VIZIO

USER MANUAL
Model: E400-B2 & E480-B2

This product qualifies for ENERGY STAR in the "factory default" setting and this is the setting in which power savings will be achieved. Changing the factory default picture settings or enabling other features will increase power consumption that could exceed the limits necessary to qualify for ENERGY STAR rating.

For DTS patents, see http://patents.dts.com.

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HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

Welcome

THANK YOU FOR CHOOSING VIZIO

And congratulations on your new VIZIO HDTV.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference. Be sure to inspect the package contents to ensure there are no missing or damaged parts.

PRODUCT REGISTRATION

To purchase or inquire about accessories and installation services for your VIZIO product, visit our website at www.VIZIO.com or call toll free at (877) 878-4946.

We recommend that you either:

- Register your VIZIO product at www.VIZIO.com
- Complete and mail the enclosed registration card

Extended Warranties

For peace of mind, and to protect your investment beyond the standard warranty, VIZIO offers on-site extended warranty service plans. These plans provide additional coverage during the standard warranty period. To purchase an extended warranty service plan, visit www.VIZIO.com.

WHEN READING THIS MANUAL

⚠️ When you see this symbol, please read the accompanying important warning or notice. It is intended to alert you to the presence of important operating instructions.

💡 When you see this symbol, please read the accompanying helpful tip.

IMPORTANT SAFETY INSTRUCTIONS

Your TV is designed and manufactured to operate within defined design limits. Misuse may result in electric shock or fire. To prevent your TV from being damaged, the following instructions should be observed for the installation, use, and maintenance of your TV. Read the following safety instructions before operating your TV. Keep these instructions in a safe place for future reference.

- To reduce the risk of electric shock or component damage, switch off the power before connecting other components to your TV.
- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.

- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

- Unplug this apparatus during lightning storms or when unused for long periods of time.

- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.

- Unplug the power cord before cleaning your TV.

- When moving your TV from an area of low temperature to an area of high temperature, condensation may form in the housing. Wait before turning on your TV to avoid causing fire, electric shock, or component damage.

- A distance of at least three feet should be maintained between your TV and any heat source, such as a radiator, heater, oven, amplifier etc. Do not install your TV close to smoke. Operating your TV close to smoke or moisture may cause fire or electric shock.

- Slots and openings in the back and bottom of the cabinet are provided for ventilation. To ensure reliable operation of your TV and to protect it from overheating, be sure these openings are not blocked or covered. Do not place your TV in a bookcase or cabinet unless proper ventilation is provided.

- Never push any object into the slots and openings on your TV cabinet. Do not place any objects on the top of your TV. Doing so could short circuit parts causing a fire or electric shock. Never spill liquids on your TV.

- Your TV should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.

- Do not apply pressure or throw objects at your TV. This may compromise the integrity of the display. The manufacturer's warranty does not cover user abuse or improper installations.

- The power cord must be replaced when using different voltage than the voltage specified. For more information, contact your dealer.

- When connected to a power outlet, power is always flowing into your TV. To totally disconnect power, unplug the power cord.

- The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of un-isolated, dangerous voltage within the inside of your TV that may be of sufficient magnitude to constitute a risk of electric shock to persons.

- Do not overload power strips and extension cords. Overloading can result in fire or electric shock.

- The wall socket should be installed near your TV and easily accessible.

- Only power of the marked voltage can be used for your TV. Any other voltage than the specified voltage may cause fire or electric shock.

- Do not touch the power cord during lightning. To avoid electric shock, avoid handling the power cord during electrical storms.

- Unplug your TV during a lightning storm or when it will not be used for long period of time. This will protect your TV from damage due to power surges.

- Do not attempt to repair or service your TV yourself. Opening or removing the back cover may expose you to high voltages, electric shock, and other hazards. If repair is required, contact your dealer and refer all servicing to qualified service personnel.

- WARNING: Keep your TV away from moisture. Do not expose your TV to rain or moisture. If water penetrates into your TV, unplug the power cord and contact your dealer. Continuous use in this case may result in fire or electric shock.

- Do not use your TV if any abnormality occurs. If any smoke or odor becomes apparent, unplug the power cord and contact your dealer immediately. Do not try to repair your TV yourself.

- Avoid using dropped or damaged appliances. If your TV is dropped and the housing is damaged, the internal components may function abnormally. Unplug the power cord immediately and contact your dealer for repair. Continued use of your TV may cause fire or electric shock.

- Do not install your TV in an area with heavy dust or high humidity. Operating your TV in environments with heavy dust or high humidity may cause fire or electric shock.

- Follow instructions for moving your TV. Ensure that the power cord and any other cables are unplugged before moving your TV.

- When unplugging your TV, hold the AC/DC power adapter, not the cord. Pulling on the power cord may damage the wires inside the cord and cause fire or electric shock. When your TV will not be used for an extended period of time, unplug the power cord.

- To reduce risk of electric shock, do not touch the connector with wet hands.

- Insert batteries in accordance with instructions. Incorrect polarities may cause the batteries to leak which can damage the remote control or injure the operator. Do not expose batteries to excessive heat such as sunshine, fire or the like.

- If any of the following occurs, contact the dealer:
  - The power cord fails or frays.
  - Liquid sprays or any object drops into your TV.
  - Your TV is exposed to rain or other moisture.
  - Your TV is dropped or damaged in any way.
  - The performance of your TV changes substantially.

- This apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

- The mains plug or appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

- CAUTION - These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

- The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated DANGEROUS VOLTAGE within the product's enclosure that may be of sufficient magnitude to constitute a risk of electrical shock to persons.

TELEVISION ANTENNA CONNECTION PROTECTION

If an outside antenna/satellite dish or cable system is to be connected to the TV, make sure that the antenna or cable system is electrically grounded to provide some protection against voltage surges and static charges.
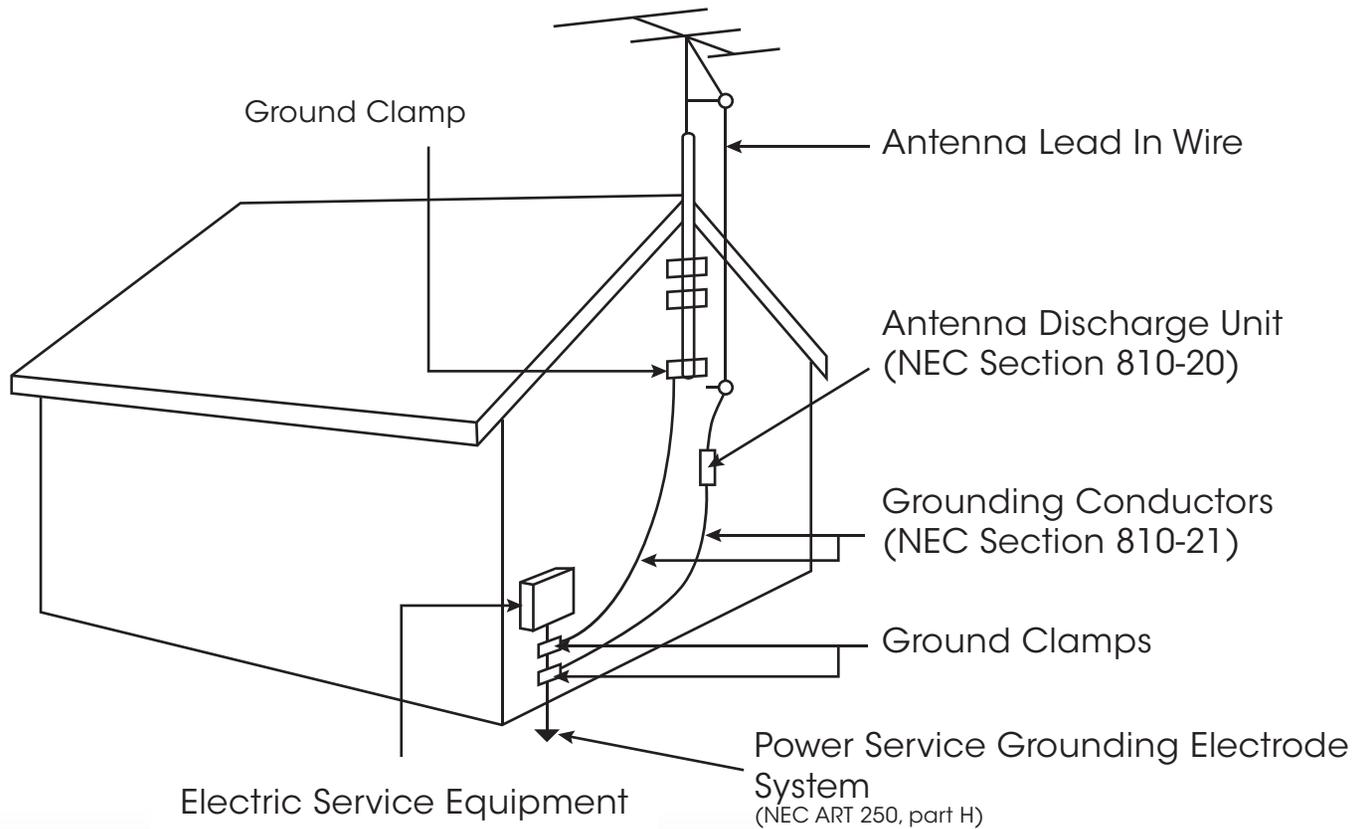
Article 810 of the National Electrical Code, ANSI/NFPSA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of the grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements of the grounding electrode.

Lightning Protection

For added protection of the TV during a lightning storm or when it is left unattended or unused for long periods of time, unplug the TV from the wall outlet and disconnect the antenna or cable system.

Power Lines

Do not locate the antenna near overhead light or power circuits, or where it could fall into such power lines or circuits. Remember, the screen of the coaxial cable is intended to be connected to earth in the building installation.

Ground Clamp

Antenna Lead In Wire

Antenna Discharge Unit
(NEC Section 810-20)

Grounding Conductors
(NEC Section 810-21)

Ground Clamps

Power Service Grounding Electrode System
(NEC ART 250, part H)

Electric Service Equipment

Table of Contents

INSPECTING THE PACKAGE CONTENTS

Before installing your new TV, take a moment to inspect the package contents. Use the images below to ensure nothing is missing or damaged.

VIZIO LED HDTV with Stand

Remote Control with Batteries

Quick Start Guide

Power Cord

7 x M4 14mm Phillips Screws (For E400-B2)

7 x M4 10mm Phillips Screws (For E480-B2)

PACKAGE CONTENTS

INSTALLING THE TV

After removing the TV from the box and inspecting the package contents you can begin installing the TV. Your TV can be installed in two ways:

- On a flat surface, using the included stand
- On a wall, using a VESA-standard wall mount (not included)

Installing the TV Stand

Your TV includes a stand designed to support the weight of the TV and keep it from falling over. However, the TV can still fall over if:

- It is placed on an uneven, unstable, or non-level surface
- It is pushed, pulled, or otherwise improperly moved
- If an earthquake occurs and the TV is not properly secured
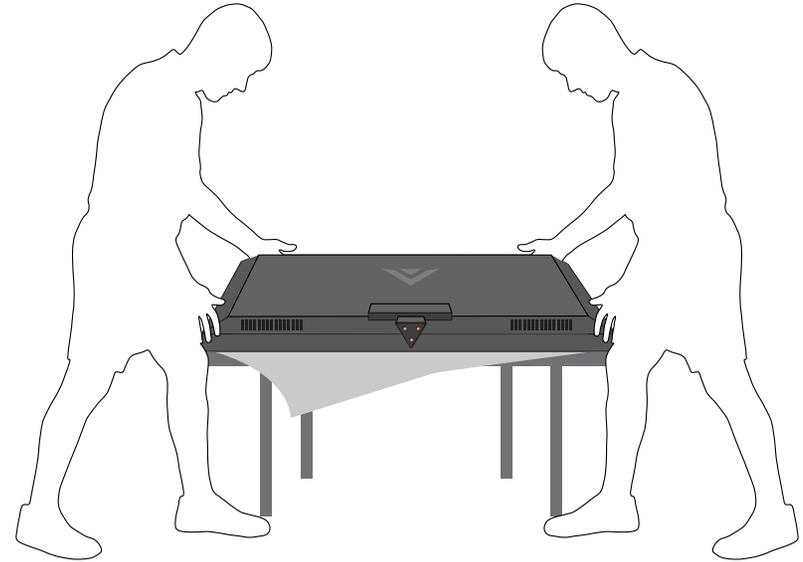
It is recommended that two people take part in the base installation.

Place the TV screen-down on a clean, flat surface. To prevent scratches or damage to the screen, place the TV on a soft surface such as a blanket.

TV ON STAND
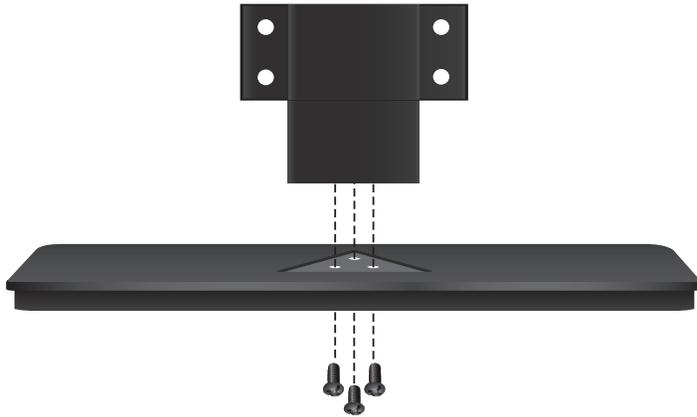
To install the base:

For E400-B2

1. Align the neck with the base and snap it into place.

2. Using a Phillips screwdriver, insert three (3) M4 x 14mm screws into the holes on the bottom of the base and tighten them to secure it to the neck.

