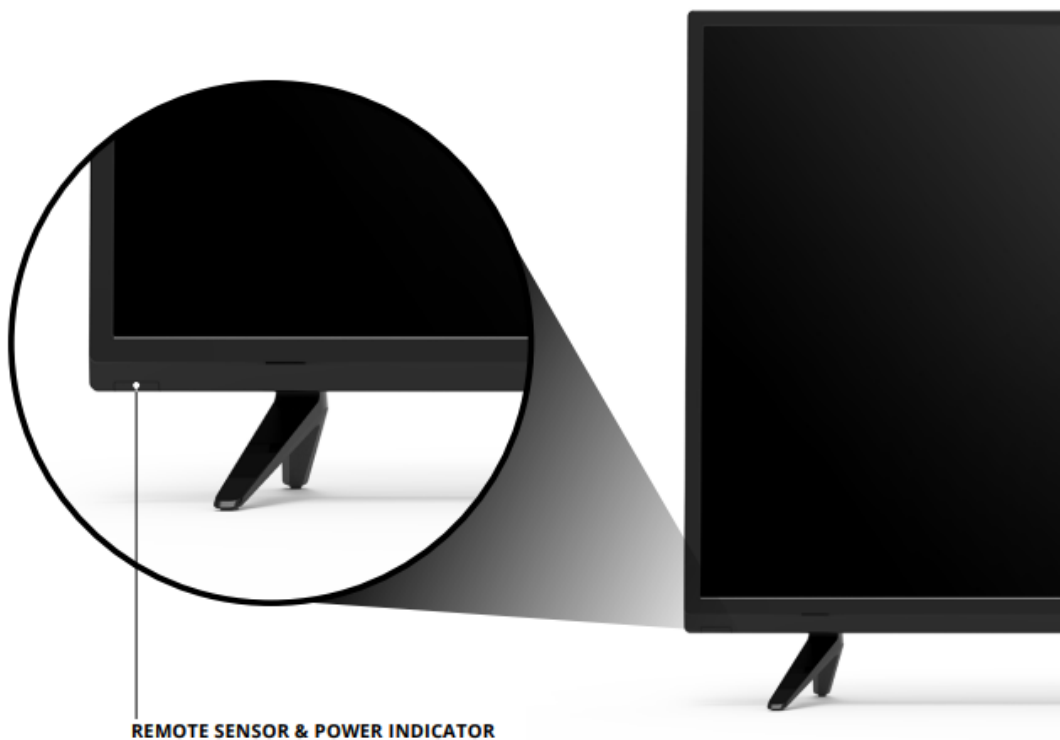


Getting to Know Your TV

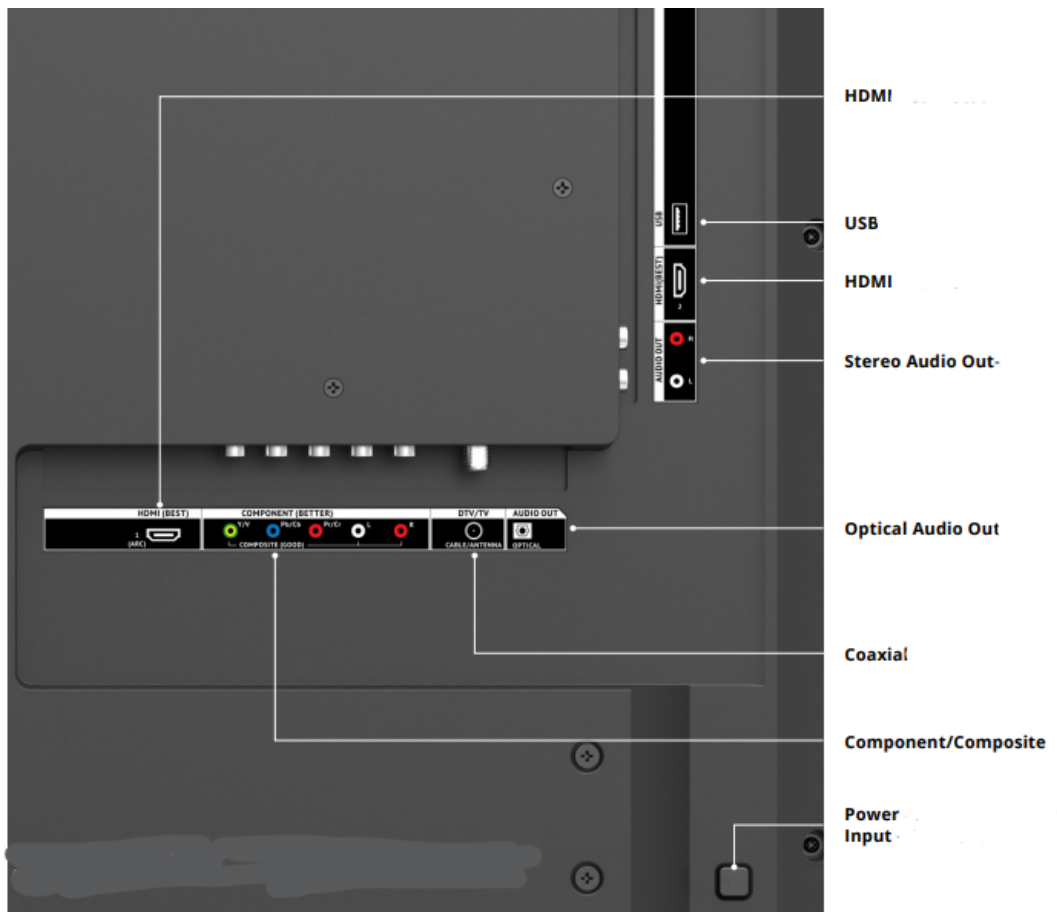
FRONT PANEL



REMOTE SENSOR & POWER INDICATOR

When using the remote, aim it directly at this sensor. The power indicator flashes on when the TV turns on, then goes out after several seconds. To keep the power indicator on as long as the TV is on, see ***Turning the Power Indicator On or Off*** section.

REAR PANEL



HDMI - Connect an HDMI device.

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

HDMI - Connect an HDMI device.

Stereo Audio Out - Connect an RCA audio device, such as sound bar.

Optical Audio Out - Connect an optical/SPDIF audio device, such as home audio receiver.

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

Component/Composite - Connect a component or composite device.

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

Input - Press once to access the input menu.

USING THE REMOTE



1. Power - Turn TV on or Off.
2. Input - Change the currently displayed input.
3. Exit - Close the on-screen menu.
4. Menu - Display the on-screen menu.
5. Arrows - Navigate the on-screen menu.
6. OK / Enter - Select the highlighted option / Confirm channel or passcode entered using the number pad.
