Model M43-C1, M49-C1, M50-C1, M65-C1, & M75-C1

USER MANUAL
THANK YOU FOR CHOOSING VIZIO

And congratulations on your new VIZIO HDTV.

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

PRODUCT REGISTRATION

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

We recommend that you register your VIZIO product at www.VIZIO.com

Extended Warranties

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

WHEN READING THIS MANUAL

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

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

IMPORTANT SAFETY INSTRUCTIONS

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

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

- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Unplug the power cord before cleaning your TV.
- When moving your TV from an area of low temperature to an area of high temperature, condensation may form in the housing. Wait before turning on your TV to avoid causing fire, electric shock, or component damage.
- A distance of at least three feet should be maintained between your TV and any heat source, such as a radiator, heater, oven, amplifier etc. Do not install your TV close to smoke. Operating your TV close to smoke may cause fire, electric shock, or component damage.
- Slots and openings in the back and bottom of the cabinet are provided for ventilation. To ensure reliable operation of your TV and to protect it from overheating, be sure these openings are not blocked or covered. Do not place your TV in a bookcase or cabinet unless proper ventilation is provided.
- Never push any object into the slots and openings of your TV cabinet. Do not place any objects on the top of your TV. Doing so could short circuit parts causing a fire or electric shock. Never spill liquids on your TV.
- Your TV should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
• Do not apply pressure or throw objects at your TV. This may compromise the integrity of the display. The manufacturer’s warranty does not cover user abuse or improper installations.
• The power cord must be replaced when using different voltage than the voltage specified. For more information, contact your dealer.
• When connected to a power outlet, power is always flowing into your TV. To totally disconnect power, unplug the power cord.
• The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of un-isolated, dangerous voltage within the inside of your TV that may be of sufficient magnitude to constitute a risk of electric shock to persons.
• Do not overload power strips and extension cords. Overloading can result in fire or electric shock.
• The wall socket should be installed near your TV and easily accessible.
• Only power of the marked voltage can be used for your TV. Any other voltage than the specified voltage may cause fire or electric shock.
• Do not touch the power cord during lightning. To avoid electric shock, avoid handling the power cord during electrical storms.
• Unplug your TV during a lightning storm or when it will not be used for long period of time. This will protect your TV from damage due to power surges.
• Do not attempt to repair or service your TV yourself. Opening or removing the back cover may expose you to high voltages, electric shock, and other hazards. If repair is required, contact your dealer and refer all servicing to qualified service personnel.
• WARNING: Keep your TV away from moisture. Do not expose your TV to rain or moisture. If water penetrates into your TV, unplug the power cord and contact your dealer. Continuous use in this case may result in fire or electric shock.
• Do not use your TV if any abnormality occurs. If any smoke or odor becomes apparent, unplug the power cord and contact your dealer immediately. Do not try to repair your TV yourself.
• Avoid using dropped or damaged appliances. If your TV is dropped and the housing is damaged, the internal components may function abnormally. Unplug the power cord immediately and contact your dealer for repair. Continued use of your TV may cause fire or electric shock.
• Do not install your TV in an area with heavy dust or high humidity. Operating your TV in environments with heavy dust or high humidity may cause fire or electric shock.
• Follow instructions for moving your TV. Ensure that the power cord and any other cables are unplugged before moving your TV.
• When unplugging your TV, hold the AC/DC power adapter, not the cord. Pulling on the power cord may damage the wires inside the cord and cause fire or electric shock. When your TV will not be used for an extended period of time, unplug the power cord.
• To reduce risk of electric shock, do not touch the connector with wet hands.
• Insert batteries in accordance with instructions. Incorrect polarities may cause the batteries to leak which can damage the remote control or injure the operator. Do not expose batteries to excessive heat such as sunshine, fire or the like.
• If any of the following occurs, contact the dealer:
  - The power cord fails or frays.
  - Liquid sprays or any object drops into your TV.
  - Your TV is exposed to rain or other moisture.
  - Your TV is dropped or damaged in any way.
  - The performance of your TV changes substantially.
• This apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
• The mains plug or appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
• CAUTION - These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

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

If an outside antenna/satellite dish or cable system is to be connected to the TV, make sure that the antenna or cable system is electrically grounded to provide some protection against voltage surges and static charges.

Article 810 of the National Electrical Code, ANSI/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.
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INSPECTING THE PACKAGE CONTENTS

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

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

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

Installing the TV Stand

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

- It is placed on an uneven, unstable, or non-level surface
- It is pushed, pulled, or otherwise improperly moved
- If an earthquake occurs and the TV is not properly secured

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

To install the stands:

1. Insert the stands into the base of the TV.
2. Secure each stand to the TV with two (2) Phillips screws (included). Insert the screws into the back of the TV and tighten them using a Phillips screwdriver.
3. When you are finished, place the TV on a stable, level surface.

⚠️ It is recommended that two people take part in the base installation.
Installing the TV on a Wall

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

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

To install your TV on a wall:

1. Disconnect any cables connected to your TV.
2. Place the TV face-down on a clean, flat, stable surface. Be sure the surface is clear of debris that can scratch or damage the TV.
3. Remove the stands by loosening and removing the screws.
4. Attach your TV and wall mount to the wall, carefully following the instructions that came with your mount. Use only with a UL-listed wall mount bracket rated for the weight/load of this TV.

For some wall mounts, you may want to use cables with right-angle connectors. This allows the TV to rest closer to the wall.