3. Align the neck piece with the slot in the bottom of the TV and slide it into place as shown.

4. Using a Phillips screwdriver, insert four (4) M4 x 14mm screws into the holes on the back of the TV and tighten them to secure the neck to the TV.

5. When you are finished, place the TV on a stable, level surface at least eight (8) inches from the floor.
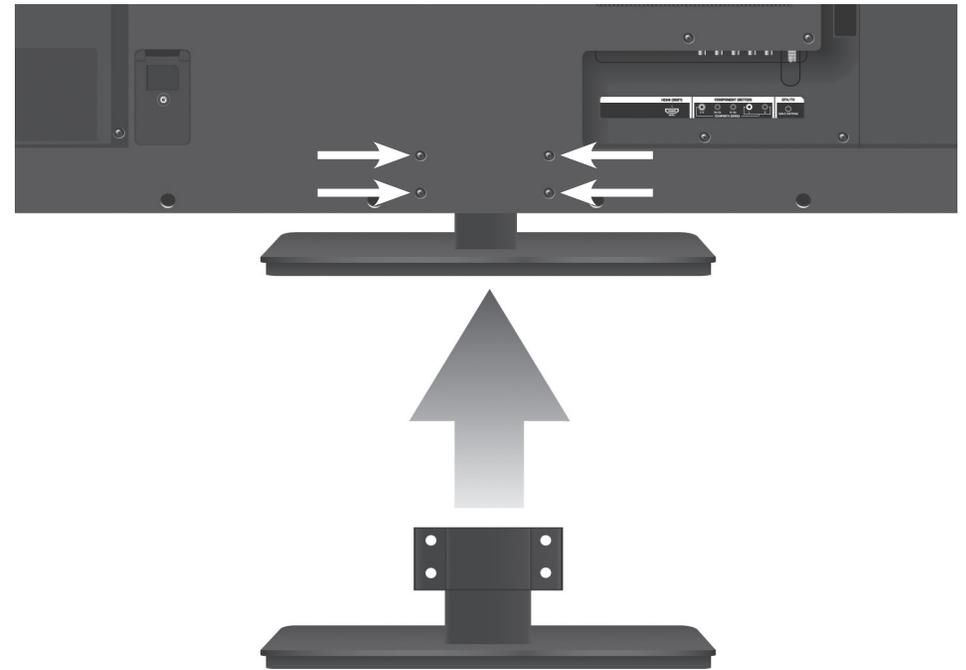
For E480-B2

1. Align the neck with the base and snap it into place.

2. Using a Phillips screwdriver, insert three (3) M4 x 10mm screws into the holes on the bottom of the base and tighten them to secure it to the neck.

3. Align the neck piece with the slot in the bottom of the TV and slide it into place as shown.

4. Using a Phillips screwdriver, insert four (4) M4 x 10mm screws into the holes on the back of the TV and tighten them to secure the neck to the TV.

5. When you are finished, place the TV on a stable, level surface at least four (4) inches from the floor.

Installing the TV on a Wall

To mount your TV on a wall, you will need a wall mount. Consult the information below to find the appropriate mount for your TV model:

> Installing a TV on a wall requires lifting. To prevent injury or damage to the TV, ask someone to help you.

	E400-B2	E480-B2
Screw Size:	M4	M6
Screw Pitch:	0.7mm	1.0mm
Hole Pattern:	100mm (V) x 100mm (H)	200mm (V) x 200mm (H)

Be sure the mount you choose is capable of supporting the weight of the TV. After you have determined that you have the correct mount for your TV, you can begin the installation.

To install your TV on a wall:

1. Disconnect any cables connected to your TV.

2. Place the TV face-down on a clean, flat, stable surface. Be sure the surface is clear of debris that can scratch or damage the TV.

3. Remove the base by loosening and removing the screws.

4. Attach your TV and wall mount to the wall, carefully following the instructions that came with your mount.

   Use only with a UL-listed wall mount bracket rated for the weight/load of this TV. See *Appendix B - Specifications on page 47* for the weight of this TV.
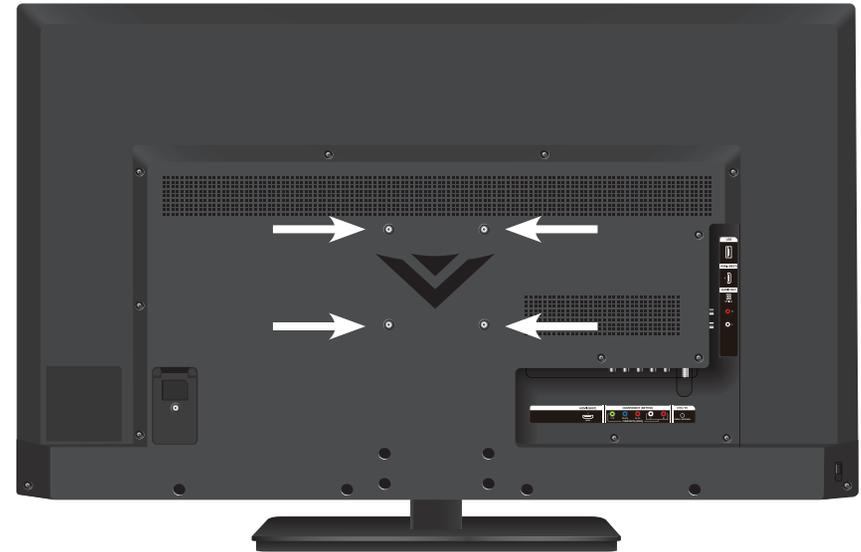
WALL MOUNT SCREW LOCATION - E400-B2

WALL MOUNT SCREW LOCATION - E480-B2
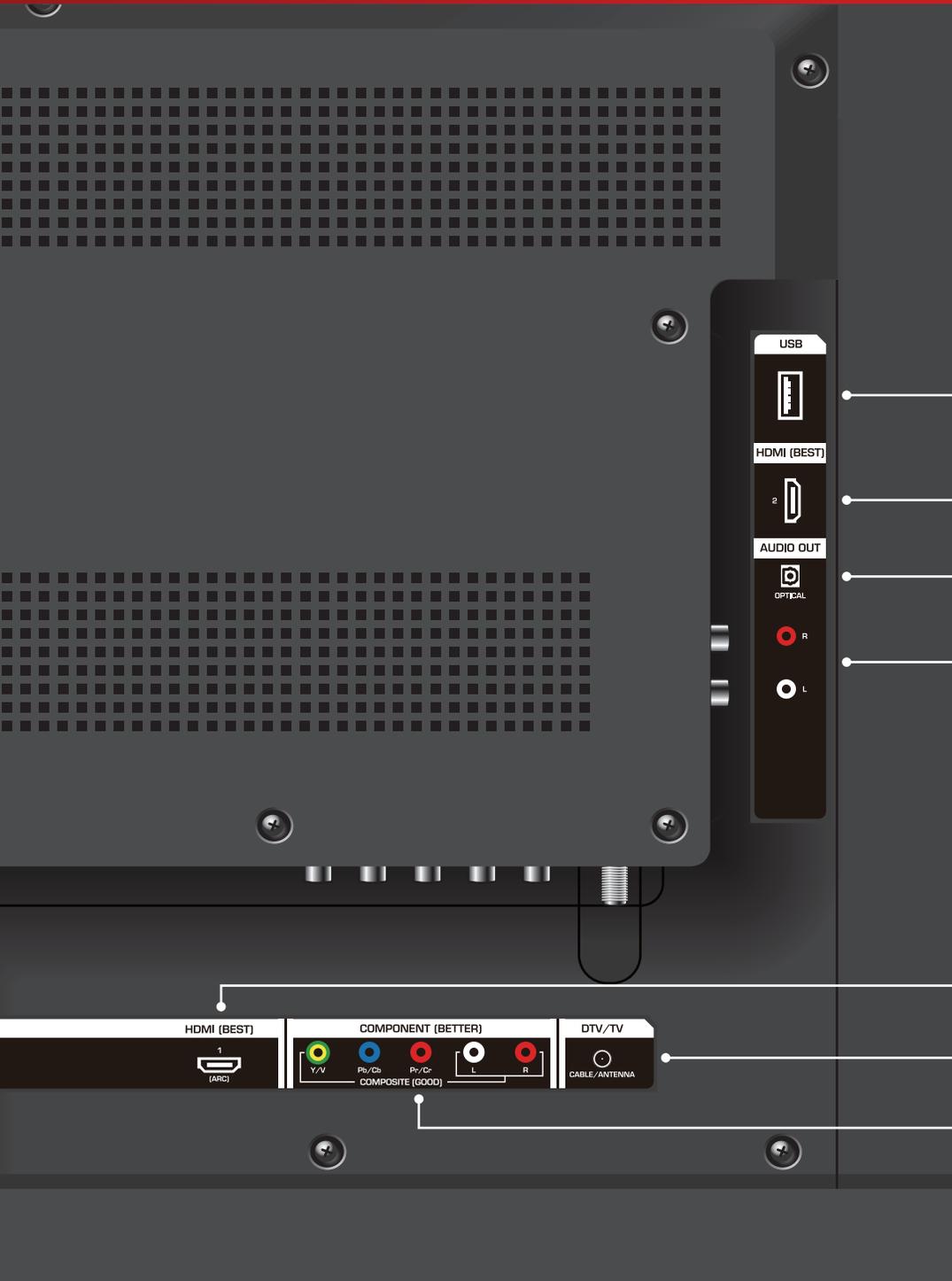
USB - Connect a USB thumb drive to view photos.

HDMI - Connect an HDMI device.

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

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

HDMI - Connect an HDMI device.

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

Component/Composite - Connect a component or composite device.

USB

HDMI (BEST)
2

AUDIO OUT
OPTICAL
R
L

HDMI (BEST)
1
(ARC)

COMPONENT (BETTER)
Y/V   Pb/Cb   Pr/Cr   L   R
COMPOSITE (GOOD)

DTV/TV
CABLE/ANTENNA

REAR PANEL
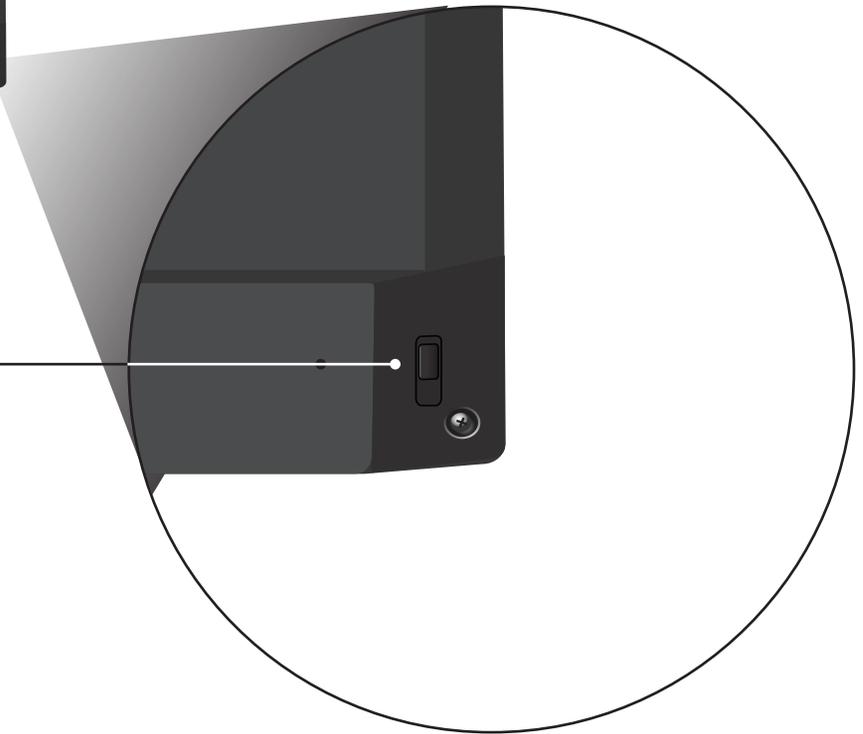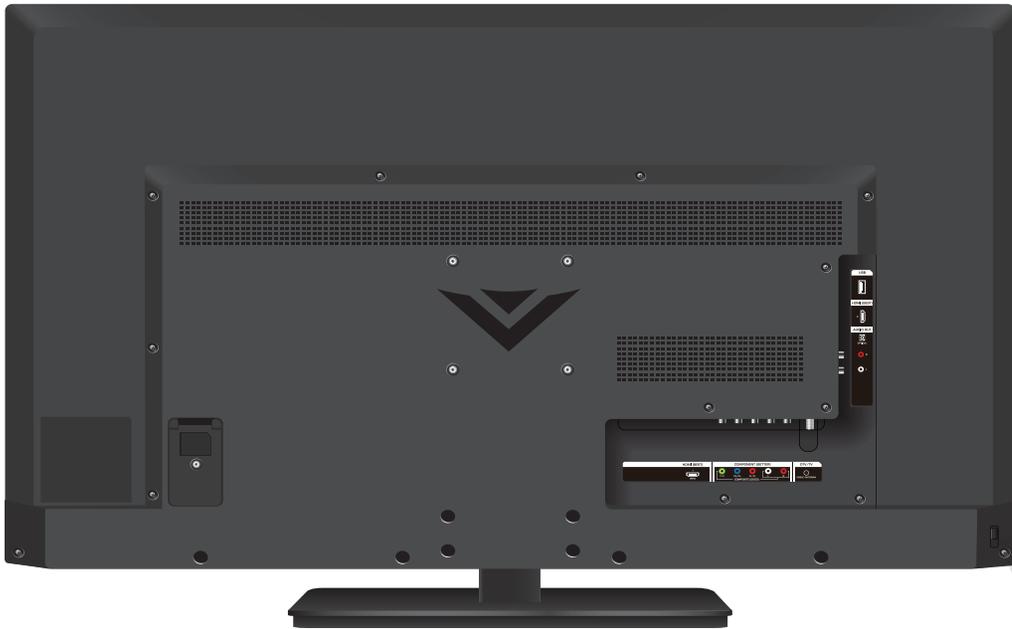
POWER - Press and hold to turn TV off or on.

