USER MANUAL
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.

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Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

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 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.

• 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.

• Your TV is equipped with a three-pronged grounded plug (a plug with a third grounding pin). This plug will fit only into a grounded power outlet. This is a safety feature. If your outlet does not accommodate the three-pronged, have an electrician install the correct outlet, or use an adapter to ground your TV safely. Do not defeat the safety purpose of the grounded plug.

• 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 periods of time.
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 fill 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/NFPA 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.
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

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.
To install the base:

1. 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.

Gently push the base into the slots as shown.

2. Insert and tighten the two (2) included Phillips screws into the base with a Phillips screwdriver. (Not included)
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.

<table>
<thead>
<tr>
<th></th>
<th>E241-A1</th>
<th>E291-A1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screw Size:</td>
<td>M4</td>
<td>M4</td>
</tr>
<tr>
<td>Screw Pitch:</td>
<td>0.70mm</td>
<td>0.70mm</td>
</tr>
<tr>
<td>Screw Length:</td>
<td>10mm</td>
<td>10mm</td>
</tr>
<tr>
<td>Hole Pattern:</td>
<td>100mm (V) x 100mm (H)</td>
<td>100mm (V) x 100mm (H)</td>
</tr>
</tbody>
</table>

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 A - Specifications for the weight of this TV.

3. Insert the two (2) included rubber feet over the screws as shown and press firmly to secure them.

When you are finished, place the TV on a stable, level surface.
Controls and Connections

HDMI - Connect HDMI device.

PC Audio In - Connect 3.5mm audio cable from PC.

RGB - Connect VGA cable from PC.

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

Stereo Audio Out - Connect 3.5mm audio device, such as sound bar.

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

Component/Composite - Connect component or composite device.

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

INPUT - Change input source.

MENU - Open the on-screen menu.

CHANNEL UP/DOWN - Change the channel.

VOLUME UP/DOWN - Increase or decrease volume level.
REMOTE SENSOR & POWER INDICATOR
When using the remote, aim it directly at this sensor.
**INPUT**
Change the currently-displayed input.

**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 TV on or off.

**MENU**
Display the on-screen menu.

**ARROW**
Navigate the on-screen menu.

**GUIDE**
Display the info window.

**CHANNEL UP/DOWN**
Change the channel.

**V BUTTON**
Open the USB Photo Viewer

**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.)
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).

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

**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 1080p
- Analog Connection
- Audio and Video Signals

**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
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 a video port that matches an available port on the TV (Optical, 3.5mm, etc).
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.

Note: The image shown here is for illustrative purposes only and may be subject to change. The actual number of ports and their locations may vary, depending on the model.
CONNECTING AN AUDIO DEVICE - AUDIO CABLE TYPES

RCA OR 3.5MM 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 or 3.5mm connectors.

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

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 15.

- CFC 2-way Communication (Auto setup)
- PCM, DTS, Dolby Digital
- 2.0-5.1 Scaleable Lossless Digital Audio Connection
- Audio and Video Signals
CONNECTING AN AUDIO DEVICE - ARC

Without HDMI ARC

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

With HDMI ARC

With an HDMI ARC setup, the audio connection between your TV and Home Audio Receiver can be removed. The HDMI cable will transmit audio signal to and from your TV with an all-digital audio/video connection.
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.

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. Use the **Up/Down Arrow** buttons on the remote to highlight your preferred language and press **OK**.

3. Use the **OK** and **Arrow Up/Down** buttons on the remote to highlight **Home Mode** and press **OK**.

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 turn daylight saving time **On** or **Off**.

6. Answer the on-screen questions about your TV connection using the **Arrow** and **OK** buttons on the remote.

7. Use the **Arrow** buttons to highlight Start the Channel Scan and press **OK**.

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

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. You can also open the on-screen menu by pressing the VIA button and selecting HDTV Settings from the VIA Dock, then pressing OK.

From this menu, you can:
- Change the input source
- Change the screen aspect ratio
- Set up closed captioning
- Activate the sleep timer
- Adjust the picture settings
- Adjust the audio settings
- Change TV settings
- Access the help menu

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

2. Use the **Arrow** buttons on the remote to highlight the **Settings** icon and press **OK**. The TV Settings menu is displayed.

3. Use the **Up/Down Arrow** buttons on the remote to highlight the input source and press **OK**. The Input Source Selection menu is displayed.

