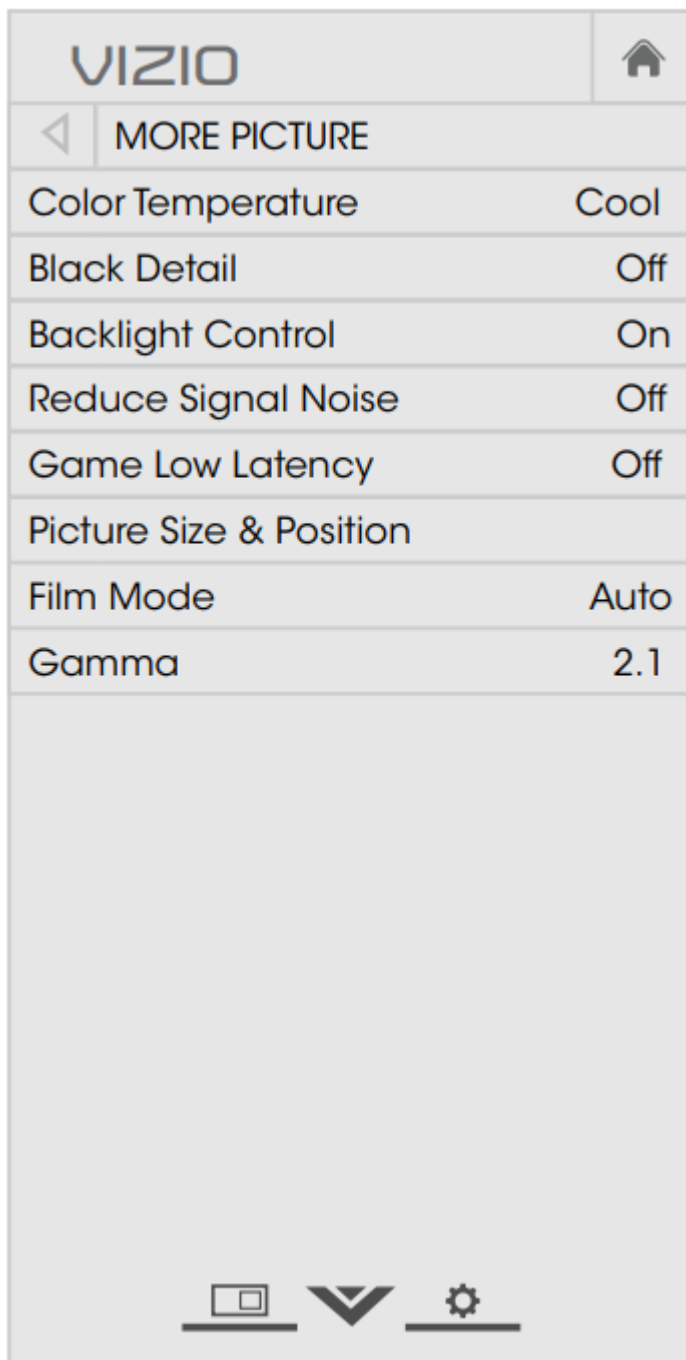
3. Use the Arrow buttons on the remote to highlight Picture Mode, then use the Left/Right Arrow buttons to change the picture mode:



- 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:
 - 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 - Dynamically improves the contrast ration of the picture by adusting the backlight. Select Off or On.
- Reduce Signal Noise - Diminishes artifacts in the image caused by the digitizing of image motion content. Select Off, Low, Medium, or High.
- Game Low Latency - Select On to reduce video delay (lag) when gaming.
- Picture Size & Position - Highlight Picture Size & Position and press OK. The PICTURE SIZE & POSITION menu is displayed.
 - Picture Size: Increase or decrease the vertical and horizontal size of the displayed picture. Use the Left/Right Arrow buttons to adjust the horizontal size of the displayed picture. Use the Up/Down Arrow buttons to adjust the vertical size of the displayed picture. Press the OK button when you are finished.
 - Picture Position: Adjust the vertical and horizontal positions of the picture to ensure the image is centered and completely fills the screen. Use the Left/Right Arrow buttons to adjust the horizontal position of the displayed picture. Use the Up/Down Arrow buttons to adjust the vertical position of the displayed picture. Press the OK button when you are finished.
- 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