INPUT - Press to change the input source.

SIDE 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"* on page 38.

FRONT PANEL

INPUT
Change the currently-displayed input.

A/V CONTROLS
Control USB media player.

CLOSED CAPTIONS
Open the closed caption menu.

EXIT
Close the on-screen menu.

OK
Select the highlighted menu option.

BACK
Go to the previous on-screen menu.

VOLUME UP/DOWN
Increase or decrease loudness of the audio.

MUTE
Turn the audio off or on.

NUMBER PAD
Manually enter a channel.

WIDE
Switch the display mode.

POWER
Turn the TV on or off.

INFO
Display the info window.

MENU
Display the on-screen menu.

ARROW
Navigate the on-screen menu.

GUIDE
Display the info window.

V BUTTON
Open the USB media player.

CHANNEL UP/DOWN
Change the channel.

LAST
Return to the channel last viewed.

DASH
Use with number pad to manually enter a digital sub-channel. (For example, 18-4 or 18-5.)

REMOTE CONTROL

Replacing the Batteries

1. Remove the battery cover.

2. Insert two batteries into the remote control. Make sure that the (+) and (-) symbols on the batteries match the (+) and (-) symbols inside the battery compartment.

3. Replace the battery cover.

CONNECTING A DEVICE

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. Turn the TV and your device off.

3. Connect the appropriate cable (not included) to the TV and the device.

4. Turn the TV and your device on. Set the TV's input to match the connection you used (HDMI-1, HDMI-2, etc.).

Cable/Satellite Box

DVD/Blu-ray Player   Game Console

BACK OF TV

USB

HDMI (BEST)

2

AUDIO OUT

OPTICAL

R

L

HDMI (BEST)

1

(ARC)

COMPONENT (BETTER)

Y/V   Pb/Cb   Pr/Cr   L   R

COMPOSITE (GOOD)

DTV/TV

CABLE/ANTENNA
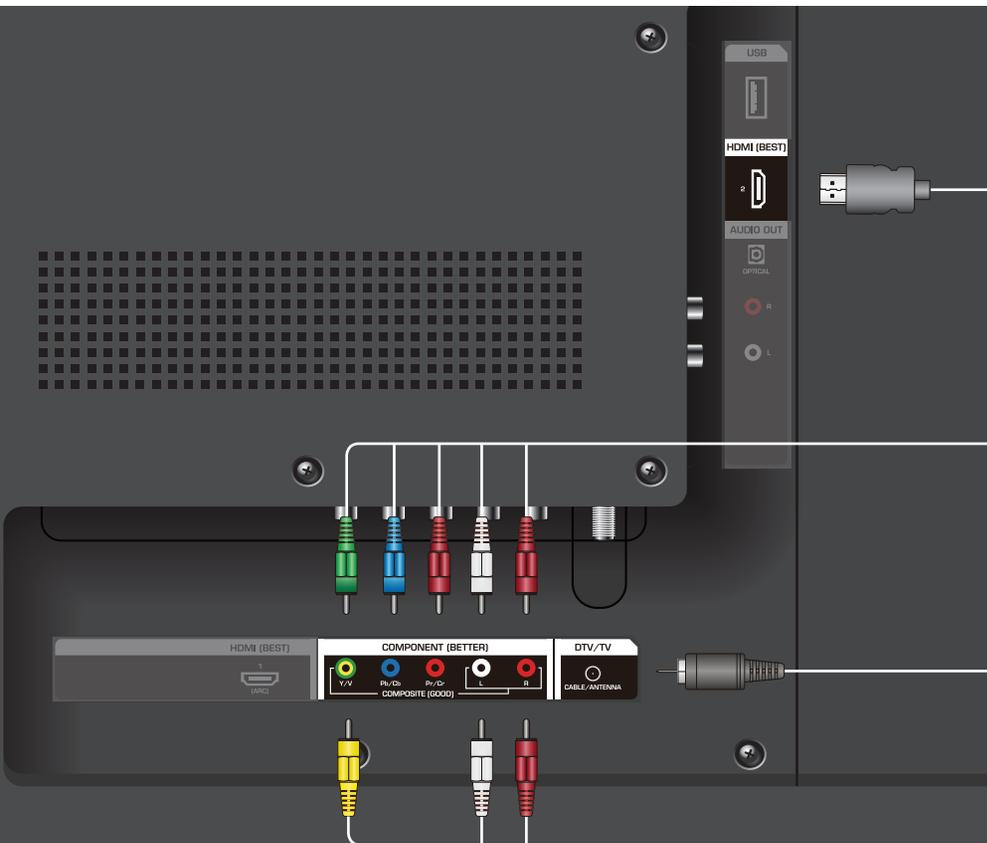
HDMI CABLE
BEST
- DIGITAL
- HD VIDEO (1080p) *
- HD AUDIO

COMPONENT CABLE
BETTER
- ANALOG
- HD VIDEO (1080i) *
- STEREO AUDIO

COAXIAL CABLE
BETTER
- ANALOG
- HD VIDEO (1080i) *
- STEREO AUDIO

AV CABLE
GOOD
- ANALOG
- VIDEO (480i) *
- STEREO AUDIO

12

* Maximum Resolution

CONNECTING A DEVICE - AUDIO AND VIDEO CABLE TYPES

AV CABLE

AV cables (or Composite cables) are the traditional way of connecting your devices to your TV. Video signals are sent over the yellow connector while audio is sent over the red and white connectors.

- **Video Resolutions up to 480i**
- **Analog Connection**
- **Audio and Video Signals**

Y   L   R

GOOD
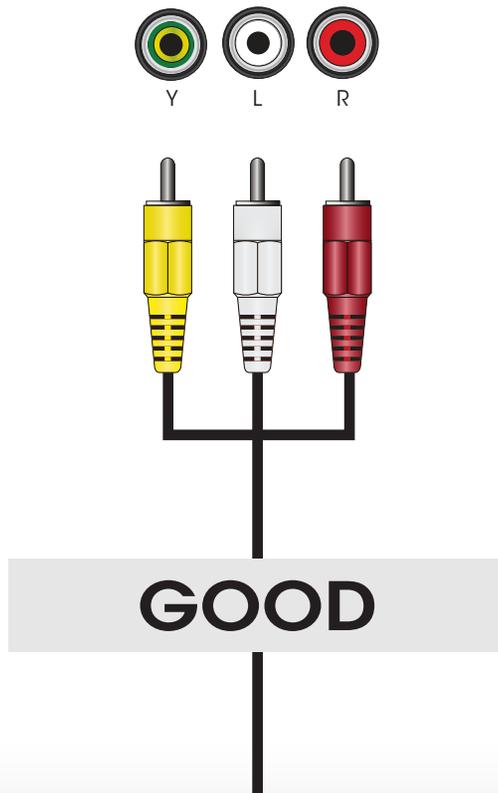
COAXIAL CABLE

Coaxial cables are the traditional way of connectiong antennas and cable television signals to your TV. Coaxial cables carry both audio and video signals through a single connector.

- **HD Video Resolutions up to 1080i**
- **Analog Connection**
- **Audio and Video Signals**

BETTER
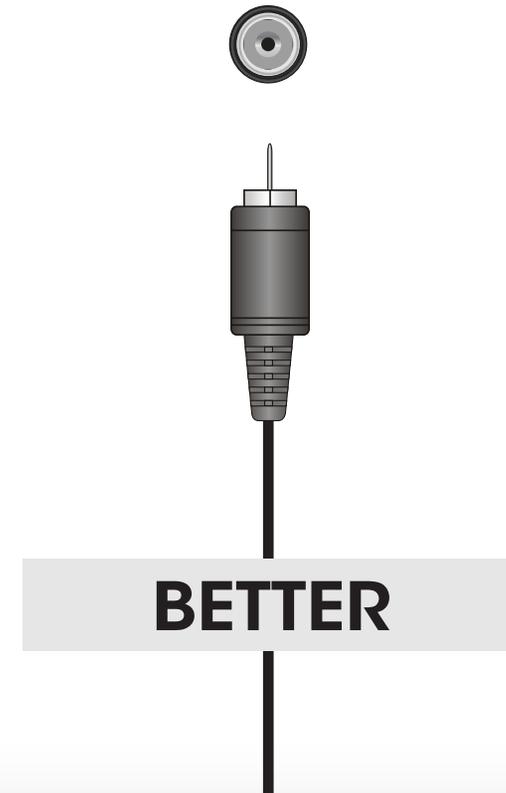
COMPONENT CABLE

Component cables are designed to carry high definition video signals along with additional audio connections. Colors are delivered with color information split up three different ways over three connectors for video (separated into Red, Blue and Green signals) and the left and right audio connectors (Red and White).

- **HD Video Resolutions up to 1080i**
- **Analog Connection**
- **Audio and Video Signals**

R   L   Pr/Cr   Pb/Cb   Y

BETTER
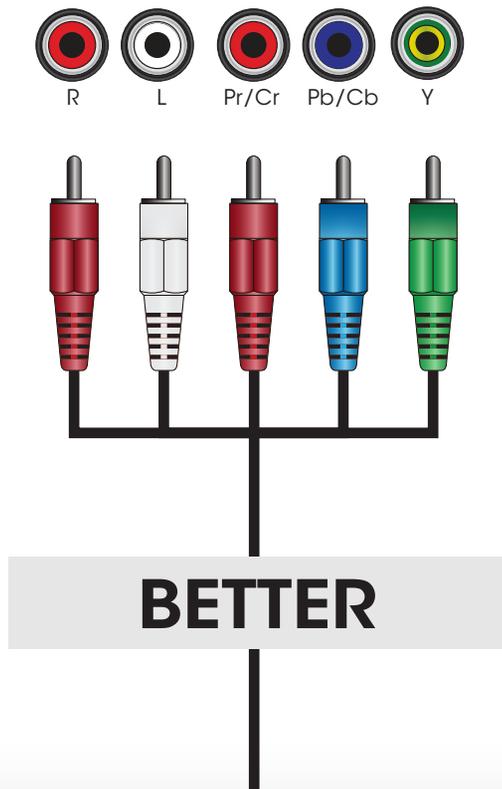
HDMI CABLE

HDMI is the intelligent, all-digital interface that delivers both dazzling quality and unmatched ease of use. HDMI technology transmits crystal-clear digital video along with multi-channel surround audio. HDMI-connected devices have the ability to automatically adjust themselves for optimal viewing.