4. Use the **Up/Down Arrow** buttons on the remote to highlight the input source you wish to display and press **OK**.

CHANGING THE SCREEN ASPECT RATIO

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

To change the screen aspect ratio:

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

6. Use the **Arrow** buttons to highlight the **Wide** icon. Press **OK**.

7. Use the **Arrow** buttons to highlight your desired screen mode 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.
   - **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.
   - **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.**
   - **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/1080p source.**
Changing the Appearance of Digital Closed Captions

Digital closed captions can be displayed according to your preference.

To change the appearance of digital closed captions:

1. From the Closed Caption menu, use the Arrow buttons to highlight Digital CC Style.

2. Use the Left/Right Arrow buttons on the remote to select Custom, then press OK. The Digital CC Style menu appears.

3. Use the Up/Down Arrow buttons on the remote to highlight the setting you wish to change, then use the Left/Right Arrow buttons to change the setting:
   - **Caption Style** - Choose Auto to keep default settings or Custom to manually change each setting.
   - **Text Size** - Adjust the size of the text.
   - **Color** - Change the color of the text.
   - **Opacity** - Change the transparency of the text.
   - **BG Color** - Change the background color.
   - **BG Opacity** - Change the transparency of the background.
   - **Window Color** - Change the edge color.
   - **Window Opacity** - Change the edge type.

4. When you are satisfied with the appearance of the closed captions, 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 the **Sleep Timer** icon and press **OK**. The Sleep Timer menu is displayed.
3. Use the **Up/Down Arrow** buttons on the remote to highlight **Timer** and press **OK**. The Timers menu is displayed.
4. Use the **Up/Down Arrow** buttons on the remote to highlight the period of time after which you want the TV to turn off: **30, 60, 90, 120, or 180 minutes**. If you don’t want the sleep timer to activate, change the setting to **Off**.
5. Press **OK**, then press **EXIT**.

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**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 Sleep Timer menu, use the **Up/Down Arrow** buttons on the remote to highlight **Auto Power Off** and press **OK**. The Auto Power-Off menu is displayed.
2. Highlight **Off** or **10 min** and press **OK**. Press **Exit**.
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 the **Picture** icon and press **OK**. The Picture Settings menu is displayed.

3. Use the **Up/Down Arrow** buttons on the remote to highlight **Picture** and press **OK**. The Picture Settings menu is displayed.

4. 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 will produce the best picture in the most cases. This is the recommended setting.

   - **Movie mode** sets the picture settings to values perfect for watching a movie in a dark room.

   - **Game mode** optimizes the picture settings for displaying game console output.

   - **Vivid mode** sets the picture settings to values that produce a brighter, more vivid picture.

   - **Football**, **Golf**, **Basketball**, and **Baseball** modes optimize the picture settings for their respective sports. Also try these modes for other sports.

   - **Custom** picture mode allows you to manually change each of the picture settings:

     - **Backlight** - Adjusts the LED brightness to affect the overall brilliance of the picture.

     - **Brightness** - Adjusts the black level of the picture. When this setting is too low, the picture may be too dark to distinguish details. When this setting is too high, the picture may appear faded or washed out.

     - **Contrast** - Adjusts the white level of the picture. When this setting is too high, the picture may appear dark. When this setting is too low, the picture may appear faded or washed out. If the setting is too high or too low, detail may be difficult to distinguish in dark or bright areas of the picture.

     - **Color** - Adjusts the intensity of the picture colors.

     - **Tint** - Adjusts the hue of the picture. This setting is useful in adjusting the flesh tones in the picture. If flesh appears too orange, reduce the level of color before adjusting tint.

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

To adjust the advanced picture settings:

1. From the Picture Settings menu, use the Arrow buttons on the remote to highlight More, then press OK.

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

3. Use the Arrow buttons to highlight the setting you wish to adjust, then press Left/Right Arrow to change the setting:
   - **Noise Reduction** - Diminishes artifacts in the image caused by the digitizing of image motion content. Select Off, Low, Medium, or High.
   - **MPEG NR** - Reduces pixellation and distortion for .mpeg files. Select Off, Low, Middle, or High.
   - **Color Enhancement** - Reduces oversaturation of some colors and improves flesh tones. Select Off, Normal, Rich Color, Green/Flesh, or Green/Blue.
   - **Adaptive Luma** - Adjusts the average brightness of the picture to compensate for large areas of brightness. Select Off, Low, Medium, Strong, or Extend.
   - **Film Mode** - Optimizes the picture for watching film. Select Auto or Off.
   - **Backlight Control** - Select Off or OPC.

4. When you have finished adjusting the Advanced Picture Settings, press the EXIT button on the remote.
**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 Settings Menu, use the Arrow buttons to highlight More, 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. If you want to reset the color temperatures to the factory default settings, highlight Reset Color Temperature and press OK.
5. When you have finished adjusting the color temperature, press the EXIT button on the remote.

