



Dear VIZIO Customer,

Congratulations on your new VIZIO VM190XVT or VM230XVT television purchase. To get the most out of your new VIZIO HDTV, please read these instructions before making any adjustments, and retain them for future reference. We hope you will experience many years of enjoyment from your new VIZIO HDTV High Definition Television.

For assistance, please call **877-MYVIZIO** (877-698-4946) or e-mail us at www.VIZIO.com.

To purchase or inquire about accessories and installation services for your VIZIO HDTV, please visit our website at www.VIZIO.com or call toll free at **(888) 849-4623**.

We recommend you register your VIZIO HDTV either at our website www.VIZIO.com or fill out and mail your registration card. For peace of mind and to protect your investment beyond the standard warranty, VIZIO offers on-site extended warranty service plans. These plans give additional coverage during the standard warranty period. Visit our website or call us to purchase a plan.

Write down the serial number located on the back of your HDTV for easy reference when obtaining warranty support:

Serial #: _____	Purchase Date _____
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Dolby and the double-D symbol are trademarks of Dolby Laboratories.



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

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Important Safety Instructions

Your HDTV is designed and manufactured to operate within defined design limits, and misuse may result in electric shock or fire. To prevent your HDTV from being damaged, the following instructions should be observed for the installation, use, and maintenance of your HDTV. Read the following safety instructions before operating your HDTV. 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 HDTV.
- Unplug the power cord before cleaning your HDTV. A damp cloth is sufficient for cleaning your HDTV. Do not use a liquid or a spray cleaner for cleaning your HDTV. Do not use abrasive cleaners.
- Always use the accessories recommended by the manufacturer to insure compatibility.
- When moving your HDTV from an area of low temperature to an area of high temperature, condensation may form in the housing. Wait before turning on your HDTV to avoid causing fire, electric shock, or component damage.
- Use only with the cart, stand, tripod, bracket, or table specified by manufacturer or sold with your HDTV. When a cart is used, use caution when moving the cart/HDTV combination to avoid injury from tip-over. Do not place your HDTV on an unstable cart, stand, or table. If your HDTV falls, it can injure a person and cause serious damage to your HDTV. Use only a cart or stand recommended by the manufacturer or sold with your HDTV.
- A distance of at least 3 feet should be maintained between your HDTV and any heat source, such as a radiator, heater, oven, amplifier etc. Do not install your HDTV close to smoke. Operating your HDTV 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 HDTV and to protect it from overheating, be sure these openings are not blocked or covered. Do not place your HDTV in a bookcase or cabinet unless proper ventilation is provided.
- Never push any object into the slots and openings on your HDTV cabinet. Do not place any objects on the top of your HDTV. Doing so could short circuit parts causing a fire or electric shock. Never spill liquids on your HDTV.
- Your HDTV 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 HDTV. This may compromise the integrity of the display. The manufacturer's warranty does not cover user abuse or improper installations.
- The power cord must be replaced when using different voltage than the voltage specified. For more information, contact your dealer.
- Your HDTV is equipped with a **three-pronged grounded plug (a plug with a third grounding pin)**. This plug will fit only into a grounded power outlet. This is a safety feature. If your outlet does not accommodate the three-pronged, have an electrician install the correct outlet, or use an adapter to ground your HDTV safely. **Do not defeat the safety purpose of the grounded plug.**
- When connected to a power outlet, power is always flowing into your HDTV. 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 HDTV that may be of sufficient magnitude to constitute a risk of electric shock to persons.



- The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and servicing instructions in the literature accompanying your HDTV.
- Do not overload power strips and extension cords. Overloading can result in fire or electric shock.



- The wall socket should be installed near your HDTV and easily accessible.
- Only power of the marked voltage can be used for your HDTV. 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 HDTV during a lightning storm or when it will not be used for long period of time. This will protect your HDTV from damage due to power surges.
- Do not attempt to repair or service your HDTV 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.
- Keep your HDTV away from moisture. Do not expose your HDTV to rain or moisture. If water penetrates into your HDTV, unplug the power cord and contact your dealer. Continuous use in this case may result in fire or electric shock.
- Do not use your HDTV 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 HDTV yourself.
- Avoid using dropped or damaged appliances. If your HDTV 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 HDTV may cause fire or electric shock.
- Do not install your HDTV in an area with heavy dust or high humidity. Operating your HDTV in environments with heavy dust or high humidity may cause fire or electric shock.
- Follow instructions for moving your HDTV. Ensure that the power cord and any other cables are unplugged before moving your HDTV.
- When unplugging your HDTV, hold the power plug, not the cord. Pulling on the power cord may damage the wires inside the cord and cause fire or electric shock. When your HDTV 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.
- If any of the following occurs, contact the dealer:
 - The power cord fails or frays.
 - Liquid sprays or any object drops into your HDTV.
 - Your HDTV is exposed to rain or other moisture.
 - Your HDTV is dropped or damaged in any way.
 - The performance of your HDTV changes substantially.



Television Antenna Connection Protection

External Television Antenna Grounding

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.

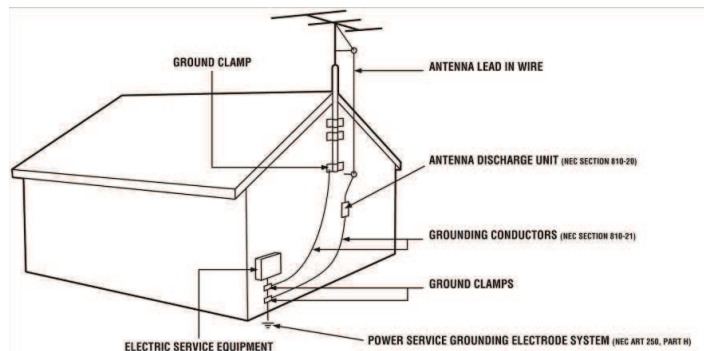
Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of the grounding conductors, location of antenna discharge unit, connection to grounding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

Advisory of the DTV Transition

The nationwide switch to digital television broadcasting will be complete on June 12, 2009, but your local television stations may switch sooner. After the switch, analog-only television sets that receive TV programming through an antenna will need a converter box to continue to receive over-the-air TV. Watch your local stations to find out when they will turn off their analog signal and switch to digital-only broadcasting. Analog-only TVs should continue to work as before to receive low power, Class A or translator television stations and with cable and satellite TV services, gaming consoles, VCRs, DVD players, and similar products.