- **HD Video Resolutions up to 1080p**
- **HD Audio**
- **Digital Connection**
- **Audio and Video Signals**

HDMI

BEST

CONNECTING AN AUDIO DEVICE

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

1. Verify that your device has an audio port that matches an available port on the TV (HDMI or RCA).

2. Turn the TV and your audio device off.

3. Connect the appropriate cable (not included) to the TV and the device.

4. Turn the TV and your device on.

Home Audio Receiver

VIZIO Sound Bar

USB

HDMI (BEST)
2

AUDIO OUT

OPTICAL

R

L
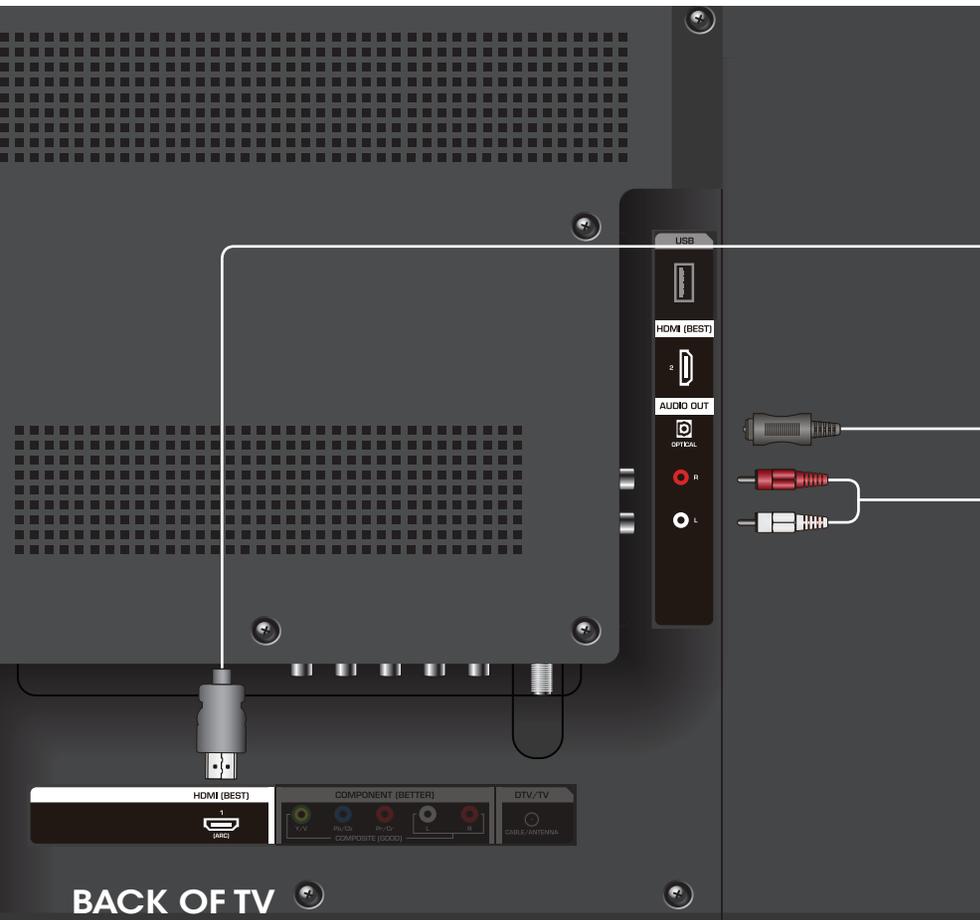
HDMI CABLE
BEST
- ARC 2-WAY COMMUNICATION
- 2.0-5.1 DIGITAL AUDIO
- PCM, DTS, DOLBY DIGITAL

OPTICAL/SPDIF CABLE
BETTER
- PCM STREAM
- DOLBY DIGITAL 5.1 CHANNEL
- DTS 5.1 CHANNEL

RCA CABLE
GOOD
- ANALOG STEREO CONNECTION
- 2.0 CHANNEL

HDMI (BEST)
1
(ARC)

COMPONENT (BETTER)
Y/V   Pb/Cb   Pr/Cr   L   R
COMPOSITE (GOOD)

DTV/TV
CABLE/ANTENNA

BACK OF TV

CONNECTING AN AUDIO DEVICE - AUDIO CABLE TYPES

RCA CABLE

AV cables (or Composite cables) are the traditional way of connecting your devices to your audio device. Audio signals are sent over the red and white connectors.

- **Quality Stereo Connection**
- **2.0 Channel**
- **Analog Connection**
- **Audio Signal Only**

L   R
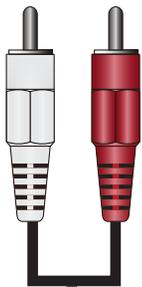
GOOD

OPTICAL/SPDIF CABLE

Optical/SPDIF cables transmit audio signals as pulses of light through a cable made of plastic fibers. Audio signals are digitally transmitted between devices.

- **PCM Stream (Lossless)**
- **Dolby Digital 5.1 Channel**
- **DTS 5.1 Channel**
- **Digital Connection**
- **Audio Signal Only**

Optical/SPDIF

BETTER

HDMI CABLE

HDMI technology transmits crystal-clear digital multi-channel surround audio through a single HDMI cable. Audio Return Channel-enabled (ARC) TVs allow audio to be sent over an already connected HDMI cable, eliminating the need for a separate audio cable. See *Connecting an Audio Device - ARC* on page 17.

- **ARC 2-way Communication (Auto setup)**
- **PCM, DTS, Dolby Digital**
- **2.0-5.1 Scaleable Lossless Digital Audio Connection**
- **Audio and Video Signals**

HDMI

BEST

CONNECTING AN AUDIO DEVICE - ARC

Without HDMI ARC
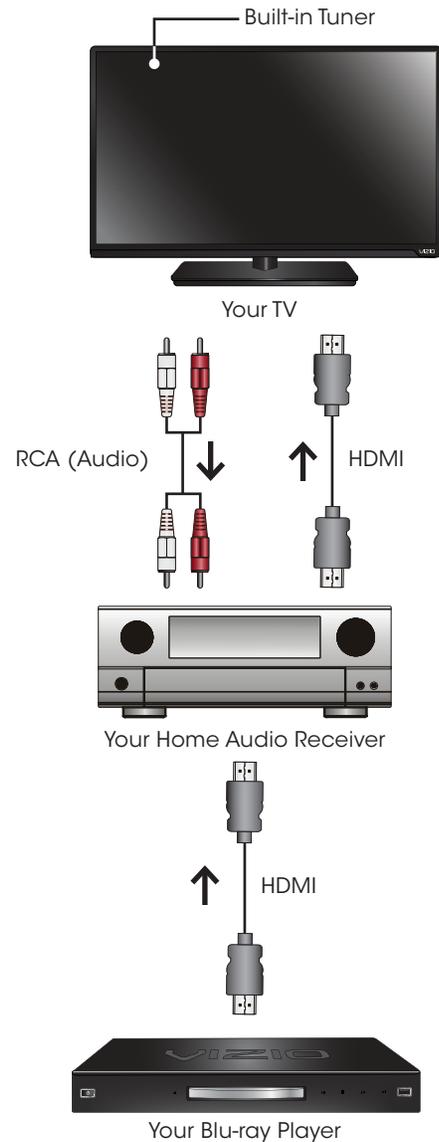
With HDMI ARC

Without an HDMI ARC setup, your TV will transmit audio signals from the built-in tuner to your home audio receiver through a separate audio connection.

Built-in Tuner

Your TV

RCA (Audio)

HDMI

Your Home Audio Receiver

HDMI

Your Blu-ray Player

Built-in Tuner

Your TV

HDMI

Your Home Audio Receiver

HDMI

Your Blu-ray Player
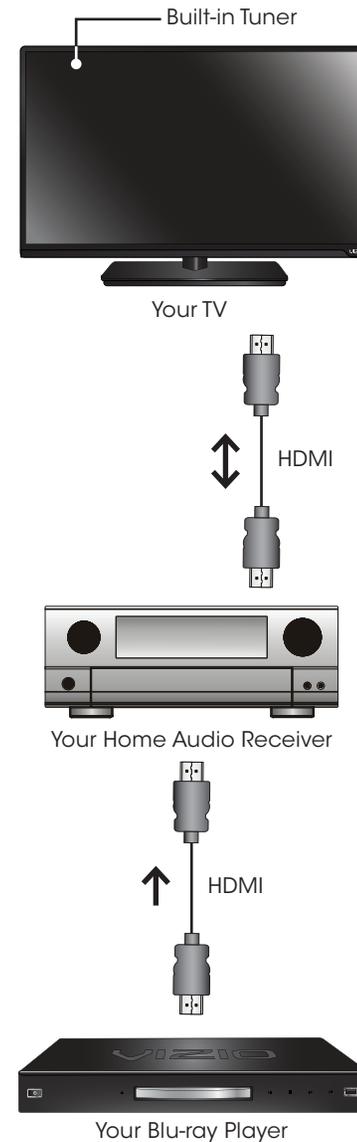
With an HDMI ARC setup, the audio connection between your TV and home audio receiver can be removed. The HDMI cable will transmit audio signals to and from your TV with an all-digital audio/video connection.

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.

To complete the first-time setup:

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

2. Press the **Right Arrow** button on the remote to highlight **Home Use,** and then press **OK**.
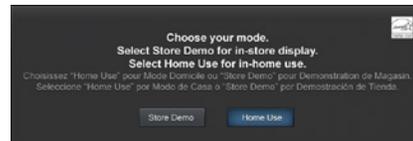
3. Use the **OK** and **Arrow Up/Down** buttons on the remote to select your language and country.

4. Use the **OK** and **Arrow Up/Down** buttons on the remote to highlight your time zone and press **OK**.
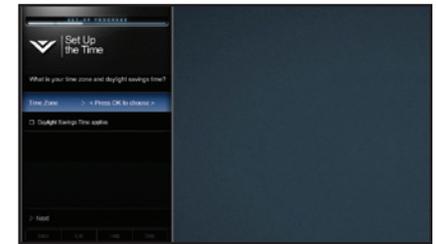
5. Use the **OK** and **Arrow Up/Down** Buttons on the remote to set whether daylight saving time applies in your locale.

    When you are finished, highlight **Next** and press **OK.**

6. Use the **Arrow** buttons on the remote to highlight how your TV is receiving signal and press **OK**.

    Follow the on-screen instructions to complete the channel scan.

7. When you have finished the channel scan, highlight **Exit to Live TV** and press **OK**.

    The First-Time Setup is complete.

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
- Activate the Sleep Timer
- Adjust the Tuner settings
- Set up Closed Captioning
- Name the TV Inputs
- Adjust TV Settings
- Access the Guided Setup
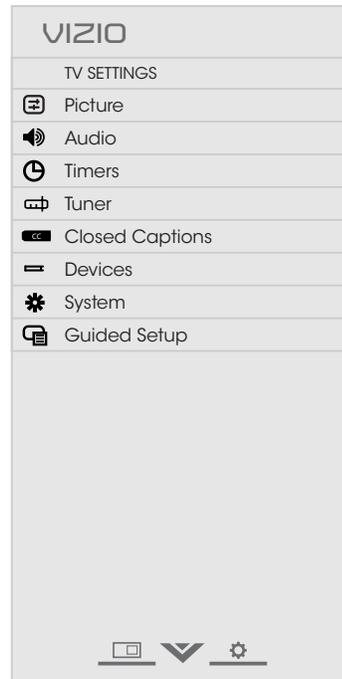
VIZIO

	TV SETTINGS
	Picture
	Audio
	Timers
	Tuner
cc	Closed Captions
	Devices
	System
	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.

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 in the on-screen menu.

To change the input device:

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.

TV

COMP

HDMI-1

HDMI-2

Note: Inputs may vary by TV.

CHANGING THE SCREEN ASPECT RATIO

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

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. 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.

   - **Stretch** expands the display image to fill the screen. Images may appear wider than intended. If you are watching widescreen (1.85:1 or 2.35:1) content, black bars will still appear on the top and bottom of the display image. **This option is only available when the TV is displaying a 720p/1080i source.**

   - **Panoramic** expands the display image to fill the screen. Images may appear wider than intended. If you are watching widescreen (1.85:1 or 2.35:1) content, black bars will still appear on the top and bottom of the display image. **This option is only available when the TV is displaying a 480i/480p source.**

   - **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. 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 with black bars to fit the screen.

Normal   Normal

Panoramic   Stretch

Wide   Wide

Zoom   Zoom

Note: Aspect ratio settings may vary by Input source.

ADJUSTING THE PICTURE SETTINGS

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

To adjust the picture settings:

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

2. Use the **Arrow** buttons on the remote to highlight **Picture** and press **OK**. The PICTURE menu is displayed.

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

   • **Standard mode** sets the various picture settings to values that meet ENERGY STAR® requirements.

   • **Calibrated mode** sets the picture settings to values perfect for watching TV in a brightly-lit room.

   • **Calibrated Dark mode** sets the picture settings to values perfect 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.

VIZIO	⌂
◁ PICTURE	
Picture Mode	Standard
Auto Brightness Control	Medium
Backlight	50
Brightness	50
Contrast	50
Color	50
Tint	0
Sharpness	0
Advanced	

Select from preset picture modes. Standard picture mode meets ENERGY STAR® requirements. For the best picture, use Calibrated mode. To reduce video delay (lag) when gaming, use Game mode.
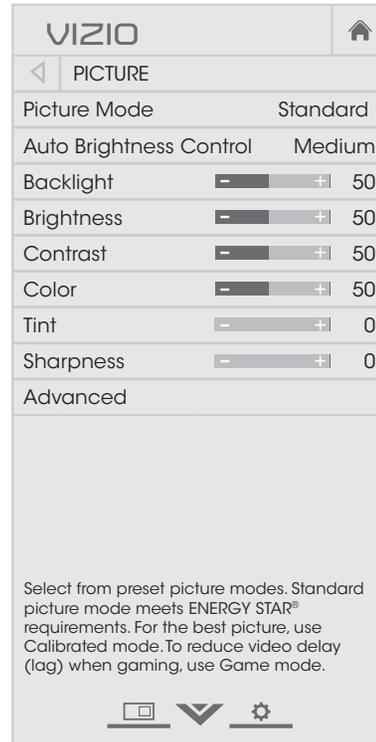
4. To manually change each of the picture settings, use the **Up/Down Arrow** buttons on the remote to highlight that picture setting, then use the **Left/Right Arrow** buttons to adjust the setting:

   • **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 Picture Size and Position

When displaying an image, the size and position of the display image can be adjusted. The size and position adjustments depend on signal source.

To adjust the picture size and position:

1. From the PICTURE menu, use the **Arrow** buttons on the remote to highlight **Advanced**, then press **OK**.

2. Use the **Arrow** buttons on the remote to highlight **Size & Position**, then press **OK**. The SIZE & POSITION 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:

   • **Horiz. Position** - Adjusts the horizontal (left/right) position of the display image.

   • **Vertical Position** - Adjusts the vertical (up/down) position of the display image.