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**Adjusting the Picture Size and Position**
When displaying an image from the HDMI input, the size and position of the display image can be adjusted.

To adjust the picture size and position:

1. Ensure the input is set to AV, HDMI or RGB.
2. From the Picture Settings menu, use the Arrow buttons on the remote to highlight More, then press OK.
3. Use the Arrow buttons on the remote to highlight Size & Position, then press OK. The Size & Position menu is displayed.
4. Use the Arrow buttons to highlight the setting you wish to adjust, then press Left/Right Arrow 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.

5. When you have finished adjusting the color temperature, 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 Settings menu, use the Arrow buttons to highlight More, then press OK.

2. Use the Arrow buttons on the remote to highlight Reset Picture Mode, then press OK. The TV displays, “Are you sure you want to RESET Picture Settings to the factory defaults?”

3. Highlight Yes and press OK.

4. Press the EXIT button on the remote.

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**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 Settings menu is displayed.

3. Use the Arrow buttons to highlight the setting you wish to adjust, then press Left/Right Arrow to change the setting:
   - **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.
   - **TV Speakers** - Turns the built-in speakers on or off.
   - **SRS StudioSound HD** - StudioSound HD™ is a feature-rich surround sound solution which delivers an immersive surround sound experience from the TV’s internal speakers. Additionally, StudioSound HD 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 Surround or Standard.
   - **SRS TruVolume** - TruVolume® intelligently normalizes volume fluctuations due to television commercials or channel changes. Select On or Off.
Adjusting the Advanced Audio Settings

To adjust the advanced audio settings:

1. From the Audio Settings Menu, use the Arrow buttons to highlight Advanced Audio, then press OK. The Advanced Audio menu is displayed.

2. Use the Arrow buttons to highlight the setting you wish to adjust, then press Left/Right Arrow to change the setting:
   - **Digital Audio Out** - Changes the type of processing for the Optical output or HDMI ARC output when connected to a home theater audio system. Select Off, Dolby Digital, or PCM.

3. When you have finished adjusting the advanced audio settings, press the EXIT button on the remote.
CHANGING THE TV SETTINGS

Using the settings menu, you can:

- Change the input source
- Adjust the Tuner settings
- Name the TV inputs
- Set up parental controls
- Change the on-screen menu language
- Set the time
- Adjust the CEC settings
- Adjust the Power Light settings

Changing the Input Source

To change the input source from the Settings 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 the Settings icon and press **OK**. The Settings menu is displayed.
3. Highlight Input Source and press **OK**. The Input Source menu is displayed.
4. Highlight the input source you want to display and press **OK**.
Setting the Tuner Mode

If you are using a device that is connected to the RF input, such as an external antenna or cable TV connection, you must set the tuner 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 the **Settings** icon and press **OK**. The Settings menu is displayed.
3. Highlight **Tuner** and press **OK**. The Tuner Mode menu is displayed.
4. Highlight **Antenna** or **Cable** and press **OK**.
5. Press the **EXIT** button on the remote.

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.

1. From the Tuner Settings menu, highlight **Auto Channel Scan**. 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.
Adding New Channels

Occasionally, you may need to add a new analog channel or add a new range of channels. 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. The Partial Channel Search menu is displayed.

2. Highlight Scan Mode and select the type of channel you are adding: Analog/Digital, Analog, or Digital.

3. Highlight From Channel and enter the channel from which you want to begin the scan. (Use the Number Pad on the remote to enter the channel.)

4. Highlight To Channel and enter the channel to which you want to end the scan. (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 Settings menu, highlight Add Analog Channel and press OK. The Add Analog Channel menu is displayed.

2. Highlight Enter Channel # and use the Number Pad on the remote to enter the number of the channel you are adding.

3. Highlight Add Channel and press OK. The TV scans for the channel.

4. When the TV is done scanning for the channel, press the EXIT button on the remote.
Skipping Channels

After a channel scan is completed, you may find that some channels are too weak to watch comfortably. There may also be some channels you do not want to view. You can remove these channels from the TV’s memory with the Skip Channel feature.

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 Using the Parental Controls on page 30.

To remove a channel:

1. From the Tuner Settings menu, highlight **Skip Channel.** 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.** An X 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 Audio Language

Some digital free-to-air and cable channels broadcast programs in more than one language. The TV’s MTS (Multichannel Television Sound) feature allows you to listen to audio in your preferred language.