7. Back - Go to the previous on-screen menu.
8. Guide - Display the info window.
9. Volume Up/Down - Increase or decrease the loudness of the audio.

10. V Button - Displays the multimedia menu.
11. Channel Up/Down - Change the channel.
12. Mute - Turn the audio on or off.
13. Last - Return to the last viewed channel.
14. Number Pad - Manually enter a channel.
15. Wide - Change the display mode.
16. Dash - Use with number pad to manually enter a digital sub-channel. (e.g. 18-4 or 18-5)

Replacing the Batteries



1. Remove the battery cover by pressing down on the arrow markings and sliding out.
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.

Completing The First-Time Setup

The first time you turn on the TV, the Setup App will guide you through each of the steps necessary to get your TV ready for use. Before you begin the first-time setup:

- Your TV should be installed and the power cord should be connected to an electrical outlet.
- Your devices should be connected.

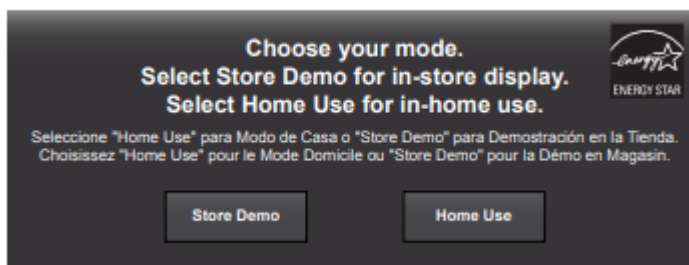
- If you have a wireless network, have the network password ready.
- If you are connecting to your network with an Ethernet cable, connect it to the Ethernet port on the TV.

