<table>
<thead>
<tr>
<th>Table Of Contents</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Getting to Know Your TV ..................................................................................</td>
<td>7</td>
</tr>
<tr>
<td>Rear Panel .........................................................................................................</td>
<td>8</td>
</tr>
<tr>
<td>Remote Control .................................................................................................</td>
<td>9</td>
</tr>
<tr>
<td>Replacing the Batteries ...................................................................................</td>
<td>9</td>
</tr>
<tr>
<td>Completing The First-Time Setup .....................................................................</td>
<td>10</td>
</tr>
<tr>
<td>Using the On-Screen Menu ................................................................................</td>
<td>12</td>
</tr>
<tr>
<td>Navigating the On-Screen Menu .................................................................</td>
<td>12</td>
</tr>
<tr>
<td>Changing the Input Source ...............................................................................</td>
<td>12</td>
</tr>
<tr>
<td>Changing the Screen Aspect Ratio ...............................................................</td>
<td>13</td>
</tr>
<tr>
<td>Adjusting the Picture Settings .......................................................................</td>
<td>14</td>
</tr>
<tr>
<td>Adjusting More Picture Settings ....................................................................</td>
<td>15</td>
</tr>
<tr>
<td>Adjusting the Color Temperature ....................................................................</td>
<td>15</td>
</tr>
<tr>
<td>Adjusting the Picture Mode Edit Settings ...................................................</td>
<td>16</td>
</tr>
<tr>
<td>Saving a Custom Picture Mode ........................................................................</td>
<td>16</td>
</tr>
<tr>
<td>Locking/Unlocking a Custom Picture Mode ....................................................</td>
<td>17</td>
</tr>
<tr>
<td>Deleting a Custom Picture Mode .....................................................................</td>
<td>17</td>
</tr>
<tr>
<td>Changing the Equalizer Settings ....................................................................</td>
<td>20</td>
</tr>
<tr>
<td>Deleting the Custom Audio Mode ....................................................................</td>
<td>21</td>
</tr>
<tr>
<td>Setting Timers .................................................................................................</td>
<td>22</td>
</tr>
<tr>
<td>Setting the Sleep Timer ..................................................................................</td>
<td>22</td>
</tr>
<tr>
<td>Setting the Auto Power Off Feature ..............................................................</td>
<td>22</td>
</tr>
<tr>
<td>Setting Up Channels .......................................................................................</td>
<td>23</td>
</tr>
<tr>
<td>Selecting a Channel Source ............................................................................</td>
<td>23</td>
</tr>
<tr>
<td>Scanning for Channels ....................................................................................</td>
<td>23</td>
</tr>
<tr>
<td>Adding New Channels ......................................................................................</td>
<td>23</td>
</tr>
<tr>
<td>Skipping Channels ...........................................................................................</td>
<td>24</td>
</tr>
<tr>
<td>Listening to Alternate Audio .........................................................................</td>
<td>25</td>
</tr>
<tr>
<td>Changing the Analog Audio Language ............................................................</td>
<td>25</td>
</tr>
<tr>
<td>Setting Up Closed Captioning ........................................................................</td>
<td>26</td>
</tr>
<tr>
<td>Changing the Appearance of Digital Closed Captions ....................................</td>
<td>26</td>
</tr>
<tr>
<td>Renaming Devices on the Input Menu ............................................................</td>
<td>28</td>
</tr>
<tr>
<td>Changing the TV Settings ..............................................................................</td>
<td>29</td>
</tr>
<tr>
<td>Viewing System Information .........................................................................</td>
<td>29</td>
</tr>
<tr>
<td>Changing the On-Screen Menu Language .......................................................</td>
<td>29</td>
</tr>
<tr>
<td>Setting the Time and Local Settings .............................................................</td>
<td>30</td>
</tr>
<tr>
<td>Using the Parental Controls ..........................................................................</td>
<td>30</td>
</tr>
<tr>
<td>Accessing the Parental Controls Menu .........................................................</td>
<td>30</td>
</tr>
<tr>
<td>Enabling or Disabling Program Ratings .........................................................</td>
<td>30</td>
</tr>
<tr>
<td>Locking and Unlocking Channels ....................................................................</td>
<td>30</td>
</tr>
<tr>
<td>Blocking and Unblocking Content by Rating ..................................................</td>
<td>31</td>
</tr>
<tr>
<td>Changing the Parental Control PIN ................................................................</td>
<td>31</td>
</tr>
<tr>
<td>Resetting the Content Locks ..........................................................................</td>
<td>31</td>
</tr>
<tr>
<td>Changing the View Mode Settings ..................................................................</td>
<td>32</td>
</tr>
<tr>
<td>Changing the Screen Aspect Ratio ..................................................................</td>
<td>32</td>
</tr>
<tr>
<td>Deleting the Custom Audio Mode ....................................................................</td>
<td>33</td>
</tr>
<tr>
<td>Adjusting the CEC Settings ............................................................................</td>
<td>33</td>
</tr>
<tr>
<td>Turning the Power Indicator On or Off ..........................................................</td>
<td>33</td>
</tr>
<tr>
<td>Using the Reset &amp; Admin Menu .......................................................................</td>
<td>34</td>
</tr>
<tr>
<td>Restoring the TV to Factory Default Settings ...............................................</td>
<td>34</td>
</tr>
<tr>
<td>Using the Guided Setup Menu .........................................................................</td>
<td>35</td>
</tr>
<tr>
<td>Using the Info Window ....................................................................................</td>
<td>35</td>
</tr>
<tr>
<td>Using the USB Media Player ............................................................................</td>
<td>36</td>
</tr>
<tr>
<td>Preparing Your USB Drive to Play USB Media ...............................................</td>
<td>36</td>
</tr>
<tr>
<td>Displaying USB Media .....................................................................................</td>
<td>36</td>
</tr>
<tr>
<td>Removing the USB Drive from the TV ............................................................</td>
<td>36</td>
</tr>
<tr>
<td>Troubleshooting &amp; Technical Support ................................................................</td>
<td>38</td>
</tr>
<tr>
<td>Specifications ................................................................................................</td>
<td>42</td>
</tr>
<tr>
<td>Regulatory Information ....................................................................................</td>
<td>45</td>
</tr>
<tr>
<td>Limited Warranty .............................................................................................</td>
<td>46</td>
</tr>
<tr>
<td>Legal Information ............................................................................................</td>
<td>50</td>
</tr>
</tbody>
</table>
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) 698-4946.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference.

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) 698-4946.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference.

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) 698-4946.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference.

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) 698-4946.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference.

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) 698-4946.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference.

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) 698-4946.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference.

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) 698-4946.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference.

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) 698-4946.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference.

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) 698-4946.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference.

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) 698-4946.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference.

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) 698-4946.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference.

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) 698-4946.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference.

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) 698-4946.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference.

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) 698-4946.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference.

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) 698-4946.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference.

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) 698-4946.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference.

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) 698-4946.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference.

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) 698-4946.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference.

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) 698-4946.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference.

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) 698-4946.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference.

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) 698-4946.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference.

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) 698-4946.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference.

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) 698-4946.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference.

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) 698-4946.

To get the most out of your new VIZIO product, read these instructions before using your product and retain them for future reference.

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) 698-4946.
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.

• **WARNING:** 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.

• Please use caution around the TV: pulling or pushing on the TV may cause the TV to tip or fall over resulting in personal injury and/or property damage.

• **WARNING:** Exposure to loud sounds can damage your hearing causing hearing loss and tinnitus (ringing or buzzing in the ears). With continued exposure to loud noises, ears may become accustomed to the sound level, which may result in permanent damage to hearing without any noticeable discomfort.

• Install the TV where it cannot be pulled, pushed or knocked over.

• **WARNING:** This product includes small parts and cables that may present a choking hazard to young children, and the packaging may cause suffocation. Always keep the cables, parts and packaging out of the reach of young children.

• Store the accessories (remote, batteries, etc.) in a location safely out of the reach of children.

• The American Academy of Pediatrics discourages television viewing for children younger than two years of age.

• The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating instructions in the literature accompanying the product.
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.
For DTS patents, see http://patents.dts.com.
Manufactured under license from DTS Licensing Limited. DTS, the Symbol, & DTS and the Symbol together are registered trademarks, and DTS Studio Sound is a trademark of DTS, Inc. © DTS, Inc. All Rights Reserved.

This product qualifies for ENERGY STAR in the “factory default” settings 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 more information on the ENERGY STAR program, refer to energystar.gov.