   • **Horizontal Size** - Adjusts the width of the display image.

   • **Vertical Size** - Adjusts the height of the display image.

4. When you have finished adjusting the size and position, press the **EXIT** button on the remote.

VIZIO	⌂
◁ SIZE & POSITION	
Horiz. Position	32
Vertical Position	16
Horizontal Size	0
Vertical Size	0
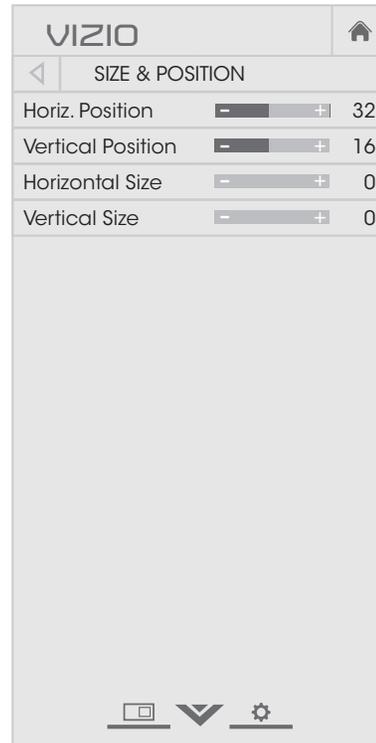
Adjusting the Color Temperature

Adjusting the color temperature will change the "warmness" or "coolness" of the white areas of the picture.

To adjust the color temperature:

1. From the PICTURE menu, use the **Arrow** buttons to highlight **Advanced**, then press **OK**.

2. Use the **Arrow** buttons on the remote to highlight **Color Temperature**, then press **OK**. The COLOR TEMPERATURE menu is displayed.

3. Use the **Arrow** buttons on the remote to highlight **Color Temperature**, then use the **Left/Right Arrow** buttons to change the color temperature preset:

   • **Cool** produces a blue-hued picture.

   • **Computer** optimizes the picture for use as a PC monitor.

   • **Normal** is optimized for television viewing.

   • **Custom** allows you to manually change each of the color temperature settings:

      Red/Green/Blue Gain - Adjusts the amount of each color in the display.

      Red/Green/Blue Offset - Adjusts the position of each color in the display.

4. When you have finished adjusting the color temperature, press the **EXIT** button on the remote.

VIZIO	⌂
◁ COLOR TEMPERATURE	
Color Temperature	Normal
Red Gain	128
Green Gain	128
Blue Gain	128
Red Offset	128
Green Offset	128
Blue Offset	128
Reset Color Temperature	

Resetting the Color Temperature Settings

To reset the Color Temperature settings:

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

2. Use the **Arrow** buttons to highlight **Color Temperature**, and then press **OK**. The COLOR TEMPERATURE menu is displayed.

3. Use the **Arrow** buttons to highlight **Reset Color Temperature**, then press **OK**. The TV displays, "Select Reset to restore factory default color temperature settings."

4. Highlight **Reset** and press **OK**.

5. Press the **EXIT** button on the remote.

Adjusting the Advanced Picture Settings

To adjust the advanced picture settings:

1. From the PICTURE menu, use the **Arrow** buttons on the remote to highlight **Advanced**, then press **OK**.

2. Use the **Arrow** buttons on the remote to highlight **Advanced Picture**, then press **OK**. The ADVANCED PICTURE menu is displayed.

VIZIO	⌂
◁ ADVANCED PICTURE	
Black Detail	Medium
Backlight Control	On
Reduce Signal Noise	Low
Reduce Block Noise	Low
Film Mode	Auto

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

    • **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. The adjustment is controlled by the content on the screen. Select On or Off.

    • **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.

    • **Film Mode** - Optimizes the picture for watching film. Select Auto or Off.

4. When you have finished adjusting the Advanced Picture Settings, press the **EXIT** button on the remote.

Resetting the Picture Settings

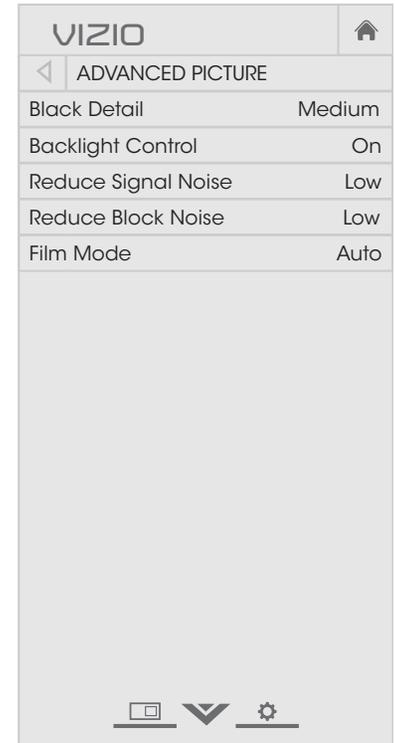To reset the picture settings to the factory default settings:

1. From the PICTURE menu, use the **Arrow** buttons to highlight **Advanced**, then press **OK**.

2. Use the **Arrow** buttons on the remote to highlight **Reset Picture Mode**, then press **OK**. The TV displays, "Select Reset to restore factory default picture settings.".

3. Highlight **Reset** and press **OK**.

4. 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**.

VIZIO	⌂
◁ AUDIO	
TV Speakers	On
Surround Sound	On
Volume Leveling	On
Balance	▬▬▭ ▬+▭
Lip Sync	▭ ▬+▭
Digital Audio Out	PCM
Analog Audio Out	Fixed
Equalizer Settings	
Reset Audio Mode	

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

• **Surround Sound** - DTS Studio Sound™ is a feature-rich surround sound solution which delivers an immersive surround sound experience from the TV's internal speakers. Additionally, Studio Sound completes the entertainment experience by maintaining a steady volume while watching programming and movies, providing deep, rich bass, and delivering crisp details and clear, intelligible dialog. Select **On** or **Off**.

• **Volume Leveling** - DTS TruVolume™ maintains consistent volume levels during transitions between program content, AV formats and input sources. 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 the Optical 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 analog RCA (red/white) connectors when connected to a home theater audio system. Select **Variable** to control the external speakers' volume from the TV's volume controls, or select **Fixed** to control the external speakers' volume from your home theater system controls.

• **Equalizer Settings** - Adjusts the boost or attenuation of different frequencies. Change the audio mode by selecting **Flat**, **Dynamic**, **Center**, **Bass Boost**, or **Bright**.

• **Reset Audio Mode** - Restores the audio settings to the factory defaults. See *Resetting the Audio Settings* on page 26.

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

Resetting the Audio Settings

To reset the audio settings to the factory default settings:

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

2. Use the **Arrow** buttons on the remote to highlight **Audio** and press **OK**. The AUDIO menu is displayed.

3. Use the **Arrow** buttons to highlight **Reset Audio Mode** and press **OK**. The TV displays, "Select Reset to restore factory default audio settings."

4. Highlight **Reset** and press **OK**.

5. Press the **EXIT** button on the remote.

ACTIVATING THE SLEEP TIMER

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

To use the sleep timer:

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 Arrow buttons on the remote to highlight **Sleep Timer**.

4. 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**.

5. When you have finished setting the sleep timer, press the **EXIT** button on the remote.

VIZIO	⌂
◁ TIMERS	
Sleep Timer	Off
Auto Power Off	10 minutes
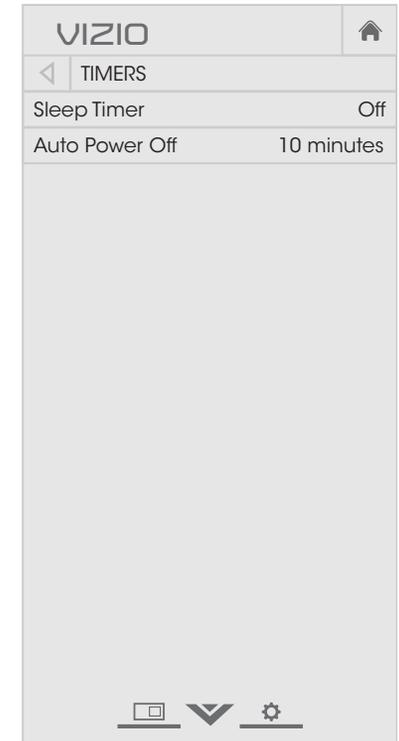
Setting the Auto Power Off Feature

To help save energy, your TV is set by default to turn off after 10 minutes if no signal is being displayed on the screen. This feature can be deactivated.

To set the Auto Power Off feature:

1. From the TIMER 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 THE TUNER

You can use the TV's Tuner menu to:

- Select a Tuner Input
- Perform an Auto Channel Scan
- Perform a Partial Channel Scan
- Manually Add Channels
- Select channels to skip
- Select Analog MTS modes
- Select Digital Languages

VIZIO	⌂
◁ TUNER	
Tuner Mode	Antenna
Auto Channel Scan	
Partial Channel Search	
Add Analog Channel	
Skip Channel	
Analog Audio	Stereo
Digital Language	English

Selecting a Tuner Input

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 TUNER menu, highlight **Tuner Mode** and press **OK**. The TUNER MODE menu displays.

2. Highlight **Antenna** or **Cable** and press **OK**. Press **EXIT**.

Scanning for Channels

Before the TV can detect and display channels and their associated information, you must scan for channels. A channel scan may also be necessary when the TV has been moved to an area where different free-to-air broadcast television channels are available.

To perform an Auto Channel Scan:

1. From the TUNER menu, highlight **Auto Channel Scan**, and press **OK**. The 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.

VIZIO

⊲ CHANNEL SCAN

Channel Scan

Digital Channels: 0

Analog Channels: 0

13% Complete

Cancel

Cancel the channel scan.
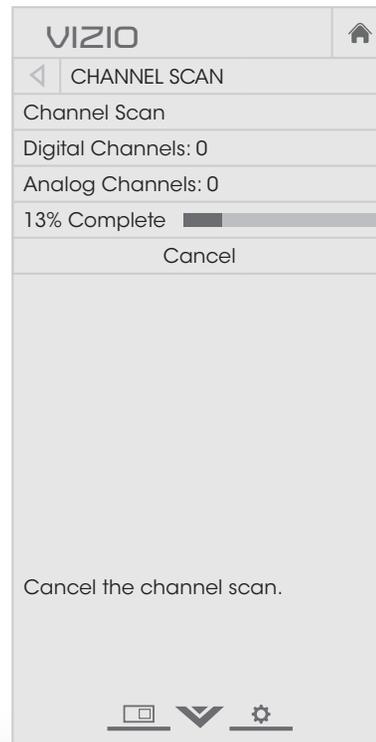
Adding New Channels

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.

To add a range of new channels:

1. From the TUNER 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 TUNER 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.

VIZIO	⌂
◁ ADD ANALOG CHANNEL	
Enter Channel #	▢
Add Channel	
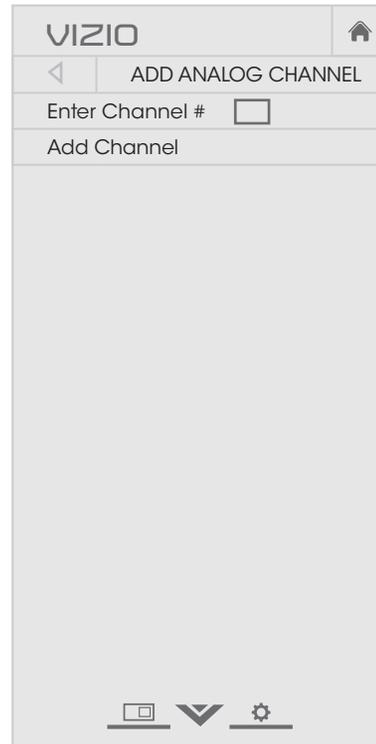
Skipping Channels

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.

⚠ 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* on page 35.

To remove a channel:

1. From the TUNER 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.

VIZIO		⌂
◁	SKIP CHANNEL	
1	Test 0	▢
1	Test 1	☑
1-2	Test 2	☑
2	Test 3	▢
2-2	Test 4	☑
2-3	Test 5	▢
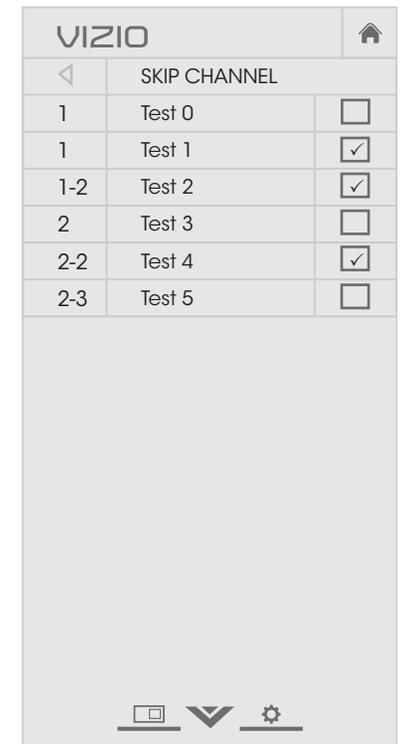
Changing the Audio Language

Some digital free-to-air, cable, and satellite channels broadcast programs in more than one language. The Analog Audio and Digital Language features allow you to listen to audio from Secondary Audio Programming (SAP). SAP allows you to listen to broadcasts in multiple languages.