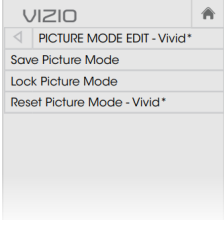

To adjust the color temperature:

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 adusting 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:

<p>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.</p>	
<p>2. Use the Arrow buttons to highlight the setting you wish to adjust, then press OK to change the setting:</p> <ul style="list-style-type: none">• Save Picture Mode - Save a custom picture mode.• Lock Picture Mode - Prevent changes to custom picture modes.• Unlock Picture Mode - Allow changes to custom picture modes. (Available after a custom picture mode is locked)• Delete Picture Mode - Delete a custom picture mode. Inputs assigned to that custom picture mode will be set to Calibrated picture mode. (Available after a custom picture mode is saved)• Reset Picture Mode - Reset the picture mode settings to factory default values. <p>* Not available on HDMI input 5. † Only available on customized preset modes. ‡ Only available on HDMI input.</p>	

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 the on-screen keyboard or keyboard on your remote control 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.
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 Number Pad on your remote to enter your 4-digit PIN.
3. Make any desired changes to the picture modes.
4. Relock the picture modes, if desired. You must create a new 4-digit PIN.
5. 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:

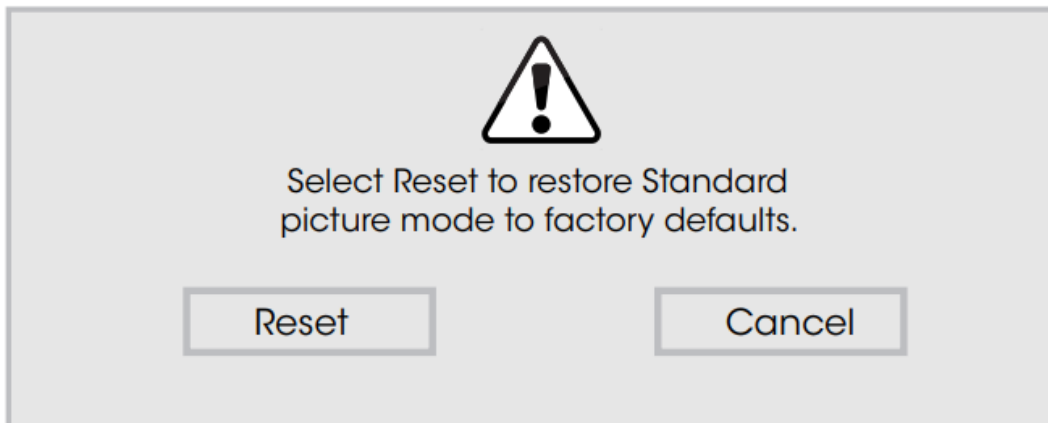


1. From the PICTURE MODE EDIT menu, use the Arrow buttons to highlight Delete Picture Mode, and then press OK. The DELETE PICTURE MODE window is displayed.
2. Use the Left/Right Arrow buttons to highlight Delete and press
3. Press the EXIT button to exit the menu screens.

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 are finished adjusting the color tuner settings, press the EXIT button.

To turn color channels off and on:

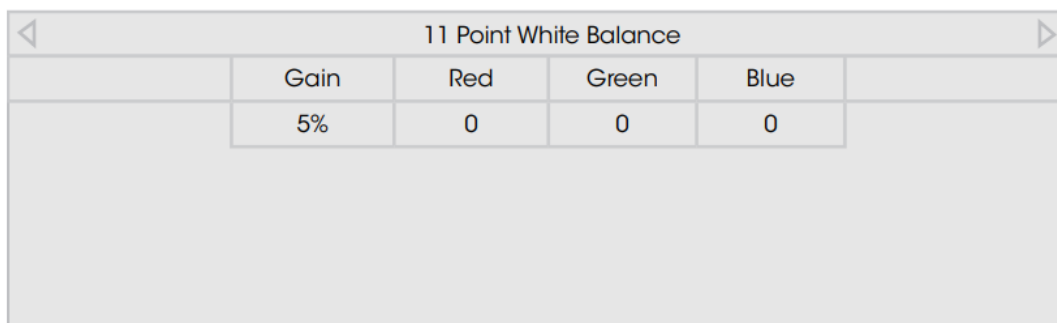
1. From the COLOR CALIBRATION menu, use the Arrow buttons to highlight Color Tuner, and then press OK. The Color Tuner menu is displayed.
2. Use the Arrow buttons on the remote to highlight Red, Green, or Blue.
3. Press the OK button to turn the color channel off or on. An X appears over a color channel 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.