Manufactured under license from Dolby Laboratories. Dolby, Dolby Audio, 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.
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 33.
Coaxial - Connect a coaxial cable from cable, satellite, or antenna.

Component/Composite - Connect a component or composite device.

USB - Connect a USB thumb drive to view photo.

HDMI - Connect an HDMI device.

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

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.

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

Input - Press once to access the input menu.

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.
Replacing the Batteries

1. Remove the battery cover by pressing down on the arrow markings and sliding out.
2. Insert two batteries into the remote control. Make sure that the (+) and (-) symbols on the batteries match the (+) and (-) symbols inside the battery compartment.
3. Replace the battery cover.
Completing The First-Time Setup

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

Before you begin the first-time setup:
- Your TV should be installed and the power cord should be connected to an electrical outlet.
- Your devices should be connected.
- If you have a wireless network, have the network password ready.
- If you are connecting to your network with an Ethernet cable, connect it to the Ethernet port on the TV.

To complete the first-time setup:

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

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

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

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

If you have cable TV, select whether you have a cable box or if you connect the TV directly to a cable from the wall.
If the TV Signal channel scan screen appears, the TV will need to scan for channels, which takes several minutes.

Use the arrow buttons on the remote to highlight **Begin Scan** and press **OK**.

Otherwise, use the **Arrow** and **OK** buttons on the remote to select the input your TV source is connected to.

When you are finished, the message “Setup is complete.” will appear.

**The First-Time Setup is complete.**
CHANGING THE INPUT SOURCE

External devices such as DVD players, Blu-ray Players, and video game consoles can be connected to your TV. To use one of these devices with your TV, you must first change the input source using the Input menu.

To change the input source:

1. Press the INPUT button on the remote. The Input menu is displayed.

2. Use the Up/Down Arrow buttons or the INPUT button on the remote to highlight the input you wish to view and press OK. The selected input is displayed.

You can change the input names that appear on the Input menu to make your devices easy to recognize. See Renaming Devices on the Input Menu on page 28 for more information.

Note: Inputs may vary by TV.

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.

Using the On-Screen Menu

Your TV features an easy-to-use on-screen menu. To open the on-screen menu, press the MENU button on the remote.

From this menu, you can:
- Adjust the Picture settings
- Adjust the Audio settings
- Setting the Sleep Timers
- Adjust the Channel settings
- Set up Closed Captioning
- Name Inputs
- Adjust TV settings
- Access the Guided Setup

You can change the input names that appear on the Input menu to make your devices easy to recognize. See Renaming Devices on the Input Menu on page 28 for more information.
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.

Some programs have black bars on the top or sides of the picture so that the picture keeps its original shape. Examples include wide-screen movies and older television programs.

To change the screen aspect ratio:

1. Press the WIDE button on the remote.
2. Use the Arrow buttons to highlight the aspect ratio you wish to view and press OK.

- **Normal** preserves the content's original aspect ratio and size.
- **Standard Definition** (480i and 480p—old TV programs) - Since the 4:3 aspect ratio is not large enough to fill the TV's screen, black bars are added to the left and right of the display image.
  - 720p and 720i HD - Fills a 720p or 1080p screen.
  - 1080p and 1080i HD - Fills a 1080p or 1080i HD screen.
- **Stretch** expands a widescreen image to fill the screen from top to bottom and stretches it half as much from right to left. Figures appear tall and thin.
  - Standard Definition - Not available.
  - 720p and 720i HD - If you are watching widescreen 1.85:1 content, the image will fill the screen. With 2.35:1 widescreen content, one-sixth of the image is cut off by the left and right sides of the screen.
  - 1080p and 1080i HD - Not available.
- **Panoramic** stretches a 4:3 aspect ratio picture to the left and right edges of the screen. The center of the image is not stretched, but the sides of the image are extremely stretched. If you are watching widescreen (1.85:1 or 2.35:1) content with black bars on the top and bottom, the black bars will still appear on the top and bottom of the display image.
  - Standard Definition (480i and 480p) - Fills the screen from the left to right edges.
  - 720p and 720i HD - Not available.
  - 1080p and 1080i HD - Not available.
- **Wide** stretches a 4:3 aspect ratio picture to the edges of the screen. Since the picture is being stretched, the display image may appear distorted—figures appear short and fat. If the program is already formatted for widescreen viewing (1.85:1 or 2.35:1), then black bars will appear on the top and bottom of the display image.
  - Standard Definition - Not available.
  - 720p and 720i HD - Fills a 1080p screen.
  - 1080p and 1080i HD - Not available.
- **Zoom** expands images evenly in all directions (33% taller and 33% wider) with black bars to fit the screen. A 720p image will fill a 1080p screen.
  - Standard Definition - Not available.
  - 720p and 720i HD - Fills a 1080p screen.
  - 1080p and 1080i HD - Not available.

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

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

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

4. To manually change each of the picture settings, use the Up/Down Arrow buttons on the remote to highlight that picture setting, then use the Left/Right Arrow buttons to adjust the setting:
   - **Backlight** - Adjusts the LED brightness to affect the overall brilliance of the picture. Backlight cannot be adjusted when starting from some picture modes.
   - **Brightness** - Adjusts the black level of the picture. When this setting is too low, the picture may be too dark to distinguish details. When this setting is too high, the picture may appear faded or washed out.
   - **Contrast** - Adjusts the white level of the picture. When this setting is too low, the picture may appear dark. When this setting is too high, the picture may appear faded or washed out. If the setting is too high or too low, detail may be difficult to distinguish in dark or bright areas of the picture.
   - **Color** - Adjusts the intensity of the picture colors.
   - **Tint** - Adjusts the hue of the picture. This setting is useful in adjusting the flesh tones in the picture. If flesh appears too orange, reduce the level of color before adjusting tint.
   - **Sharpness** - Adjusts the edge sharpness of picture elements. It can be used to sharpen non-HD (high definition) content; however, it will not produce detail that does not otherwise exist.

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

To adjust more picture settings:

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

2. Use the Arrow buttons to highlight the setting you wish to adjust, then press the Left/Right Arrow buttons to change the setting:
   - **Color Temperature** - See Adjusting the Color Temperature on page 15.
   - **Black Detail** - Adjusts the average brightness of the picture to compensate for large areas of brightness. Select Off, Low, Medium, or High.
   - **Backlight Control** - Dynamically improves the contrast ratio of the picture by adjusting the backlight. Select Off or On.
   - **Reduce Signal Noise** - Diminishes artifacts in the image caused by the digitizing of image motion content. Select Off, Low, Medium, or High.
   - **Game Low Latency** - Select On to reduce video delay (lag) when gaming.
   - **Picture Size & Position** - Highlight Picture Size & Position and press OK. The PICTURE SIZE & POSITION menu is displayed.

3. When you have finished adjusting More Picture Settings, press the EXIT button on the remote.

• **Picture Size**: Increase or decrease the vertical and horizontal size of the displayed picture. Use the Left/Right Arrow buttons to adjust the horizontal size of the displayed picture. Use the Up/Down Arrow buttons to adjust the vertical size of the displayed picture. Press the OK button when you are finished.

• **Picture Position**: Adjust the vertical and horizontal positions of the picture to ensure the image is centered and completely fills the screen. Use the Left/Right Arrow buttons to adjust the horizontal position of the displayed picture. Use the Up/Down Arrow buttons to adjust the vertical position of the displayed picture. Press the OK button when you are finished.

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

• **Gamma** - Set the shape of the Gamma curve. Use lower Gamma values for bright room conditions, and higher values when it’s dark.

Adjusting the Color Temperature

Adjusting the color temperature changes the white balance of the picture.

To adjust the color temperature:

1. From the MORE PICTURE menu, use the Arrow buttons to highlight Color Temperature, and then press OK.

2. Use the Arrow buttons on the remote to highlight a color temperature preset and then press OK.
   - **Normal** is optimized for television viewing.
   - **Cool** produces a blue-hued picture.
   - **Computer** optimizes the picture for use as a PC monitor.

3. When you have finished adjusting the color temperature, press the EXIT button on the remote.
Adjusting the Picture Mode Edit Settings
Picture Mode Edit Settings allow you to make precise adjustments to the picture and to create picture modes to save groups of picture settings.
To adjust the Picture Mode Edit settings:

1. From the PICTURE menu, use the Arrow buttons to highlight Picture Mode Edit, and then press OK. The PICTURE MODE EDIT menu is displayed.