For additional information, please contact the parties listed below, as appropriate:

FCC (US Federal Communications Commission)

<http://www.fcc.gov/>

Phone: 1-888-CALL-FCC (1-888-225-5322)

TTY: 1-888-TELL-FCC (1-888-835-5322)

Fax: 1-866-418-0232

E-mail: fccinfo@fcc.gov

NTIA (National Telecommunications and Information Administration)

<http://www.ntia.doc.gov/> 1-888-DTV-2009

Listings of US Television Stations: <http://www.high-techproductions.com/usTVstations.htm>



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Opening the Package

Your HDTV and its accompanying accessories are carefully packed in a cardboard carton that has been designed to protect it from transportation damage. Once you have opened the carton, check that your HDTV is in good condition and that all of the contents are included.

The glass surface can easily be scratched or broken, so handle your HDTV gently and never place your HDTV with the glass facing downwards on a surface without protective padding.

IMPORTANT: Save the carton and packing material for future shipping.

Package Contents

- VIZIO VM190XVT or VM230XVT
- Stand with thumb screw
- VIZIO remote control VR9
- AAA batteries for the remote control (2)
- AC/DC power adapter
- This user manual
- Cleaning cloth
- Quick Setup Guide
- Registration Card



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

HDTV Accessories and Services

Additional certified accessories for your HDTV are sold separately, including:

- Wall mounts
- High Definition cables
- Extra or replacement remote controls
- Sound Bars
- Blu-ray DVD Players

VIZIO also offers installation services and extended warranty services for your HDTV.

To purchase or inquire about additional accessories and services for your VIZIO HDTV, visit our website at www.VIZIO.com or call us toll free at **877-MYVIZIO** (877-698-4946).



Chapter 1 Setting Up Your HDTV

- Read this user manual carefully before installing your HDTV.
- The power consumption of your HDTV is about 23W (VM190XVT); 30W (VM230XVT) average. Use the included AC/DC power adapter. When an extension cord is required, use one with the correct power rating. The cord must be grounded and the grounding feature must not be compromised.
- Install your HDTV on a flat surface to avoid tipping.
- For proper ventilation, you must allow a 1" space between the back of your HDTV and the wall.
- Avoid installing your HDTV in places with high humidity, dust, or smoke so you do not shorten the service life of the electronic components.
- Install your HDTV in a level, landscape orientation, with the VIZIO logo at the bottom to prevent poor ventilation and excessive component damage.
- If you want to mount your HDTV on the wall, see below for additional information.
- Read this user manual carefully before installing your HDTV.

VIZIO offers professional installation services including home networking. Contact VIZIO for more information on these services at **877-MYVIZIO** (877-698-4946) or www.VIZIO.com.

Attaching the TV Stand

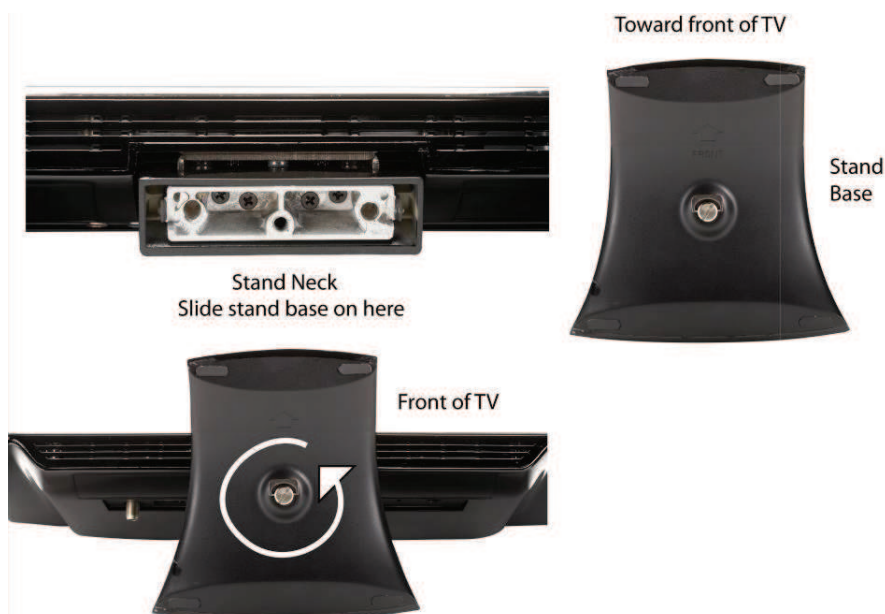
Unpack the TV and stand base:

1. Remove the remote control, batteries, base, and AC/DC power adapter.
2. Remove the TV from the box and lay it face down on a clean, flat surface.

Note: Make sure that the surface is free of debris to prevent the TV screen from getting scratched.

Attach the TV stand base:

1. Push the stand base onto the stand neck (already connected to TV) making sure the arrow on the base points toward the front of the TV.
2. On the bottom of the base, tighten the wing screw. Move the TV into an upright position.



Wall Mounting Your HDTV

Your HDTV can be mounted on the wall for viewing. If you choose to mount your HDTV on the wall, follow the instructions below.

1. Write down the serial number located on the back of your HDTV in the space provided on page 1 to have it handy if you need to call for support.
2. Remove the stand base and neck:
 - a. Disconnect the cables from your HDTV.
 - b. Place your HDTV face down on a soft, flat surface to prevent damage to the screen.
 - c. Flip the base 90 degrees. In this manner, the stand neck will be out of view after the base is removed.
 - d. Loosen the wing screw and remove the stand base.
3. Mount your HDTV on the wall:
 - a. Attach your HDTV to a wall mount (sold separately) using the mounting holes in the back panel of your HDTV (see illustration at the right).
 - b. Read the instructions that came with your specific wall mount to properly hang your HDTV.



Wall Mounting Specifications	
Screw Size	• M4 x 10
Screw Length	• 10.0 mm
Screw Pitch	• 0.7 mm
Hole Pattern	• VESA standard 100 x 100 mm spacing



Chapter 2 Basic Controls and Connections

Front Panel

POWER 'VIZIO' LIGHT—The VIZIO logo lights white when powered on.

Your HDTV TV features touch-sensitive buttons that light when active. The proximity sensor detects you, and as your hand gets closer to the surface, the intensity of the LEDs increase.

Remote Control Sensor—Point the remote control directly at this window on the lower left corner of your HDTV for the best response to the remote signal.



1. POWER ()—Turn your HDTV on by pressing the button once. Press the button again to turn your HDTV off.

2. MENU—Press to launch the on-screen menu. If a sub-menu is active, this button will proceed to the next level.

3. CH ▲/▼—Press to change the channels up or down. While the menu is active, these buttons function as up and down controls.