### WALL-MOUNT SCREW LOCATIONS

<table>
<thead>
<tr>
<th></th>
<th>M43-C1</th>
<th>M49-C1</th>
<th>M50-C1</th>
<th>M65-C1</th>
<th>M75-C1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screw Size:</td>
<td>M6</td>
<td>M6</td>
<td>M6</td>
<td>M6</td>
<td>M8</td>
</tr>
<tr>
<td>Hole Pattern:</td>
<td>200mm (V) x 200mm (H)</td>
<td>200mm (V) x 200mm (H)</td>
<td>200mm (V) x 200mm (H)</td>
<td>400mm (V) x 400mm (H)</td>
<td>400mm (V) x 400mm (H)</td>
</tr>
<tr>
<td>Weight w/o Stand:</td>
<td>22.05 lbs</td>
<td>30.07 lbs</td>
<td>32.19 lbs</td>
<td>60.72 lbs</td>
<td>102.29 lbs</td>
</tr>
</tbody>
</table>
REMOTE SENSOR & POWER INDICATOR
When using the remote, aim it directly at this sensor.
The power indicator flashes on when the TV turns on, then goes out after several seconds.
To keep the power indicator on as long as the TV is on, see Turning the Power Indicator On or Off on page 46.
REAR PANEL

Ethernet - Connect Ethernet cable from home network.

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

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

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

Component/Composite - Connect component or composite device.

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

HDMI - Connect HDMI device.

Power - Press once to turn on the TV.

Volume - Press the + button to increase volume and the - button to decrease volume.

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.
REMOTE CONTROL

APP LAUNCHER
Quickly launch the pictured App.

INPUT
Change the currently displayed input.

A/V CONTROLS
Control USB media player and video streaming playback.

CLOSED CAPTIONS
Turn closed captions on and off.

EXIT
Close the on-screen menu.

OK
Select the highlighted option.

BACK
Go to the previous on-screen menu.

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

MUTE
Turn the audio off or on.

WIDE
Change the display mode.

NUMBER PAD
Manually enter a channel.

ENTER
Confirm channel or passcode entered using the Number Pad.

POWER
Turn TV on or off.

MENU
Display the on-screen menu.

INFO
Display the info window.

ARROW
Navigate the on-screen menu.

GUIDE
Navigate the on-screen menu.

CHANNEL UP/DOWN
Change the channel.

V BUTTON
Open the VIZIO Internet Apps Plus® (V.I.A. Plus) dock.

LAST
Return to the channel last viewed.

PIC
Opens the Picture Mode menu.

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

SHIFT
Press and hold while pressing another key to enter a capital letter. For example, press ALT and W to enter a # character.

ALT
Press and hold while pressing another key to enter a blue character. For example, press ALT and W to enter a # character.

ARROWS
Navigate the on-screen menu.

DO NOT COVER THIS AREA
This is the transmitter.
Replacing the Batteries

1. Press in on the button on the rear of the remote.
2. Remove the battery cover.
3. Insert two AAA batteries into the remote control. Make sure that the (+) and (-) symbols on the batteries match the (+) and (-) symbols inside the battery compartment.
4. Replace the battery cover.
CONNECTING A DEVICE

Your TV can be used to display output from most devices.

1. Verify that your device has a video port that matches an available port on the TV (HDMI, Component, etc.).
2. Turn the TV and your device off.
3. Connect the appropriate cable (not included) to the TV and the device.
4. Turn the TV and your device on. Set the TV’s input to match the connection you used (HDMI-1, HDMI-2, etc.).
**CONNECTING A DEVICE - AUDIO & VIDEO CABLE TYPES**

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

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

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

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

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

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

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

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

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* High-Speed HDMI cable required for UHD resolutions
CONNECTING AN AUDIO DEVICE

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

1. Verify that your device has an audio port that matches an available port on the TV (Optical, RCA, etc).
2. Turn the TV and your audio device off.
3. Connect the appropriate cable (not included) to the TV and the device.
4. Turn the TV and your device on.

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

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

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

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

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

HDMI CABLE
HDMI technology transmits crystal-clear digital multi-channel surround audio through a single HDMI cable. Audio Return Channel-enabled (ARC) TVs allow audio to be sent over an already connected HDMI cable, eliminating the need for a separate audio cable. See Connecting an Audio Device - Arc on page 18.

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

WITHOUT HDMI ARC

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

WITH HDMI ARC

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

Your TV is Internet-ready. It can be connected to your home network with a Wired or Wireless connection.

Connecting to a Wired Network (Best)
1. Connect an Ethernet cable to your router and to the Ethernet port on the back of the TV. See below.
2. Use the Guided Network Setup to configure the TV. See Using Guided Setup on page 48.

Connecting to a Wireless Network
1. Ensure you have a router or modem broadcasting as high-speed wireless signal (802.11n recommended).
2. Use the Guided Network Setup to configure the TV. See Using Guided Setup on page 48.

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.
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 country, and then press OK.
Select your time zone and press **OK**.

Select the name of your wireless network from the list of available networks and press **OK**.

Enter the network password using the keyboard on the remote, then highlight **Connect** and press **OK**.

Use the **Arrow** and **OK** buttons on the remote to review the Terms Of Service and Privacy Policy. When you are finished, highlight **I Accept** and press **OK**.

Enter your **E-mail Address**, **First Name**, **Last Name**, and **Zip Code** using the keyboard on the remote. Highlight **Next** and press **OK**.
3

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.
4

Your TV features an easy-to-use on-screen menu.

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

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

NAVIGATING THE ON-SCREEN MENU

To open the on-screen menu, press the MENU button on the remote. Use the Arrow buttons to highlight a menu option, and press the OK button to select that option.

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

CHANGING THE INPUT SOURCE

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

To change the input source:
1. Press the INPUT button on the remote. The Input menu is displayed.
2. Use the Up/Down Arrow buttons or the INPUT button on the remote to highlight the input you wish to view and press OK. The selected input is displayed.

Note: Inputs may vary by TV.

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 41 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. See Adjusting the Wide Mode (Aspect Ratio) on page 45 for an alternate way of adjusting the screen aspect ratio.