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 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.

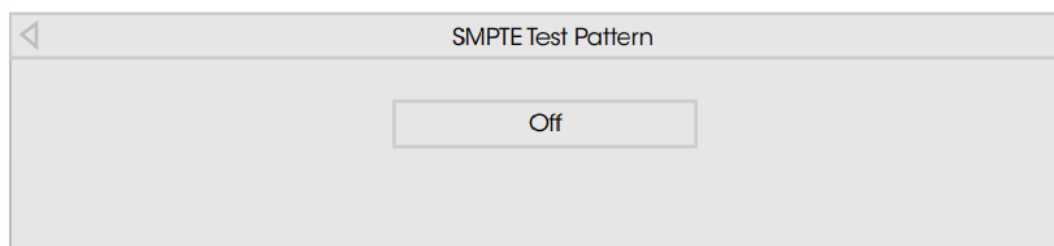


11 Point White Balance				
Gain	Red	Green	Blue	
5%	0	0	0	

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 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.

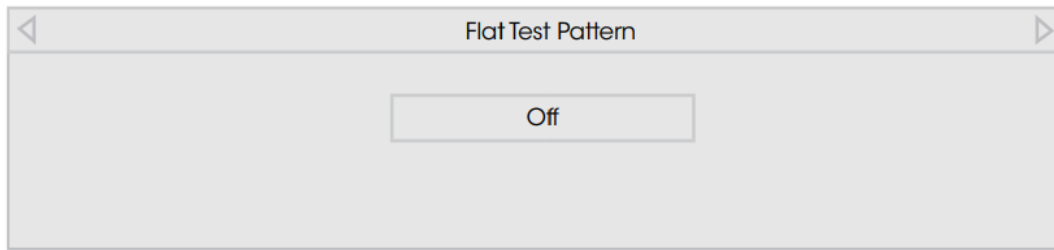
—or—

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.

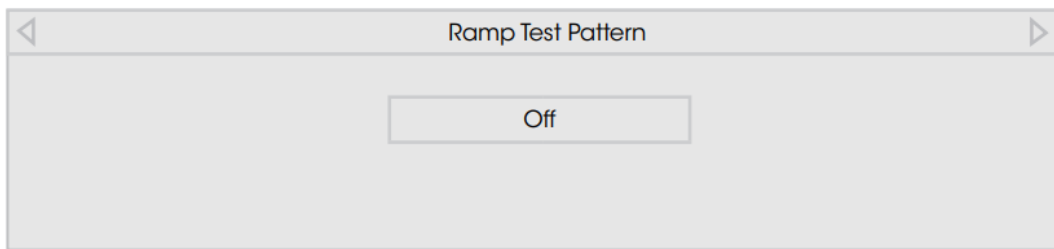
—or—

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.

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:

- TV Speakers - Turns the built-in speakers On or Off.

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

- 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.
- 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 PCM or Bitstream.

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.
- Equalizer - Adjusts the boost or attenuation of different frequencies using either preset or custom settings.
- Delete Audio Mode - Deletes a custom audio mode created using the Equalizer Settings.

4. When you have finished adjusting the audio settings, press the EXIT button on the remote.

Changing the Equalizer Settings

The graphic equalizer has several pre-set modes and allows you to create one custom mode.

To select a pre-set audio mode:

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 Equalizer and press OK. The Audio Mode and equalizer settings screen appears.
4. Use the Left and Right Arrow buttons to select an audio mode. The equalizer bars change to reflect the mode.
5. Press the EXIT button on the remote.

To create, modify, or replace the single custom equalizer setting:

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 Equalizer and press OK. The Audio Mode and equalizer settings screen appears.
4. Use the Left and Right Arrow buttons to select any audio mode as a starting point.
5. Use the Arrow buttons to highlight a frequency and then press OK.
6. Use the Up and Down Arrow buttons to adjust the boost (up) and attenuation (down) for the frequency.
7. Use the Left and Right Arrow buttons to select another frequency, if desired, and adjust it.
8. Press the EXIT button on the remote.