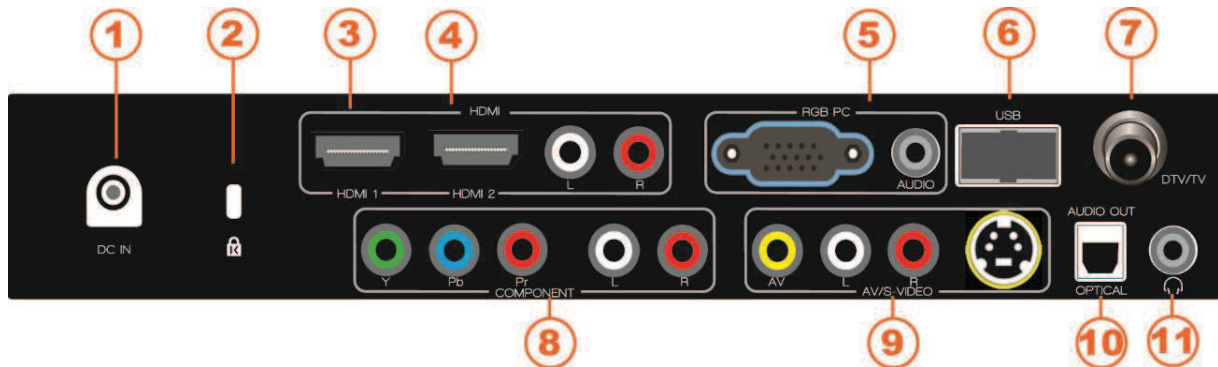
4. VOL ▲/▼—Press to increase or decrease the speaker volume. While the menu is active, these buttons function as left and right controls.



5. INPUT (SELECT)—Press to cycle through the various devices connected to your TV (called Inputs). The inputs cycle in the following sequence: TV, AV (Composite), COMP (Component), HDMI-1, HDMI-2, and RGB (VGA). Once you have stepped through the entire sequence, you will return to the beginning. If a sub-menu is active, pressing this button will return to the previous menu level. Additionally, when the menu is active, this button confirms the menu function to be adjusted.



Rear Panel Connections



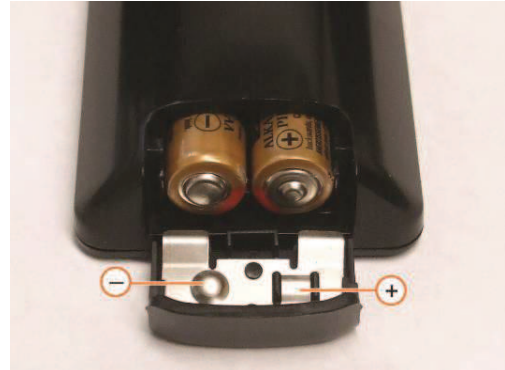
1. **DC IN**—Connect the included DC power supply here. Connect the other end to a wall outlet.
2. **Kensington Security Slot**—Insert a Kensington lock and attach your HDTV to a permanent object to prevent theft.
3. **HDMI 1**—Connect digital video devices such as a DVD player or Set-Top Box through these all digital connectors.
4. **HDMI 2 with L/R Audio**—Connect another digital video device such as a DVD player or Set-Top Box through this all digital connector. For users who want to connect to a DVI enabled device, use a DVI-HDMI cable and connect the analog audio output of the device to the **L / R AUDIO** here. Your VIZIO Certified HDMI-DVI cables are available for purchase from www.VIZIO.com or by calling **877-MYVIZIO** (877-698-4946).
5. **RGB PC**— Connect the video and audio from a computer here. Connect a 1/8" mini plug stereo connector from the computer to the TV if you want the sound to come from the HDTV speakers.
6. **USB PORT**—Insert a FAT/FAT32 formatted USB drive to view pictures. This port is also used for service.
7. **DTV/TV**— Connect to an antenna or digital cable source. For digital TV stations in your area visit www.antennaweb.org. For cable and satellite set-top boxes, we recommend that you use a HDMI or component cable connection for high definition image quality.
8. **COMPONENT (Y Pb/Cb Pr/Cr with L/R Audio)**—Connect component video devices such as a DVD Player or set top box here.
9. **AV/S-VIDEO**— Connect composite or S-Video video devices, such as a VCR or game console. Use the white and red connectors to connect the external audio from the same source.
10. **AUDIO OUT**—(OPTICAL) When digital TV is selected for viewing, the audio associated with the programming will be available on the SPDIF Optical connector for connection to a VIZIO Sound Bar or your Home Theater system.
11. **Headphones**—Connect your personal headphones here.



Chapter 3 VIZIO Remote Control

Installing the Batteries

1. Remove the battery cover.
2. Insert two AAA batteries into the remote control. Make sure that you match the (+) and (-) symbols on the batteries with the (+) and (-) symbols inside the battery compartment.
3. Replace the battery cover.



Precautionary Tips for Inserting the Batteries:

- Only use Alkaline AAA batteries.
- Do not mix new and old batteries. This may result in cracking or leakage that may cause a fire or lead to personal injury.
- Inserting the batteries incorrectly may also result in cracking or leakage that may cause a fire or lead to personal injury.
- Dispose of batteries according to local hazardous waste regulations.
- Keep the batteries away from children and pets.

Remote Control Range

- Point the remote control directly at this sensor for the best response to the remote signal.
- Do not place any obstacles between the remote control and the remote control sensor.
- The effective range of the remote control is approximately 22 feet (7 meters) from the front of the remote control sensor, 30° to the left and right, 20° up and down.




VIZIO Remote Control Precautions

- The remote control should be kept dry and away from heat sources. Avoid humidity.
- If the TV responds erratically to the remote control or does not respond at all, check the batteries. If the batteries are low or exhausted, replace them with fresh batteries.
- When not using the remote control for a long period of time, remove the batteries.
- Do not take the batteries apart, heat them, or throw them into a fire.
- Do not subject the remote control to undue physical stress, such as striking or dropping it.
- Do not attempt to clean the remote control with a volatile solvent. Wipe it with a clean, damp cloth.



Remote Control Buttons

INFO—Press to display program information.

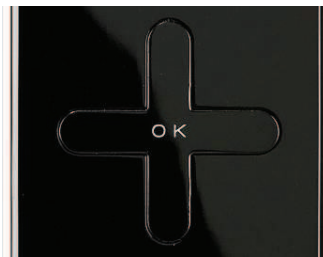
POWER ()—Press to turn the TV on from the Standby mode. Press it again to return to the Standby mode.

TV—Press to select the TV input.