To change the screen aspect ratio:

1. Press the ▶ OK button on the remote.
2. Use the Arrow buttons to highlight the aspect ratio you wish to view and press OK.
   - Normal preserves the content’s original aspect ratio. Since the 4:3 aspect ratio is not large enough to fill the TV’s screen, black bars are added to the left and right of the display image.
   - Stretch expands the display image to fill the screen. Images may appear wider than intended. If you are watching widescreen (1.85:1 or 2.35:1) content, black bars will still appear on the top and bottom of the display image. This option is only available when the TV is displaying a 720p/1080i/1080p source.
   - Panoramic expands the display image to fill the screen. Images may appear wider than intended. If you are watching widescreen (1.85:1 or 2.35:1) content, black bars will still appear on the top and bottom of the display image. This option is only available when the TV is displaying a 480i/480p source.
   - Wide stretches a 4:3 aspect ratio picture to the edges of the screen. Since the picture is being stretched, the display image may appear distorted. If the program is already formatted for widescreen viewing (1.85:1 or 2.35:1), then black bars will appear on the top and bottom of the display image.
   - Zoom expands images with black bars to fit the screen.

VIEWING VIDEO WITH THE MENU OPEN

When the on-screen menu opens, it covers the left-hand portion of the picture. The picture can be displayed in three different ways:

- Full-sized and centered on the screen (Overlay) - The left-hand portion of the picture covered by the menu.
- Resized to fit (Viewport) - The entire picture is visible in the space to the right of the menu.
- Full-sized and aligned to the right edge of the menu (Centered Overlay) - The picture extends off of the right side of the screen.

To change the position of the picture while the on-screen menu is displayed:

1. Use the Arrow buttons on the remote to highlight ▶ OK. Resize Video.
2. Press OK to cycle through the three display methods.
3. Press the Up Arrow button on the remote to the menu.
4. See Changing the View Mode Settings on page 45 for an alternate method of adjusting the video.

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.

Changes made while on any preset picture mode will add an asterisk on the top right corner of the preset mode (see Saving a Custom Picture Mode on page 27).

To adjust the picture settings:

1. Press the MENU button on the remote. The on-screen menu is displayed.
2. Use the Arrow buttons on the remote to highlight Picture and press OK. The PICTURE menu is displayed.

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

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

5. When you have finished adjusting the picture settings, press the EXIT button on the remote.
Adjusting 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** - Adjusts the ‘warmness’ and ‘coolness’ of the white areas of the picture. Select Cool, Normal, or Computer.
   - **Cool** produces a blue-hued picture.
   - **Computer** optimizes the picture for use as a PC monitor.
   - **Normal** is optimized for television viewing.
   - **Black Detail** - Adjusts the average brightness of the picture to compensate for large areas of brightness. Select Off, Low, Medium, or High.
   - **Active LED Zones** - Dynamically improves the contrast ratio of the picture by adjusting the backlight. The adjustment is controlled by the content on the screen. Select On or Off.
   - **Reduce Judder** - Activates Smooth Motion motion estimation/motion compensation, which suppresses motion judder, or ‘stuttering’ of the image when the camera moves across a scene horizontally. As the setting increases, judder is reduced.
   - **Reduce Motion Blur** - Increases frame rate to reduce motion blur of 60 hertz video. As the setting increases, motion blur is reduced.
   - **Clear Action** - Reduces blur in scenes with fast action. Some sensitive viewers may notice flicker. Select On or Off.
   - **Reduce Noise**
     - **Reduce Signal Noise** - Diminishes artifacts in the image caused by the digitizing of image motion content. Select Off, Low, Medium, or High.
     - **Reduce Block Noise** - Reduces pixelation and distortion for mpeg files. Select Off, Low, Medium, or High.
   - **Game Low Latency** - Select On to reduce video delay (lag) when gaming.
   - **Picture Size & Position** - Highlight Picture Size & Position and press OK. The PICTURE SIZE & POSITION menu is displayed.
     - **Picture Size**: Increase or decrease the vertical and horizontal size of the displayed picture. Use the 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. Select 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.
   - **Color Space** - Select Color Space for the source. Video sources uses YCbCr, but PC uses RGB.
   - **Gamma** - Set the shape of the Gamma curve. Use lower Gamma values for bright room conditions, and higher values when it’s dark.

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

Adjusting the 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 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. 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.

Inputs assigned to a deleted custom picture mode become assigned to the Calibrated picture mode.

Resetting Picture Mode
Reset the picture mode settings (for a preset picture mode) to the factory default values.

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.

Select Reset to restore Standard picture mode to factory defaults.
Adjusting the Color Tuner Settings

The Color Tuner settings allow you to adjust the HSB color and 11 point white balance, turn color channels off for testing, and display color bar, flat, and ramp test patterns.

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 the Hue, Saturation, Brightness, Offset, or Gain of the color you wish to adjust. Press the OK button.

3. Use the Left/Right Arrow buttons to adjust the value. When you are finished adjust the color tuner settings, press the EXIT button.

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

To turn color channels off and on:

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

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

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

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

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

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.

The Color Tuner, 11 Point White Balance, and test patterns allow technicians to manually calibrate the TV. Calibration requires specialized training, an input with precisely set colors, and a specialized light meter.

To adjust the HSB color settings:

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

2. Use the Arrow buttons on the remote to highlight the Hue, Saturation, Brightness, Offset, or Gain of the color you wish to adjust. Press the OK button.

3. Use the Left/Right Arrow buttons to adjust the value. When you are finished press the OK button to save the setting.

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

To turn color channels off and on:

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

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

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

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

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

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.

The Color Tuner, 11 Point White Balance, and test patterns allow technicians to manually calibrate the TV. Calibration requires specialized training, an input with precisely set colors, and a specialized light meter.

To adjust the 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.