Deleting the Custom Audio Mode

To delete the custom audio mode that has been created:

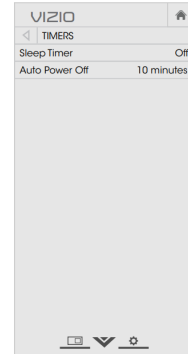
1. Press the MENU button on the remote. The on-screen menu is displayed.
2. Use the Arrow buttons on the remote to highlight Audio and press OK. The AUDIO menu is displayed.
3. Use the Arrow buttons to highlight Delete Audio Mode and press OK. The TV displays, "To delete the user created custom audio mode, select the Delete button."
4. Highlight Delete and press OK.
5. Press the EXIT button on the remote.

Setting timers

Setting the Sleep Timer

When activated, the TV's sleep 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.

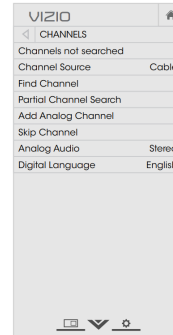
To set the Auto Power Off feature:

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

Selecting a Channel Source

- You can use the TV's Channels menu to:
- Select a Channel Source
- Find Channels
- Perform a Partial Channel Scan
- Manually Add Channels
- Select channels to skip



Selecting a Channel Source

Select the type of tuner input you will be using. You can select either Antenna (Over-the-air) or Cable (Out-of-the-wall) connections.

1. From the CHANNELS menu, highlight Channel Source and press OK. The CHANNEL SOURCE menu displays.
2. Highlight Antenna or Cable and press OK. Press EXIT.

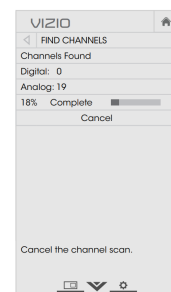
Scanning for Channels

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 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.



Adding New Channels

Occasionally, you may need to add a new range of channels or add a new analog channel. You can do this by using the Partial Channel Search and Add Analog Channel options. This is quicker than scanning all possible channels.

To add a range of new channels:

1. From the CHANNELS menu, highlight Partial Channel Search, and press OK. The PARTIAL CHANNEL SEARCH menu is displayed.
2. Highlight Scan Mode and select the type of channel you are adding: Analog, Digital, or Analog/Digital.
3. Highlight From Channel and enter the channel where you want to begin the scan. (Use the Left Arrow button to backspace. Use the Number Pad on the remote to enter the channel.)
4. Highlight To Channel and enter the channel where you want to end the scan. (Use the Left Arrow button to backspace. Use the Number Pad on the remote to enter the channel.)
5. Highlight Start and press OK. The partial channel search begins.
6. Wait until the partial channel search is 100% complete. Highlight Done and press OK.
7. Press the EXIT button on the remote.

To add a single new analog channel:

1. From the CHANNELS menu, highlight Add Analog Channel and press OK. The ADD ANALOG CHANNEL menu is displayed.
2. Highlight Enter Channel # and use the Number Pad on the remote to enter the number of the channel you are adding.
3. Highlight Add Channel and press OK. The TV scans for the channel.
4. When the TV is done scanning for the channel, press the EXIT button on the remote.

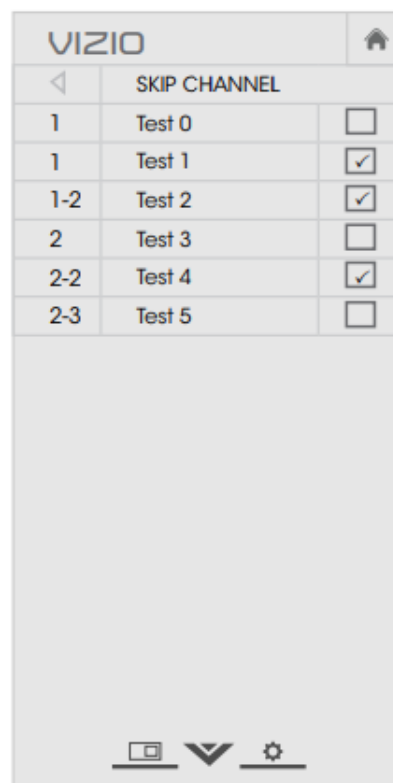
Skipping Channels

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:

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

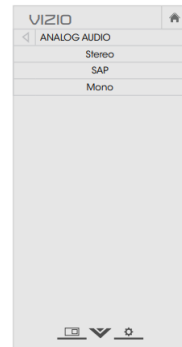
Changing the Analog Audio Language

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.