To complete the first-time setup:

1. Press the **Power** button on the remote. The TV powers on and the Setup App starts.



2. Use the **Arrow** buttons on the remote to highlight **Home Use** and press OK.



3. Use the **Arrow** buttons on the remote to highlight your language of preference and press OK.



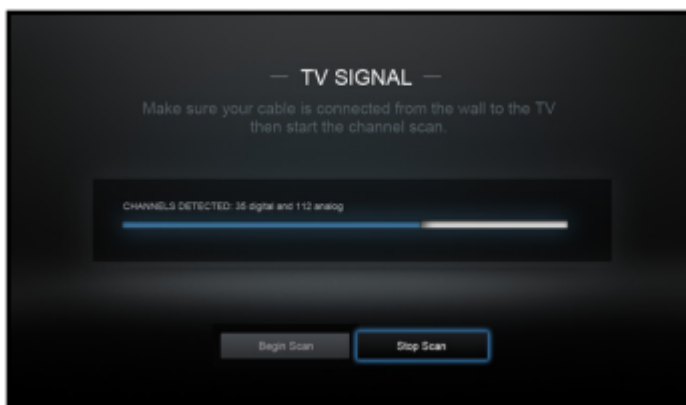
4. Use the **Arrow** buttons on the remote to highlight your TV source and press OK.



If you have cable TV, select whether you have a cable box or if you connect the TV directly to a cable from the wall.



5. If the TV Signal channel scan screen appears, the TV will need to scan for channels, which takes several minutes. Use the arrow buttons on the remote to highlight **Begin Scan** and press OK .



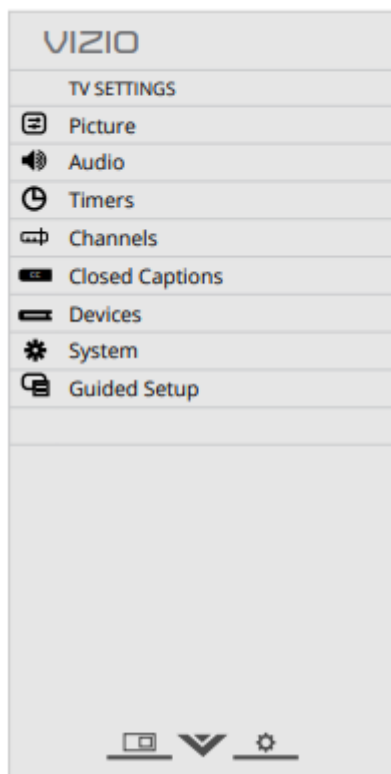
Note: Number of ports may differ by TV.

Otherwise, use the Arrow and OK buttons on the remote to select the input your TV source is connected to. When you are finished, the message "Setup is complete." will appear.

The First-Time Setup is complete.

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
- Setting the Sleep Timers
- 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.



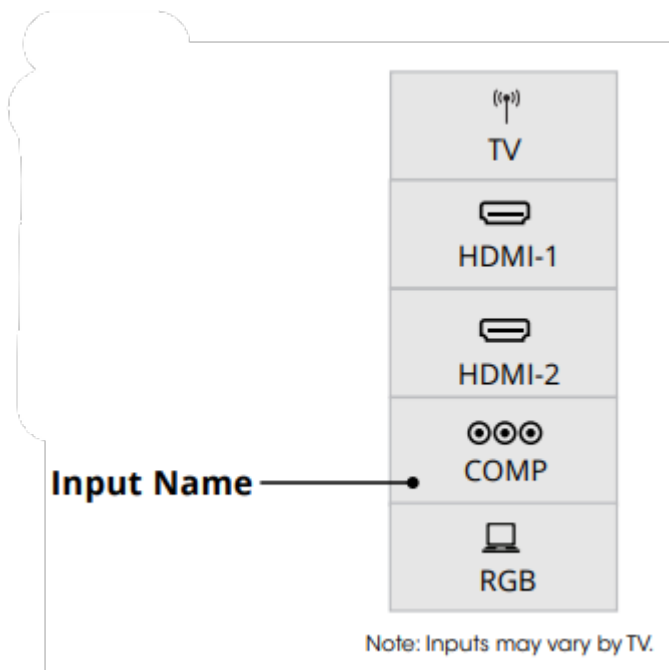
Note: While navigating the on-screen menu, you can press the BACK button at any time to return to the previous menu screen. The EXIT button will close the on-screen menu.

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 source:

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. The selected input is displayed.