The Color Tuner, 11 Point White Balance, and test patterns allow technicians to manually calibrate the TV. Calibration requires specialized training, an input with precisely set colors, and a specialized light meter.
To 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 highlight `On` to show the SMPTE Pattern.
—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 `Off`. Use the Left/Right Arrow buttons to highlight `On` to show the SMPTE Pattern.
—or—
To disable 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.
   - Volume Leveling - Volume leveling uses DTS TruVolume™ to maintain consistent volume levels during transitions between program content, AV formats, and input sources. Select On or Off. In a few cases, volume leveling may artificially suppress volume increases, making it difficult to hear dialog or flattening sudden noises. If this occurs, turn volume leveling off.
   - Balance - Adjusts the loudness of the audio output from the left and right speakers.
   - Lip Sync - Adjusts the synchronization between the display image and the accompanying audio track.
   - Digital Audio Out - Changes the type of processing for digital audio out and HDMI ARC output when connected to a home theater audio system. Select PCM or Bitstream.
   - Analog Audio Out - Sets the volume control properties for the RCA connector when connected to a home theater audio system. Select Variable if you are controlling the volume with the TV's volume controls, or select Fixed if an external audio device (sound bar or AV receiver) will control the volume.
   - Equalizer - Adjusts the boost or attenuation of different frequencies using either preset or custom settings. See Changing the Equalizer Settings on page 31.
   - Delete Audio Mode - Deletes a custom audio mode created using the Equalizer Settings. See Deleting the Custom Audio Mode on page 32.

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 \textbf{MENU} button on the remote. The on-screen menu is displayed.
2. Use the \textbf{Arrow} buttons on the remote to highlight \textit{Timers} and press \textbf{OK}. The TIMERS menu is displayed.
3. Use the \textbf{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 \textit{Off}.
4. When you have finished setting the sleep timer, press the \textbf{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 \textbf{Up/Down Arrow} buttons on the remote to highlight \textit{Auto Power Off}.
2. Use the \textbf{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 \textit{Off}. Otherwise, select \textbf{10 minutes}.
3. When you have finished setting the auto power off time, press the \textbf{EXIT} button on the remote.

Enabling the Screen Saver
If there is no on-screen content or static content when audio is streaming, the backlight is turned off, saving energy. You can set the time before the screen saver begins.

To set the Screen Saver:

1. From the TIMERS menu, use the \textbf{Up/Down Arrow} buttons on the remote to highlight \textit{Screen Saver}.
2. Use the \textbf{Left/Right Arrow} buttons on the remote to change the time before the screen saver begins. If you don’t want the screen saver to be active, change the setting to \textit{Off}. Otherwise, select \textbf{2, 10, or 20 minutes}.
3. When you have finished setting the screen saver time, press the \textbf{EXIT} button on the remote.

Blank Screen Feature
You can blank the screen while there is audio streaming. This feature helps save energy and the life of the screen.

To blank the screen:

1. From the TIMERS menu, use the \textbf{Up/Down Arrow} buttons on the remote to highlight \textit{Blank Screen} and press \textbf{OK}.

\textit{To exit the Blank Screen}
Press any button other than the \textbf{Volume} and \textbf{Mute} buttons on the remote to exit the blank screen.

\textit{To exit the Screen Saver}
Press any button other than the \textbf{Volume} and \textbf{Mute} buttons on the remote to exit the screen saver.
USING THE NETWORK CONNECTION MENU

Your TV is Internet-ready, featuring both an Ethernet port and built-in high-speed Wireless-N.

Connecting to a Wireless Network
To connect to a wireless network whose network name (SSID) is being broadcast:

If your TV is connected to a network with an Ethernet cable, you will not see the wireless network connection menu. You must disconnect the Ethernet cable to set up a wireless 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 Network and press OK. The NETWORK menu is displayed.
3. If you do not see your wireless network displayed, highlight More Access Points and press OK. The WIRELESS ACCESS POINTS menu, which is a list of available wireless networks, is displayed.
4. Highlight the name of your wireless network (this is the network's SSID) and press OK.
5. Using the keyboard on the remote, enter your network's password, then highlight Connect and press OK.
6. Press the EXIT button on the remote.

Changing the Manual Setup Settings
Advanced users can fine-tune the network settings using the Manual Setup feature.

To change advanced network settings:
1. From the NETWORK menu, highlight Manual Setup and press OK. The MANUAL SETUP menu is displayed.
2. To change the settings manually, use the Arrow buttons on the remote to highlight DHCP and then use the Left/Right Arrow buttons to change the setting to Off.
3. Use the Arrow and OK buttons to adjust each setting:
   • IP Address - The IP address assigned to the TV.
   • Subnet Mask - The subnet mask.
   • Default Gateway - Your network's default gateway address.
   • Pref. DNS Server - Your preferred domain name server address.
   • Alt. DNS Server - Your alternate domain name server address.
4. Use the Arrow buttons on the remote to highlight Save and press OK.
5. Press the EXIT button on the remote.

Finding MAC Addresses for Network Setup
The security settings on your router may require you to enter the TV's MAC address in the router's settings.

To find the TV's MAC address:
1. From the NETWORK menu, highlight Manual Setup and press OK. The MANUAL SETUP menu is displayed.
2. Find the MAC address for the TV at the bottom of the list. The MAC addresses for the connections in use are displayed:
   • RJ45 MAC - The Ethernet or RJ45 MAC address may be needed to set up your network when you have connected the TV to your network with an Ethernet (Cat 5) cable.
   • Wireless MAC - The Wireless (WiFi) MAC address may be needed to connect your TV to your network with WiFi.
Connecting to a Hidden Network

To connect to a wireless network whose network name (SSID) is not being broadcast:

1. From the NETWORK menu, highlight Hidden Network and press OK. The ENTER ACCESS POINT NAME screen is displayed.

2. Using the keyboard on the remote, enter your network’s name (SSID), then highlight Connect and press OK.

3. Using the keyboard on the remote, enter your network’s password, then highlight Connect and press OK.

4. Press the EXIT button on the remote.

Testing Your Network Connection

To test your network connection:

1. From the NETWORK menu, highlight Test Connection and press OK.

2. The TEST CONNECTION screen displays the connection method, network name, signal strength, and download speed of your network connection.

3. 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. 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 43.

To remove a channel:

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

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

3. When you have selected all of the channels you wish to remove, press the EXIT button on the remote.
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).

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.

