

Fusion Series | Full Shade

Owner's Manual



Weatherproof Televisions

IMPORTANT:

Please read this owners manual before starting or operating the equipment.









Dear SkyVue Customer,

Congratulations on purchasing your new outdoor weather-proof television. We welcome you to our SkyVue family. To gain the full potential of your new SkyVue Outdoor Television, please read carefully the instructions within this document. There is a wealth of relevant information to get started and fully utilize all of the unique capabilities of your new SkyVue Outdoor Television. We sincerely thank you for your purchase and hope you have several years of enjoyment from your new SkyVue Outdoor Television.

We at SkyVue have taken a studied approach to delivering the highest quality and reliable outdoor television on the market. SkyVue started with the goals of operating with unparalleled customer service and extensive research and development. Upon extensive research of national competition, we realized that yet, all outdoor television manufacturers purchase the circuitry and panels in their products overseas; that SkyVue is the only manufacturer that completes its designs with all American Made products. Our family of televisions are re-innovating the ideas, functions, and technologies, in which other outdoor television manufacturers seemed to have missed. We take pride in every product and are glad to have you as part of our family.

Customer Service can be directly reached at:

1-(877) 4-SkyVue

1-(877) 475-9883

info@SkyVue.com

To inquire about extended warranty information, accessories, or installation FAQs please visit our website www.skyvue.com.

We Thank You for Your Support,

The SkyVue Management Team



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TV Models

Fusion - Full Shade

Built for shaded areas that will not experience any exposure to sunlight.

400 Nit Fusion 43" 50" 55" TV's







400 Nit Fusion 65" 70" 75" TV's



Manual Controls Panel





TV Placment & Location

Locations for the TV - Full Shade

Important: The TV must be installed at least 5 feet from pool, spa, or other body of water.

The Fusion shade TV models should **NEVER** be installed in an area where they will be exposed to **DIRECT or PARTIAL SUNLIGHT**. Recommended placement is in an area where the TV is shaded completely at all times by structures, or under a patio cover or gazebo. Remember that the position of the sun changes during the day.

Mounting Placment / Orientation

All Skyvue Landscape TV models should be installed so that the television is in a landscape orientation. Mounting the television incorrectly may cause damage to the television over time and will void the manufacturers warranty. The figure below displays the correct orientation.



Safety & Certification

Thank You For Choosing Skyvue

To get the most out of your new SkyVue product, read these instructions before using your product and retain them for future reference. Prior to installation (this includes optional speaker bar, mounting arms, or any cables); plug TV into wall, power on, and inspect for damage.

Manufacturer recommended application is Full shade.



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.

- Read these instructions.
- · Keep these instructions.
- · Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.

- Unplug this apparatus during lightning storms or when unused for long periods of time.
- A distance of at least three feet should be maintained between your TV and any heat source, such as a radiator, heater, oven, amplifier etc. Do not install your TV close to smoke. Operating your TV close to smoke or moisture may cause fire or electric shock.
- Slots and openings in the back and bottom of the cabinet are provided for ventilation. To ensure reliable operation of your TV and to protect it from overheating, be sure these openings are not blocked or covered. Do not place your TV in a bookcase or cabinet unless proper ventilation is provided.
- Never push any object into the slots and openings on your TV cabinet. Do not place any objects on the top of your TV. Doing so could short circuit parts causing a fire or electric shock. Never spill liquids on your TV.
- Your TV should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
- Do not apply pressure or throw objects at your TV. This may compromise the integrity of the TV. 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

IMPORTANT SAFETY INSTRUCTIONS (continued)

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.
- 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.
- To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.
- 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
- 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.
 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.
- WARNING: Exposure to loud sounds can damage your hearing causing hearing loss and tinnitus (ringing or buzzing in the ears). With continued exposure to loud noises, ears may become accustomed to the sound level, which may result in permanent damage to hearing without any noticeable discomfort.
- Install the TV where it cannot be pulled, pushed or knocked over.
- Do not allow children to hang onto the product.
- Store the accessories (remote, batteries, etc.) in a location safely out of the reach of children.
- The American Academy of Pediatrics discourages television viewing for children younger than two years of age.



- WARNING: Never place a television set in an unstable location. A television set may fall, causing serious personal injury or death.
- Many injuries, particularly to children, can be avoided by taking simple precautions such as:
 - Using cabinets or stands recommended by the manufacturer of the television set.
- Only using furniture that can safely support the television
- Ensuring the television set is not overhanging the edge of the supporting furniture.
- Not placing the television set on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television set to a suitable support.
- Not placing the television set on cloth or other materials that may be located between the television set and the supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the television set or its controls.
- If your existing television set is being retained and relocated, the same considerations as above should be applied.
- WARNING: To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.

Television Antenna Connection Protection

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

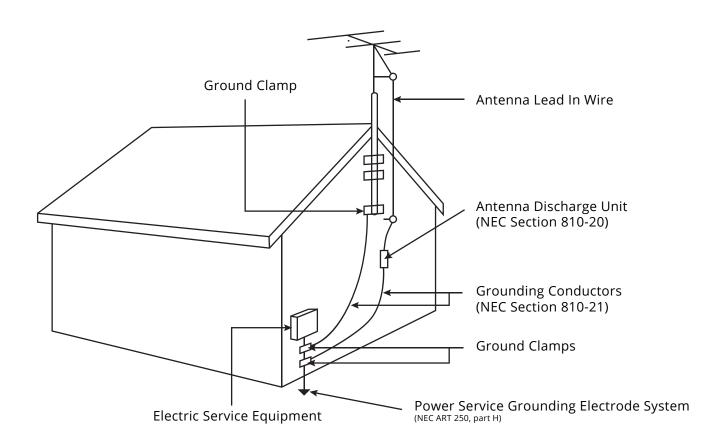
Article 810 of the National Electrical Code, ANSI/NFPSA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of the grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements of the grounding electrode.

Lightning Protection

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

Power Lines

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





DOLBY AUDIO™

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

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



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Rear Panel Component Source



WARNING: Do not connect the power source before making connections.

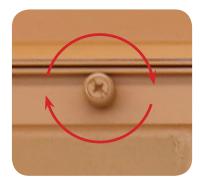
Internal Component Source

The Internal Component Source allows you to easily connect to the Audio, Video, Digital Audio Out, HDMI, Audio Out, and RF connectors.