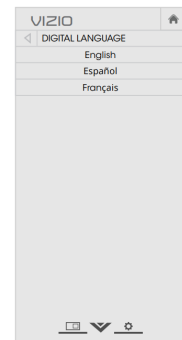
To use the Analog Audio feature:

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 Language and press OK. The DIGITAL LANGUAGE menu is displayed.
2. Select your preferred language: English, Español or Français. Press OK.
3. Press the EXIT button on the remote.



Setting Up Closed Captioning

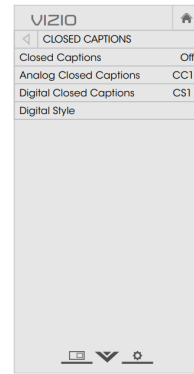
Your TV can display closed captions for programs that include them. Closed captions display a transcription of a program's dialogue.

NOTE

- If the program you are viewing is not being broadcast with closed captions, the TV will not display them.
- The Closed Captions menu does not appear when an HDMI input is selected.

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 Closed Captions 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.



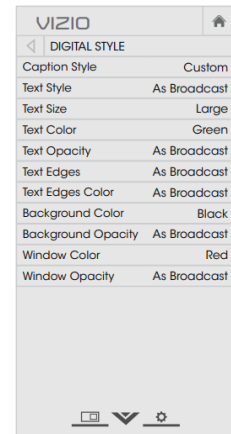
Changing the Appearance of Digital Closed Captions

Digital closed captions can be displayed according to your preference.

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.

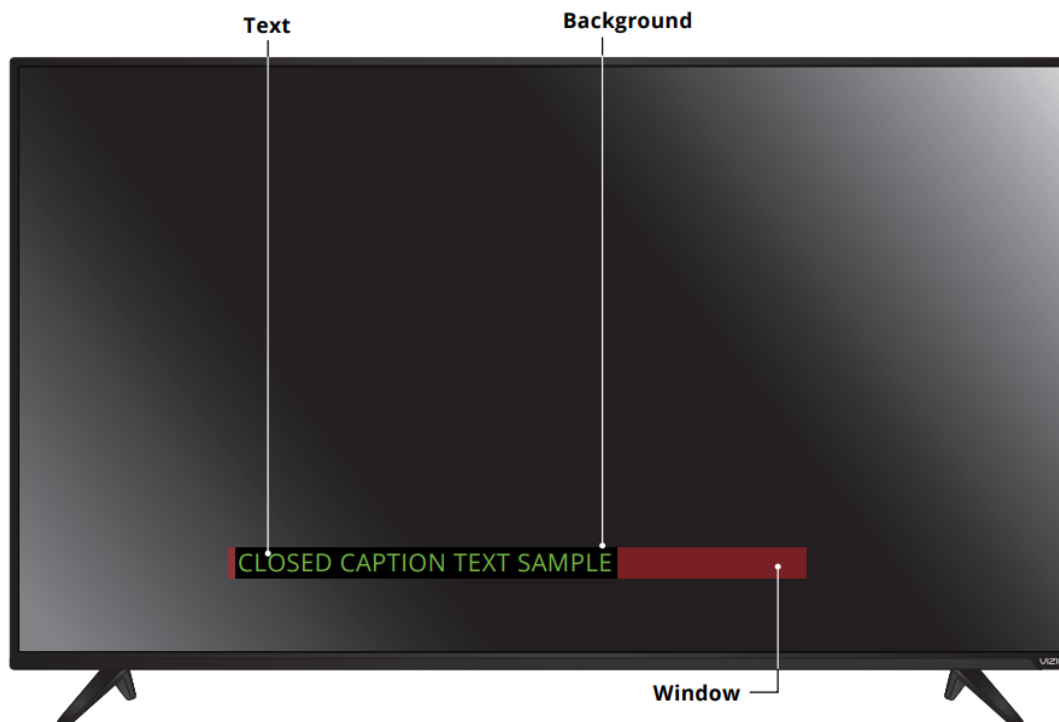
4. When you are satisfied with the appearance of the closed captions, press the EXIT button on the remote.