2. Use the Arrow buttons to highlight the setting you wish to adjust, then press OK to change the setting:
   - Save Picture Mode - Save a custom picture mode.
   - Lock Picture Mode - Prevent changes to custom picture modes.
   - Unlock Picture Mode - Allow changes to custom picture modes. (Available after a custom picture mode is locked)
   - Delete Picture Mode - Delete a custom picture mode. Inputs assigned to that custom picture mode will be set to Calibrated picture mode. (Available after a custom picture mode is saved)
   - Reset Picture Mode - Reset the picture mode settings to factory default values.

Saving a Custom Picture Mode
Custom picture modes allow you to save a group of custom settings for various viewing conditions and video sources.

- Changes made while on any preset picture mode will add an asterisk on the top right corner of the preset mode.
- The custom picture mode is not automatically saved.

To save a custom picture mode:

1. From the PICTURE MODE EDIT menu, use the Arrow buttons to highlight Save Picture Mode, and then press OK. The SAVE PICTURE MODE menu is displayed.

2. Use either the on-screen keyboard or keyboard on your remote control to enter a name for your custom picture mode.

3. Highlight Save and press OK.

4. Press the EXIT button to exit the menu screens.

Locking/Unlocking a Custom Picture Mode
Custom picture modes can be locked/unlocked with a unique PIN to prevent accidental changes to their settings.

To lock all custom picture modes:

1. From the PICTURE MODE EDIT menu, use the Arrow buttons to highlight Lock Picture Mode, and then press OK. The LOCK PICTURE MODE menu is displayed.

2. Use the Number Pad on your remote to enter a unique 4-digit PIN.

3. Highlight Save and press OK.

4. Press the EXIT button to exit the menu screens.

To unlock all custom picture modes:

1. From the PICTURE MODE EDIT menu, use the Arrow buttons to highlight Unlock Picture Mode, and then press OK. The UNLOCK PICTURE MODE menu is displayed.

2. Use the Number Pad on your remote to enter your 4-digit PIN.

3. Make any desired changes to the picture modes.

4. Relock the picture modes, if desired. You must create a new 4-digit PIN.

5. Press the EXIT button to exit the menu screens.
Deleting a Custom Picture Mode
Custom picture modes that are no longer needed can be deleted.

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

Resetting a Picture Mode
A preset picture mode that has been edited can be restored to the factory default settings.

To reset a customized preset picture mode:
1. From the PICTURE MODE EDIT menu, use the Arrow buttons to highlight Reset Picture Mode, and then press OK. The RESET PICTURE MODE window is displayed.
2. Use the Left/Right Arrow buttons to highlight Reset and press OK.
3. Press the EXIT button to exit the menu screens.
To turn color channels off and on:

1. From the COLOR CALIBRATION menu, use the Arrow buttons to highlight Color Tuner, and then press OK. The Color Tuner menu is displayed.

2. Use the Arrow buttons on the remote to highlight Red, Green, or Blue.

3. Press the OK button to turn the color channel off or on. An X appears over a color channel that has been turned off.

4. Use the Arrow buttons to highlight another color channel to turn off or on. Only two color channels can be turned off at the same time.

5. When you are finished with the color channels, press the EXIT button.

To adjust the 11 Point White Balance settings:

1. From the Color Tuner menu, use the Arrow buttons to highlight Color Tuner, and then press the Left/Right Arrow buttons until the 11 Point White Balance menu is displayed.

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

3. When you are finished, press the EXIT button.
To show or hide the Flat Test Pattern:

1. From the Color Tuner menu, use the Arrow buttons to highlight Color Tuner, and then press the Left/Right Arrow buttons until the Flat Test Pattern menu is displayed.

2. Use the Arrow buttons on the remote to highlight Off. Use the Left/Right Arrow buttons to select the percentage brightness for the flat test pattern. Selecting a percentage immediately shows the flat pattern at that brightness.

—or—

To disable the Flat Test Pattern, use the Left/Right Arrow buttons to highlight Off.

3. When you are finished, press the EXIT button.

To show or hide the Ramp Test Pattern:

1. From the Color Tuner menu, use the Arrow buttons to highlight Color Tuner, and then press the Left/Right Arrow buttons until the Ramp Test Pattern menu is displayed.

2. Use the Arrow buttons on the remote to highlight Off. Use the Left/Right Arrow buttons to select the color for the ramp test pattern. Selecting a color immediately shows that color ramp.

—or—

To hide the Ramp Test Pattern, use the Left/Right Arrow buttons to highlight Off.

3. When you are finished, press the EXIT button.

To show or hide the SMPTE Test Pattern:

1. From the Color Tuner menu, use the Arrow buttons to highlight Color Tuner, and then press the Left/Right Arrow buttons until the SMPTE Test Pattern menu is displayed.

2. Use the Arrow buttons on the remote to highlight On to show the SMPTE Pattern.

—or—

To hide the SMPTE Test Pattern, use the Left/Right Arrow buttons to highlight Off.

3. When you are finished, press the EXIT button.
ADJUSTING THE AUDIO SETTINGS

To adjust the audio settings:

1. Press the MENU button on the remote. The on-screen menu is displayed.
2. Use the Arrow buttons on the remote to highlight Audio and press OK. The AUDIO menu is displayed.
3. Use the Arrow buttons to highlight the setting you wish to adjust, then press Left/Right Arrow buttons to change the setting:
   - TV Speakers - Turns the built-in speakers On or Off.
   - Surround Sound - Surround sound uses DTS TruSurround™ to deliver an immersive surround sound experience from the TV's internal speakers. TruSurround completes the entertainment experience by providing deep, rich bass and by delivering crisp details and clear, intelligible dialog. Select On or Off.
   - Balance - Adjusts the loudness of the audio output from the left and right speakers. Lip Sync - Adjusts the synchronization between the display image and the accompanying audio track.
   - Digital Audio Out - Changes the type of processing for digital audio out and HDMI ARC output when connected to a home theater audio system. Select PCM or Bitstream.
   - Analog Audio Out - Sets the volume control properties for the RCA connector when connected to a home theater audio system. Select Variable if you are controlling the volume with the TV's volume controls, or select Fixed if an external audio device (sound bar or AV receiver) will control the volume.
   - Equalizer - Adjusts the boost or attenuation of different frequencies using either preset or custom settings. See Changing the Equalizer Settings on page 20.
   - Delete Audio Mode - Deletes a custom audio mode created using the Equalizer Settings. See Deleting the Custom Audio Mode on page 21.
4. When you have finished adjusting the audio settings, press the EXIT button on the remote.

Changing the Equalizer Settings

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

To select a pre-set audio mode:

1. Press the MENU button on the remote. The on-screen menu is displayed.
2. Use the Arrow buttons on the remote to highlight Audio and press OK. The AUDIO menu is displayed.
3. Use the Arrow buttons to highlight Equalizer and press OK. The Audio Mode and equalizer settings screen appears.
4. Use the Left and Right Arrow buttons to select an audio mode. The equalizer bars change to reflect the mode.
5. Press the EXIT button on the remote.

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

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

To delete the custom audio mode that has been created:

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

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

3. Use the **Arrow** buttons to highlight **Delete Audio Mode** and press **OK**. The TV displays, “To delete the user created custom audio mode, select the Delete button.”

4. Highlight **Delete** and press **OK**.

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

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

1. Press the **MENU** button on the remote. The on-screen menu is displayed.
2. Use the **Arrow** buttons on the remote to highlight **Timers** and press **OK**. The TIMERS menu is displayed.
3. Use the **Left/Right Arrow** buttons on the remote to highlight the period of time after which you want the TV to go to sleep: 30, 60, 90, 120, or 180 minutes. If you don't want the sleep timer to activate, change the setting to **Off**.
4. When you have finished setting the sleep timer, press the **EXIT** button on the remote.

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

To set the Auto Power Off feature:

1. From the TIMERS menu, use the **Up/Down Arrow** buttons on the remote to highlight **Auto Power Off**.
2. Use the **Left/Right Arrow** buttons on the remote to change whether the TV will turn off. If you don't want the TV to turn off when there is no signal, change the setting to **Off**. Otherwise, select **10 minutes**.
3. When you have finished setting the auto power off time, press the **EXIT** button on the remote.
Selecting a Channel Source
Select the type of tuner input you will be using. You can select either Antenna (Over-the-air) or Cable (Out-of-the-wall) connections.

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

Scanning for Channels
The TV may need to scan for channels before it can display programs and their associated information. A channel scan is required for free over-the-air channels (using an antenna) and cable channels from an out-of-the-wall connection (without a cable box). Moving the TV to an area with different channels requires the TV to scan for channels again.

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

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

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

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

1. From the CHANNELS menu, highlight Add Analog Channel and press OK. The ADD ANALOG CHANNEL menu is displayed.

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

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

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

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 30.