- 1. The Internal Component Source is inside the Component Cover located on the back of the unit.
- 2. Loosen the 6 thumbscrews located on the back cover of your SkyVue TV, and slide the cover toward the left to reveal the Component Source.
- 3. Route cables to the proper inputs, and place the cable cords over the Rubber Sealing Gasket.
- 4. Close the cover.
- 5. Press firmly on the cover, and tighten the thumbscrews.







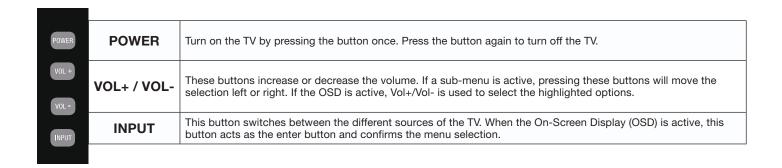
Tighten Thumbscrews



CABLE PASSAGE

Manual Controls Panel

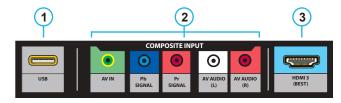
The location of the manual control panel can be different for different model televisions. See pages 8 & 10 to locate the manual control panel for your television.



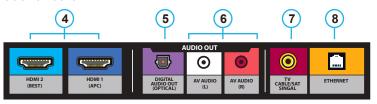
Rear Panel Connections

Rear Panel Connections 43" & 55" TV's

- 1. USB: Connect a USB thumb drive to play music or video.
- **2. Component:** Connect a component.
- 3. HDMI 3: Connect an HDMI device.

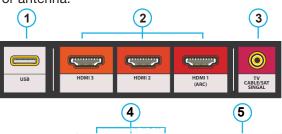


- 4. HDMI 1 & 2: Connect an HDMI device.
- 5. Optical Audio Out: Connect to an optical audio device, such as home audio receiver.
- 6. Audio Out: Connect to an RCA device, such as sound bar
- **7. Coaxial:** Connect to a coaxial cable from cable, satellite, or antenna.
- 8. Ethernet: Connect an Ethernet cable to modem/ router.

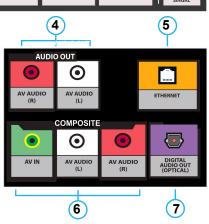


Rear Panel Connections 50" TV

- 1. USB: Connect a USB thumb drive to play music or video.
- 2. HDMI 1, 2, & 3: Connect an HDMI device.
- 3. Coaxial: Connect to a coaxial cable from cable, satellite, or antenna.



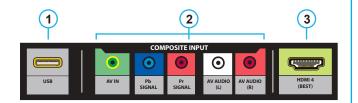
- 4. Audio Out: Connect to an RCA device, such as sound bar.
- **5. Ethernet:** Connect an Ethernet cable to modem/router.
- **6. Component:** Connect a component.
- **7. Optical Audio Out:** Connect to an optical audio device, such as a home audio receiver.



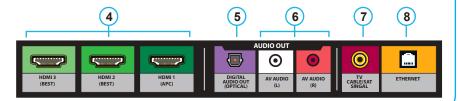
Rear Panel Connections

Rear Panel Connections 65" 70" 75" TV's

- 1. USB: Connect a USB thumb drive to play music or video.
- 2. Component: Connect a component.
- 3. HDMI 4: Connect an HDMI device.



- 4. HDMI 1, 2, & 3: Connect an HDMI device.
- 5. Optical Audio Out: Connect to an optical audio device, such as home audio receiver.
- 6. Audio Out: Connect to an RCA device, such as sound bar
- 7. Coaxial: Connect to a coaxial cable from cable, satellite, or antenna.
- 8. Ethernet: Connect an Ethernet cable to modem/ router.



Wall Mounting Information

Wall-Mounting The Tv

To mount your TV on a wall, you will need a wall mount. Consult the information on this page to find the appropriate mount for your TV. 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.

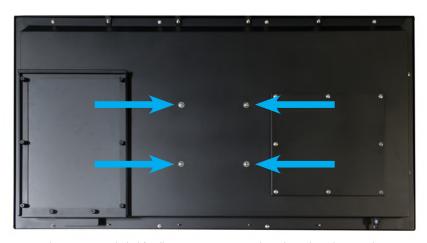
To install your TV on a wall:

- 1. Disconnect any cables connected to your TV.
- Lay a blanket down on flat sturdy but soft surface. Run your hand over surface to make sure there are no sharp object or protrusions. Place the TV face-down.
- 3. Remove the screws.
- Attach your TV and wall mount to the wall, carefully following the instructions that came with your mount. Bracket rated for the weight/load of this TV.





Installing a TV on a wall requires lifting. To prevent injury or damage to the TV, we recommend two people or more for installation



Note: This image is included for illustrative purposes only and may be subject to change. The actual number of ports and their locations may vary according to the model.

	FSN4318	FSN5018	FSN5520-4	FSN6520-4	FSN7018	FSN7518
Screw Size	M6	M4	M6	M4	M6	M8
Hole Depth	29.6мм	20мм	14мм	22мм	12мм	24мм
Hole Pattern	200mm x 200mm	200mm x 200mm	200mm x 200mm	400mm x 200mm	400mm x 400mm	400mm x 400mm

Connecting the Power Cord



WARNING: TV and AC receptacle must be installed at least 5 feet away from standing water, such as (but not limited to) a pool or spa. Please allow for additional clearance if TV is in use on a SkyVue Portable Cart.

Connect the power cord after you have made connections to your video equipment. Connect the power cord to an outdoor AC outlet that is in compliance with local regulations. Once the TV is installed it must remain plugged into a stable and consistent 120V, 60HZ power source at all times.



Remote Control Guide



The SkyVue Remote Control is weatherproof

PWR - Switch the TV power on or enter standby.

Input - Push to change the viewing source on the television

Vue - Push to change format of the screen

Stop - Push this button to stop current content

Rewind - Push to watch previous content

Play/Pause - Push to play or pause current content

Fast Forward - Skips ahead in recorded content

Push this to display content information

Guide - Push to display guide for cable or satellite provider.

Up Arrow - Push to move menu selections up

List - Push to display recorded content on home DVR

Flashback- To return to the previous channel, also to rewind in 10 second indivials.