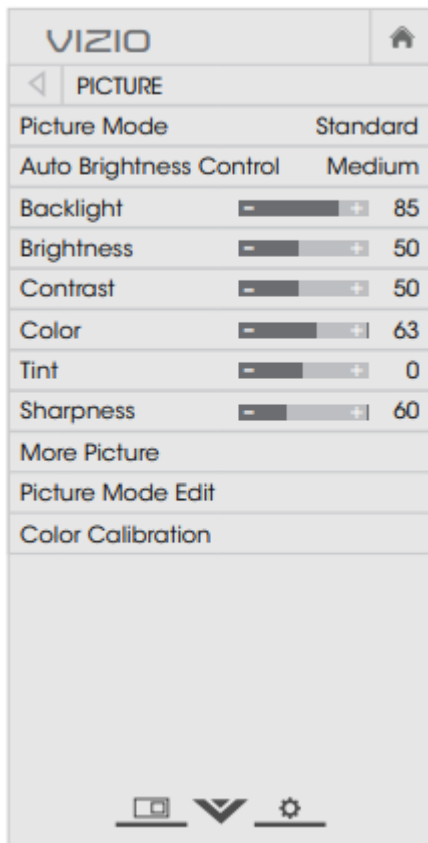
Note: You can change the input names that appear on the Input menu to make your devices easy to recognize. See Renaming Devices on the Input Menu for more information.

ADJUSTING THE PICTURE SETTINGS

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

To adjust the picture settings:

1. Press the MENU button on the remote. The on-screen menu is displayed.
2. Use the Arrow buttons on the remote to highlight Picture and press OK. The PICTURE menu is displayed.
3. Use the Arrow buttons on the remote to highlight Picture Mode, then use the Left/Right Arrow buttons to change the picture mode:
 - Standard mode sets the picture settings to the default settings.
 - Calibrated mode sets the picture settings to values ideal for watching TV in a brightly-lit room.
 - Calibrated Dark mode sets the picture settings to values ideal for watching TV in a dark room.
 - Vivid mode sets the picture settings to values that produce a brighter, more vivid picture.
 - Game mode reduces throughput delays and optimizes the picture settings for displaying game console output.
 - Computer mode optimizes the picture settings for displaying computer output.



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

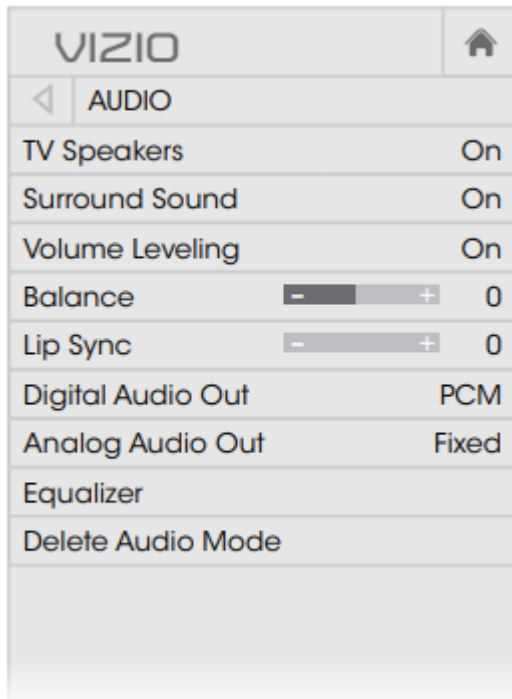
- Auto Brightness Control - The auto brightness control detects the light levels in the room and automatically adjusts the backlight for the best picture. Select Off, Low, Medium, or High.
- Backlight - Adjusts the LED brightness to affect the overall brilliance of the picture. Backlight cannot be adjusted when starting from some picture modes.
- Brightness - Adjusts the black level of the picture. When this setting is too low, the picture may be too dark to distinguish details. When this setting is too high, the picture may appear faded or washed out.
- Contrast - Adjusts the white level of the picture. When this setting is too low, the picture may appear dark. When this setting is too high, the picture may appear faded or washed out. If the setting is too high or too low, detail may be difficult to distinguish in dark or bright areas of the picture.
- Color - Adjusts the intensity of the picture colors.
- Tint - Adjusts the hue of the picture. This setting is useful in adjusting the flesh tones in the picture. If flesh appears too orange, reduce the level of color before adjusting tint.

- Sharpness - Adjusts the edge sharpness of picture elements. It can be used to sharpen non-HD (high definition) content; however, it will not produce detail that does not otherwise exist.

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

ADJUSTING 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.
 - Surround Sound - Surround sound uses DTS TruSurround™ to deliver an immersive surround sound experience from the TV's internal speakers. TruSurround completes the entertainment experience by providing deep, rich bass and by delivering crisp details and clear, intelligible dialog. Select On or Off.
 - Volume Leveling - Volume leveling uses DTS TruVolume™ to maintain consistent volume levels during transitions between program content, AV formats, and input sources. Select On or Off. In a few cases, volume leveling may artificially suppress

volume increases, making it difficult to hear dialog or flattening sudden noises. If this occurs, turn volume leveling off.