To remove a channel:

1. From the CHANNELS menu, highlight Skip Channel, and press OK. The SKIP CHANNEL menu is displayed.

2. For each channel you wish to remove, use the Up/Down Arrow buttons on the remote to highlight the channel and press OK. A ‘✓’ appears to the right of each channel you select.

3. When you have selected all of the channels you wish to remove, press the EXIT button on the remote.
LISTENING TO ALTERNATE AUDIO

Changing the Analog Audio Language
Some analog over-the-air (free) and cable channels broadcast programs in more than one language. The TV's Analog Audio feature allows you to listen to audio in an alternate language using Secondary Audio Programming (SAP).

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

To use the Analog Audio feature:
1. From the CHANNELS menu, highlight Analog Audio and press OK. The ANALOG AUDIO menu is displayed.
2. Select Stereo, SAP (secondary audio programming), or Mono. Press OK.
3. Press the EXIT button on the remote.

To use the Digital Language feature:
1. From the CHANNELS menu, highlight Digital Language and press OK. The DIGITAL LANGUAGE menu is displayed.
2. Select your preferred language: English, Español or Français. Press OK.
3. Press the EXIT button on the remote.
SETTING UP CLOSED CAPTIONING

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

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

The Closed Captions menu does not appear when an HDMI input is selected.

To activate or deactivate closed captions:

1. Press the MENU button on the remote. The on-screen menu is displayed.
2. Use the Arrow buttons on the remote to highlight Closed Captions and press OK. The CLOSED CAPTIONS menu is displayed.
3. Use the Arrow buttons on the remote to highlight Closed Captions and then use the Left/Right Arrow buttons to select On or Off.
4. Use the Arrow buttons on the remote to highlight either Analog or Digital Closed Captions.
5. Use the Left/Right Arrow buttons on the remote to select the caption channel you wish to display, then press EXIT.

Changing the Appearance of Digital Closed Captions

Digital closed captions can be displayed according to your preference. 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 Style and press OK.
2. Use the Left/Right Arrow buttons on the remote to select Custom. The DIGITAL STYLE menu appears as shown.
3. Use the Up/Down Arrow buttons on the remote to highlight the setting you wish to change, then use the Left/Right Arrow buttons to change the setting:
   - Caption Style - Choose As Broadcast to keep default settings or Custom to manually change each setting.
   - Text Style - Change the font used for the closed captioning text.
   - Text Size - Make the text larger or smaller.
   - Text Color - Change the color of the text.
   - Text Opacity - Change the transparency of the text.
   - Text Edges - Change the effects at the edges of the text, such as raising the edges or adding drop shadows.
   - Text Edges Color - Change the color of the text edge effects.
   - Text Edges Color - Change the color of the background directly behind the text.
   - Background Opacity - Change the transparency of the background directly behind the text.
   - Window Color - Change the color of the closed captioning box.
   - Window Opacity - Change the opacity of the closed captioning box.
4. When you are satisfied with the appearance of the closed captions, press the EXIT button on the remote.
Typical choices include:

- Opaque background, transparent window—Only a strip of background appears behind the text, expanding as the text appears. This is the typical "As Broadcast" mode.
- Opaque background and window in the same color—When text appears, the entire line fills with color at once.

In the example below, the closed caption text is green, the background is black, and the window is red.
RENAMEING DEVICES ON THE INPUT MENU

You can rename the inputs to make them easier to recognize on the Input menu. For example, if you have a DVD player connected to the Component input, you can rename that input to display "DVD Player." See Changing the Input Source on page 12.

To change the name of an input:

1. Press the **MENU** button on the remote. The on-screen menu is displayed.
2. Use the **Arrow** buttons on the remote to highlight **Devices** and press **OK**. The DEVICES menu is displayed.
3. Highlight the input device that you want to rename and press **OK**.
4. To use a preset input name:
   a. Highlight the **Input Port** row and press **OK**.
   b. Highlight the input name you want to use and press **OK**.
   — or —
   To enter a custom name:
   a. Enter your custom label using the on-screen keyboard.
   b. Highlight **OK** and press **OK**.
   c. The Input Name changes to show the custom name that you created.
5. When you have finished naming your input, press the **EXIT** button on the remote.
**CHANGING THE TV SETTINGS**

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

### Viewing System Information
To view technical data and status information about your TV and network connection:

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

### Changing the On-Screen Menu Language
Your TV can display the on-screen menu in different languages.

To change the on-screen menu language:

1. Press the **MENU** button on the remote. The on-screen menu is displayed.
2. Use the **Arrow** buttons on the remote to highlight **System** and press **OK**. The SYSTEM menu is displayed.
3. Use the **Arrow** buttons on the remote to highlight **Menu Language** and press **OK**. The MENU LANGUAGE menu is displayed.
4. Highlight your preferred language (English, Español, or Français) and press **OK**.
5. Press the **EXIT** button on the remote.
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. Select On or Off and press OK.

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

The Parental Controls menu only appears when:
- You are using the tuner to receive your TV signals, such as when you are using an antenna for Over-the-Air signals or when connected to cable TV directly from the wall (no cable box).
- You have a device connected using a composite video cable or a coaxial cable, such as a VCR, satellite or cable box, or DVR.

Accessing the Parental Controls Menu
To access the Parental Controls menu:
1. Press the MENU button on the remote. The on-screen menu is displayed.
2. Use the Arrow buttons on the remote to highlight System and press OK. The SYSTEM menu is displayed.
3. Use the Arrow buttons on the remote to highlight Parental Controls and press OK.
4. Enter your parental PIN. If you have not set a PIN, enter the default, 0000. The PARENTAL CONTROLS menu is displayed.

To set a custom parental passcode, see Changing the Parental Control PIN on page 31.
Resetting the Content Locks

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

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

2. Highlight Reset and press OK.

Changing the Parental Control PIN

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

To change the parental control PIN:

1. From the PARENTAL CONTROLS menu, highlight Change PIN and press OK. The CHANGE PIN menu is displayed.

2. In the NEW PIN field, use the Number Pad on the remote to enter your new 4-digit parental control PIN.

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

4. Write down your new parental control PIN and save it in a secure location.

5. Press the EXIT button on the remote.

Blocking and Unblocking Content by Rating

A channel may sometimes broadcast programs that are meant for children, and at other times broadcast programs that are meant for mature audiences. You may not want to block the channel completely using a channel lock, but you may wish to block certain programs from being viewed.

When this is the case, you can use the TV’s Rating Block feature to block content based on its rating.

1. From the PARENTAL CONTROLS menu, highlight USA TV - USA 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.

5. If you want to block all unrated content, highlight Block Unrated Shows and use the Arrow buttons on the remote to select On.

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

To block or unblock content by its rating:

1. From the PARENTAL CONTROLS menu, highlight the content type you want to adjust and press OK:

   - USA TV - USA television program broadcasts.

   - USA Movie - USA movie broadcasts.

   - Canadian English - Canadian English television program broadcasts.

   - Canadian French - Canadian French television program broadcasts.

2. For each rating type you want to block or unblock, use the Up/Down and Left/Right Arrow buttons on the remote to highlight the rating type and press OK.

3. When the rating type is blocked, the Lock icon appears locked. Content with this rating and all higher ratings cannot be viewed.

4. When the rating type is unblocked, the Lock icon appears unlocked. Content with this rating and all lower ratings can be viewed.

5. When you are finished adjusting the rating level blocks, press the EXIT button on the remote.
Changing the View Mode Settings

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

To change the view mode settings:

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

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.

Some programs have black bars on the top or sides of the picture so that the picture keeps its original shape. Examples include wide-screen movies and older television programs.

To change the screen aspect ratio:

1. Press the WIDE button on the remote.
2. Use the Arrow buttons to highlight the aspect ratio you wish to view and press OK.
   - Normal preserves the content's original aspect ratio and size.
   - Standard Definition (480i and 480p—old TV programs) - Since the 4:3 aspect ratio is not large enough to fill the TV's screen, black bars are added to the left and right of the display image.
     - 720p and 720i HD - Fills a 720p or 1080p screen.
     - 1080p and 1080i HD - Not available.
   - Stretch expands a widescreen image to fill the screen from top to bottom and stretches it half as much from right to left. Figures appear tall and thin.
     - Standard Definition - Not available.
     - 720p and 720i HD - If you are watching widescreen 1.85:1 content, the image will fill the screen. With 2.35:1 widescreen content, one-sixth of the image is cut off by the left and right sides of the screen.
     - 1080p and 1080i - Not available.
   - Panoramic stretches a 4:3 aspect ratio picture to the left and right edges of the screen. The center of the image is not stretched, but the sides of the image are extremely stretched.
     - Standard Definition (480i and 480p) - Fills the screen from the left to right edges.
     - 720p and 720i - Not available.
     - 1080p and 1080i - Not available.
   - Wide stretches a 4:3 aspect ratio picture to the edges of the screen. Since the picture is being stretched, the display image may appear distorted—figures appear short and fat.
     - Standard Definition - Not available.
     - 720p and 720i HD - If you are watching widescreen 1.85:1 content, the image will fill the screen. With 2.35:1 widescreen content, one-sixth of the image is cut off by the left and right sides of the screen.
     - 1080p and 1080i HD - Fills a 1080p screen.
     - 1080p and 1080i - Not available.