Left Arrow - Push to move menu selections left

OK - Push to make a selection in the menu or guide

Right Arrow - Push to move menu selections right

Menu - Push to access the television menu

Down Arrow - Push to move menu selection down

Exit - Push to exit current menu

Vol +/- Push these to increase or decrease

CC - Push to display closed caption on select content

Mute - Push to turn sound off, push again to have volume restored

Home - Push to directly access apps menu

CH +/ - Push to go up or down in channel numbers

Numbers - Push these to enter channel numbers and passwords **Sleep** - Push to activate the sleep timer

./- Push to enter channels

Using The On-Screen Menu

Navigating The On-Screen Menu

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

From this menu, you can:

- Adjust the Picture settings
- Adjust the Audio settings
- Adjust the Network settings
- Set up the Timers
- Adjust the Channel settings
- Set up Closed Captioning
- Name and adjust Inputs
- Adjust TV settings
- View user manual

Use the Arrow buttons to highlight a menu option, and press the OK button to select that option.

TV Settings

- Picture
- □)) Audio
- Network
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- Channels
- CC Closed Captions
- ☼ System
- User Manual





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 onscreen menu.



= Back



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 sources:

- 1. Press the Input button on the remote. The Input menu is displayed.
- 2. Use the Right/Left Arrow buttons or the Input button on the remote to highlight the input you wish to view and press OK. The selected input is displayed.



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

Changing The Screen Aspect Ratio

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

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

To change the screen aspect ratio:

- 1. Press the View Mode button on the remote.
- 2. Use the Arrow buttons to highlight the aspect ratio you wish to view and press OK.
- **Normal** preserves the content's original aspect ratio and size.
- **Panoramic** stretches a 4:3 aspect ratio picture to the left and right edges of the screen. The center of the image is not stretched, but the sides of the image are extremely stretched. If you are watching widescreen (1.85:1 or 2.35:1) content with black bars on the top and bottom, the black bars will still appear on the top and bottom of the display image.
- **Wide** stretches a 4:3 aspect ratio picture to the edges of the screen. Since the picture is being stretched, the display image may appear distorted—figures appear short and fat. If the program is already formatted for widescreen viewing (1.85:1 or 2.35:1), then black bars will appear on the top and bottom of the display image.
- **Zoom** expands images evenly in all directions (33% taller and 33% wider) with black bars to fit the screen. A 720p image will fill a 1080p screen.



Tip: The aspect ratio cannot be changed for Ultra HD content or HDR content.

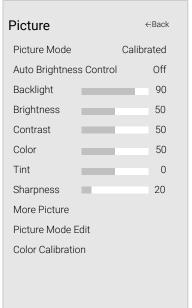


Adjusting The Picture Settings

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

To adjust the picture settings:

- 1. Press the **Menu** button on the remote. The on-screen menu is displayed.
- 2. Use the **Arrow buttons** on the remote to highlight Picture and press **OK**. The PICTURE menu is displayed.
- 3. Use the Arrow buttons on the remote to highlight Picture Mode, then use the Left/Right Arrow **buttons** to change the picture mode:
 - **Standard mode** sets the picture settings to the default settings.
 - Calibrated mode sets the picture settings to values ideal for watching TV in a brightly-lit area.
 - Calibrated Dark mode sets the picture settings to values ideal for watching TV in a dark area.
 - **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.

Adjusting The Picture Settings (continued)

- **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**.
- Use the Arrow buttons to highlight the setting you wish to adjust, then press the Left/Right Arrow buttons to change the setting:
 - **Color Temperature** See Adjusting the Color Temperature.
 - **Black Detail** Adjusts the average brightness of the picture to compensate for large areas of brightness. Select Off, Low, Medium, or High.
 - Active Full Array [™] Based on the content, dynamically adjusts and balances the brightness and the contrast ratio of the picture by locally adjusting backlight zones.

More Picture	←Back
Color Temperature	Normal
Black Detail	Off
Active Full Array ™	Low
Clear Action	Off
Reduce Noise	
Game Low Latency	Off
Film Mode	On
Color Space	Auto
Gamma	2.2

Adjusting More Picture Settings (continued)

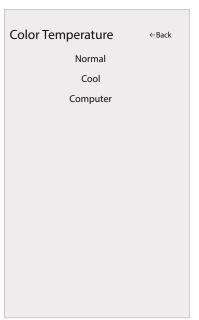
- Clear Action Reduces blur in scenes with fast action but limits the range for the Backlight setting.
- Reduce Noise
 - Reduce Signal Noise Diminishes artifacts in the image caused by the digitizing of image motion content. Select Off, Low, Medium, or High.
 - Reduce Block Noise Reduces pixelation and distortion for mpeg files. Select Off, Low, Medium, or High.
- **Game Low Latency -** Select On to reduce video delay (lag) when gaming.
- 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 Color Temperature

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

To adjust the color temperature:

- 1. From the **MORE PICTURE** menu, use the **Arrow buttons** to highlight Color Temperature, and then press OK.
- 2. Use the **Arrow buttons** on the remote to highlight a color temperature preset and then press OK.
 - Normal is optimized for television viewing.
 - Cool produces a blue-hued picture.
 - **Computer** optimizes the picture for use as a PC monitor.
- 3. When you have finished adjusting the color temperature, press the **Exit** button on the remote.

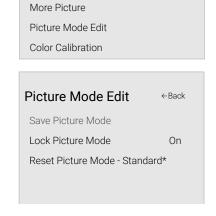


Adjusting the Picture Mode Edit Settings

Picture Mode Edit Settings allow you to make precise adjustments to the picture and to create picture modes to save groups of picture settings.

To adjust the Picture Mode Edit settings:

- 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. Choose between On or Off.
- Reset Picture Mode Standard Reset the picture mode settings to factory default values.

Saving a Custom Picture Mode

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

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

To save a custom picture mode:

- 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 on-screen keyboard 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:

- 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. If a system PIN is set, then lock/unlock. If no system PIN is set, then you will be prompted to set a PIN.
- 3. Highlight Save and press OK.
- 4. Press the **Exit** button to exit the menu screens.