- Analog Audio works with analog channels.
- Digital Language works with digital channels.

⚠️ Not all programs are broadcast in multiple languages. The Analog Audio and Digital Language features only works when the program being viewed is being broadcast in the language you select.

To use the Analog Audio feature:

1. From the TUNER 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.

VIZIO	🏠
◁ ANALOG AUDIO	
Stereo	
SAP	
Mono	
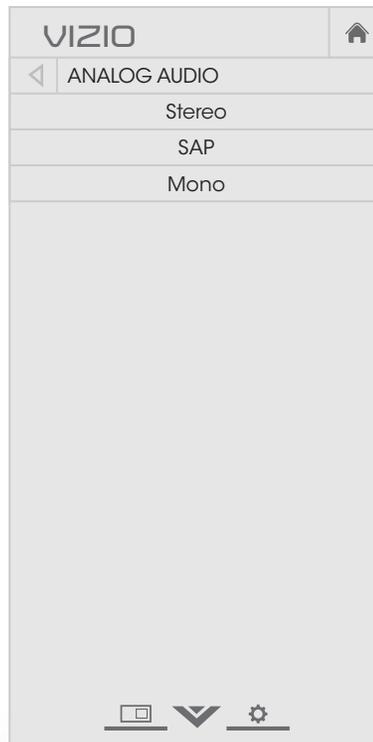
To use the Digital Language feature:

1. From the TUNER 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.

VIZIO	🏠
◁ DIGITAL LANGUAGE	
English	
Español	
Français	

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.

> If the program you are viewing is not being broadcast with closed captions, the TV will not display them.

The Closed Captioning menu only appears when the input is an antenna for Over-the-Air signals, cable TV directly from the wall (no cable box), or a device with a composite video connection.

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 **Up/Down Arrow** buttons on the remote to highlight **Captions**, then use the **Left/Right Arrow** buttons to select **On** or **Off**.

VIZIO	⌂
◁ CLOSED CAPTIONS	
Captions	Off
Analog Closed Captions	CC1
Digital Closed Captions	CS1
Digital Closed Captions Style	

4. Use the **Arrow** buttons on the remote to highlight the type of closed captions you wish to see:
   - **Analog Closed Captions** for analog (NTSC) TV channels.
   - **Digital Closed Captions** for digital (ATSC) TV channels.

5. After highlighting the type of closed captions you wish to see, use the **Left/Right Arrow** buttons on the remote to select the caption channel you wish to display, then press **EXIT**.

Changing the Appearance of Digital Closed Captions

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

To change the appearance of digital closed captions:

1. From the CLOSED CAPTIONS menu, use the **Arrow** buttons to highlight **Digital Closed Captions Style** and press **OK**.

2. Use the **Left/Right Arrow** buttons on the remote to select **Custom**. The DIGITAL CLOSED CAPTIONS 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:

VIZIO	⌂
◁ DIGITAL CLOSED CAPTIONS STYLE	
Caption Style	Custom
Text Style	As Broadcast
Text Size	As Broadcast
Text Color	As Broadcast
Text Opacity	As Broadcast
Text Edges	As Broadcast
Text Edges Color	As Broadcast
Background Color	As Broadcast
Background Opacity	As Broadcast
Window Color	As Broadcast
Window Opacity	As Broadcast

- **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.

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

Typical choices include:

- Transparent background, opaque window—The entire window remains filled with color, while the text appears in it. The area covered by the window stays the same until the signal from the TV or a device moves it out of the way of a changing picture.
- Opaque background, transparent window—Only a strip of background appears behind the text. There is no window to block the picture.

Text   **Background (BG)**

Closed caption text sample

VIZIO

Window
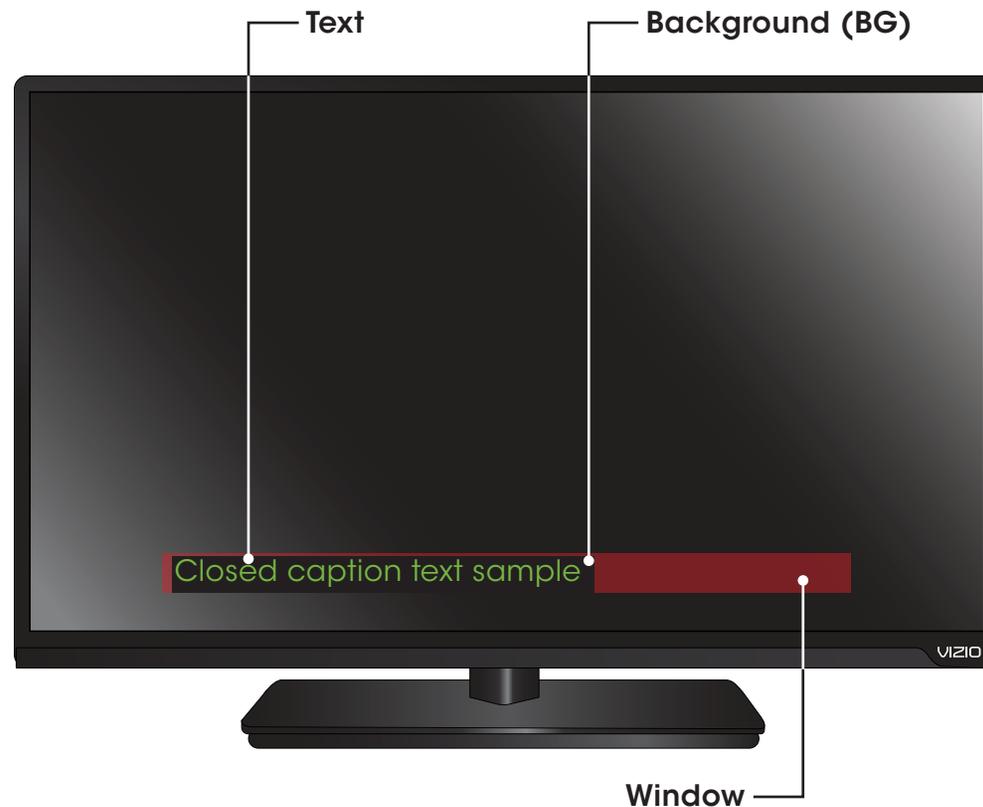
CLOSED CAPTIONS SCREEN LAYOUT

SETTING UP DEVICES

To make it easier to recognize the different devices attached to the inputs on your TV, you can rename the inputs. For example, if you have a DVD player connected to the Component input, you can rename that input to display "DVD Player".

To change the name of an input:

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

2. Use the **Up/Down Arrow** buttons on the remote to highlight **Devices** and press **OK**. The DEVICES menu is displayed.

3. Use the **Up/Down Arrow** buttons on the remote to highlight the Input you wish to name and press **OK**. The NAME INPUT menu is displayed.

VIZIO	⌂
◁ DEVICES	
HDMI-1	Blu-ray
HDMI-2	
COMP	
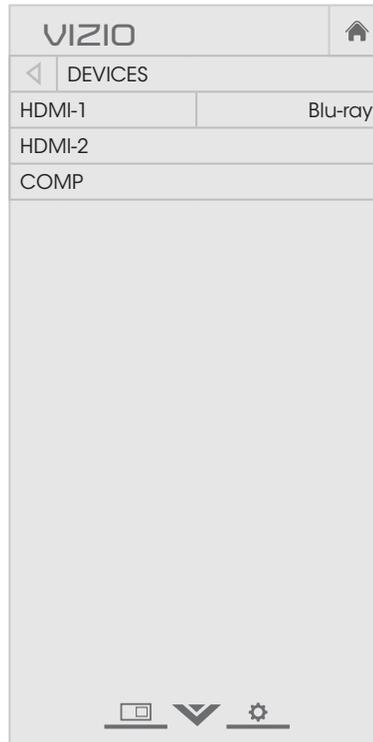
4. If you would like to use a preset input label, highlight Input Labels and press **OK**. Highlight the input label you want to use and press **OK**.

   If you would like to name the input yourself, highlight the field below Input Labels. Enter your custom label using the on-screen keyboard and highlight **OK** and press **OK**.

5. When you have finished naming your input, press the **EXIT** button on the remote.

VIZIO	⌂
◁ NAME INPUT	
Input Labels	HDMI-1
Blu-ray_	

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

.@# ⇧ .com   Space   ⌫

OK

Cancel

Select the input name from a list of common device names (Blu-ray, Cable Box, DVD, etc).

CHANGING THE TV SETTINGS

Using the system menu, you can:

- View the System Information
- Set up Parental Controls
- Change the on-screen menu language
- Set the time zone and local settings
- Adjust the CEC settings
- Adjust the Power Indicator settings
- Reset TV Settings & Set up Admin Controls

VIZIO	⌂
◁ SYSTEM	
System Information	
Menu Language	English
Time and Local Settings	
Parental Controls	
CEC	
Power Indicator	Off
Reset & Admin	

Displaying System Information

To display a summary of the TV settings:
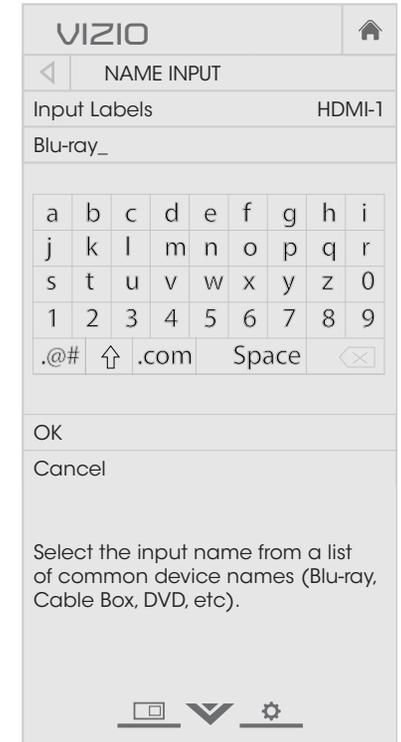
1. Press the **MENU** button on the remote. The on-screen menu is displayed.

2. Use the **Arrow** buttons on the remote to highlight **System** and press **OK**. The SYSTEM menu is displayed.

3. Highlight **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.

Using the Parental Controls

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

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 passcode. If you have not set a passcode, enter the default, **0000**. The PARENTAL CONTROLS menu is displayed.

> To set a custom parental passcode, see *Changing the Parental Control Passcode* on page 36.

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 passcode 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.

> 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.

   CAN-ENGLISH - Canadian English television program broadcasts.

   CAN-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 Passcode

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

To change the parental control passcode:

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 passcode.

3. In the **Confirm PIN** field, use the **Number Pad** on the remote to re-enter your new 4-digit parental control passcode.

4. Write down your new parental control passcode 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, "Are you sure you want to RESET ALL LOCKS SETTINGS to the factory defaults?"

2. Highlight **Yes** and press **OK**.

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.

VIZIO	⌂
◁ MENU LANGUAGE	
English	
Español	
Français	
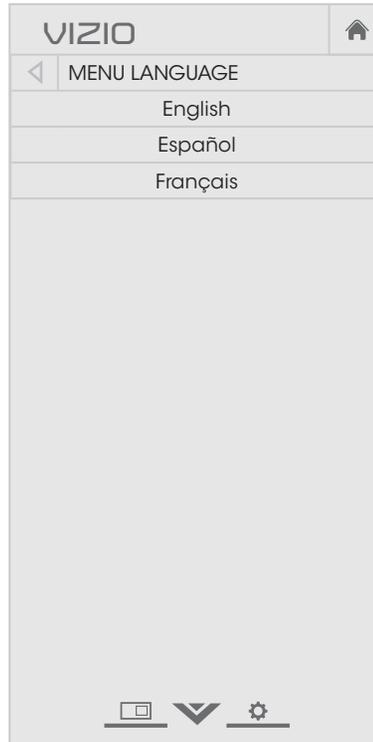
Setting the Time Zone

To ensure the correct time is displayed when you press the **GUIDE** 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 and Local Settings** and press **OK**. The TIME AND LOCAL SETTINGS menu 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** and press **OK**. The DAYLIGHT SAVING menu is displayed. Choose **On** if your locale observes daylight savings time, or **Off** if it does not.

7. Press the **EXIT** button on the remote.

VIZIO	⌂
◁ TIME ZONE	
Alaska	
Hawaii	
Pacific	
Mountain	
Central	
Eastern	
Atlantic	
Newfoundland	
Indiana	
Arizona	

Adjusting the CEC Settings

The CEC function on your TV enables you to control HDMI-connected devices with the included remote without any additional programming.

⚠ Not all HDMI devices support CEC. See your device's user manual for details.

To enable, disable, or adjust CEC 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 **CEC** and press **OK**. The CEC menu is displayed.

4. Use the **Arrow** and **OK** buttons to adjust each setting:

   • **CEC Function** - To use CEC, you must select **On**.

   • **System Audio Control** - When system audio control is on, you can control your device's audio using the TV's remote control.

   • **Device Discovery** - Use this function to determine if your device is connected and supports CEC.