AV—Press to select the AV (either Composite or S-Video) input.

COMP—Press to select the Component input.

HDMI—Press to select the HDMI input. Press repeatedly to cycle between both HDMI inputs.



Up, Down, Left or Right navigation buttons— Press to navigate open menus, adjust other TV settings such as Brightness and Contrast, or turn menu options On and Off.
OK— Press to select an option in the menu.

VOL ▲/▼—Press to turn the volume up or down.

CH ▲/▼—Press to change the channels up or down.

MUTE—Press to turn the sound on and off.

LAST— Press to recall the previously viewed channel. When the Menu is active, press repeatedly to go to the previous level or out of the On Screen Menu completely.

Number Button Pad—Press to select a channel or enter a password.

INPUT—Press to cycle through the various devices connected to your TV (called Inputs). The inputs cycle in the following sequence: TV, AV (Composite), COMP (Component), HDMI-1, HDMI-2, and RGB (VGA). Once you have stepped through the entire sequence, you will return to the beginning.

- (DASH) —Press to insert a dash between the main and sub-channels. For example, channel 28-2 would be selected by the button sequence 2, 8, DASH, 2.

EXIT— Press to exit from open menus.

Play (▶)—Press to start playing the recorded programming when in *Pause Live TV mode*.

Stop (■)—Press to take you out of *Pause Live TV mode* and back to live TV.

Fast Forward (▶▶)—Press to skip forward in 15 second increments. You can also press the right navigation key. Also press this button to navigate in open menus.

Pause (||)—Press to pause live TV.

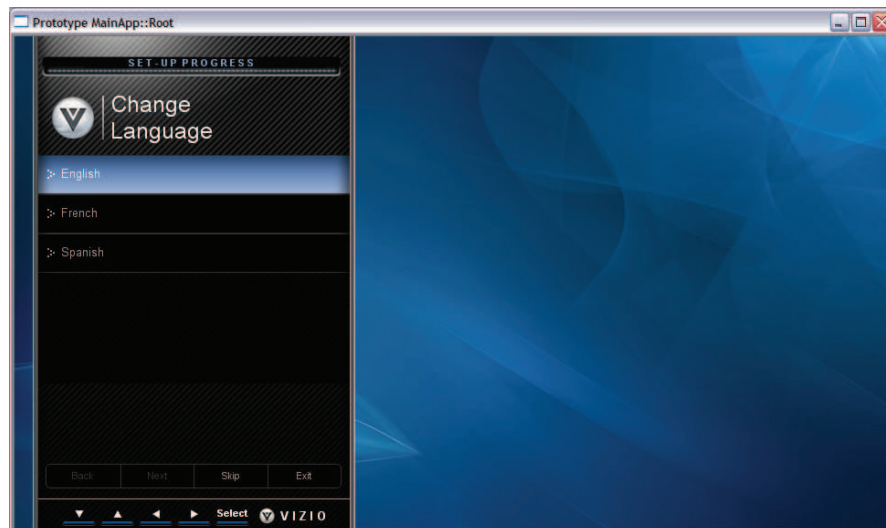
Fast Reverse (◀◀)—Press to skip backward in 15 second increments. You can also press the left navigation key. Also press this button to navigate in open menus.



Chapter 4 Getting Started

Your HDTV has a built-in setup App that runs when you turn on your TV for the first time. Follow the on-screen directions to easily setup your new HDTV.

1. Insert the batteries into the remote control.
2. Connect the power cord to the power cord connector on the back of your HDTV, and then plug the AC-DC Power Block into an AC wall socket.
3. Connect your devices to your HDTV (see Chapter 2 for detailed steps).
4. Turn on your TV. The Setup App will automatically play and guide you thru the initial setup of your HDTV. Use the Arrow and OK buttons to navigate through the setup App. During the setup process you will:
 - Choose your Menu language
 - Set the TV to Home Mode for the best picture and most efficient energy usage.
 - Set your Time Zone and Daylight Savings preferences
 - Add your TV channels (unless you have a Cable/Satellite Set-Top Box)



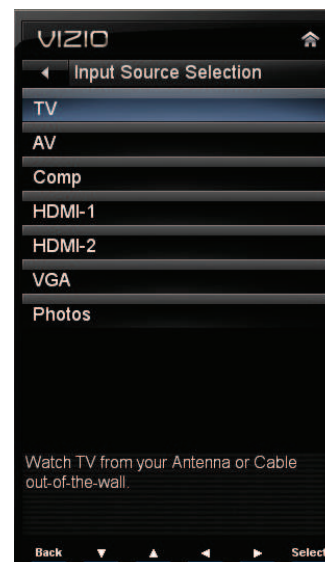
Chapter 5 Using your HDTV for the first time

Select Input Source

Select the input source for your HDTV by pressing the **INPUT** button on the remote control or the front of your TV. Pressing this button will cycle you through the following options: TV, AV, Comp, HDMI-1, HDMI-2, VGA, and Photos.

Turn on your device and you will see a picture on your HDTV. If there is no picture, make sure you have selected the correct input on your HDTV.

Note: If the selected device is RF connected, your HDTV needs to be in **TV** mode and on either channel 3 or channel 4 matching the channel which has been selected on the back of the VCR, Cable Box, External TV Tuner or Satellite Receiver. Please refer to Owner or User's Manual of such equipment for details.



Watching a TV Program

Before you start watching TV, please make sure that any cable, satellite or off-air antenna connections are secure. Also, verify that the AC/DC power adapter is plugged into a correctly grounded electrical outlet or surge protector.

1. Press the power button on the remote control. The VIZIO logo on the front will light up white.
2. Select the input to which your device is connected that provides TV programming (i.e. TV, HDMI, COMP).

Note: You should be able to see a picture. If you do not, make sure that all of your HDTV connections are secure and you have selected the correct video input source. Each press of the **INPUT** button on the remote control will cycle through the available inputs. Press the button until the input associated with the device you want to view is shown.

3. When using the TV input, press the channel buttons on the remote control or the CH ▲ or ▼ buttons to change the channel. The Channel buttons and on the remote, control will not work if you are watching a program using HDMI, Component, or AV (S-Video or Composite) inputs.



Pause-Live-TV (PLT)

This feature allows you to pause the digital program being viewed (either from your cable service without Set-Top Box or from an antenna) and resume viewing from the point at which the program was paused.

Connect a USB 2.0 device with a minimum of 1 GB of memory and use the following buttons on the remote control to operate this feature:

- **||** pauses the live program and starts recording for up to 29 minutes. A count-down timer will be displayed.
- **▶** resumes the playback.
- **▶▶** and **◀◀** skips forward and rewinds in 15 second increments.
- **■** exits back to live TV. You can also press **TV**, **AV**, **COMP**, or **HDMI** to exit this feature directly to the different inputs.