To unlock all custom picture modes:

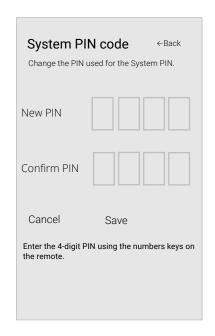
- From the PICTURE MODE EDIT menu, use the Arrow buttons to highlight Lock Picture Mode, and then press OK. The LOCK PICTURE MODE menu is displayed.
- 2. Use the Arrow buttons to select Off.
- 3. Use the Number Pad on your remote to enter your 4-digit PIN.
- 4. Make any desired changes to the picture modes.
- 5. Then turn **ON** Lock Picture Mode.
- 6. 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:

- From the PICTURE MODE EDIT menu, use the Arrow buttons to highlight Delete Picture Mode, and then press OK. The DELETE PICTURE MODE window is displayed.
- 2. Use the **Left/Right Arrow buttons** to highlight **Delete** and press OK.
- 3. Press the **Exit** button to exit the menu screens.





Resetting a Picture Mode

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

To reset a customized preset picture mode:

- 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.
- Press the Exit button to exit the menu screens.



Adjusting the Color Tuner Settings



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.

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.

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.

\triangleleft	Color Tuner >					
	Red	Green	Blue	Cyan	Magenta	Yellow
Hue	0	0	0	0	25	-14
Saturation	-1	5	-4	0	-2	0
Brightness	-24	0	-22	0	0	0
Offset	0	0	0			
Gain	0	0	0			

- 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 have finished adjusting the color tuner settings, press the **Exit** button.

Adjusting the Color Tuner Settings (continued)

To turn color channels off and on:

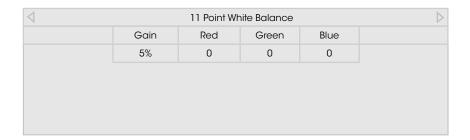
1. From the **COLOR CALIBRATION** menu, use the **Arrow buttons** to highlight **Color Tuner**, and then press **OK**. The COLOR TUNER menu is displayed.



- 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 have 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.

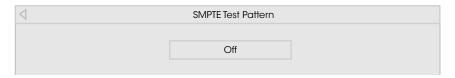


- Use the Arrow buttons on the remote to highlight the Gain and Color values you wish to adjust. Press the OK button and use the Left/Right Arrow buttons to adjust the value. When you are finished, press the OK button to save the setting.
- 3. When you have finished, press the **Exit** button.

Adjusting the Color Tuner Settings (continued)

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.



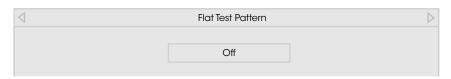
- 2. Use the **Arrow buttons** on the remote to highlight **Off**. Use the **Left/Right Arrow** buttons to highlight **On** to show the SMPTE Pattern.
 - -or-

To hide the SMPTE 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 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 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.

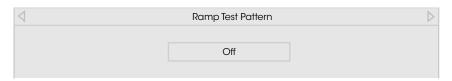
-or-

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

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

To show or hide the Ramp Test Pattern:

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



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

-or-

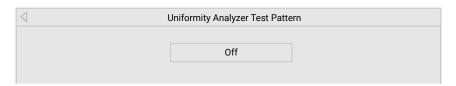
To hide the Ramp Test Pattern, use the **Left/Right Arrow** buttons to highlight **Off.**

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

Adjusting the Color Tuner Settings (continued)

To show or hide the Uniformity Analyzer Test Pattern:

1. From the COLOR CALIBRATION menu, use the Arrow buttons to highlight Calibration Tests, and then press the **Left/Right Arrow** buttons until the UNIFORMITY ANALYZER 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 Uniformity Analyzer Test Pattern.

-or-

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

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

Adjusting The Audio Settings

Adjusting the Audio

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.
- Use the Arrow buttons to highlight the setting you wish to adjust, then press Left/Right Arrow buttons to change the setting.
 - Speakers Turns the built-in speakers On or Off.
 - Volume Control Display Toggle between On or Off to hide or display the on-screen volume slider that appears when volume is adjusted.
 - **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.**

Audio

Speakers

Balance

Lip Sync

Volume Control Display

Surround Sound

Volume Leveling

Digital Audio Out

Analog Audio Out

←Back

On

Off

0

0

Auto

Fixed

Auto

- 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 Auto, PCM, Dolby D 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.
- 4. When you have finished adjusting the audio settings, press the **Exit** button on the remote.



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



You must select **Bitstream** for audio with more than two channels (3.0, 5.0, or 5.1, for example).

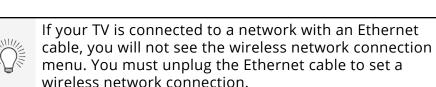
Adjusting The Network Settings

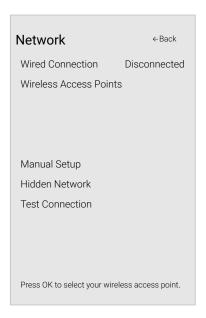
Your TV is Internet-ready, featuring both an Ethernet port and built-in high-speed Wireless-N.

Connecting to a Wireless Network

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

- 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.
- 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 on-screeen keyboard, 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.
- 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 Exit 2D.
 - **Default Gateway -** Your network's default gateway address.

Manual Setup	←Back
DHCP	Off
IP Address	
Subnet Mask	
Default Gateway	
Pref. DNS Server	··
Alt. DNS Server	
RJ45 MAC	0:0:0:0:0:0
Wireless MAC	0:0:0:0:0:0
Save	
Cancel	

Changing the Manual Setup Settings (continued)

- **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. 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.

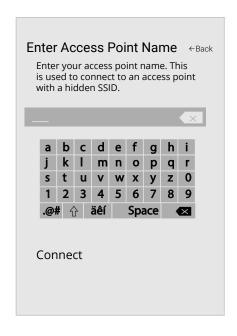
To find the TV's MAC address:

- 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 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:

- From the **NETWORK** menu, highlight **Hidden Network** and press **OK**. The ENTER ACCESS POINT NAME screen is displayed.
- 2. Using the on-screen keyboard, enter your network's name (SSID), then highlight **Connect** and press **OK**.
- 3. Using the on-screen keyboard, 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.

Setting Timers

Setting the Timer

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

To set the timer:

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

 -	
Timers	- Back
Sleep Timer	Off
Auto Power Off	10 Minutes
Blank Screen	

Setting the Auto Power Off Feature

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

To set the Auto Power Off feature:

- 1. From the **TIMERS** menu, use the **Up/Down Arrow** buttons on the remote to highlight **Auto Power Off.**
- 2. Use the **Left/Right Arrow** buttons on the remote to change whether the TV will turn off. If you don't want the TV to turn off when there is no signal, change the setting to **Off**. Otherwise, select **10 minutes.**
- 3. 3. When you have finished setting the auto power off time, press the **Exit** button on the remote.
 - Blank Screen Immediately blank the screen while audio is streaming. This saves energy and LED life.