5. Press the **EXIT** button on the remote.

Turning the Power Indicator On or Off

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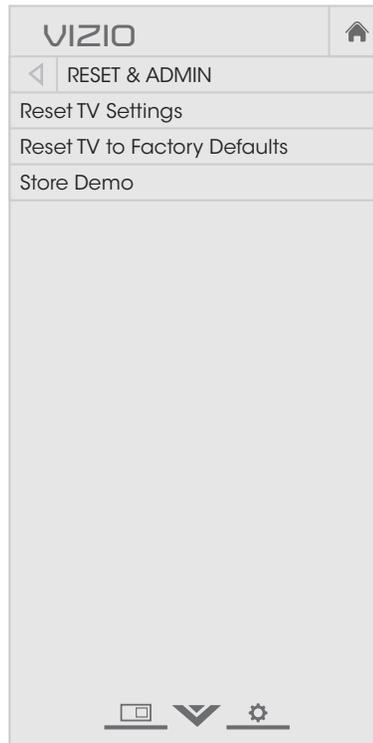
To turn the Power Indicator Light on or off:

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

2. Use the **Arrow** buttons on the remote to highlight **System** and press **OK**. The SYSTEM menu is displayed.

3. Highlight **Power Indicator** and press **OK**.

4. Use the **Up/Down Arrow** buttons to select **On** or **Off**, then press **OK**.

USING THE RESET & ADMIN MENU

You can use the TV's Reset & Admin menu to:

- Reset the TV settings
- Restore the TV to its factory default settings
- Start the Store Demo

VIZIO 🏠

◁ RESET & ADMIN

Reset TV Settings

Reset TV to Factory Defaults

Store Demo

Resetting the TV Settings

To reset the TV's picture and 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 **System** and press **OK**. The SYSTEM menu is displayed.

3. Highlight **Reset & Admin** and press **OK**. The RESET & ADMIN menu is displayed.

4. Highlight **Reset TV Settings** and press **OK**. The TV displays, "Select Reset to restore video and audio settings to the factory defaults."

5. Highlight **Reset** and press **OK**.

6. Press the **EXIT** button on the remote.

Resetting the TV settings will reset Audio and Video settings only.

Restoring the TV to Factory Default Settings

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

⚠️ If you restore the TV to the factory default settings, all changes you have made to the settings will be lost!

To restore the TV to its factory default settings:

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

2. Use the **Arrow** buttons on the remote to highlight **System** and press **OK**. The SYSTEM menu is displayed.

3. Highlight **Reset & Admin** and press **OK**. The RESET & ADMIN menu is displayed.

4. Highlight **Reset TV to Factory Defaults** and press **OK**.

5. Enter your parental control passcode. If you have not yet set up a parental passcode, enter the default, **0000**.

   The TV displays, "Select Reset to restore all TV settings to factory defaults.".

6. Highlight **Reset** and press **OK**.

7. Wait for the TV to turn off. The TV will turn back on shortly afterward and the Setup App will begin.

USING THE GUIDED SETUP MENU

Using Guided Setup

The TV's Setup App can be used to easily set up the TV tuner.

To use guided setup:

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

2. Highlight **Guided Setup** and press **OK**. The GUIDED SETUP menu is displayed.

3. Highlight the guided setup you want to use and press **OK**:

   • **Tuner Setup** - Set up the TV tuner.

4. Follow the on-screen instructions. When finished, press the **EXIT** button on the remote.

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◁   GUIDED SETUP

Tuner Setup
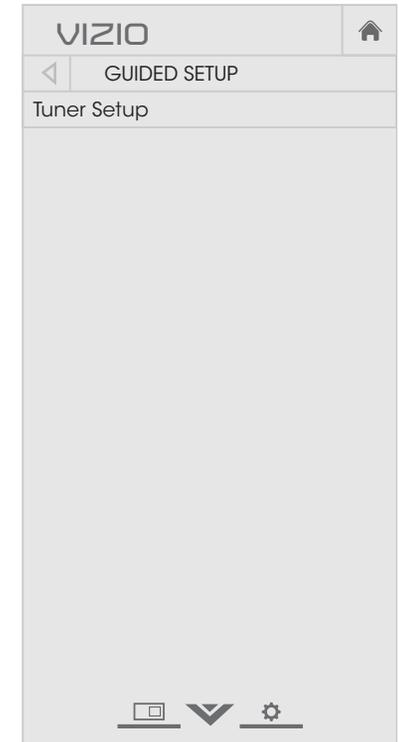
USING THE INFO WINDOW

The Info Window can be displayed by pressing the **INFO** or **GUIDE** button on the remote:

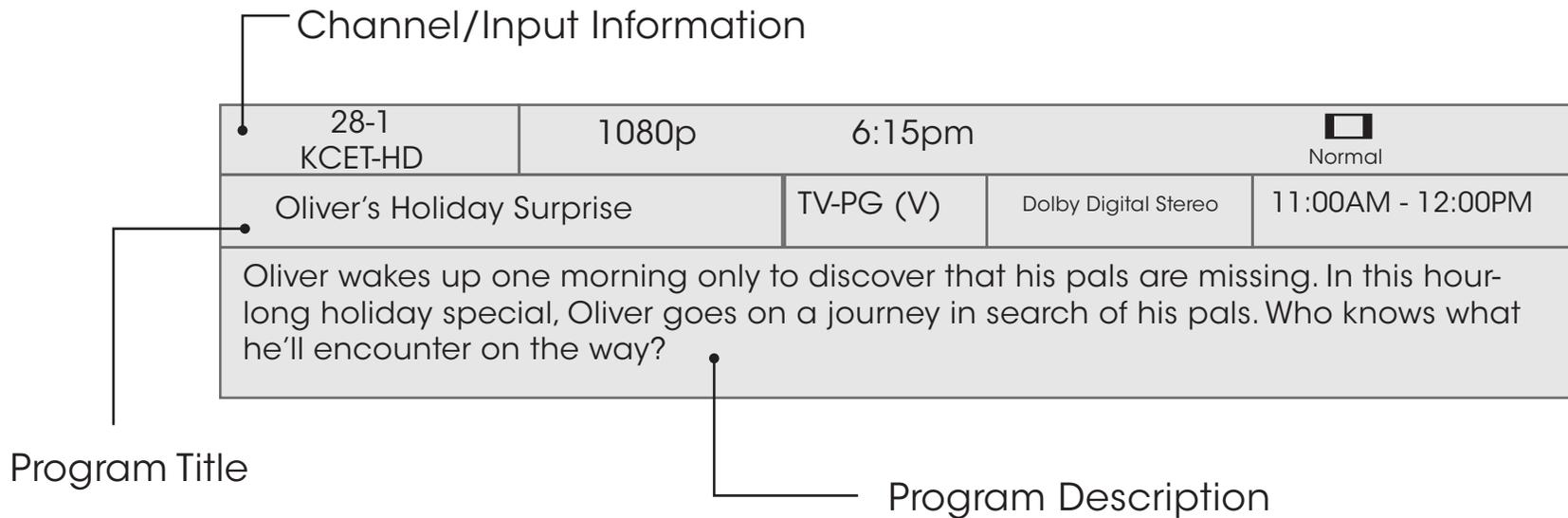- Press the **INFO** or **GUIDE** button one time to display channel, input, and display information.

- Press the **INFO** or **GUIDE** button two times to display the program title, program rating, audio information, and the start and end times of the program.

Channel/Input Information

28-1 KCET-HD	1080p	6:15pm	Normal
Oliver's Holiday Surprise	TV-PG (V)	Dolby Digital Stereo	11:00AM - 12:00PM
Oliver wakes up one morning only to discover that his pals are missing. In this hour-long holiday special, Oliver goes on a journey in search of his pals. Who knows what he'll encounter on the way?			

Program Title

Program Description

DIGITAL EPISODE GUIDE WINDOW

USING THE USB MEDIA PLAYER

The USB Media Player allows you to connect a USB thumb drive to your TV and view photos.

USB PORT
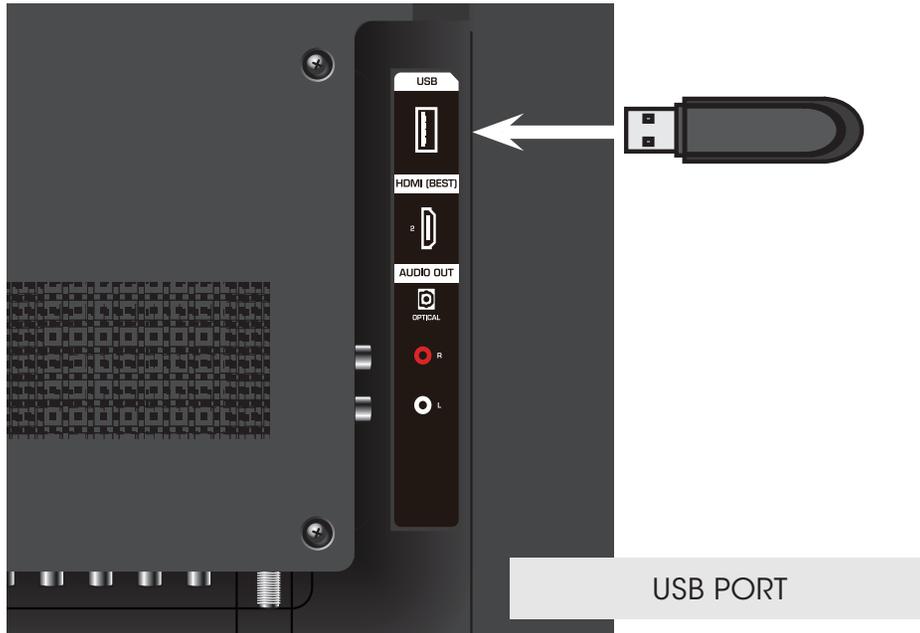
Preparing Your USB Drive to Play USB Media

To play USB media, you must first save your photos 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 (.jpg or .jpeg.).

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

Playing 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 **Yes** and press the **OK**.

> If the dialog box disappears, press the **V button** on the remote to go to the next step.

3. Use the **Arrow** buttons to highlight your USB device in the list and press **OK**.

4. Use the **Arrow** buttons to highlight **Photo** and press **OK**.

5. Use the **Arrow** buttons to highlight the photo you want to display. Press **OK**. The photo displays.

> 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

> ⚠ Do not remove the USB thumb drive while the TV is on. Doing so may damage the drive.

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.

Back Button
Highlight this button and press **OK** to return to the previous screen.

Back Button
Highlight and press **OK** to return to left column.

Current Folder
Displays the folder path.

Folder Contents

This area displays the contents of the currently selected folder. You can browse files and folders using the **Arrow** and **OK** buttons on the remote.

Connected Sources
Displays connected USB devices.
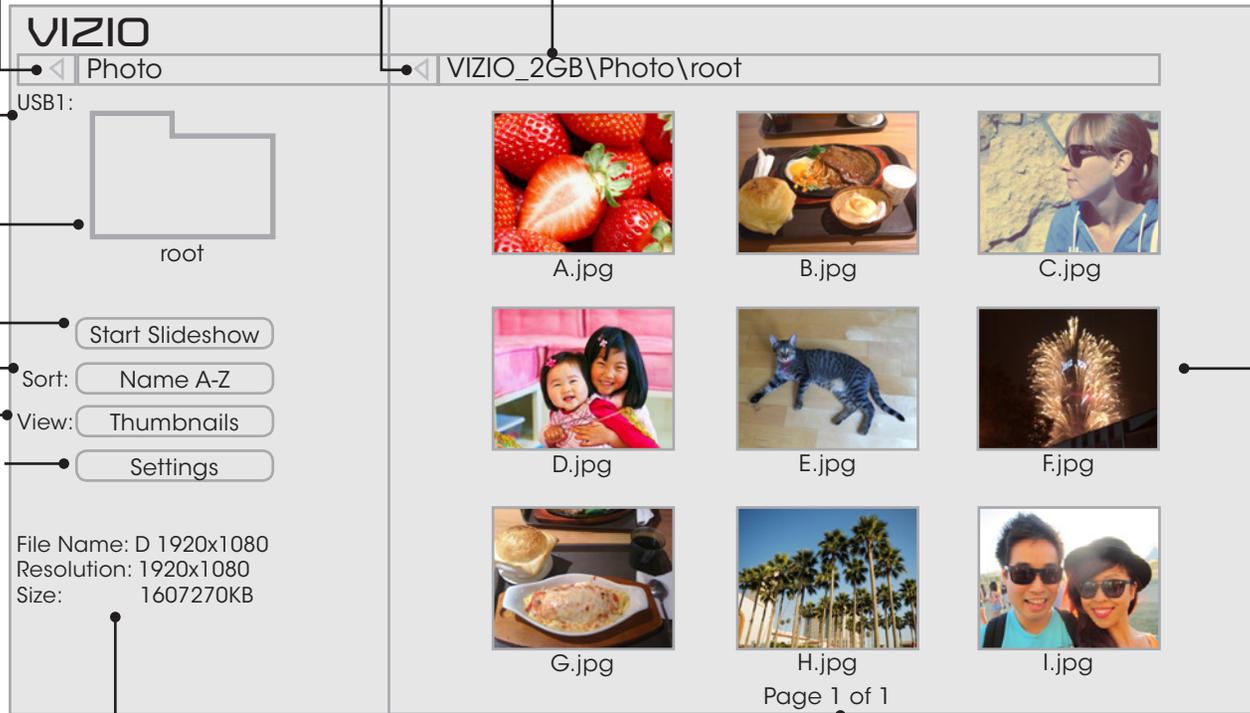
Current Folder

Start Fullscreen Slideshow

Sort by Name or Date

View Thumbnails/Folders

Adjust Slideshow Settings

VIZIO

◁ Photo

◁ VIZIO_2GB\Photo\root

USB1:

root

Start Slideshow

Sort: Name A-Z

View: Thumbnails

Settings

File Name: D 1920x1080
Resolution: 1920x1080
Size: 1607270KB

A.jpg   B.jpg   C.jpg

D.jpg   E.jpg   F.jpg

G.jpg   H.jpg   I.jpg

Page 1 of 1

Photo Information

Displays the name, resolution, and file size of the currently selected photo.