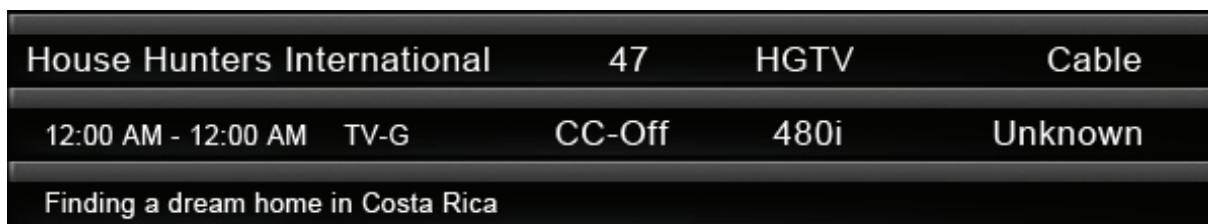
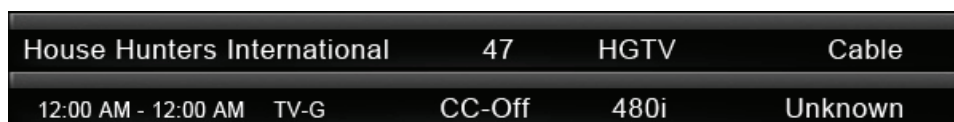
Note: The connected USB device must:

- Have a minimum 1 GB of memory.
- Be formatted as FAT32.
- Have a write speed higher than 10Mb/sec (USB1.1 or higher).
- Be blank (contain no other files).

Viewing Digital TV Program Information

INFO Button



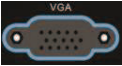
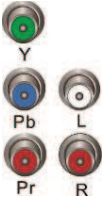

When the channel is changed or when you press the **INFO** button, an information header is shown over the picture for a few seconds. Each press of the **INFO** button will display more information about the program:



Chapter 6 Connecting Equipment

Which Video Connection Should I Use ?

You have six options for connecting your video equipment box to your HDTV from a basic connection to the most advanced for digital displays. Based on your Home Theater configuration, you can decide which option is the right one for you.

Connection Quality (type)	Connector	Description
Best (digital)		HDMI delivers the best image quality of any of the cable types available and it's all done over one cable. You get a great picture and cut down on your cable clutter. HDMI provides digital quality and amazing sound so if your TV has HDMI, this is the connection type you should be using.
Best (digital) ----- Compatible (analog)		Connect your antenna or coaxial cable to watch TV programming. This cable usually comes from your cable box or right out of the wall.
Best (analog)		The RGB (VGA) port allows you to connect your computer so you can use the TV as your monitor.
Better (analog)		Component consists of three cables for transmitting video and two cables for transmitting audio: one red and one white. Component video provides a sharper image than Composite video and should be used instead of composite when possible. However, because it is still an analog connection, it won't provide the high-quality video and audio that HDMI can produce.
Compatible (analog)		Using a unique connector, S-Video provides a sharper image than Composite video. However, S-Video is generally not ideal for high-definition video signals. Use HDMI or Component for high-definition signals. Composite consists of one yellow cable for transmitting video and two cables for transmitting audio: one red and one white. It is capable of transmitting stereo sound and standard definition video (480i). While it provides a good image, it has lower image quality than HDMI or Composite. So try to use one of those connections first.

Note: To maintain the display quality, use a VIZIO certified HDMI cable. This cable is available in 6, 8, and 12 foot lengths. Visit www.vizio.com or call 1-888-VIZIOCE (1-888-849-4623) for details.



Connecting Your Cable or Satellite Box

Using HDMI (Best)



Cable and Satellite Boxes that have a HDMI digital interface should be connected using HDMI for optimal results. To maintain image quality, use a VIZIO certified HDMI cable. This cable is available in 6, 15, and 30 foot lengths. See www.VIZIO.com or call **877-MYVIZIO** (877-698-4946) for details.

1. Turn off your HDTV and Cable/Satellite Box.
2. Connect an HDMI cable to the HDMI output of your HDTV Set-Top Box and the other end to the **HDMI 1** or **HDMI 2** input on your HDTV.
3. Turn on the power to your HDTV and your Cable/Satellite Box.
4. Select **HDMI-1** or **HDMI-2** using the **INPUT** button on the remote control, or directly by pressing the **HDMI** button on the remote control.

Note:

- The HDMI input on your HDTV supports High-bandwidth Digital Content Protection (HDCP). HDCP encrypts the transmission between the video source and the digital display for added security and protection.
- Refer to your Cable/Satellite Set-Top Box user manual for more information about the video output requirements of the product or consult your cable or satellite operator.

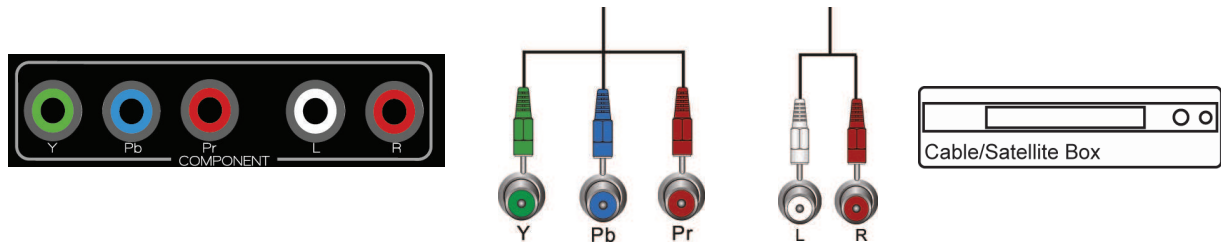
HDMI Connections for Cable or Satellite Boxes with DVI



1. Turn off the power to your HDTV and HDTV Set-Top Box.
2. Using a HDMI-DVI cable, connect the DVI end to your HDTV Set-Top Box and the HDMI end to the **HDMI 2** input on your HDTV.
3. Using an audio cable, connect the cable to the audio output connectors associated with the DVI output on your HDTV Set-Top Box and connect the other end to the audio connectors associated with the HDMI input on your HDTV.
4. Turn on the power to your HDTV and your Cable/Satellite Box.
5. Select **HDMI-2** using the **INPUT** button on the remote control, or directly by pressing the **HDMI** button on the remote control.