Setting Up Channels

The Channels Menu

You can use the TV's Channels menu to:

- Find Channels
- Digital Audio
- Select channels to skip
- Set Parental Controls
- Analog Audio

Channels	←Back
Find Channels	
Skip Channels	
Analog Audio	Stereo
Digital Audio	English
Parental Controls	

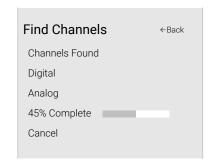
Scanning for Channels

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.

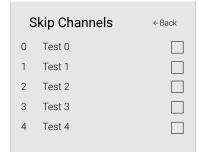


Skipping Channels

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.

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 checkmark 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.



Channels that have been removed with the Skip Channel feature can still be viewed if the channel is entered using the Number Pad.

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).

Analog Audio ←Back Stereo SAP Mono

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.



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

To use the Digital Language feature:

- 1. From the **CHANNELS** menu, highlight **Digital Audio** and press **OK**. The DIGITAL LANGUAGE menu is displayed.
- 2. Select your preferred language: **English, Spanish/Video Description, French**. Press **OK**.
- 3. Press the **Exit** button on the remote.

Parental Controls

Using 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 Overthe-Air signals or when connected to cable TV directly from the wall (no cable box).

-or-

You have a device connected using a composite video cable or a coaxial cable, such as a VCR, satellite or cable box, or DVR and download speed of your network connection.

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 **Channels** and press **OK**. The CHANNELS menu is displayed.
- 3. Use the **Arrow buttons** on the remote to highlight **Parental Controls** and press **OK**.
- 4. Enter your set System PIN.



To set a custom parental passcode, see *Changing the Parental Control PIN*.

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.

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.

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 **f** locked. Content with this rating and all higher ratings cannot be viewed.
- 4. When the rating type is unblocked, the Lock icon appears unlocked. Content with this rating and all lower ratings can be viewed. If you want to block all unrated content, highlight Block Unrated Shows and use the Arrow buttons on the remote to select On.
- 5. When you are finished adjusting the rating level blocks, press the **Exit** button on the remote.



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

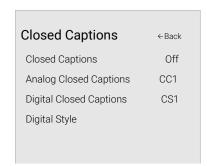
Setting Up Closed Captioning

Closed Captioning Settings

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

To activate or deactivate closed captions:

- 1. Press the **Menu** button on the remote. The on-screen menu is displayed.
- Use the Arrow buttons on the remote to highlight Closed Captions and press OK. The CLOSED CAPTIONS menu is displayed.
- Use the Arrow buttons on the remote to highlight Closed Captions and then use the Left/Right Arrow buttons to select On or Off.



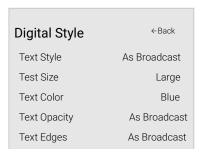
- 4. Use the Arrow buttons on the remote to highlight either Analog or Digital Closed Captions.
- 5. Use the **Left/Right Arrow** buttons on the remote to select the **caption channel** you wish to display, then press **Exit**.

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.



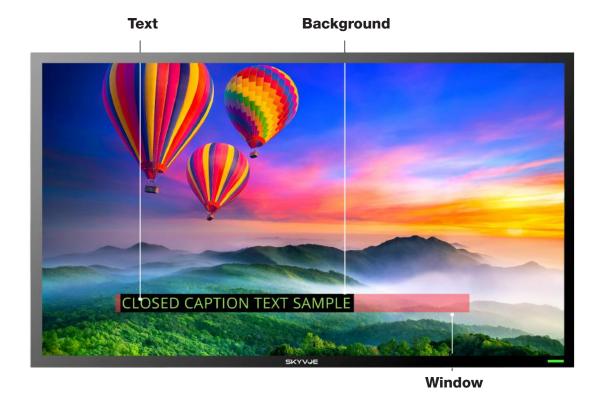
Changing the Appearance of Digital Closed Captions (continued)

- 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.



Text Edges Color

Background Color

Window Color

Window Opacity

Background Opacity

As Broadcast

As Broadcast

As Broadcast

As Broadcast

As Broadcast

Renaming Devices On The Input Menu

Renaming Input Devices

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.

To change the name of an input:

- 1. Press the Menu button on the remote. The on-screen menu is displayed.
- 2. 2. Use the **Arrow buttons** on the remote to highlight **Input Settings** and press **OK**. The INPUT SETTINGS menu is displayed.
- 3. Highlight the input device that you want to rename and press **OK**.

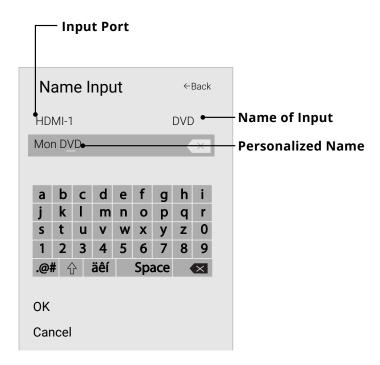
To use a preset input name:

- a. Highlight the Input Port row and press **OK**.
- b. Highlight the input name you want to use and press OK.

-or-

To enter a custom name:

- a. Enter your custom label using the on-screen keyboard.
- b. Highlight **OK** and press **OK.**
- c. The Input Name changes to show the custom name that you created.
- 4. When you have finished naming your input, press the **Exit** button on the remote.



Changing The Tv Settings

System Menu

Using the SYSTEM menu, you can:

- Check for updates
- View system information
- Change the on-screen menu language
- Set time zone and local settings
- Adjust the CEC settings
- Adjust when the powerindicator is illuminated
- Adjust to preserve Aspect Ratio or fill the screen
- Name TV
- Check for updates and download available updates
- Adjust accessibility settings
- Reset the TV settings & set up administrative controls

System				
Check for Updates				
System Information				
Menu Language	English			
Time & Local Settings				
CEC				
Power Mode	Quick Start			
Aspect Ratio	Normal			
TV Name	Office TV			
Mobile Devices				
Accessibility				
Reset and Admin				

Viewing System Information

To view technical data and status information about your TV and network connection:

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

Changing the On-Screen Menu Language

To change the on-screen menu language:

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



Setting the Time and Local Settings

To ensure the correct time is displayed when you press the Info button, set the TV's time zone:

- 1. Press the **Menu** button on the remote. The on-screen menu is displayed.
- 2. Use the Arrow buttons on the remote to highlight System and press **OK**. The SYSTEM menu is displayed.
- 3. Use the Arrow buttons on the remote to highlight Time & Local Settings and press OK. The menu headed by the local date and time is displayed.