Page Information

If your USB thumb drive has more files than can be displayed on a single screen, the page information is displayed here.

PHOTO VIEWER

DO YOU HAVE QUESTIONS?

LET US HELP!

YOUR PRODUCT INCLUDES FREE LIFETIME TECH SUPPORT

The VIZIO support team is highly trained and is based in the United States.

We can help with:

- New Product Setup
- Connecting Your Devices
- Technical Problems
- And More

Phone: (877) 878-4946 (TOLL-FREE)
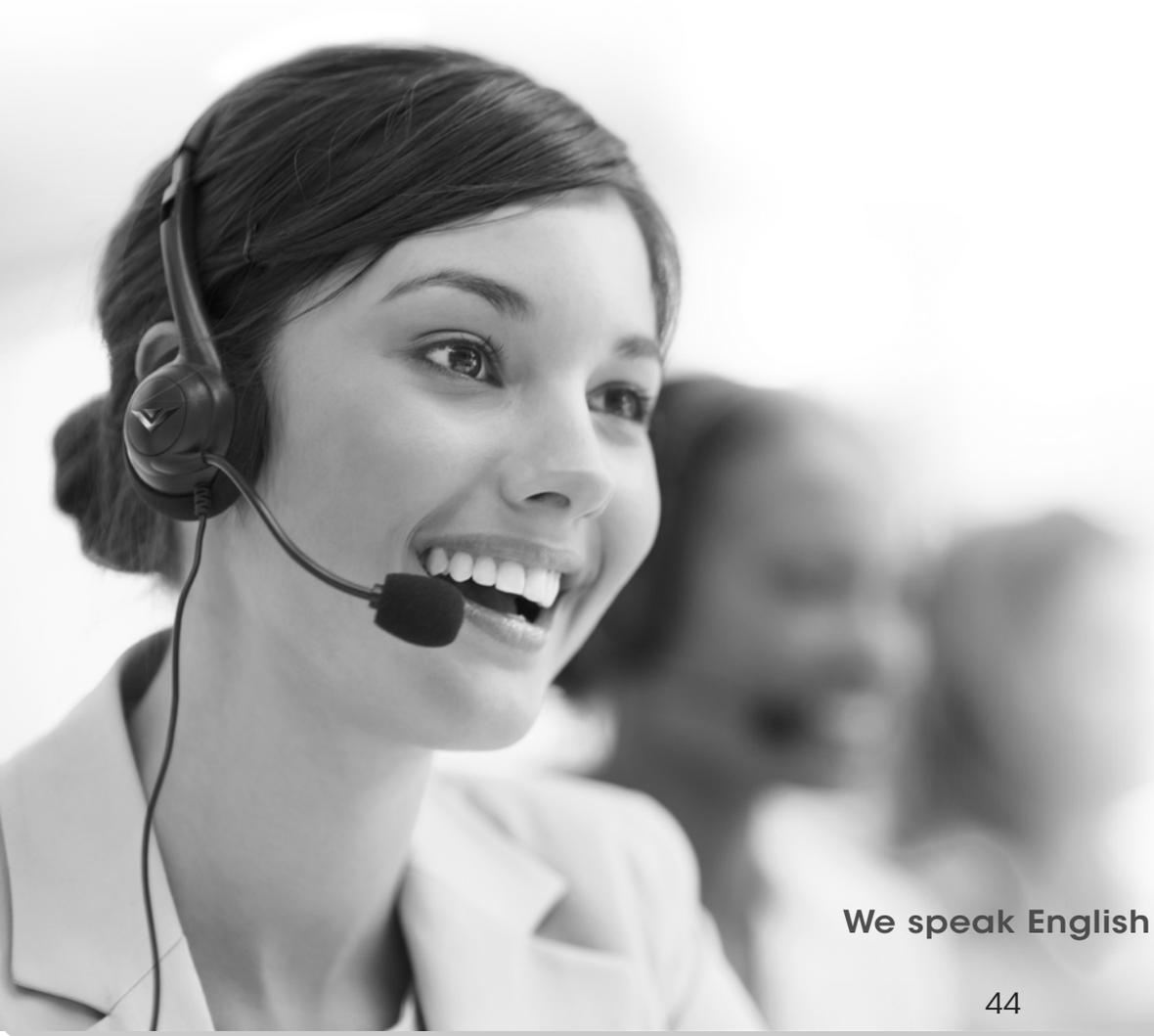Email: techsupport@VIZIO.com
Web: www.VIZIO.com/support

Hours of operation:
Monday - Friday: 5 AM TO 8 PM (PST)
Saturday - Sunday: 7 AM TO 4 PM (PST)

We speak English • Se habla Español • Nous parlons Français

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, satellite, or an antenna connected directly to the TV, scan for channels. See *Scanning for Channels on page 28.*

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 side 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 on page 21*.
- 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 on page 25.*
- Ensure the speakers are set to On.
- Check the audio connections of external devices (Blu-ray player, game console, cable/satellite box) that are connected to the TV.
- If you are using an antenna, the signal strength of the channel may be low. Ensure your antenna is connected securely to the TV and move the antenna around the room or close to a window for the best signal.

The sound is flat or dialog is not audible.

- Turn off Volume Leveling. See *Adjusting the Audio Settings on page 25.*

The colors on the TV don't look right.

- Adjust the Color and Tint settings in the Picture menu. See *Adjusting the Picture Settings* on page 21.
- Reset the picture settings. See *Resetting the Picture Settings on page 24.*
- Check all cables to ensure they are securely attached.

The buttons on the remote aren't working.

- Ensure you are only pressing one button at a time.
- Point the remote directly at the TV when pressing a button.
- Replace the remote batteries with new ones. See *Replacing the Batteries on page 11.*

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.

- Nearby electrical devices may be interfering with the TV. 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.

- Set the TV image mode so that the picture fills the screen. Press the **WIDE** button on the remote until the screen is filled, and then press **OK**.

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

- Your HDTV 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 volume changes.

- The TV remembers the volume level on each input source. If the volume level on the new input source is higher or lower than the level on the source you switch from, the difference may be noticeable.
- Use the Volume Up/Down buttons on the remote to adjust the volume.

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

- The TV remembers the viewing mode on each input source. If the viewing mode on the new input source differs from the one on the input source you switch from, the difference may be noticeable.
- See *Changing the Screen Aspect Ratio on page 20.*

	E400-B2	E480-B2
Screen Size:	40" Class	48" Class
Viewable Area:	40"	48"
Dimensions w/ Stand: w/o Stand:	36.13" x 22.87" x 7.48" 36.13" x 21.19" x 2.48"	42.54" x 26.67" x 8.27" 42.54" x 24.86" x 2.48"
Weight w/ Stand: w/o Stand:	17.18 lbs 15.42 lbs	24.23 lbs 20.93 lbs
TV Type:	D-LED	D-LED
Refresh Rate:	120 Hz	120 Hz
Maximum Resolution:	1920 x 1080 (1080p)	1920 x 1080 (1080p)
Pixel Pitch:	0.461 mm (H) x 0.461 mm (V)	0.549 mm (H) x 0.549 mm (V)
Dynamic Contrast Ratio:	200,000:1	200,000:1
Response Time:	8 ms	8 ms
Brightness:	300 nits	300 nits
Viewing Angle:	178° (H) / 178° (V)	178° (H) / 178° (V)
HDMI Inputs:	2	2
Component Video Inputs:	1	1
Composite Inputs:	1 (Shared with Component)	1 (Shared with Component)
RF Antenna Input:	1	1
USB 2.0 Ports:	1	1
Audio Outputs:	RCA Analog Stereo Output, Optical Digital	RCA Analog Stereo Output, Optical Digital

	E400-B2	**E480-B2**
OSD Language:	English, Spanish, French	English, Spanish, French
Remote Control Model:	XRT010	XRT010
Certifications:	UL/cUL, FCC Class B, HDMI 1.4 (CEC, ARC), Dolby Digital	UL/cUL, FCC Class B, HDMI 1.4 (CEC, ARC), Dolby Digital
Compliance:	Energy Star 6.0	Energy Star 6.0
Voltage Range:	120V @ 60 Hz	120V @ 60 Hz
Power Consumption:	40.41W	49.95W
Standby Power:	<1W	<1W
Zero Bright Pixel Guarantee:	Yes	Yes

ON PARTS AND LABOR

Covers units purchased as new in United States and Puerto Rico Only. VIZIO provides a warranty to the original purchaser of a new Product against defects in materials and workmanship for a period of one (1) year of non-commercial usage and ninety (90) days of commercial use. If a Product covered by this warranty is determined to be defective within the warranty period, VIZIO will either repair or replace the Product at its sole option and discretion.

To obtain warranty service, contact VIZIO Technical Support via e-mail: TechSupport@VIZIO.com or via phone at 877 MY VIZIO (877.698.4946) from 5:00AM to 8:00PM Monday through Friday and 7:00AM to 4:00PM Saturday and Sunday, Pacific Time, or visit www.VIZIO.com. PRE-AUTHOR-IZATION MUST BE OBTAINED BEFORE SENDING ANY PRODUCT TO A VIZIO SERVICE CENTER. Proof of purchase in the form of a purchase receipt or copy thereof is required to show that a Product is within the warranty period.

Parts and Labor

There will be no charge for parts or labor during the warranty period. Replacement parts and Products may be new or recertified at VIZIO's option and sole discretion. Replacement parts and Products are warranted for the remaining portion of the original warranty or for ninety (90) days from warranty service or replacement, whichever is greater.

Type of Service

Defective Products must be sent to a VIZIO service center to obtain warranty service. VIZIO is not responsible for transportation costs to the service center, but VIZIO will cover return shipping to the customer. PRE-AUTHORIZATION IS REQUIRED BEFORE SENDING ANY PRODUCT TO A VIZIO SERVICE CENTER FOR WARRANTY SERVICE.

Product returns to VIZIO's service centers must utilize either the original carton box and shipping material or packaging that affords an equal degree of protection. VIZIO Technical Support will provide instructions for packing and shipping the covered Product to the VIZIO service center.

Limitations and Exclusions

VIZIO's one-year limited warranty only covers defects in materials and workmanship. This warranty does not cover, for example: cosmetic damage, normal wear and tear, improper operation, improper voltage supply or power surges, signal issues, damages from shipping, acts of God, any type of customer misuse, modifications or adjustments, as well as installation and set-up issues or any repairs attempted by anyone other than by a VIZIO authorized service center. Products with unreadable or removed serial numbers, or requiring routine maintenance are not covered. This one year limited warranty does not cover Products sold "AS IS", "FACTORY RECERTIFIED", or by a non-authorized reseller.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE LISTED OR DESCRIBED ABOVE. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED IN DURATION TO THE PERIOD OF TIME SET FORTH ABOVE. VIZIO'S TOTAL LIABILITY FOR ANY AND ALL LOSSES AND DAMAGES RESULTING FROM ANY CAUSE WHATSOEVER INCLUDING VIZIO'S NEGLIGENCE, ALLEGED DAMAGE, OR DEFECTIVE GOODS, WHETHER SUCH DEFECTS ARE DISCOVERABLE OR LATENT, SHALL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE PRODUCT. VIZIO SHALL NOT BE RESPONSIBLE FOR LOSS OF USE, LOSS OF INFORMATION OR DATA, COMMERCIAL LOSS, LOST REVENUE OR LOST PROFITS, OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE. THIS WARRANTY IS SUBJECT TO CHANGE WITHOUT NOTICE.

CHECK WWW.VIZIO.COM FOR THE MOST CURRENT VERSION.

Personal Data

If your VIZIO product is capable of storing personal data and other information, ALL CONTENTS AND INFORMATION WILL BE DELETED IN THE COURSE OF SOME IN-HOME AND ALL SHIP-IN WARRANTY SERVICE. If this occurs, your product will be restored to you configured as originally purchased. You will be responsible for restoring all applicable data and passwords. Recovery and reinstallation of user data is not covered under this Limited Warranty. In order to protect your personal information, VIZIO recommends that you always clear all personal information from the unit before it is serviced, regardless of the servicer.

Zero Bright Pixel Defect Guarantee

This policy covers "zero bright pixel" defects for the duration of the limited "ONE YEAR WARRANTY" on select new product purchases. To determine if this guarantee applies to your product, refer to the "DETAILS" tab of the model's product information page (www.VIZIO.com) or look for the "zero bright pixel" guarantee on the box.

FCC Class B Radio Interference Statement

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.

2. Increase the separation between the equipment and receiver.

3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

4. Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Notice

1. The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

2. Shielded interface cables and AC power cord, if any, must be used in order to comply with the emission limits.

3. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. It is the responsibilities of the user to correct such interference.

FCC warning

Changes or modifications not expressly approved by the party responsible for compliance with the FCC Rules could void the user's authority to operate this equipment.

Other

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