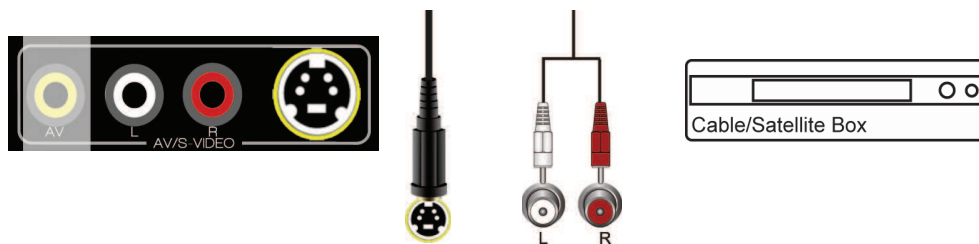


Using Component Video (Better)



1. Turn off your HDTV and Cable/Satellite Box.
2. Connect the component cables (green, blue, and red) from your Cable/Satellite Box to the **COMPONENT** jacks on your HDTV.
3. Connect the audio cables (white and red) from your Cable/Satellite Box to the **COMPONENT L and R Audio** jacks on your HDTV.
4. Turn on your HDTV and Cable/Satellite Box.
5. Select **Comp** using the **INPUT** button on the remote control, or directly by pressing the **COMP** button on the remote control.

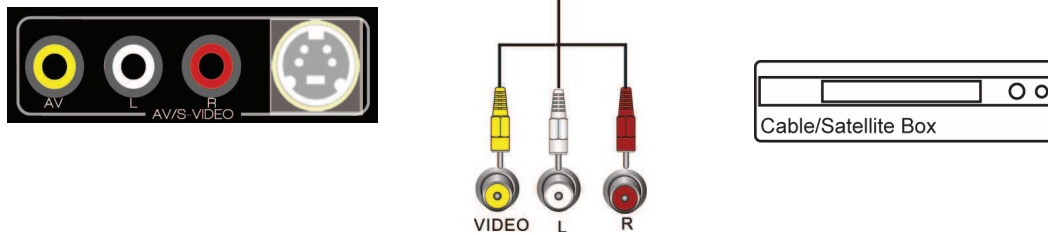
Using S-Video (Better)



1. Turn off your HDTV and Cable/Satellite Box.
2. Connect the S-VIDEO cable from your Cable/Satellite Box to the **S-VIDEO** jack on your HDTV.
3. Connect the audio cables (white and red) on your Cable/Satellite Box to the corresponding **L and R AUDIO** jacks on your HDTV.
4. Turn on your HDTV and Cable/Satellite Box.
5. Select **AV** using the **INPUT** button on the remote control, or directly by pressing the **AV** button on the remote control.



Using Composite Video (Compatible)



1. Turn off your HDTV and Cable/Satellite Box.
2. Connect the video cable (yellow) from your Cable/Satellite Box to the **AV** jack (yellow) on your HDTV.
3. Connect the audio cables (white and red) from your Cable/Satellite Box to the corresponding **L** and **R AUDIO** jacks on your HDTV.
4. Turn on your HDTV and Cable/Satellite Box.
5. Select **AV** using the **INPUT** button on the remote control, or directly by pressing the **AV** button on the remote control.

Using Coaxial (Antenna) (Compatible)



1. Turn off the power to your HDTV.
2. Connect the coaxial (RF) connector from your Cable Set-Top Box or Satellite Set Top Box to the **DTV/TV** connector on your HDTV.
3. Turn on the power to your HDTV.
4. Select **TV** using the **INPUT** button on the remote control, or directly by pressing the **TV** button on the remote control.
5. Perform an Auto Channel scan. See *Adjusting Your HDTV/TV Settings* for more information.



Connecting Your DVD Player

Using HDMI (Best)

DVD players that have a HDMI digital interface should be connected using HDMI for optimal results. To maintain image quality, use a VIZIO certified HDMI cable. This cable is available in 6, 15, and 30 foot lengths. See www.VIZIO.com or call **877-MYVIZIO** (877-698-4946) for details.



1. Turn off your HDTV and DVD player.
2. Connect a HDMI cable to the HDMI output of your DVD player and the other end to the **HDMI 1** or **HDMI 2** input on your HDTV.
3. Turn on the power to your HDTV and your DVD player.
4. Select **HDMI-1** or **HDMI-2** using the **INPUT** button on the remote control, or directly by pressing the **HDMI** button on the remote control.

Note:

- The HDMI input on your HDTV supports High-bandwidth Digital Content Protection (HDCP). HDCP encrypts the transmission between the video source and the digital display for added security and protection.
- Refer to your DVD player user manual for more information about the video output requirements.

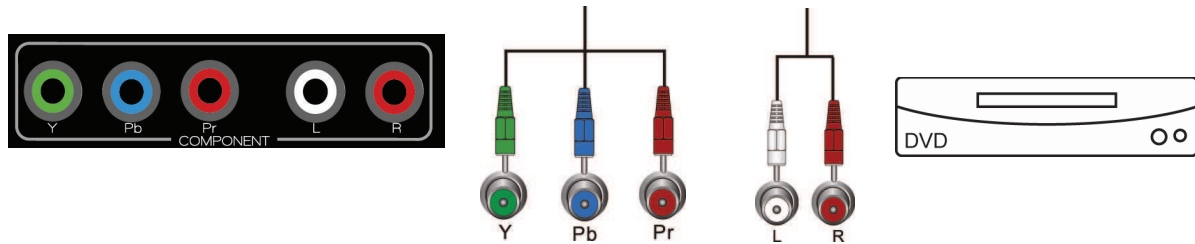
HDMI Connections for DVD Players with DVI



1. Turn off your HDTV and DVD player.
2. Using a HDMI-DVI cable, connect the DVI end to your DVD player and the HDMI end to the **HDMI 2** Input on your HDTV.
3. Connect the audio cables (white and red) from the DVI audio output jacks on the DVD player to the adjacent **HDMI 2 L** and **R AUDIO** jacks on your HDTV.
4. Turn on the power to your HDTV and your DVD player.
5. Select **HDMI-2** using the **INPUT** button on the remote control, or directly by pressing the **HDMI** button on the remote control.