Time and Local Settings ←Back June 11, 2015 11:48AM Time Zone Pacific (-8) Daylight Savings Time Auto Time Format USA Country

- 4. Highlight **Time Zone** and press **OK**. The TIME ZONE menu is displayed.
- 5. Highlight your time zone and press **OK**.
- 6. Highlight Daylight Saving Time and press OK. The DAYLIGHT SAVING TIME menu is displayed. Choose On if it is currently Daylight Savings Time, Off if it is Standard Time, or **Auto** to have the system automatically detect Daylight Savings Settings.
- 7. Press the **Exit** button on the remote.

Adjusting the CEC Settings

The CEC function on your TV enables you to control devices connected to HDMI (ARC) input with the included remote, without any programming. Using CEC, your VIZIO TV remote can control:

- Power On/Off
- Volume
- Mute

To enable, disable, or adjust CEC settings:

- 1. Set up your audio device and connect it to the **HDMI-1(HDMI Arc)** input on the TV
- 2. On your audio device, select the **HDMI ARC** input.
- 3. Press the **Menu** button on the remote. The on-screen menu is displayed.
- 4. Use the Arrow buttons on the remote to highlight System and press OK. The SYSTEM menu is displayed.
- 5. Use the Arrow buttons on the remote to highlight CEC and press OK. The CEC menu is displayed.
- 6. Highligh **CEC** and press **OK**. Select a setting and then press **OK**.
 - CEC To use CEC, you must select Enable.
 - Device Discovery To determain if your device is connected and supports CEC, select **Device Discovery** and then press OK.
- 7. Press the **Exit** button on the remote.

Turning the Power Indicator On or Off

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

To turn the Power Indicator Light On or Off:

- 1. Press the **Menu** button on the remote. The on-screen menu is displayed.
- 2. Use the **Arrow buttons** on the remote to highlight **System** and press **OK**. The SYSTEM menu is displayed.
- 3. Use the **Arrow buttons** on the remote to highlight **RESET & ADMIN** and press **OK**. The RESET & ADMIN menu is displayed.
- 4. Highlight Power Indicator and press OK.
- 5. Use the Up/Down Arrow buttons to select On or Off, then press OK.

Changing the Display Name

Naming your TV helps differentiate it from other cast devices you may have in your home.

To view your TV name:

- 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 Display Name is displayed.
- 4. Enter your custom name using the on-screen keyboard.
- 5. Press the **Exit** button on the remote.



Accessibility Settings

The Accessibility Menu

Your new TV offers several accessibility features that can help you get the most out of it.

To access the ACCESSIBILITY menu:

- 1. Press the **Menu** button on the remote control.
- 2. Use the **Arrow** and **OK** buttons to navigate and select **System** then **Accessibility**.
- **3. Talk Back -** Turn Text-to-Speech Talk Back **On or Off**. Text-to-Speech Talk Back enables your TV to speak all settings changes and adjustments using the remote in English.
- **4. Speech Rate -** Adjusts the rate in which Text-to-Speech is spoken. Select **Slow, Normal (Default), or Fast**.
- **5. Zoom Mode -** Enlarges a section of the screen by approximately 200%.

Accessibility← BackTalk BackOffSpeech RateNormalZoom modeOff

To access the Closed Caption** menu:

- 1. Press the **Menu** button on the remote control.
- 2. Use the Arrow and OK buttons to navigate and select Closed Captions.

To access the Video Description** menu:

- 1. Press the **Menu** button on the remote control.
- 2. Use the **Arrow** and **OK** buttons to navigate and select **Settings** then **Channel** then **Digital Audio** then **Spanish/Video Description.**

Using The Reset & Admin Menu

The Reset & Admin Menu

You can use the TV's RESET & ADMIN menu to restore the TV to its factory default settings as well as access other system settings.

Using the RESET & ADMIN, you can:

- Reset the TV to factory settings
- Force the system to power off and on
- Create a system pin code to lock content and picture settings
- Enable or disable program offers and suggestions
- Enable or disable anonymous debug data for system performance
- Start or stop the Store Demo Mode

Reset & Admin	←Back			
Reset to Factory Defaults				
Soft Power Cycle				
Power Indicator	On			
System PIN Code				
USB Power	Always On			
Viewing Data	On			
VIZIO Privacy Policy				
Store Demo				

Restoring the TV to Factory Default Settings

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

To restore the TV to its factory default settings:

- 1. Press the **Menu** button on the remote. The on-screen menu is displayed.
- 2. Use the **Arrow buttons** on the remote to highlight **System** and press **OK**. The SYSTEM menu is displayed.
- 3. Highlight Reset & Admin and press OK. The RESET & ADMIN menu is displayed.
- 4. Highlight **Reset to Factory Defaults** and press **OK**. If you have changed the set system PIN, enter it now. The TV displays, "Select Reset to restore all TV settings to factory defaults and clear all account information."
- 5. Highlight **Reset** and press **OK**.
- 6. Wait for the TV to turn off. The TV will turn back on shortly afterward and the **Setup App will begin.**



If you restore the TV to the factory default settings, all changes you have made to the settings will be lost! This includes any wireless or picture settings.

Setup After Factory Reset

Setup After Factory Reset

If you reset the TV, the on-screen instructions will guide you through each of the steps necessary to get your TV ready for use.

Before you begin the setup:

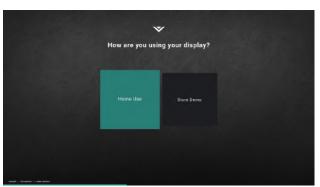
- Your Television should be installed and the power cord should be connected to an electrical outlet.
- If you have a wireless network, have the network password ready.
- If you are connecting to your network with an Ethernet cable, connect it to the Ethernet port on the Television.



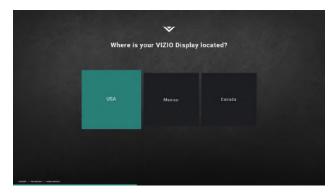
How are you using your display?