- Balance - Adjusts the loudness of the audio output from the left and right speakers.
- Lip Sync - Adjusts the synchronization between the display image and the accompanying audio track.
- Digital Audio Out - Changes the type of processing for digital audio out and HDMI ARC output when connected to a home theater audio system. Select PCM or Bitstream.
- Analog Audio Out - Sets the volume control properties for the RCA connector when connected to a home theater audio system. Select Variable if you are controlling the volume with the TV's volume controls, or select Fixed if an external audio device (sound bar or AV receiver) will control the volume.
- Equalizer - Adjusts the boost or attenuation of different frequencies using either preset or custom settings. See Changing the Equalizer Settings on page 20.
- Delete Audio Mode - Deletes a custom audio mode created using the Equalizer Settings. See Deleting the Custom Audio Mode.

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

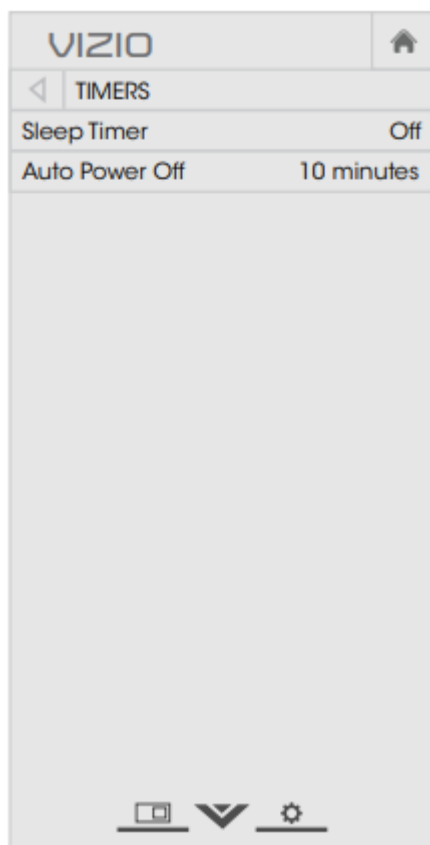
To delete the custom audio mode that has been created:

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

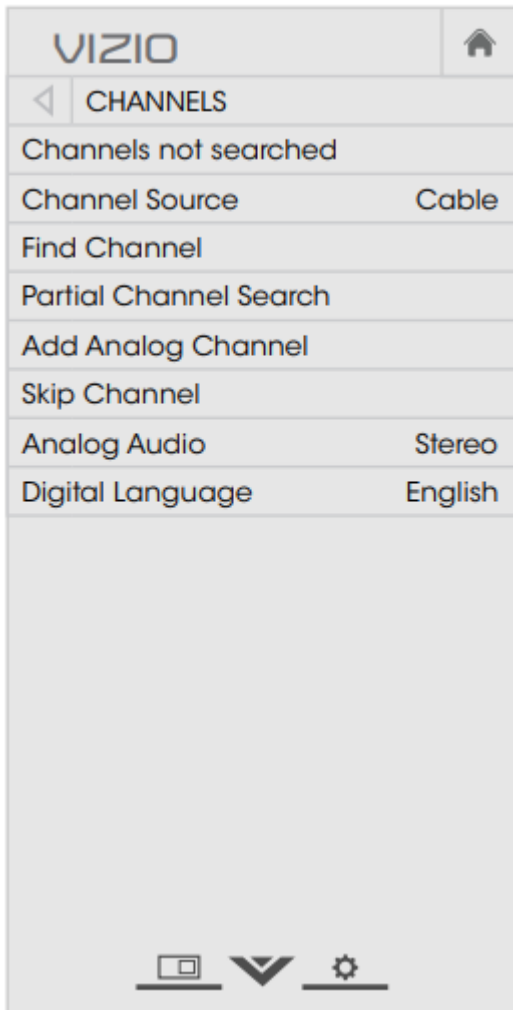
To help save energy, your TV is set by default to turn off after 10 minutes without a video or audio signal. This feature can be deactivated. To set the Auto Power Off feature:

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.