Tip: The aspect ratio cannot be changed for Ultra HD content or for any video content on HDMI-5.
Adjusting the CEC Settings
The CEC function on your TV enables you to control devices connected to HDMI (ARC) input with the included remote, without any programming. Using CEC, your VIZIO TV remote can control:
• Power On/Off
• Volume
• Mute

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

To enable, disable, or adjust CEC settings:
1. Set up your audio device and connect it to the HDMI-1 (HDMI Arc) input on the TV
2. On your audio device, select the HDMI ARC input
3. Press the MENU button on the remote. The on-screen menu is displayed.
4. Use the Arrow buttons on the remote to highlight System and press OK. The SYSTEM menu is displayed.
5. Use the Arrow buttons on the remote to highlight CEC and press OK. The CEC menu is displayed.
6. Highlight CEC and press OK. Select a setting and then press OK.
   • CEC - To use CEC, you must select Enable.
   • Device Discovery - To determine if your device is connected and supports CEC, select Device Discovery and then press OK.
7. 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.
If you have changed the default parental control PIN, enter it now. The TV displays, “Select Reset to restore all TV settings to factory defaults and clear all account information.”

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.

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.

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

This includes any V.I.A. Plus Apps that you have added and any changes you have made to the settings for those Apps.

Using the Reset & Admin Menu

You can use the TV's Reset & Admin menu to restore the TV to its factory default settings.

Restoring the TV to Factory Default Settings

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

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.
USING THE GUIDED SETUP MENU

Using Guided Setup
The TV’s Setup App can be used to easily set up the TV channel or to connect the TV with your network.

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.
3. Highlight the guided setup you want to use and press OK:
   - Channel Setup - Set up the TV channel.
4. Follow the on-screen instructions. When finished, press the EXIT button on the remote.

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.

DIGITAL EPISODE GUIDE & INFO WINDOW

Oliver’s Holiday Surprise
720p  6:15pm
11:00AM - 12:00PM
TV-PG-V Dolby D Stereo
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 to view photos.

Preparing Your USB Drive to Play USB Media

To display 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.

Displaying USB Media

To display your USB media:

1. Connect your USB thumb drive to the USB port on the side of the TV.
2. Use the Arrow buttons to highlight the Yes and press OK. (The highlighted App is in the center of the dock.)
3. Use the Arrow buttons to highlight the USB drive from the list and press OK.
4. Use the Arrow buttons to highlight Photo and press OK.
5. Use the Arrow buttons to highlight the file you want to display. Press OK. The photos display.

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

Removing the USB Drive from the TV

To safely remove your USB drive from the TV:

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

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

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.
Do You Have Questions? Find Answers At

SUPPORT.VIZIO.COM

Find help with:

• New Product Setup
• Connecting Your Devices
• Technical Problems
• Product Updates
• And More

Live Chat
Support Available

You can also contact our award-winning support team at:

Phone:  (877) 698-4946 (TOLL-FREE)

Hours Of Operation:
Monday - Friday: 7 AM TO 11 PM (CST)
Saturday - Sunday: 9 AM TO 6 PM (CST)
Take A Moment To Register Your Product At
VIZIO.COM/PRODUCT-REGISTRATION

Why Register?

**Customized Support**
Get assistance quickly with your information on-hand.

**News & Offers**
Take advantage of the latest news and special offers from VIZIO.

**Safety & Satisfaction**
Stay up to date with important product updates and notifications.

REGISTER YOUR VIZIO PRODUCT NOW
The remote is not responding.
• Make sure the batteries are properly inserted matching the - and + symbols.
• Replace the batteries with fresh ones.

The TV displays “No Signal.”
• Press the INPUT button on the remote control to select a different input source.
• If you are using cable TV or antenna connected directly to the TV, scan for channels. See Scanning for Channels on page 31.

There is no power.
• Ensure the TV is plugged into a working electrical outlet.
• Ensure the power cable is securely attached to the TV.
• Press the Power/Standby button on the remote or on the back of the TV to turn the TV on.

The power is on, but there is no image on the screen.
• Ensure all cables are securely attached to the TV.
• Ensure all devices are connected correctly. Devices differ; see your device’s user manual for details.
• Adjust Brightness, Contrast, or Backlight. See Adjusting the Picture Settings on page 22.
• 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 28.
• 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 28.

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 22.
• Select a pre-set picture mode. See Adjusting the Picture Settings on page 22. VIZIO recommends selecting Calibrated.
• Check all cables to ensure they are securely attached.

The buttons on the remote aren’t working.
• Ensure you are only pressing one button at a time.
• Point the remote directly at the TV when pressing a button.
• Replace the remote batteries with new ones. See Replacing the Batteries on page 9.

The image quality is not good.
• For the best image quality, view high-definition programs using digital sources. Connect your devices with HDMI cables.
• If you are using an antenna, the signal strength of the channel may be low. Ensure your antenna is connected securely to the TV and move the antenna around the room or close to a window for the best signal.

The picture is distorted.
• Move the TV away from electrical appliances, cars, and fluorescent lights.
• Ensure all cables are securely attached.

The display image does not cover the entire screen.
• If you are using TV, AV, or Component with 480i input, press the button on the remote to change the screen mode.

The TV has pixels (dots) that are always dark.
• Your HD TV is precision-manufactured using an extremely high level of technology. However, sometimes pixels may not display correctly. These types of occurrences are inherent to this type of product and do not constitute a defective product.
I see “noise” or static on the screen.

- When your TV's digital capabilities exceed a digital broadcast signal, the signal is up-converted (improved) to match your TV's display capabilities. This up-converting can sometimes cause irregularities in the image.
- If you are using an antenna, the signal strength of the channel may be low. Ensure your antenna is connected securely to the TV and move the antenna around the room or close to a window for the best signal.