Home Use Store Demo

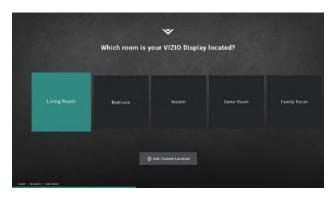
1. Choose your language.



2. Choose home use.



2. Choose home use.



3. Choose your country.

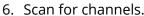


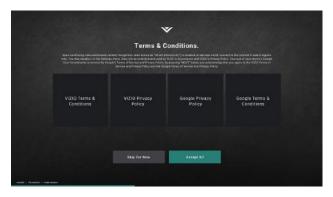
5. Name your TV.

6. Scan for channels.

Setup After Factory Reset (continued)







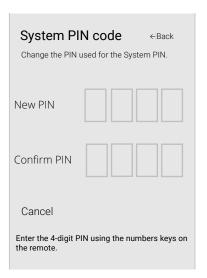
7. Accept the T&Cs and register your device.

Set System Pin

You can set a System Pin to use:

- Picture mode lock
- Parental controls
- Reset to TV to factory default setting

The first time you select System PIN code, you will enter a PIN. The next time you open System PIN code you can reset your PIN code.



About Viewing Data

Video ACR collects data related to publicly available content displayed on your television/display, such as the identity of your broadcast, cable, or satellite television provider, and the television programs and commercials viewed (including time, date, channel, and whether you view them live or at a later time). We also collect unique identifiers about this TV, including the IP address. This data is collectively referred to as "Viewing Data." For more information about Viewing Data and how VIZIO protects its customers' privacy, please consult our privacy policy at www.vizio.com/privacy.

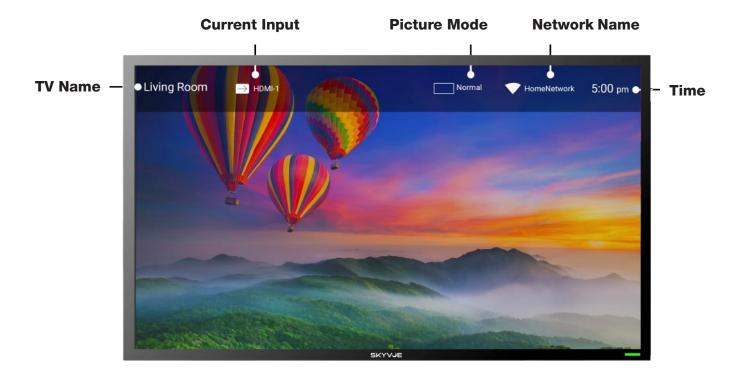
When ACR collection is turned on, we may share Viewing Data with authorized data partners including analytics companies, media companies and advertisers. VIZIO and its authorized data partners use Viewing Data to generate summary analysis and reports of how users engage with content on their TVs and other devices. VIZIO Viewing Data is sometimes enhanced with household demographic data and data about digital actions (e.g. digital purchases and other consumer behavior taken by devices associated with the IP Address we collect). Viewing Data also enables our authorized data partners to deliver advertising relevant to your profile that you might find useful, both on the VIZIO TV/display and other devices sharing your IP Address. Viewing Data is also used to help content publishers, broadcasters or content distribution services create or recommend more relevant entertainment based on summary insights, as well as helps us improve the design of our products, software and services.

You can easily turn this feature On or Off in the RESET & ADMIN menu. If you have trouble enabling or disabling Viewing Data, please contact SKYVUE customer service by emailing info@skyvue.com or calling (877) 475-9883 option 2.

Using The Info Window

The Info Window can be displayed by pressing the Info button on the remote:

• Press the Info button one time to display the TV name, current input, picture mode, network name, and time.



SmartCast TV™

What is Vizio SmartCast TV™?

SmartCast TV lets you discover, stream, and control your content like never before. Access top apps like Netflix more easily, using the included remote to browse and launch content directly from the big screen. SmartCast TV makes finding something to watch more fun - discover new shows, including movies in 4K UHD. Plus, you can quickly set up and adjust settings right on the TV using the included remote control.

What can you do with SmartCast TV™?

- Browse and launch top tier apps directly from the big screen using the included remote.
- Stream content directly from the home screen with a single button press.
- Stream high quality entertainment in 4K and HDR10.
- Initiate a stream with the included IR remote, pause with mobile app, continue controlling with voice via Google Home.

How to access the SmartCast TV™?

To acess and begin streaming with SmartCast TV:

Select SmartCast from the list of inputs.



Playing USB Media

USB Media

You can connect a USB thumb drive to your TV to play videos.

Preparing Your USB Drive to Play USB Media

To TV USB media, you must first save your videos 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 (.mp4 only).
- The player is not designed to play media from external hard drives, MP3 players, cameras, or smartphones.

Displaying USB Media

To display your USB media:

- 1. Connect your USB thumb drive to the USB port on the side of the TV.
- 2. The TV will recognize the USB stick and begin playing conent on its own.
- -OR
- 3. Select USB from the bottom streaming icons on the SmartCast Homepage.



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

Removing the USB Drive from the TV

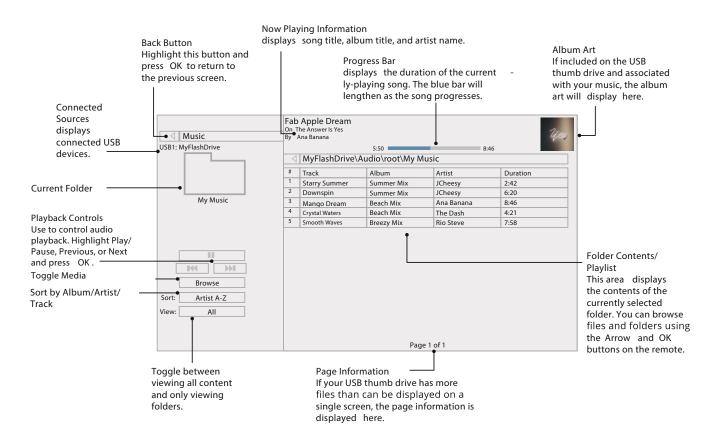
To safely remove your USB drive from the TV:

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



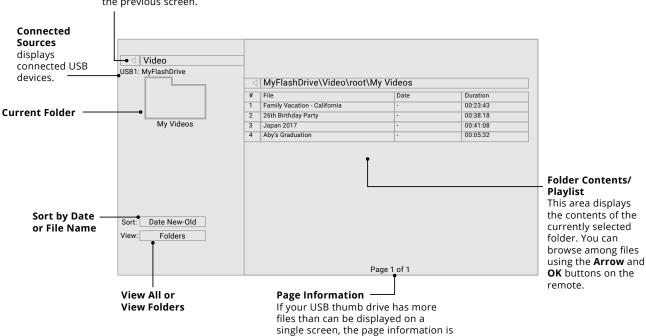
Do not remove the USB thumb drive while the TV is on. Doing so may damage the drive.