SETTING UP CHANNELS

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:

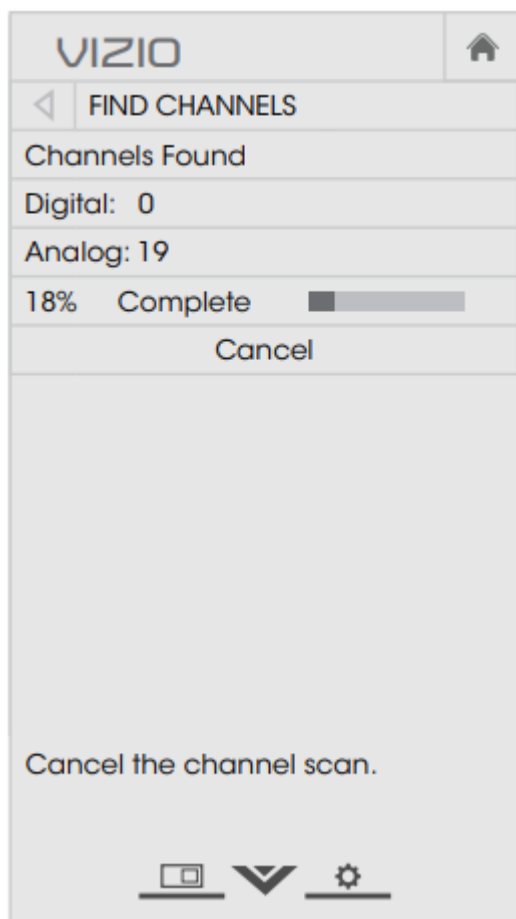
1. From the CHANNELS menu, highlight Find Channels, and press OK. The auto channel scan begins.
2. Wait until the channel scan is 100% complete. Highlight Done and press OK.
3. Press the EXIT button on the remote.

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

Adding New Channels

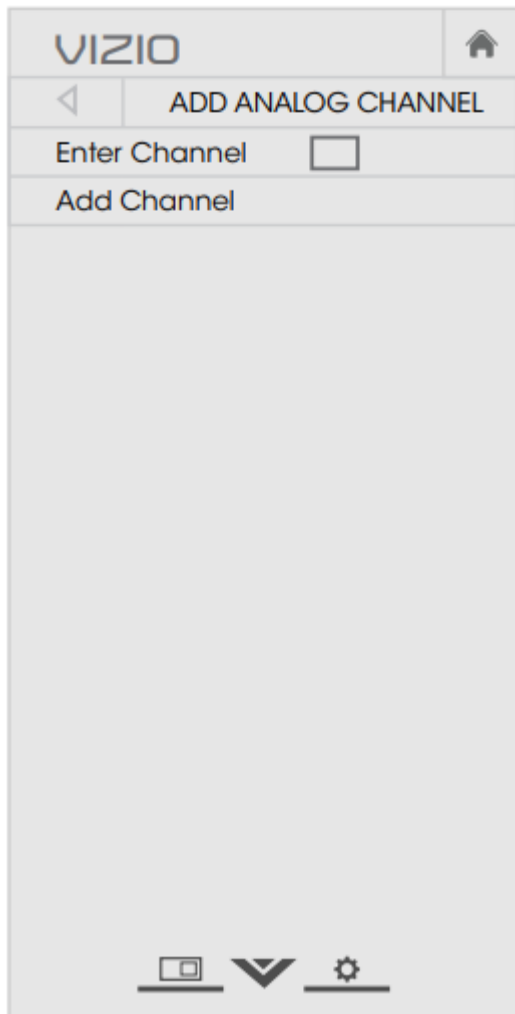
Occasionally, you may need to add a new range of channels or add a new analog channel. You can do this by using the Partial Channel Search and Add Analog Channel options. This is quicker than scanning all possible channels.

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:



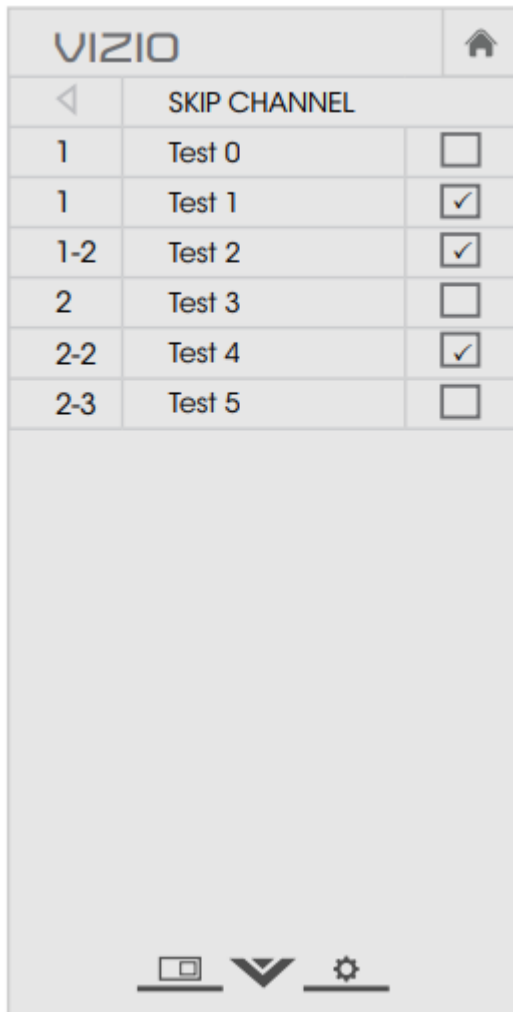
1. From the CHANNELS menu, highlight Add Analog Channel and press OK. The ADD ANALOG CHANNEL menu is displayed.
2. Highlight Enter Channel # and use the Number Pad on the remote to enter the number of the channel you are adding.
3. Highlight Add Channel and press OK. The TV scans for the channel.
4.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