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

- The TV remembers the viewing mode on each input source. If the viewing mode on the new input source differs from the one on the input source you switch from, the difference may be noticeable.
- See Changing the Screen Aspect Ratio on page 21
<table>
<thead>
<tr>
<th>Specifications</th>
<th>D32hn-E0</th>
<th>D32hn-E0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen Size:</td>
<td>32&quot;</td>
<td></td>
</tr>
<tr>
<td>Viewable Area:</td>
<td>31.51&quot;</td>
<td></td>
</tr>
<tr>
<td>Dimensions w/ Stand:</td>
<td>28.70&quot; x 19.09&quot; x 7.87&quot;</td>
<td>28.70&quot; x 17.13&quot; x 2.91&quot;</td>
</tr>
<tr>
<td>w/o Stand:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight w/ Stand:</td>
<td>10.36 lbs</td>
<td>9.48 lbs</td>
</tr>
<tr>
<td>w/o Stand:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LCD Backlight:</td>
<td>Direct LED</td>
<td></td>
</tr>
<tr>
<td>Refresh Rate:</td>
<td>60 Hz</td>
<td></td>
</tr>
<tr>
<td>Maximum Resolution:</td>
<td>1366 x 768 (720p)</td>
<td></td>
</tr>
<tr>
<td>Dynamic Contrast Ratio:</td>
<td>200,000:1</td>
<td></td>
</tr>
<tr>
<td>Pixel Pitch:</td>
<td>0.51075 mm (H) x 0.51075 mm (V)</td>
<td></td>
</tr>
<tr>
<td>Viewing Angle:</td>
<td>178° (H) / 178° (V)</td>
<td></td>
</tr>
<tr>
<td>HDMI Inputs:</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Component Video Inputs:</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Composite Inputs:</td>
<td>1 (Shared with Component)</td>
<td></td>
</tr>
<tr>
<td>RF Antenna Input:</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>USB Port:</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Audio Outputs:</td>
<td>RCA Analog Stereo Output, Optical Digital</td>
<td></td>
</tr>
<tr>
<td>OSD Language:</td>
<td>English, French, Spanish</td>
<td></td>
</tr>
<tr>
<td>Remote Control Model:</td>
<td>XRT020</td>
<td></td>
</tr>
<tr>
<td>Certifications:</td>
<td>UL, cUL, FCC Class B, BET7/ICES-003 Class B, IC, HDMI (CEC, ARC), Dolby Digital</td>
<td></td>
</tr>
<tr>
<td>Voltage Range:</td>
<td>120 V @ 60 Hz</td>
<td></td>
</tr>
<tr>
<td>Power Consumption:</td>
<td>22 W</td>
<td></td>
</tr>
<tr>
<td>Standby Power:</td>
<td>&lt;0.5W</td>
<td></td>
</tr>
<tr>
<td>Zero Bright Pixel Guarantee:</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td><strong>Screen Size:</strong></td>
<td>39&quot;</td>
<td></td>
</tr>
<tr>
<td>------------------</td>
<td>------</td>
<td></td>
</tr>
<tr>
<td><strong>Viewable Area:</strong></td>
<td>38.50&quot;</td>
<td></td>
</tr>
<tr>
<td><strong>Dimensions w/ Stand:</strong></td>
<td>34.75&quot; x 22.68&quot; x 8.27&quot;</td>
<td></td>
</tr>
<tr>
<td><strong>w/o Stand:</strong></td>
<td>34.75&quot; x 20.51&quot; x 2.91&quot;</td>
<td></td>
</tr>
<tr>
<td><strong>Weight w/ Stand:</strong></td>
<td>14.11 lbs</td>
<td></td>
</tr>
<tr>
<td><strong>w/o Stand:</strong></td>
<td>13.67 lbs</td>
<td></td>
</tr>
<tr>
<td><strong>LCD Backlight:</strong></td>
<td>Direct LED</td>
<td></td>
</tr>
<tr>
<td><strong>Refresh Rate:</strong></td>
<td>60 Hz</td>
<td></td>
</tr>
<tr>
<td><strong>Maximum Resolution:</strong></td>
<td>1366 x 768 (720p)</td>
<td></td>
</tr>
<tr>
<td><strong>Dynamic Contrast Ratio:</strong></td>
<td>200,000:1</td>
<td></td>
</tr>
<tr>
<td><strong>Pixel Pitch:</strong></td>
<td>0.62475 mm (H) X 0.62475 mm (V)</td>
<td></td>
</tr>
<tr>
<td><strong>Viewing Angle:</strong></td>
<td>178° (H) / 178° (V)</td>
<td></td>
</tr>
<tr>
<td><strong>HDMI Inputs:</strong></td>
<td>2</td>
<td></td>
</tr>
<tr>
<td><strong>Component Video Inputs:</strong></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>Composite Inputs:</strong></td>
<td>1 (Shared with Component)</td>
<td></td>
</tr>
<tr>
<td><strong>RF Antenna Input:</strong></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>USB Port:</strong></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>Audio Outputs:</strong></td>
<td>RCA Analog Stereo Output, Optical Digital</td>
<td></td>
</tr>
<tr>
<td><strong>OSD Language:</strong></td>
<td>English, French, Spanish</td>
<td></td>
</tr>
</tbody>
</table>

**Remote Control Model:** XRT020

**Certifications:** UL, cUL, FCC Class B, BET7/ICES-003 Class B, IC, HDMI (CEC, ARC), Dolby Digital

**Voltage Range:** 120 V @ 60 Hz

**Power Consumption:** 29 W

**Standby Power:** <0.5W

**Zero Bright Pixel Guarantee:** Yes
<table>
<thead>
<tr>
<th><strong>D48n-E0</strong></th>
<th><strong>D48n-E0</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Screen Size:</strong></td>
<td>48&quot;</td>
</tr>
<tr>
<td><strong>Viewable Area:</strong></td>
<td>47.60&quot;</td>
</tr>
<tr>
<td><strong>Dimensions w/ Stand:</strong></td>
<td>42.80&quot; x 27.60&quot; x 9.80&quot;</td>
</tr>
<tr>
<td><strong>w/o Stand:</strong></td>
<td>42.80&quot; x 25.20&quot; x 2.90&quot;</td>
</tr>
<tr>
<td><strong>Weight w/ Stand:</strong></td>
<td>25.13 lbs</td>
</tr>
<tr>
<td><strong>w/o Stand:</strong></td>
<td>24.25 lbs</td>
</tr>
<tr>
<td><strong>LCD Backlight:</strong></td>
<td>Direct LED</td>
</tr>
<tr>
<td><strong>Refresh Rate:</strong></td>
<td>60 Hz</td>
</tr>
<tr>
<td><strong>Maximum Resolution:</strong></td>
<td>1920 x 1080 (1080p)</td>
</tr>
<tr>
<td><strong>Dynamic Contrast Ratio:</strong></td>
<td>200,000:1</td>
</tr>
<tr>
<td><strong>Pixel Pitch:</strong></td>
<td>0.549 mm (H) X 0.549 mm (V)</td>
</tr>
<tr>
<td><strong>Viewing Angle:</strong></td>
<td>178° (H) / 178° (V)</td>
</tr>
<tr>
<td><strong>HDMI Inputs:</strong></td>
<td>2</td>
</tr>
<tr>
<td><strong>Component Video Inputs:</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>Composite Inputs:</strong></td>
<td>1 (Shared with Component)</td>
</tr>
<tr>
<td><strong>RF Antenna Input:</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>USB Port:</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>Audio Outputs:</strong></td>
<td>RCA Analog Stereo Output, Optical Digital</td>
</tr>
<tr>
<td><strong>OSD Language:</strong></td>
<td>English, French, Spanish</td>
</tr>
<tr>
<td><strong>Remote Control Model:</strong></td>
<td>XRT020</td>
</tr>
<tr>
<td><strong>Certifications:</strong></td>
<td>UL, cUL, FCC Class B, BET7/ICES-003 Class B, IC, HDMI (CEC, ARC), Dolby Digital</td>
</tr>
<tr>
<td><strong>Voltage Range:</strong></td>
<td>120 V @ 60 Hz</td>
</tr>
<tr>
<td><strong>Power Consumption:</strong></td>
<td>43W</td>
</tr>
<tr>
<td><strong>Standby Power:</strong></td>
<td>&lt;0.5W</td>
</tr>
<tr>
<td><strong>Zero Bright Pixel Guarantee:</strong></td>
<td>Yes</td>
</tr>
</tbody>
</table>
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:
• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• 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
The changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate this equipment.
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.
Caution
Always use an AC/DC power adapter that is properly grounded. Use the AC cords listed below for each area.
Canada Notice for License-Exempt Radio Apparatus
This device complies with Industry Canada’s license-exempt RSSs. 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.
This device operates on a no-protection no-interference basis. Should the user seek to obtain protection from other radio services operating in the same TV bands, a radio licence is required. Please consult Industry Canada’s document CPC-2-1-28, Optional Licensing for Low-Power Radio Apparatus in the TV Bands, for details.
Cet appareil est conforme aux CNR exempts de licence d’Industrie Canada. Son fonctionnement est sujet aux deux conditions suivantes: 1. le dispositif ne doit pas produire de brouillage préjudiciable, et 2. ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.
Industry Canada Class B emission compliance statement
This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.
Declaración de México:
La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.
No recibe señales de television digital.
Limited Warranty

FOR UNITED STATES AND CANADA ONLY

BY USING YOUR VIZIO PRODUCT YOU AGREE TO BE BOUND BY ALL THE TERMS OF THIS WARRANTY. BEFORE USING YOUR VIZIO PRODUCT, PLEASE READ THIS WARRANTY CAREFULLY. IF YOU DO NOT AGREE TO THE TERMS OF THIS WARRANTY, DO NOT USE THE VIZIO PRODUCT AND, WITHIN THIRTY (30) DAYS OF THE DATE OF PURCHASE, RETURN IT FOR A REFUND TO THE AUTHORIZED RETAILER WHERE YOU PURCHASED IT. This warranty contains a binding arbitration agreement and a class action waiver for United States residents. If you live in the United States, the binding arbitration agreement and class action waiver affect your rights under this warranty. Please read the text under the section titled “Binding Arbitration Agreement; Class Action Waiver (U.S. Residents Only)” carefully.

How Long This Warranty Lasts

This warranty is for non-commercial use. VIZIO warrants the product on the terms set forth below for one (1) year from the date of original purchase. For commercial use, VIZIO warrants this product on the terms set forth below for ninety (90) days from the date of original purchase.