Not all programs are broadcast in multiple languages. The MTS feature only works when the program being viewed is being broadcast in the language you select.

To use the Analog MTS feature:

1. From the Tuner Settings menu, highlight **Analog MTS** and press **OK.** The Analog MTS menu is displayed.

2. Select **Mono, Stereo,** or **SAP** (secondary audio programming). Press **OK.**

3. Press the **EXIT** button on the remote.
To use the Digital MTS feature:

1. From the Tuner Settings menu, highlight **Digital MTS** and press **OK**. The **Digital MTS** menu is displayed.

2. Select your preferred language: **English**, **French**, or **Spanish**. Press **OK**.

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

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**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 the **Settings** icon and press **OK**. The TV Settings 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 32.
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 Rating Enable and press OK. The Rating Enable 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.

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 cannot be viewed.
4. When the rating type is unblocked, the Lock icon appears unlocked. Content with this rating 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.

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 Names of the Inputs
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 Arrow buttons on the remote to highlight the Settings icon and press OK. The Settings menu is displayed.

3. Use the Arrow buttons on the remote to highlight Name Input and press OK. The Name Input menu is displayed.

4. Highlight Input Source and press OK. Highlight the input you want to rename and press OK.

5. 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.

6. When you have finished naming your input, press the EXIT button on the remote.
Changing the On-Screen Menu Language
Your TV can display the on-screen menu in different languages.

To change the on-screen menu language:

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

2. Use the **Arrow** buttons on the remote to highlight the **Settings** icon and press **OK**. The Settings 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**, **French**, or **Spanish**) and press **OK**.

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

---

Setting the Time Zone
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 the **Settings** icon and press **OK**. The Settings menu is displayed.

3. Use the **Arrow** buttons on the remote to highlight **Time & Local Settings** and press **OK**. The Time & 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 Savings** and press **OK**. The Daylight Savings menu is displayed. Choose **On** if daylight savings is in effect, or **Off** if it is not.

7. Highlight **Postal Code**. Enter your ZIP code using the keypad on the remote, then press **OK**. The ZIP code information is often used by VIA Apps to give you the most accurate location-based information, such as weather or news.

8. Press the **EXIT** button on the remote.
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 the **Settings** icon and press **OK**. The Settings menu is displayed.
3. Use the **Arrow** buttons on the remote to highlight **CEC Settings** and press **OK**. The CEC Settings menu is displayed.
4. Use the **Arrow** and **OK** buttons to adjust each setting:
   - **CEC Function** - To use CEC, you must select **Enable**.
   - **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 Light On or Off

The Power Indicator Light on the front of your TV is set to light up when the TV is on. You can change this setting if you prefer the light to be off.

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 the **Settings** icon and press **OK**. The Settings 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 HELP MENU

You can use the TV’s Help menu to:
• Display system information
• Reset the TV settings
• Restore the TV to its factory default settings
• Start the Setup Wizard

Displaying System Information
To display a summary of the TV settings:

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

6. Use the **Arrow** buttons on the remote to highlight the **Help** icon and press **OK**. The Help menu is displayed.

7. Highlight **System Info** and press **OK**.

8. Use the **Up/Down Arrow** buttons to scroll through the system information.

9. When you are finished reviewing the system information, press the **EXIT** button on the remote.
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 the Help icon and press OK. The Help menu is displayed.

3. Highlight Reset TV Settings and press OK. The TV displays, “Are you sure you would like to Restore Defaults? This will erase any custom settings.”

4. Highlight Yes and press OK.

5. Press the EXIT button on the remote.

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 the Help icon and press OK. The Help menu is displayed.

3. Highlight Clear Memory (Factory Default) and press OK.

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

   The TV displays, “Are you sure you would like to Restore Defaults? This will erase any custom settings.”

5. Highlight Yes and press OK. The TV displays “Memory is being cleared. The TV will reset shortly.”

6. Wait for the TV to turn off. The TV will turn back on shortly afterward and the Setup App will begin.
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 and input information.
- Press the INFO or GUIDE button two times to display the program title and closed captioning information.
- Press the INFO or GUIDE button three times to display the program description.

<table>
<thead>
<tr>
<th>Program Title/CC Information</th>
<th>Channel/Input Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oliver’s Holiday Surprise</td>
<td>Ch 50-123, LACT DTV, CABLE</td>
</tr>
<tr>
<td>11:00AM - 12:00PM</td>
<td>TV-PG (V), CC-OFF, ENGLISH, DOLBY 5.1, 720p HD</td>
</tr>
</tbody>
</table>

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?
**USING THE USB MEDIA PLAYER**

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

![USB Port Image]

**Connecting a USB Thumb Drive to the TV**

1. Turn the TV off. Connect your USB thumb drive to the USB port on the back of the TV.
2. Press the **Power/Standby** button on the remote or touch the **Power** control on the side of the TV to turn it on.