Skiping 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.

Note: 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

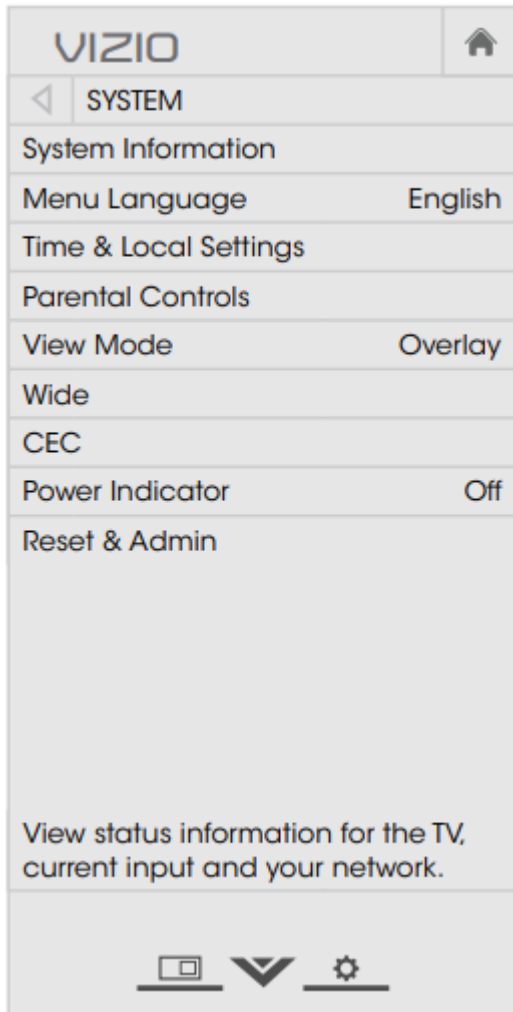
To remove a channel:



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 P 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.

CHANGING THE TV SETTINGS

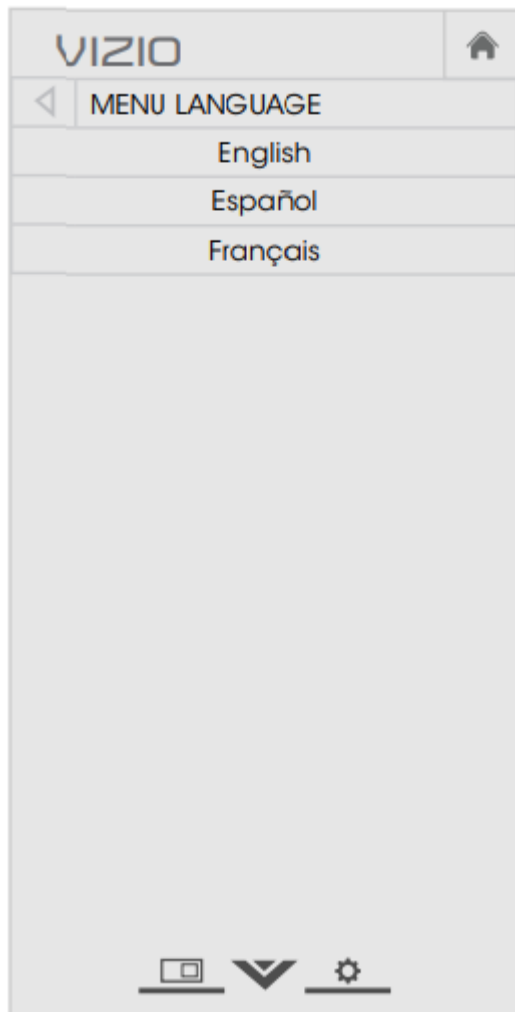
Using the System menu, you can:



- View system information
- Change the on-screen menu language
- Set time zone and local settings
- Set up parental controls
- Resize the video size
- Adjust wide mode
- Adjust the CEC settings
- Adjust when the power indicator is illuminated
- Reset the TV settings & set up administrative controls

Changing the On-Screen Menu Language

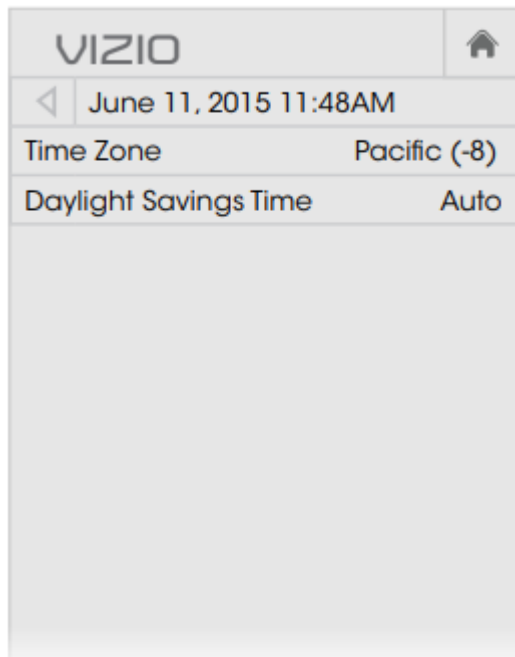
Your TV can display the on-screen menu in different languages. To change the on-screen menu language:



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

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.

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

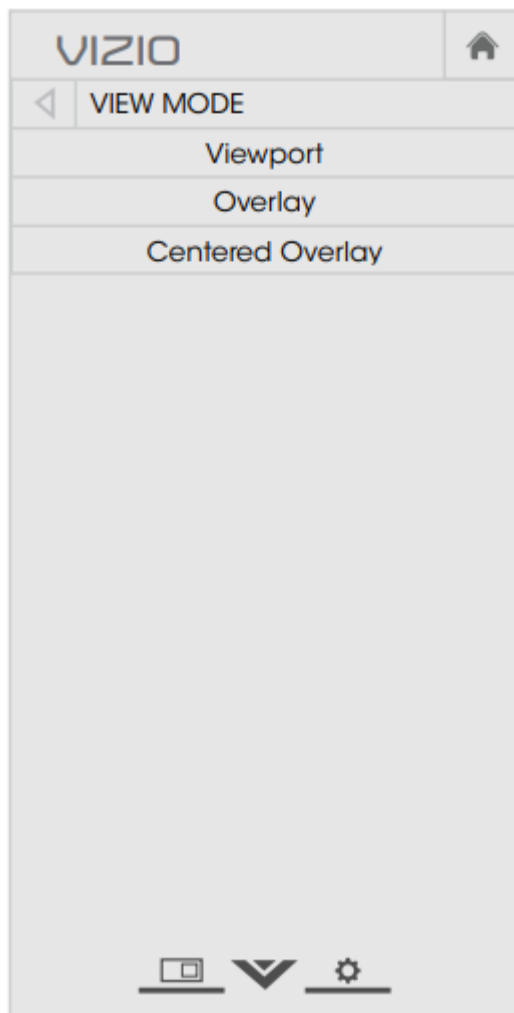
To reset the content locks to the factory-default settings:

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.

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.

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.
- 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.
- 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 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 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.

Specifications

Screen Size:	50"
Viewable Area:	49.50"
Dimensions w/ Stand:	44.24" x 28.27" x 10.04"
w/o Stand:	44.24" x 25.91" x 2.52"
Weight w/ Stand:	30.84 lbs
w/o Stand:	30.03 lbs
LCD Backlight:	Full Array LED
Refresh Rate:	60 Hz Effective Refresh Rate
Maximum Resolution:	1920 x 1080 (1080p)
Dynamic Contrast Ratio:	200,000:1
Pixel Pitch:	0.57 mm (H) X 0.57 mm (V)
Viewing Angle:	178° (H) / 178° (V)
HDMI Inputs:	2
Component Video Inputs:	1
Composite Inputs:	1 (Shared with Component)
RF Antenna Input:	1
USB Port:	1
Audio Outputs:	RCA Analog Stereo Output, Optical Digital
OSD Language:	English, French, Spanish
Ambient Light Sensor:	Yes

Warning

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