What This Warranty Covers

VIZIO warrants the product against defects in materials and workmanship when the product is used normally in accordance with VIZIO’s user guides and manuals. Except where restricted by law, this warranty applies only to the original purchaser of a new product. The purchase must have been made from an authorized retailer in the United States (including Puerto Rico) or Canada. The product must also be located in the country where it was purchased at the time of warranty service.

Zero Bright Pixel Defect Guarantee (TVs Only)

Your product may qualify for a warranty against “zero bright pixel” defects for the duration of the warranty on select new product purchases. To determine if this guarantee applies to your product, refer to the model’s product information page at www.vizio.com, look for the “zero bright pixel” guarantee on the box, or contact VIZIO Technical Support at the email address or telephone number below.

How to Get Service

Before obtaining warranty service, you may visit www.vizio.com for additional help and troubleshooting. To obtain warranty service, contact VIZIO Technical Support via email at TechSupport@VIZIO.com or via phone at 877 MY VIZIO (877-698-4946). The VIZIO Technical Support hours are 6:00AM to 9:00PM Monday through Friday and 7:00AM to 4:00PM Saturday and Sunday, Pacific Time.

Your Obligations Before Service

You must obtain pre-authorization before sending your product to a VIZIO service center. You may be required to supply a purchase receipt (or copy) to show that the product is within the warranty period. When you return a product to a VIZIO service center, you must ship the product in its original packaging or in packaging that affords an equal degree of protection. VIZIO Technical Support will provide instructions for packing and shipping the product to the VIZIO service center. ALL USER DATA AND DOWNLOADED APPLICATIONS STORED ON A PRODUCT WILL BE DELETED IN THE COURSE OF SOME IN-HOME AND ALL TYPES OF SERVICE. Your data and downloaded applications is not covered under this warranty. In order to protect your personal information, VIZIO recommends that you always clear all personal information from the product before it is serviced, regardless of the servicer.

VIZIO’s Responsibilities

If VIZIO determines that a product is covered by this warranty, VIZIO will (at its option) repair or replace it, or refund the purchase price to you. There will be no charge for parts or labor during the warranty period. Replacement parts may be new or new reconditioned at VIZIO’s option and sole discretion. Replacement parts and labor are warranted for the remaining portion of the original warranty or for ninety (90) days from warranty service, whichever is longer.

Types of Service

VIZIO will provide other service options when in-home service is not available. All other VIZIO 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.

What This Warranty Does Not Cover

This warranty does not cover: (a) cosmetic damage; (b) normal wear and tear; (c) improper operation; (d) improper voltage supply or power surges; (e) signal issues; (f) damage from shipping; (g) acts of God; (h) customer misuse, modifications or adjustments; (i) installation, set-up, or repairs attempted by anyone other than by a VIZIO authorized service center; (j) products with unreadable or removed serial numbers; (k) products requiring routine maintenance; or (l) products sold “AS IS”, “CLEARANCE”, “FACTORY RECONDITIONED”, or by a non-authorized reseller.

What to Do If You Are Not Satisfied With Service

If you feel VIZIO has not met its obligations under this warranty, you may attempt to resolve the issue informally with VIZIO. If you are unable to resolve the issue informally and wish to file a formal claim against VIZIO, you must follow all of the steps set forth in this warranty before filing your claim. If you are a resident of the United States, you may submit your claim to binding arbitration according to the procedures described below, unless an exception applies. Submitting a claim to binding arbitration means that you do not have the right to have your claim heard by a judge or jury. Instead your claim will be heard by a neutral arbitrator.

Binding Arbitration Agreement; Class Action Waiver (U.S. Residents Only)

UNLESS YOU HAVE BROUGHT AN ELIGIBLE CLAIM IN SMALL CLAIMS COURT OR HAVE OPTED OUT AS DESCRIBED BELOW, ANY CONTROVERSY OR CLAIM RELATING IN ANY WAY TO YOUR VIZIO PRODUCT, INCLUDING ANY CONTROVERSY OR CLAIM ARISING OUT OF OR RELATING TO THIS WARRANTY, A BREACH OF THIS WARRANTY, OR THE VIZIO PRODUCT’S SALE, CONDITION OR PERFORMANCE, WILL BE SETTLED BY BINDING ARBITRATION ADMINISTERED BY THE AMERICAN ARBITRATION ASSOCIATION AND CONDUCTED BY A SINGLE ARBITRATOR APPOINTED BY THE AMERICAN ARBITRATION ASSOCIATION, IN ACCORDANCE WITH ITS COMMERCIAL ARBITRATION RULES AND ITS SUPPLEMENTARY PROCEDURES FOR CONSUMER-RELATED DISPUTES. You may learn more about the American Arbitration Association and its rules for arbitration by visiting www.adr.org or by calling 800-778-7879. Since this warranty concerns a transaction in interstate or international commerce, the Federal Arbitration Act will apply. The filing fees to begin and carry out arbitration will be shared between you and VIZIO, but in no event will your fees ever exceed the amount allowable by the American Arbitration Association, at which point VIZIO

D
will cover all additional administrative fees and expenses. VIZIO waives its right to recover attorneys’ fees in connection with any arbitration under this warranty. If you are the prevailing party in an arbitration to which the Supplementary Procedures for Consumer-Related Disputes applies, then you are entitled to recover attorneys’ fees as the arbitrator may determine.

The dispute will be governed by the laws of the state or territory in which you resided at the time of your purchase (if in the United States). The place of arbitration will be Irvine, California, or your county of residence (if in the United States). The arbitrator will have no authority to award punitive or other damages not measured by the prevailing party’s actual damages, except as may be required by statute. The arbitrator will not award consequential damages, and any award will be limited to monetary damages and will include no equitable relief, injunction, or direction to any party other than the direction to pay a monetary amount. Judgment on the award rendered by the arbitrator will be binding and final, except as may be required by law, and may not include attorneys’ fees (or any similar fees, such as cost awards and expert witness fees), which may not be recovered except to the extent specifically awarded by the arbitrator. Any and all disputes, claims and causes of action arising out of or connected with this warranty or the subject matter of this warranty, whether in tort, contract, or otherwise, will be resolved individually, without consolidation with or合并其他仲裁或程序

The dispute will be governed by the laws of the state or territory in which you resided at the time of your purchase (if in the United States). The place of arbitration will be Irvine, California, or your county of residence (if in the United States). The arbitrator will have no authority to award punitive or other damages not measured by the prevailing party’s actual damages, except as may be required by statute. The arbitrator will not award consequential damages, and any award will be limited to monetary damages and will include no equitable relief, injunction, or direction to any party other than the direction to pay a monetary amount. Judgment on the award rendered by the arbitrator will be binding and final, except as may be required by law, and may not include attorneys’ fees (or any similar fees, such as cost awards and expert witness fees), which may not be recovered except to the extent specifically awarded by the arbitrator. Any and all disputes, claims and causes of action arising out of or connected with this warranty or the subject matter of this warranty, whether in tort, contract, or otherwise, will be resolved individually, without consolidation with or combination with another arbitration or proceeding. WITHOUT THE PRIOR WRITTEN CONSENT OF ALL PARTIES TO ANY SUCH ARBITRATION OR PROCEEDING.

Exceptions to Binding Arbitration Agreement and Class Action Waiver

Exclusions and Limitations

TO THE GREATEST EXTENT PERMITTED BY APPLICABLE LAW, THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE DESCRIBED ABOVE. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WILL BE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE. SOME STATES AND PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. VIZIO WILL NOT BE RESPONSIBLE FOR LOSS OF USE, LOSS OF INFORMATION OR DATA, COMMERCIAL LOSS, LOST REVENUE OR PROFITS, OR OTHER INDIRECT, INCIDENTAL, CONSEQUENTIAL DAMAGES, EVEN IF VIZIO HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, AND EVEN IF THE REMEDY FAILS OF ITS ESSENTIAL PURPOSE. SOME STATES AND PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. IN LIEU OF ANY OTHER REMEDY FOR ANY AND ALL LOSSES AND DAMAGES RESULTING FROM ANY CAUSE WHATSOEVER (INCLUDING VIZIO’S NEGLIGENCE, ALLEGED DAMAGE, OR DEFECTIVE GOODS, NO MATTER WHETHER SUCH DEFECTS ARE DISCOVERABLE OR LATENT), VIZIO MAY, AT ITS SOLE AND EXCLUSIVE OPTION AND IN ITS DISCRETION, REPAIR OR REPLACE YOUR PRODUCT, OR REFUND ITS PURCHASE PRICE. AS LONG AS ANY PROVISIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

How the Law Applies

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state and province to province. This warranty applies to the greatest extent permitted by applicable law.