**Playing USB Media**

To play USB media, you must first save your music or images onto a USB thumb drive.

Remember:
- The USB thumb drive must be formatted as FAT32.
- Only jpeg files are supported.
- The player is not designed to play media from external hard drives or mp3 players.

To play your USB media:

1. Connect your USB thumb drive to the USB port on the side of the TV.
2. Highlight the **Media App** and press **OK**. The Media App launches.
3. Highlight your USB device in the list and press **OK**.
4. Highlight **Photo** and press **OK**.
5. Use the **Arrow** buttons to highlight the file you want to display. Press **OK**. The file plays.

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

**Note:** The image shown here is for illustrative purposes only and may be subject to change. The actual number of ports and their locations may vary, depending on the model.
Folder Contents
This area displays the contents of the currently selected folder. You can browse between files using the Arrow and OK buttons on the remote.

Current Folder
Displays the folder path.

Photo Information
Displays name, resolution, and file size for currently selected photo.

Page Information
If your USB thumb drive has more files than can be displayed on a single screen, you can move between pages by highlighting this area and pressing Left/Right Arrow.

Back Button
Highlight and press OK to return to left column.
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 9 PM (PST)
Saturday - Sunday: 8 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 antenna connected directly to the TV, scan for channels. See Scanning for Channels on page 27.

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 24.
- Ensure the speakers are set to On.
- Ensure no headphones are connected to the TV.
- Check the audio connections of external devices (Blu-ray player, game console, cable/satellite box) that are connected to the TV.
- If you are using an antenna, the signal strength of the channel may be low. Ensure your antenna is connected securely to the TV and move the antenna around the room or close to a window for the best signal.

The colors on the TV don’t look right.
- Adjust the Color and Tint settings in the Picture menu. See Adjusting the Picture Settings 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 10.
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. Separate the TV from electrical appliances, cars, or fluorescent lights.
- Ensure all cables are securely attached.

The display image does not cover the entire screen.

- If you are in RGB mode (computer), ensure that H-Size and V-Position in the on-screen menu are set correctly.
- If you are using TV, AV1, AV2, or Component with 480i input, press the WIDE button on the remote to change the screen mode.

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 18.
## Specifications

<table>
<thead>
<tr>
<th></th>
<th>E241-A1</th>
<th>E291-A1</th>
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</thead>
<tbody>
<tr>
<td><strong>Screen Size:</strong></td>
<td>24&quot; Class</td>
<td>29&quot; Class</td>
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<tr>
<td><strong>Viewable Area:</strong></td>
<td>23.54&quot;</td>
<td>29.00&quot;</td>
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<tr>
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<td><strong>Maximum Resolution:</strong></td>
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<td><strong>Response Time:</strong></td>
<td>5 ms</td>
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<td><strong>Brightness:</strong></td>
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<td><strong>Viewing Angle:</strong></td>
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<td>176° (H) / 176° (V)</td>
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<td><strong>HDMI Inputs:</strong></td>
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<td><strong>Component Video Inputs:</strong></td>
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<td><strong>RF Antenna Input:</strong></td>
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<td><strong>USB 2.0 Ports:</strong></td>
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<td><strong>Audio Outputs:</strong></td>
<td>RCA Analog Stereo Output</td>
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VIZIO, Inc. has made every effort to ensure the accuracy of the information provided herein. All product specifications, functionality, features, configurations, performance, design and other product information described herein are subject to change without notice. VIZIO, Inc. disclaims liability for typographical, technical, or descriptive errors.
<table>
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<th>Feature</th>
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<tr>
<td><strong>OSD Language:</strong></td>
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<td>English, Spanish, French</td>
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<td><strong>Remote Control Model:</strong></td>
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<td><strong>Compliance:</strong></td>
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<td><strong>Voltage Range:</strong></td>
<td>120V @ 50/60 Hz</td>
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<td><strong>Power Consumption:</strong></td>
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<td>&lt;1W</td>
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<tr>
<td><strong>Zero Bright Pixel Guarantee:</strong></td>
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<td>Yes</td>
</tr>
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</table>

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Limited Warranty

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 9:00PM Monday through Friday and 8:00AM to 4:00PM Saturday and Sunday, Pacific Time, or visit www.VIZIO.com. PRE-AUTHORIZATION 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. 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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