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 in 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](#).

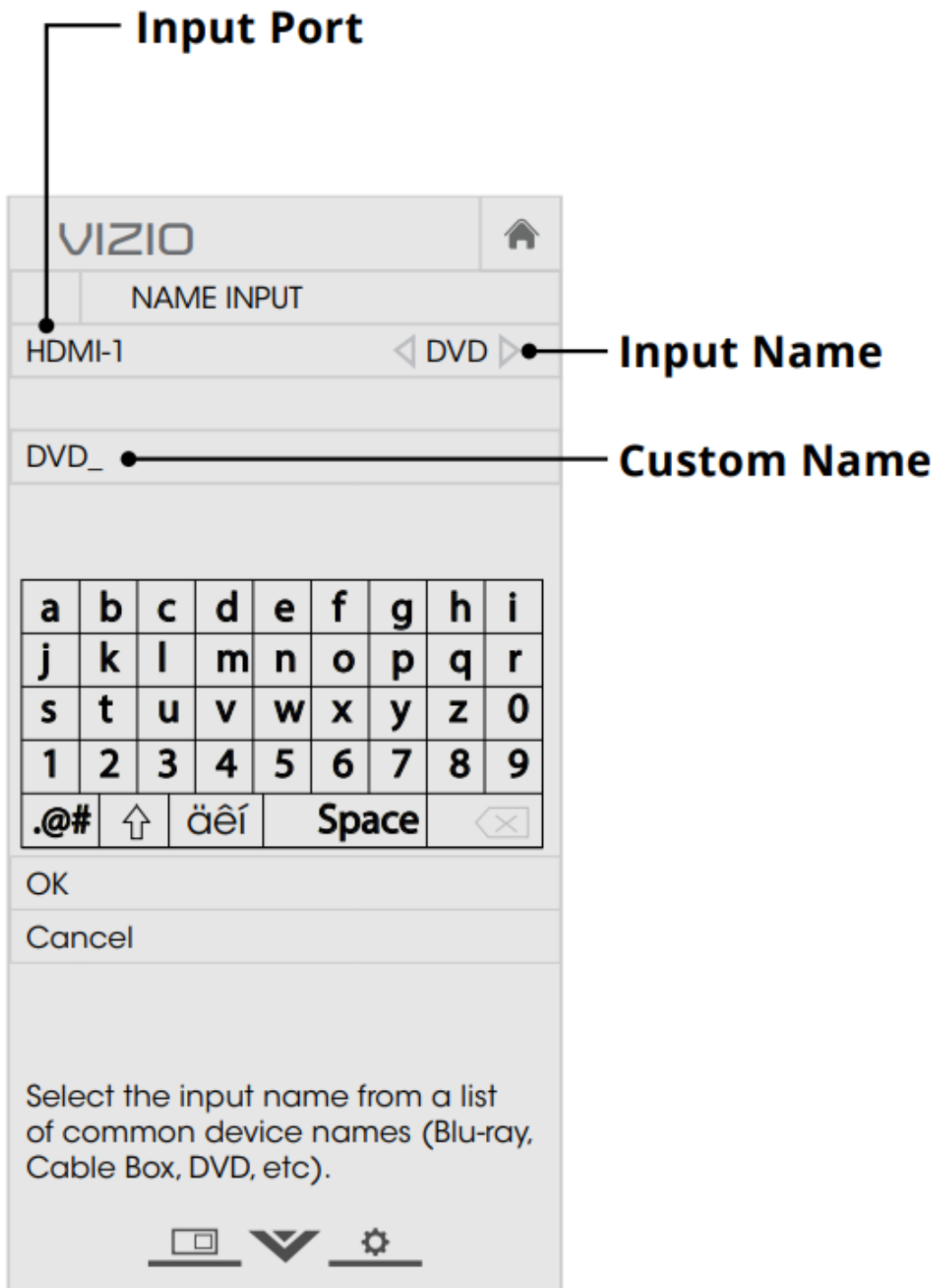
To change the name of an input:

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
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