USB Media (continued)



Back Button

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



displayed here.



Help Topics

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 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.

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.
- 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.
- 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.

The colors on the TV don't look right

- Adjust the Color and Tint settings in the Picture menu. See Adjusting the Picture Settings.
- Select a pre-set picture mode. **See Adjusting the Picture**, SKYVUE recommends selecting Vivid.
- 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

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 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 view mode () button on the remote to change the screen mode.

The TV has pixels (dots) that are always dark

 Your HD TV is precision-manufactured using an extremely high level of technology. However, sometimes pixels may not display correctly. These types of occurrences are inherent to this type of product and do not constitute a defective product. Please call our Tech Support Team for additional information. 877-475-9883 ext. 2.



I see "noise" or static on the screen

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

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

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

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

• Make sure your phone or tablet is connected to a Wi-Fi network. Open a browser on your phone or tablet. Navigate to vizio.com/smartcastapp and follow the on-screen instructions to download the VIZIO SmartCast™ App.

How do I change the Inputs?

- Make sure the VIZIO SmartCast™ App is installed on your phone or tablet. Open the VIZIO SmartCast™ App. Tap on the Device list and select your TV. Tap on the Input key and select the Input of your choice.
- Press the Input button on the back of the Display to cycle through the Inputs.
- Press the Input button on the basic remote to cycle through the Inputs.

How do I connect to my Wi-Fi network?

- On your IR remote, press the Menu button then go to Network > Select your Wi-Fi name > Enter password.
- Open the VIZIO SmartCast™ App on your phone or tablet. Tap on the device list and select your Display. Tap on the Settings icon Network > Wireless Access Points.
- Select your Wi-Fi network from the list, enter the Wi-Fi password, and tap Connect.

How do I stream apps like Netflix and Youtube to my VIZIO SmartCast™ Display?

 Download and open a Chromecast-enabled apps on your mobile device, such as like Netflix or Youtube. Then tap the Cast button.

How do I exit Demo Mode

Press and hold the Input button on the back of the Display to exit the demo mode.

How do I watch Cable/Antenna TV channels?

- If you subscribe to cable or satellite, simply connect an HDMI cable (not included) to the receiver.
- If you use external antennas to watch local broadcast channels, a TV tuner is required and is sold separately by third parties.

Regulatory Information

FCC Class B Radio Interference Statement

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

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

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

Notice

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Shielded interface cables and AC power cord, if any, must be used in order to comply with the emission limits. 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.

Canada Notice for License-Exempt Radio Apparatus

This device complies with Industry Canada's license-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device operates on a no-protection no-interference basis. Should the user seek to obtain protection from other radio services operating in the same TV bands, a radio license is required. Please consult Industry Canada's document CPC-2-1-28, Optional Licensing for Low-Power Radio Apparatus in the TV Bands, for details.

Cet appareil est conforme aux CNR exempts de licence d'Industrie Canada. . Son fonctionnement est sujet aux deux conditions suivantes:

- 1. le dispositif ne doit pas produire de brouillage préjudiciable, et
- 2. ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable

Cet appareil fonctionne sur une base sans protection et sans interférence. Dans le cas où l'utilisateur cherche à obtenir de la protection des autres services de radio fonctionnant sur les mêmes bandes TV, aucune license est requise. Veuillez consulter le document CPC-2-1-28 d'Industrie Canada, License optionnelle pour les appareils radio de faible puissance, pour plus de détails.

Industry Canada Class B emission compliance statement This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Declaración de México

La operación de este equipo está sujeta a las siguientes dos condiciones:

- 1. es posible que este equipo o dispositivo no cause interferencia perjudicial y
- 2. este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

Legal Information

Software Licenses

All software is provided subject to a software license agreement(s) and you agree that you will be bound by such license agreement(s) in addition to these terms. Your use of this product is subject to VIZIO's privacy policy, which may be updated from time to time, and is available to view at http://www.vizio.com/privacy.

Export Regulations

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

Internet Connectivity

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

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

A Google account is required to download applications from the Google Play store. A MyVIZIO account is required to access certain features of the VIZIO SmartCastTM App.

Information in this User Manual is subject to change without notice.

All reasonable efforts have been made to ensure the accuracy of the information provided herein. All product specifications, functionality features, configurations, performance, design and other product information described herein are subject to change without notice. SKYVUE is not responsible for typographical, technical, or descriptive errors.

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Caution: Avoid exposing a drive to magnetic fields. Security devices with magnetic fields may include airport walk-through devices and security wands. Airport conveyor belts or similar security devices that check carry-on luggage generally use X-rays and should not cause magnetic damage to drives. If you are traveling internationally, check the customs regulations for device use for each country you will visit, and check the power cord and adapter requirements for each location in which you plan to use the display as voltage, frequency and plug configurations may vary.



FCC Warning



Caution: This product may be shipped with batteries. Do not dispose of batteries in a fire or with ordinary household waste. Batteries may explode and can cause damage. Replace batteries only with the same or equivalent type of battery recommended by SKYVUE. The disposal of batteries may be regulated by your state. Please always check with your state to determine the how to properly dispose of your batteries.

Product Recycling

The disposal and recycling of consumer electronic products may be regulated by your state. Always properly dispose of your SKYVUE products in accordance with local laws and regulations. SKYVUE supports the proper recycling of our products.

Packaging Disposal

SKYVUE encourages the recycling of the packaging used for this product. Please break-down all boxes and recycle eligible materials according to local laws and regulations.



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



We at SKYVUE outdoor TV's want to thank you for purchasing your new Fusion series SkyVue outdoor TV.

SKYVUE will warranty any defect or failure from the manufacturing process according to the terms listed in the warranty section of our site: www.skyvue.com

SKYVUE does not maintain or support any 3rd party software or apps that are preloaded or downloaded to the TV. For any support of an app that is not functioning correctly, please contact the original publisher.