Changing the Digital Audio Language
Some digital over-the-air (free) and cable channels broadcast programs in more than one language. The TV’s Digital Audio feature allows you to listen to audio in alternate languages.

Not all programs are broadcast in alternate languages. The Digital Audio Language feature only works when the program being viewed is being broadcast in the language you select.

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.

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.
   - Background Color - Change the color of the background directly behind the text.
   - Background Opacity - Change the transparency of the background directly behind the text.
   - Window Color - Change the color of the closed captioning box.
   - Window Opacity - Change the opacity of the closed captioning box.

4. When you are satisfied with the appearance of the closed captions, press the EXIT button on the remote.
Typical choices include:
- Opaque background, transparent window—Only a strip of background appears behind the text, expanding as the text appears. This is the typical “As Broadcast” mode.
- Opaque background and window in the same color—When text appears, the entire line fills with color at once.

In the example below, the closed caption text is green, the background is black, and the window is red.
RENAMING DEVICES 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 23.

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 keyboard on the remote.
   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
• Change your TV Name
• 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 a summary of the TV settings:

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

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 SYSTEM 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. Highlight the channel you want to lock or unlock and press OK.
3. When a channel is locked, the Lock icon appears locked. The channel is not accessible unless the parental PIN is entered.
4. When a channel is unlocked, the Lock icon appears unlocked. The channel is accessible.

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 44.

Setting the Time and Local Settings
To ensure the correct time is displayed when you press the INFO button, set the TV's time zone:
1. Press the MENU button on the remote. The on-screen menu is displayed.
2. Use the Arrow buttons on the remote to highlight System and press OK. The SYSTEM menu is displayed.
3. Use the Arrow buttons on the remote to highlight Time & Local Settings and press OK.
4. Use the Arrow buttons on the remote to highlight Time Zone and press OK. The TIME ZONE menu is displayed.
5. Highlight your time zone and press OK.
6. Highlight Daylight Saving Time and press OK. The DAYLIGHT SAVING TIME menu is displayed. Choose On if your locale observes daylight savings time, Off if it does not, or Auto to have the system automatically detect Daylight Savings Settings.
7. If you are in the United States, highlight Zip Code. Enter your Zip code using the keypad on the remote, then press OK. Zip codes are often used by V.I.A. Plus Apps to give you the most accurate location-based information, such as weather or news.
8. Highlight Country and press OK. The COUNTRY menu is displayed.
9. Highlight your country and press OK.
10. Press the EXIT button on the remote.
Resetting the Content Locks
To reset the content locks to the factory-default settings:
1. From the PARENTAL CONTROLS menu, highlight Reset Locks and press OK. The TV displays, “Select Reset to restore Parental Controls to factory defaults.”
2. Highlight Reset and press OK.

Changing the 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.

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. If you want to block all unrated content, highlight Block Unrated Shows and use the Arrow buttons on the remote to select On.
6. 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. See Viewing Video with the Menu Open on page 24 for an alternate way of resizing the video content.

Adjusting the Wide Mode (Aspect Ratio)
The TV can display images in five different modes: Normal, Stretch, Panoramic, Wide, and Zoom. Each mode displays the picture differently. See Changing the Screen Aspect Ratio on page 24 for an alternate way of adjusting the Wide Mode.
To change the screen aspect ratio from the SYSTEM 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. Highlight Wide and press OK. Use the Arrow buttons to highlight the aspect ratio you wish to view and press OK.
   • Normal preserves the content’s original aspect ratio. Since the 4:3 aspect ratio is not large enough to fill the TV's screen, black bars are added to the left and right of the display image.
   • Stretch expands the display image to fill the screen. Images may appear wider than intended. If you are watching widescreen (1.85:1 or 2.35:1) content, black bars will still appear on the top and bottom of the display image. This option is only available when the TV is displaying a 720p/1080i/1080p source.
   • Panoramic expands the display image to fill the screen. Images may appear wider than intended. If you are watching widescreen (1.85:1 or 2.35:1) content, black bars will still appear on the top and bottom of the display image. This option is only available when the TV is displaying a 480i/480p source.
   • Wide stretches a 4:3 aspect ratio picture to the edges of the screen. Since the picture is being stretched, the display image may appear distorted. If the program is already formatted for widescreen viewing (1.85:1 or 2.35:1), then black bars will appear on the top and bottom of the display image.
   • Zoom expands images with black bars to fit the screen.

Changing your TV Name
Enter a custom DNLA name for your TV (Up to 10 characters long)
To create a custom name for your TV:
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 TV Name and press OK. The TV NAME menu is displayed.
4. Use either the on-screen keyboard or keyboard on your remote control to enter a name for your TV (Name can be up to 10 characters long).
   When you are finished, highlight OK and press the OK button.
5. Press the EXIT button on the remote.
Turning the Power Indicator On or Off
The Power Indicator on the front of your TV normally does not glow when the TV is on. You can change this setting if you prefer the light to be on.

To turn the Power Indicator Light on or off:
1. Press the **MENU** button on the remote. The on-screen menu is displayed.
2. Use the **Arrow** buttons on the remote to highlight **System** and press **OK**. The SYSTEM menu is displayed.
3. Highlight **Power Indicator** and press **OK**.
4. Use the **Up/Down Arrow** buttons to select **On** or **Off**, then press **OK**.

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

To enable, disable, or adjust CEC settings:
1. Press the **MENU** button on the remote. The on-screen menu is displayed.
2. Use the **Arrow** buttons on the remote to highlight **System** and press **OK**. The SYSTEM menu is displayed.
3. Use the **Arrow** buttons on the remote to highlight **CEC** and press **OK**. The CEC menu is displayed.
4. Use the **Arrow** and **OK** buttons to adjust each setting:
   - **CEC** - Select **Enable** to use the TV remote to control CEC devices connected to HDMI. Select **ARC Only** for plug and play of an audio device connected to the HDMI ARC input. The **ARC** setting does not support video devices connected to the audio device (Select **Enable** to enable support for these devices). Select **Disable** to turn CEC off.
   - **Device Discovery** - Use this function to determine if your device is connected and supports CEC. (Required for **Enable** option only)
5. Press the **EXIT** button on the remote.