Viewing System Information

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

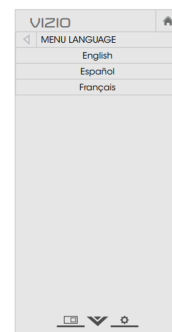
1. Press the MENU button on the remote. The on-screen menu is displayed.
2. Use the Arrow buttons on the remote to highlight System and press OK. The SYSTEM menu is displayed.
3. Highlight System Information and press OK.
4. Use the Up/Down Arrow buttons to scroll through the system information.
5. When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

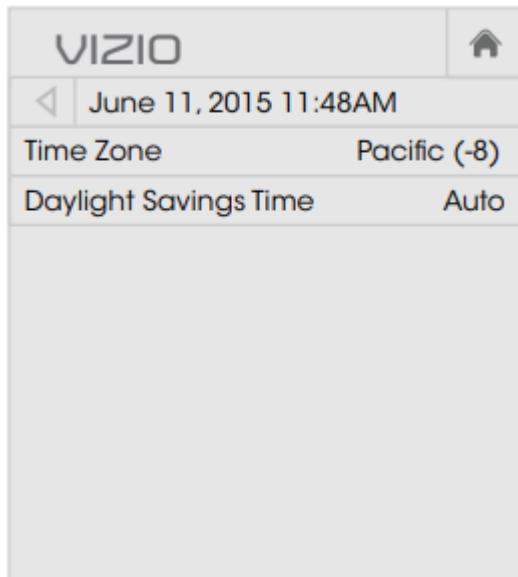
To change the on-screen menu language:

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.

Using the 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.

NOTE Other devices have their own parental control settings

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 System and press OK. The SYSTEM menu is displayed.
3. Use the Arrow buttons on the remote to highlight Parental Controls and press OK.
4. Enter your parental PIN. If you have not set a PIN, enter the default, 0000. The PARENTAL CONTROLS menu is displayed.

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

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.

NOTE For a list of content ratings and their definitions, visit www.tvguidelines.org

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.

Changing the Parental Control PIN

If you use the parental controls, you should change the PIN to prevent children from accessing inappropriate material.

To change the parental control PIN:

1. From the PARENTAL CONTROLS menu, highlight Change PIN and press OK. The CHANGE PIN menu is displayed.
2. In the NEW PIN field, use the Number Pad on the remote to enter your new 4-digit parental control PIN.
3. In the CONFIRM PIN field, use the Number Pad on the remote to re-enter your new 4-digit parental control PIN.
4. Write down your new parental control PIN and save it in a secure location.
5. Press the EXIT button on the remote.

Resetting the Content Locks

To reset the content locks to the factory-default settings:

1. From the PARENTAL CONTROLS menu, highlight Reset Locks and press OK. The TV displays, "Select Reset to restore Parental Controls to factory defaults."

2. Highlight Reset and press OK.

Changing the View Mode Settings

You can resize the video content to fit while the menu is open.

To change the view mode 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. Use the Arrow buttons on the remote to highlight View Mode and press OK. The VIEW MODE menu is displayed.
4. Highlight Viewport, Overlay, or Centered Overlay and press OK.
 - Viewport - The entire picture is visible in the space to the right of the menu.
 - Overlay - The left-hand portion of the picture covered by the menu.
 - Centered Overlay - The picture extends off of the right side of the screen.
5. Press the EXIT button on the remote.

Using the USB Media Player

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



Preparing Your USB Drive to Play USB Media

To play USB media, you must first save your files 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, .jpg, etc.).
- The player is not designed to play media from external hard drives, MP3 players, cameras, or smartphones

Displaying USB Media

To play your USB media:

1. Connect your USB thumb drive to the USB port on the side of the TV.
2. Use the Arrow buttons to highlight the Yes and press OK. (The highlighted App is in the center of the dock.)
3. Use the Arrow buttons to highlight the USB drive from the list and press OK.

4. Use the Arrow buttons to highlight Photo and press OK
5. Use the Arrow buttons to highlight the file you want to display. Press OK. The photos display

NOTE 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.

TROUBLESHOOTING

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 the 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.

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.

The colors on the TV don't look right.

- Adjust the Color and Tint settings in the Picture menu.
- Select a pre-set picture mode. 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.


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 FHD 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 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.

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.