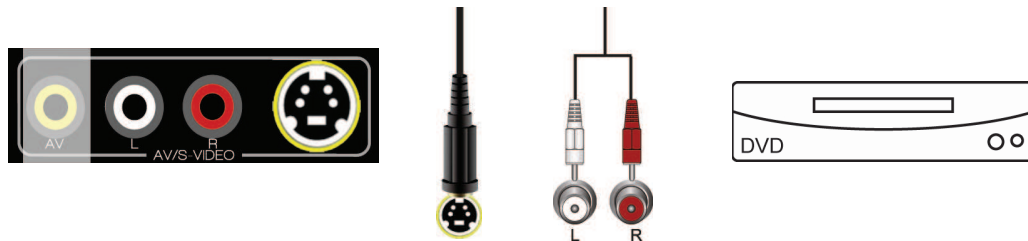


Using Component Video (Better)



1. Turn off the power to your HDTV and DVD player.
2. Connect the component cable (green, blue, and red) from your DVD player to the **COMPONENT** jacks on your HDTV.
3. Connect the audio cables (white and red) from your DVD player to the **COMPONENT L** and **R AUDIO** jacks on your HDTV.
4. Turn on the power to your HDTV and DVD player.
5. Select **Comp** using the **INPUT** button on the remote control, or directly by pressing the **COMP** button on the remote control.

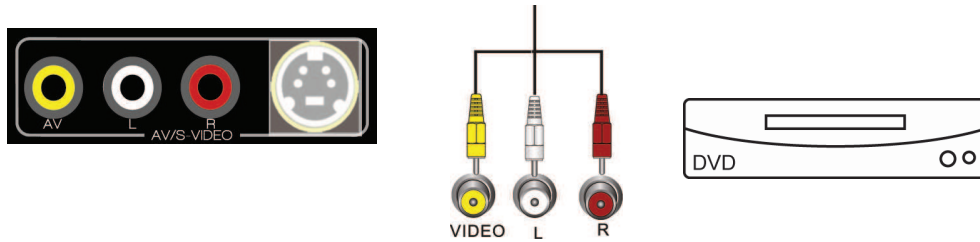
Using S-Video (Better)



1. Turn off the power to your HDTV and DVD player.
2. Connect the S-VIDEO cable from your DVD player to the **S-VIDEO** jack on your HDTV.
3. Connect the audio cables (white and red) on your DVD player to the corresponding **L** and **R AUDIO** jacks on your HDTV.
4. Turn on the power to your HDTV and DVD player.
5. Select **AV** using the **INPUT** button on the remote control, or directly by pressing the **AV** button on the remote control.



Using Composite (AV) Video (Compatible)



1. Turn off the power to your HDTV and DVD player.
2. Connect the video cable (yellow) from your DVD player to the **AV/S-VIDEO** jack on your HDTV.
3. Connect the audio cables (white and red) on your DVD player to the **AV/S-VIDEO L** and **R AUDIO** jacks on your HDTV.
4. Turn on the power to your HDTV and DVD Player.
5. Select **AV** using the **INPUT** button on the remote control, or directly by pressing the **AV** button on the remote control.

Connecting Coaxial (RF)

Using Your Antenna or Digital Cable for Standard TV or Digital TV

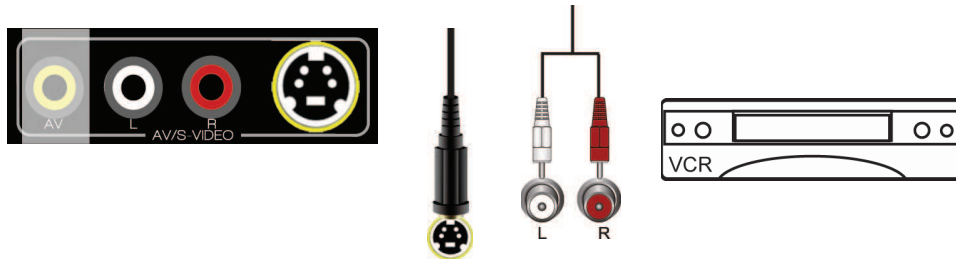


1. Turn off the power to your HDTV.
2. Connect the coaxial (RF) connector from your antenna or cable to the **DTV/TV** connector on your HDTV.
3. Turn on the power to your HDTV.
4. Select **TV** using the **INPUT** button on the remote control, or directly by pressing the **TV** button on the remote control.
5. Perform an Auto Channel scan. See Adjusting Your HDTV/TV Settings for more information.



Connecting Your VCR or Video Camera

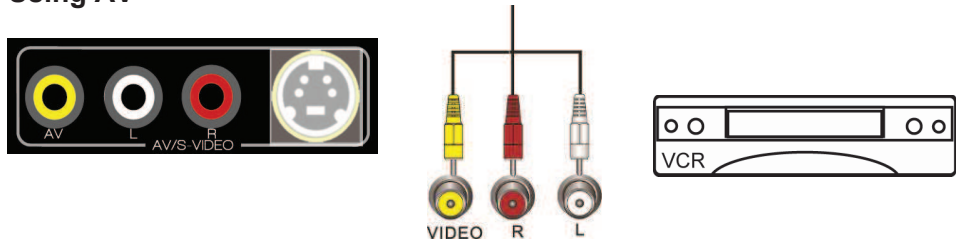
Using S-VIDEO



1. Turn off the power to your HDTV and VCR or Video Camera.
2. Connect the S-VIDEO cable from your VCR or video camera to the **S-VIDEO** jack on your HDTV.
3. Connect the audio cables on your VCR or video camera to the corresponding **L** and **R AUDIO** jacks on your HDTV.
4. Turn on the power to your HDTV and VCR or video camera.
5. Select **AV** using the **INPUT** button on the remote control, or directly by pressing the **AV** button on the remote control.

Note: Refer to your VCR or Video Camera user manual for more information about the video output requirements of the product.

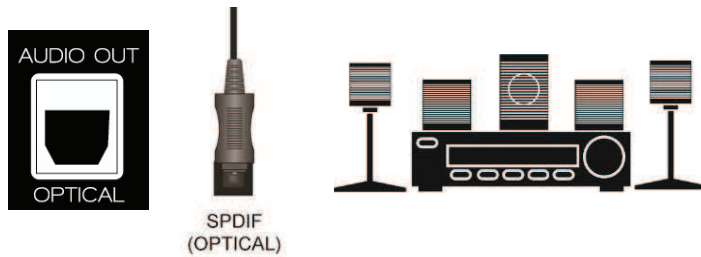
Using AV



1. Turn off the power to your HDTV and VCR or Video Camera.
2. Connect the yellow AV cable from your VCR or video camera to the **AV** jack on your HDTV.
3. Connect the audio cables on your VCR or video camera to the corresponding **L** and **R AUDIO** jacks on your HDTV.
4. Turn on the power to your HDTV and VCR or Video Camera.
5. Select **AV** using the **INPUT** button on the remote control or side of the TV.