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

---

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.

---

To restore the TV to its factory default settings:

1. Press the **MENU** button on the remote. The on-screen menu is displayed.
2. Use the **Arrow** buttons on the remote to highlight **System** and press **OK**. The SYSTEM menu is displayed.
3. Highlight **Reset & Admin** and press **OK**. The RESET & ADMIN menu is displayed.
4. Highlight **Reset TV to Factory Defaults** and press **OK**.
5. 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.
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.
   - Network Setup - Connect the TV to the Internet using your network.
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.

Program Title/Rating Information

Program Description

Channel/Input Information

Network/Display Information

DIGITAL EPISODE GUIDE & INFO WINDOW
**USING THE USB MEDIA PLAYER**

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

**Preparing Your USB Drive to Play USB Media**

To play USB media, you must first save your files onto a USB thumb drive:

- The USB thumb drive must be formatted as FAT32.
- Files on the USB thumb drive must end in a supported file extension (.mp3, .jpg, etc.).
- The player is not designed to play media from external hard drives, MP3 players, cameras, or smartphones

**Playing USB Media**

To play your USB media:

1. Connect your USB thumb drive to the USB port on the side of the TV.
2. Press the V button on the remote.
3. Use the Arrow buttons to highlight the Multimedia app in the V.I.A. Plus Dock and press OK. (The highlighted App is in the center of the dock.)
4. Use the Arrow buttons to highlight the USB drive from the list and press OK.
5. Use the Arrow buttons to highlight the type of media to display (Music, Video, or Photo) and press OK.
6. Use the Arrow buttons to highlight the file you want to display. Press OK. Music or video files play, 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**

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

To safely remove your USB drive from the TV:

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

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.
Now Playing Information
Displays song title, album title, and artist name.

Progress Bar
Displays the duration of the currently-playing song. The blue bar will lengthen as the song progresses.

Album Art
If included on the USB thumb drive and associated with your music, the album art will display here.

Connected Sources
Displays connected USB devices.

Playback Controls
Use to control audio playback. Highlight Play/Pause, Previous, or Next and press OK.

Toggle Music/Photos
Toggle between viewing all content and only viewing folders.

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

Page Information
If your USB thumb drive has more files than can be displayed on a single screen, the page information is displayed here.
Connected Sources Displays connected USB devices.

Current Folder

Sort by Date or File Name

View All or View Folders

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

Folder Contents/Playlist This area displays the contents of the currently selected folder. You can browse among files using the Arrow and OK buttons on the remote.

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

Page Information

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

If your USB thumb drive has more files than can be displayed on a single screen, the page information is displayed here.
VIZIO Internet Apps Plus® (V.I.A. Plus) delivers popular online content to your TV. V.I.A. Plus features a selection of Apps that allow you to watch movies and TV shows, listen to music, get weather and news information, and more—all on demand.

A high-speed Internet connection is required to receive product updates and to access online content.

See Using the Network Connection Menu on page 34 if your TV is not yet connected to your home network.

**USING THE V.I.A. PLUS APP DOCK**

The V.I.A. Plus App Dock is where all of your V.I.A. Apps are accessed.

To launch an App from the Dock:

1. Press the **V Button** on the remote.
2. Highlight a V.I.A. Plus App by scrolling left and right using the **Left/Right Arrow** buttons on the remote. (The highlighted App is in the center of the dock.)
3. Press the **OK** button on the remote to launch the App.

Note: App location, appearance, and availability subject to change without notice.
USING THE FULLSCREEN V.I.A. APPS WINDOW

The Fullscreen V.I.A. Plus Apps window allows you to add and store Apps. The Apps on the first page are displayed in the Dock and Apps on additional pages can be moved to the Dock.

To open the Fullscreen V.I.A. Plus Apps Window:
1. Press the V Button on the remote twice.
2. Highlight an App by using the Arrow buttons on the remote.
3. Press the OK button on the remote to launch the App.
4. To exit from an open App or to close the App Dock, press the Exit button on the remote.

---

**My Apps Tab**
Displays the apps installed on your TV.

**Installed Apps**
The Apps displayed here are also available in the V.I.A. Plus App Dock.

**App Store Tabs**
Browse through Apps on these tabs to run them and add them to your My Apps tab.

Note: App location, appearance, and availability subject to change without notice.
FULLSCREEN V.I.A. PLUS APPS WINDOW
OVERVIEW

The Fullscreen V.I.A. Plus Apps Window allows you to add, delete and organize your Apps. The My Apps tab displays Apps that are already installed on your TV. The Apps on the first page are displayed in the V.I.A. Plus App Dock.

Apps with a small lock icon in the right-hand corner cannot be deleted.

The following tabs are located at the top of your Fullscreen V.I.A. Plus Apps Window:
• **My Apps:** Displays apps that are installed on your TV.
• **Featured:** Displays apps that are recommended by Yahoo!
• **Latest:** Displays apps that were most recently added to the library of apps.
• **All Apps:** Displays every app that is available for download.
• **Categories:** Displays apps sorted into categories: Spotlight, Yahoo!, Weather, News and Finance, Movies and TV, Photos and Video, Sports, Music, Social, Information, Fun and Games, Shopping, and Local TV.
• **Settings ():** Displays App software information and development settings.

You can also preview Apps without installing them. Simply highlight the App you wish to preview and press OK to open it.

Note: App location, appearance, and availability subject to change without notice.
CUSTOMIZING THE V.I.A. PLUS APPS WINDOW

You can add, delete, and move apps around on your My Apps tab for a custom look and feel.