General

No employee or agent of VIZIO may modify this warranty. If any term of this warranty, other than the class action waiver, is found to be unenforceable, that term will be severed from this warranty and all other terms will remain in effect. If the class action waiver is found to be unenforceable, then the entire section titled “Binding Arbitration Agreement; Class Action Waiver (U.S. Residents Only)” will not apply. This warranty applies to the maximum extent not prohibited by law.

Changes to Warranty

This warranty may change without notice, but any change will not affect your original warranty. Check www.vizio.com for the most current version.
Mexico Limited Warranty

FOR MEXICO ONLY

BY USING YOUR VIZIO PRODUCT YOU AGREE TO BE BOUND BY ALL THE TERMS OF THIS WARRANTY. BEFORE USING YOUR VIZIO PRODUCT, PLEASE READ THIS WARRANTY CAREFULLY. IF YOU DO NOT AGREE TO THE TERMS OF THIS WARRANTY, DO NOT USE THE VIZIO PRODUCT AND, WITHIN THIRTY (30) DAYS OF THE DATE OF PURCHASE, RETURN IT FOR A REFUND TO THE AUTHORIZED RETAILER WHERE YOU PURCHASED IT.

Warrantor

The warrantor under this warranty is VIZIO Sales & Marketing Mexico S. de R.L. de C.V.

How Long This Warranty Lasts

For non-commercial use, VIZIO warrants the product on the terms set forth below for ninety (90) days from the date of original purchase. For commercial use, VIZIO warrants this product on the terms set forth below for ninety (90) days from the date of original purchase.

What This Warranty Covers

VIZIO warrants the product against defects in materials and workmanship when the product is used normally in accordance with VIZIO’s user guides and manuals. Except where restricted by law, this warranty applies only to the original purchaser of a new product. The purchase must have been made from an authorized retailer in Mexico. The product must also be located in Mexico at the time of warranty service.

Zero Bright Pixel Defect Guarantee (TVs Only)

Your product may qualify for a warranty against defects in materials and workmanship when the product is used normally in accordance with VIZIO’S user guides and manuals.

How to Get Service

Before obtaining warranty service, you may visit www.vizio.mx for warranty service. VIZIO will cover return shipping to the customer. All other VIZIO 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.

What This Warranty Does Not Cover

This warranty does not cover: (a) cosmetic damage; (b) normal wear and tear; (c) improper operation; (d) improper voltage supply or power surges; (e) signal issues; (f) damage from shipping; (g) acts of God; (h) customer misuse, modifications or adjustments; (i) installation, set-up, or repairs attempted by anyone other than by a VIZIO authorized service center; (j) products with unreadable or removed serial numbers; (k) products requiring routine maintenance; or (l) products sold “AS IS”, “CLEARANCE”, “FACTORY RECERTIFIED”, or by a non-authorized reseller.

What to Do If You Are Not Satisfied With Service

If you feel VIZIO has not met its obligations under this warranty, you may attempt to resolve the issue informally with VIZIO. If you are unable to resolve the issue informally and wish to file a formal claim against VIZIO, you may do so.

Exclusions and Limitations

TO THE GREATEST EXTENT PERMITTED BY APPLICABLE LAW, THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE DESCRIBED ABOVE. ALL IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WILL BE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE. SOME STATES AND PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

VIZIO WILL NOT BE RESPONSIBLE FOR LOSS OF USE, LOSS OF INFORMATION OR DATA, COMMERCIAL LOSS, LOST REVENUE OR LOST PROFITS, OR OTHER INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, EVEN IF VIZIO HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, AND EVEN IF THE REMEDY FAILS OF ITS ESSENTIAL PURPOSE. SOME STATES AND PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

IN LIEU OF ANY OTHER REMEDY FOR ANY AND ALL LOSSES AND DAMAGES RESULTING FROM ANY FAULT OR NEGLIGENCE, ALLEGED DAMAGE, OR DEFECTIVE GOODS, NO MATTER WHETHER SUCH DEFECTS ARE DISCOVERABLE OR LATENT, VIZIO MAY, AT ITS SOLE AND EXCLUSIVE OPTION AND IN ITS DISCRETION, REPAIR OR REPLACE YOUR PRODUCT, OR REFUND ITS PURCHASE PRICE. AS NOTED, SOME STATES AND PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

How the Law Applies

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state and province to province. This warranty applies to the greatest extent permitted by applicable law.
General
No employee or agent of VIZIO may modify this warranty. If any term of this warranty is found to be unenforceable, that term will be severed from this warranty and all other terms will remain in effect. This warranty applies to the maximum extent not prohibited by law.

Changes to Warranty
This warranty may change without notice, but any change will not affect your original warranty. Check www.vizio.mx for the most current version.

INFORMATION EXCLUSIVELY FOR MEXICO
To make a warranty claim, or to obtain parts, components, supplies and accessories, you may contact the importer of record, the warranty service provider, or the establishment from whom you purchased the VIZIO product.

Importer of Record
VIZIO Sales & Marketing México S de RL de CV
Presidente Masaryk 111, Of 152 - Of 111
Col. Polanco V Sección
Delegación Miguel Hidalgo
México Distrito Federal
C.P. 11560
Date of purchase:
Model:
Brand:

To make a warranty claim, present your product and either this warranty, duly stamped by the establishment from whom you purchased the VIZIO product, or a valid invoice or receipt showing the date of purchase.

Under the terms of this warranty, VIZIO or its representative must exchange parts and components of the product and include labor and shipping expenses of the product on which this warranty is valid, within the service network, at no cost to the consumer. VIZIO is not obligated to honor the warranty in the following cases.
(a) When the product has been used under other than normal conditions.
(b) When the product has not been operated according to the accompanying instructions for use.
(c) When the product has been altered or repaired by persons not authorized by VIZIO or the respective seller.
Software Licenses
All software is provided subject to a software license agreement(s) and you agree that you will be bound by such license agreement(s) in addition to these terms. Your use of this product is subject to VIZIO’s privacy policy, which may be updated from time to time, and is available to view at http://www.vizio.com/privacy.

Export Regulations
Customer acknowledges that the VIZIO products, which include technology and software, are subject to customs and export control laws in the United States (“US”). The products may also be subject to the customs and export control laws and regulations of the country in which the products are manufactured and/or received.

Internet Connectivity
Network conditions, environmental and other factors may negatively affect connectivity and the resulting video quality, if any.

The applications and content of the applications pictured herein or described in accompanying documentation may only be available in certain countries or languages, may require additional fees or subscription charges, and may be subject to future updates, modifications or discontinuation without notice. VIZIO has no control over third party applications or content and assumes no responsibility for the availability or interruption of such applications or content. Additional third party terms, conditions and restrictions apply.

If you are traveling internationally, check the customs regulations for device use for each country you will visit, and check the power cord and adapter requirements for each location in which you plan to use the computer as voltage, frequency and plug configurations may vary.

Internet Connectivity

Caution: Avoid exposing a drive to magnetic fields. Security devices with magnetic fields may include airport walk-through devices and security wands. Airport conveyor belts or similar security devices that check carry-on luggage generally use X-rays and should not cause magnetic damage to drives.

Battery Disposal

Caution: Battery cells may explode. Do not dispose of the battery in a fire or with ordinary household waste. Dispose of batteries promptly. Replace the battery only with the same or equivalent type of battery recommended by VIZIO.

Warning: To reduce risk of electric shock, fire or damage to your device or other property, do not attempt to power the device with a voltage converter kit sold for appliances.

Caution: Battery cells may explode. Do not dispose of the battery in a fire or with ordinary household waste. Dispose of batteries promptly. Replace the battery only with the same or equivalent type of battery recommended by VIZIO.

© 2015 VIZIO, Inc. All Right Reserved.

This Quick Start Guide may not be copied in whole or in part without the written permission of VIZIO, Inc. VIZIO, Inc. has made reasonable efforts 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. is not responsible for typographical, technical, or descriptive errors.

VIZIO, the VIZIO logo, the V logo, and other terms and phrases are trademarks or registered trademarks of VIZIO, Inc.

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

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. Used under license.

For DTS patents, see http://patents.dts.com. Manufactured under license from DTS Licensing Limited. DTS, the Symbol, & DTS and the Symbol together are registered trademarks, and DTS Studio Sound is a trademark of DTS, Inc. © DTS, Inc. All Rights Reserved.

Dolby and the double-D symbol are registered trademarks of Dolby Laboratories.

Other names of companies, products, and services used in this Quick Start Guide may be trademarks, trade names or service marks of others and VIZIO, Inc. disclaims any interest in trademarks, trade names or service marks other than its own. Mention of non-VIZIO products is for informational purposes only.