**Adding an App to the My Apps Tab**

To add an app to your TV:

1. Use the Arrow buttons on the remote to highlight one of the App Store tabs (Featured, Latest, All Apps, or Categories).
2. Use the Arrow buttons to highlight the app you wish to add.
3. Press and hold the OK button until [App Name] has been added to your My Apps list appears.

Once the app has been installed, a star appears in the top right-hand corner of the app icon as shown below.

**Deleting an App from the My Apps Tab**

To delete an app from your TV:

1. Use the Arrow buttons on the remote to highlight the App you wish to delete.
2. Press and hold the OK button. The following options appear:
   - Move
   - Delete
   - BACK Cancel

3. Press OK to delete the app. The following dialog box appears:
   - Delete app "Yahoo Screen?"
   - This will remove the app from your My Apps list.
   - Delete
   - Cancel

4. Use the Left/Right Arrow buttons to select Delete and press OK.

The App is removed from your My Apps tab.

**Moving an App in My Apps**

You can organize your Apps on your My Apps tab by moving them where you want.

To move the Apps on your My Apps tab:

1. Use the Arrow buttons on the remote to highlight the app you wish to move.
2. Press and hold the OK button. The following options appear:
   - Move
   - OK Delete
   - BACK Cancel

Only the Apps on the first page appear in the Dock.

Note: App location, appearance, and availability subject to change without notice.
3. Use the **Arrow** buttons to move the app to the desired location and press **OK** to place the app. When you can move the app, it appears as shown below.

Note: App location, appearance, and availability subject to change without notice.
To view Ultra HD content, you will need:

- Ultra HD TV
- High-speed Internet connection
- 802.11n Wireless Router
- or 802.11ac Wireless Router (For best performance)
- SSID (Wireless network name) and Network Password
- High-Speed HDMI cable

And at least one of the following:

- Netflix® or other streaming service account that offers Ultra HD content
- Device with 4K Ultra HD output such as a high-performance PC

What is Ultra HD?

Ultra HD (UHD) offers four times the resolution of 1080p (That’s twice as many pixels in each direction, horizontally and vertically). The detail and resolution available from UHD makes everything you watch more vibrant and lifelike, giving you a phenomenal viewing experience.

The VIZIO M-Series Ultra HDTV is your crystal-clear window to a brand-new entertainment experience, featuring powerful Ultra HD performance, best-in-class picture quality, and premium Smart TV features.

In addition, M-Series is fully equipped and ready for nearly all Ultra HD entertainment options. With support for HEVC decoding and the latest Wi-Fi standard 802.11ac (that’s up to 3x faster than 802.11n!), M-Series lets you stream Ultra HD from popular apps such as Netflix®. Its superior Spatial Scaling Engine accurately and beautifully transforms your favorite 1080p entertainment such as sports, movies, and TV shows into spectacular Ultra HD. And support for the latest HDMI standards enables Ultra HD playback from next generation cable and satellite receivers, Blu-ray players and game consoles.

What is HDMI 2.0 and HDCP 2.2?

Your M-Series TV supports the latest HDMI standards. This allows next-gen cable and satellite receivers, Blu-Ray players, game consoles, and more to deliver Ultra HD content.

In addition, the TV supports HDCP 2.2 technology which allows you to play protected content from Ultra HD players and next-gen video game consoles. The M-Series is built to be future proof where it will allow users to view Ultra HD content as it becomes readily available. See Connecting A Device on page 14 for more information about connected HDMI 2.0/HDCP 2.2 enabled devices.

Remember:

HDMI ports 1, 2, and 5 support HDCP 2.2 technology. HDMI ports 1 through 4 support Ultra HD inputs at up to 30Hz, while HDMI port 5 can support Ultra HD inputs of up to 60Hz. For best performance with HDMI port 5, only connect high-performance devices that are capable of outputting 1080p or higher resolution.

Source: IEEE standard 802.11 specifications. Maximum throughput rate of 802.11ac (1300 Mbps) is approximately three times faster than that of 802.11n (450 Mbps). Actual rate will vary, and will be subject to router model, site environment, range, Internet bandwidth, and other factors.
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) 878-4946 (TOLL-FREE)
Email:  techsupport@VIZIO.com

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 36.

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 25.
- 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 31.
- 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 31.

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 25.
- Select a pre-set picture mode. See Adjusting the Picture Settings on page 25. 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 13.

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 UHD TV is precision-manufactured using an extremely high level of technology. However, sometimes pixels may not display correctly. These types of occurrences are inherent to this type of product and do not constitute a defective product.
I see “noise” or static on the screen.

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

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

- The TV remembers the viewing mode on each input source. If the viewing mode on the new input source differs from the one on the input source you switch from, the difference may be noticeable.
### Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>M43-C1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Screen Size:</strong></td>
<td>43”</td>
</tr>
<tr>
<td><strong>Viewable Area:</strong></td>
<td>42.51”</td>
</tr>
<tr>
<td><strong>Dimensions w/ Stand:</strong></td>
<td>37.93” x 23.97” x 8.27”</td>
</tr>
<tr>
<td><strong>Dimensions w/o Stand:</strong></td>
<td>37.93” x 21.82” x 2.44”</td>
</tr>
<tr>
<td><strong>Weight w/ Stand:</strong></td>
<td>22.71 lbs</td>
</tr>
<tr>
<td><strong>Weight w/o Stand:</strong></td>
<td>22.05 lbs</td>
</tr>
<tr>
<td><strong>Active LED Zones:</strong></td>
<td>28 Zones</td>
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<td><strong>Refresh Rate:</strong></td>
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<tr>
<td><strong>Clear Action:</strong></td>
<td>360</td>
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<tr>
<td><strong>Maximum Resolution:</strong></td>
<td>3840 x 2160 (UHD, 2160p)</td>
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<td><strong>Pixel Pitch:</strong></td>
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<td><strong>Viewing Angle:</strong></td>
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<td><strong>Component Video Inputs:</strong></td>
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</tr>
<tr>
<td><strong>Composite Inputs:</strong></td>
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<tr>
<td><strong>RF Antenna Input:</strong></td>
<td>1</td>
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<tr>
<td><strong>USB Port:</strong></td>
<td>1</td>
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<tr>
<td><strong>Ethernet:</strong></td>
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<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>
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<tr>
<td><strong>Ambient Light Sensor:</strong></td>
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<th>Feature</th>
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<tr>
<td><strong>Power Consumption:</strong></td>
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<td>Feature</td>
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<td>Full-Array LED</td>
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<tr>
<td><strong>Active LED Zones:</strong></td>
<td>32 Zones</td>
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<tr>
<td><strong>Refresh Rate:</strong></td>
<td>120 Hz Effective Refresh Rate</td>
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<td><strong>Clear Action:</strong></td>
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<td><strong>Maximum Resolution:</strong></td>
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<td><strong>Ethernet:</strong></td>
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<tr>
<td><strong>OSD Language:</strong></td>
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<td><strong>M50-C1</strong></td>
<td><strong>M50-C1</strong></td>
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<td><strong>Screen Size:</strong></td>
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<td><strong>Ambient Light Sensor:</strong></td>
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<td><strong>Composite Inputs:</strong></td>
<td><strong>Certifications:</strong></td>
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<td>&lt;1W</td>
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<td>Feature</td>
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<td>57.39&quot; x 32.87&quot; x 2.52&quot;</td>
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<td>Full-Array LED</td>
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<td>32 Zones</td>
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<td><strong>Refresh Rate:</strong></td>
<td>240 Hz Effective Refresh Rate</td>
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<td><strong>Clear Action:</strong></td>
<td>720</td>
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<td><strong>Maximum Resolution:</strong></td>
<td>3840 x 2160 (UHD, 2160p)</td>
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<td><strong>Composite Inputs:</strong></td>
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<td><strong>Ethernet:</strong></td>
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<td><strong>Audio Outputs:</strong></td>
<td>RCA Analog Stereo Output, Optical Digital</td>
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<td><strong>OSD Language:</strong></td>
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<tr>
<td><strong>Ambient Light Sensor:</strong></td>
<td>Yes</td>
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**Certifications:**
UL, cUL, FCC Class B, HDMI 1.4/2.0, Dolby Digital Plus

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

**Power Consumption:**
224.7W

**Standby Power:**
<1W

**Zero Bright Pixel Guarantee:**
Yes
### M75-C1

<table>
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<td><strong>Refresh Rate:</strong></td>
<td>240 Hz Effective Refresh Rate</td>
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<tr>
<td><strong>Clear Action:</strong></td>
<td>720</td>
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<td><strong>Maximum Resolution:</strong></td>
<td>3840 x 2160 (UHD, 2160p)</td>
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<td><strong>USB Port:</strong></td>
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<td><strong>Ethernet:</strong></td>
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<td><strong>Audio Outputs:</strong></td>
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<td><strong>OSD Language:</strong></td>
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<td><strong>Ambient Light Sensor:</strong></td>
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### M75-C1

<table>
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<tr>
<th>Specification</th>
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<td><strong>Remote Control Model:</strong></td>
<td>XRT500</td>
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<tr>
<td><strong>Certifications:</strong></td>
<td>UL, cUL, FCC Class B, HDMI 1.4/2.0, Dolby Digital Plus</td>
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<td>&lt;1W</td>
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<tr>
<td><strong>Zero Bright Pixel Guarantee:</strong></td>
<td>Yes</td>
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</table>
ON PARTS AND LABOR

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

To obtain warranty service, contact VIZIO Technical Support via e-mail: TechSupport@VIZIO.com or via phone at 877 MY VIZIO (877.698.4946) from 5:00AM to 9:00PM Monday through Friday and 8:00AM to 4:00PM Saturday and Sunday, Pacific Time, or visit www.VIZIO.com. PRE-AUTHORIZATION MUST BE OBTAINED BEFORE SENDING ANY PRODUCT TO A VIZIO SERVICE CENTER. Proof of purchase in the form of a purchase receipt or copy thereof is required to show that a Product is within the warranty period.

Parts and Labor

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

Type of Service

Defective Products must be sent to a VIZIO service center to obtain warranty service. VIZIO is not responsible for transportation costs to the service center, but VIZIO will cover return shipping to the customer. PRE-AUTHORIZATION IS REQUIRED BEFORE SENDING ANY PRODUCT TO A VIZIO SERVICE CENTER FOR WARRANTY SERVICE. Product returns to VIZIO’s service centers must utilize either the original carton box and shipping material or packaging that affords an equal degree of protection. VIZIO Technical Support will provide instructions for packing and shipping the covered Product to the VIZIO service center.

Limitations and Exclusions

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

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

Personal Data

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

Zero Bright Pixel Defect Guarantee

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

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

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

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

Notice

1. The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
2. Shielded interface cables and AC power cord, if any, must be used in order to comply with the emission limits.
3. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. It is the responsibilities of the user to correct such interference.

FCC warning

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

Caution

Always use an AC/DC power adapter that is properly grounded. Use the AC cords listed below for each area.

USA: UL
Canada: CSA
Germany: VDE
UK: BASE/BS
Japan: Electric Appliance Control Act

Open Source Software Notice

Your VIA device may contain GPL executables and LGPL libraries that are subject to the PL2.0/GPL2.1 License Agreements. VIZIO offers to provide source code to you on CD-ROM for a processing fee covering the cost of performing such distribution, such as the cost of media, shipping and handling upon request made to VIZIO at www.VIZIO.com.

This offer is valid for a period of three (3) years from the date of the distribution of this VIA device by VIZIO.

You can obtain a copy of the GPL, LGPL licenses from:
http://www.gnu.org/licenses/gpl-2.0.html
and
http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html
You can also obtain a copy of gSOAP public license from:
http://www.cs.fsu.edu/~engelen/license.html

Please visit www.VIZIO.com for attribution of copyrights to any open source software on your VIZIO VIA device.

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VIZIO Internet Applications Disclaimer

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