Connecting a Home Theater System

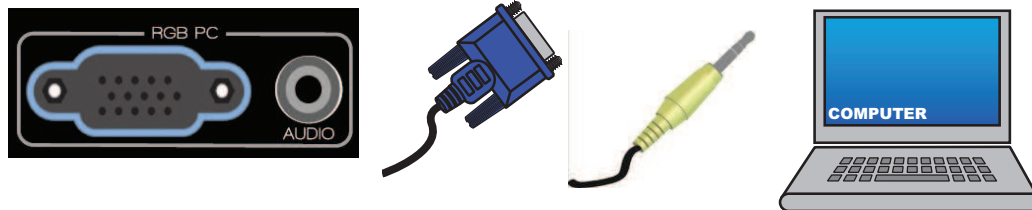


If your sound system has a SPDIF (optical) digital audio input you can connect it to the **OPTICAL** digital audio out on the back of your HDTV. This is active when receiving audio with the content being viewed no matter which input is being used.

1. Connect one end of the optical cable to the optical connection on the Home Theater and the other end to the **OPTICAL** jack on your HDTV.
2. Turn on the power to your HDTV and Home Theater.

Change the input on your Home Theater to optical. See your Home Theater user manual for more information.

Connecting a Computer



1. Set computer to a resolution supported by your HDTV. If your computer supports it, we recommend 1920x1080. (See *Preset PC Resolutions*.)
2. Turn off the power to your HDTV and Computer.
3. Connect the VGA cable from your computer to the **RGB PC** jack on your HDTV.
4. Connect the 1/8-inch audio cable from your computer to the RGB PC **Audio** jack on your HDTV. This step is optional and only needed to transmit audio from the computer through the TV.
5. Turn on the power to your HDTV and computer.
6. Select **RGB** using the **INPUT** button on the remote control or side of your HDTV.

Note: Refer to your PC computer user manual for more information about the video output requirements.



Chapter 7 Viewing pictures

Connect a USB flash drive to the USB port on your HDTV to view photos.

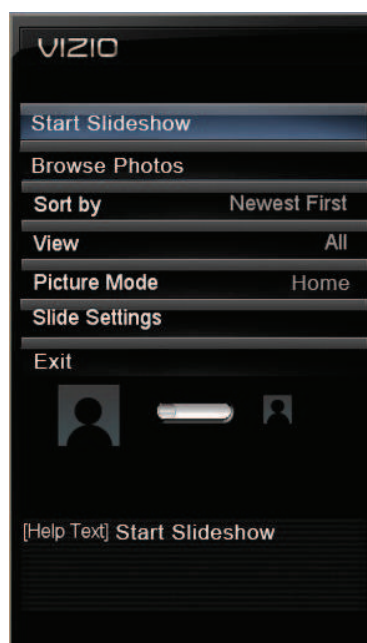
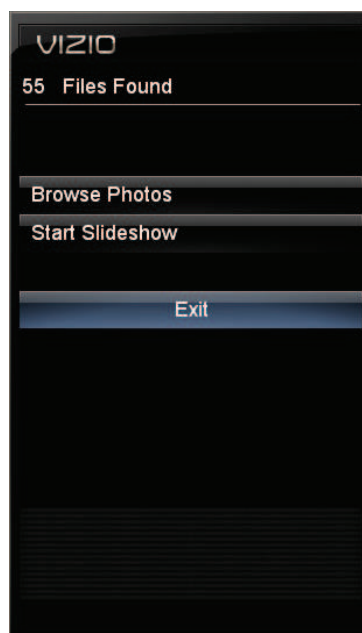
- USB drives that are USB 2.0 and FAT or FAT32 are supported. The USB Port does not support external hard drives or USB hubs.
- If your USB drive is oversized and does not physically fit in the USB port, use a USB extension cable. Connect one end of the cable to your USB drive and the other end to the USB port.
- Supported file extensions include .jpg and .jpeg.

Note: Even the supported format files listed above may or may not play properly or completely, depending on the USB device, bit rate stream, and other content characteristics, as well as other factors.

Viewing Photos

1. Turn on your HDTV.
2. Insert a USB device with photos into the USB port on your HDTV. A screen will appear listing the number of files found on your USB device.
3. Select **Start Slideshow** or **Browse Photos**.
 - a. In **Slideshow Mode** the pictures found automatically play.
 - i. Press Left or Right Navigation buttons to manually go to the next or previous picture.
 - ii. Press **OK** to open the *Modify Photo* menu. There you can zoom in and out, pan the photo left/right/up/down, rotate the photo, see information about the photo, or remove it from the slideshow.
 - iii. Press **■** to stop the slideshow. The *Photo menu* opens.
 - b. In **Browse Photos** mode, the *Photo menu* opens giving your more menu options.
 - i. Press Up or Down Navigation buttons to highlight an option and then press **OK** to select it. In some cases, a sub-menu will be displayed.
 - ii. Press **LAST** to go back to a previous screen.
4. To exit from viewing photos, press **■** and then press Up or Down Navigation buttons to select **EXIT**.

NOTE: No Thumbnail Preview will be displayed if the picture file does not contain EXIF metadata from a camera as the source. In the Modify Photo menu, the image must first be zoomed in before panning function is available.



Chapter 8 Adjusting Your HDTV Settings

Using the HDTV Settings App

The remote control or the buttons on the front of the TV can control all the function settings. The *HDTV Settings App* allows you to adjust contrast, brightness and other settings. The TV will save changes made to the settings, even if the TV is turned off.

The *HDTV Settings App* consists of several menu options. The main menu options may vary depending on your selected input source.

Note: Some of the main menu options may have additional submenus, for example, the TV Rating submenu for Parental Controls.

1. Press the **OK** button on the remote control. The *HDTV Settings App* opens.
2. Use the navigation keys around the **OK** button to select one of the menu options.
3. Press **OK** to select the option or feature you want to adjust.
4. Once the menu option is displayed, press Up or Down Navigation buttons to select one of the items to adjust.
5. Press **OK** to select, and then press Up, Down, Left, or Right Navigation buttons to adjust the selection.
6. Press **LAST** once to return to the previous screen or repeatedly to exit the On Screen Menu completely when finished making adjustments.
7. Press **EXIT** to close the *HDTV Settings App*.



Input Menu

Select the Input Source for your HDTV. Choose from **TV**, **AV**, **Comp**, **HDMI-1**, **HDMI-2**, **VGA**, and **Photos**.

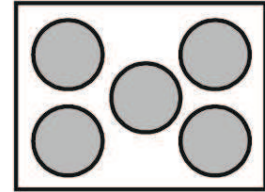


Wide

Select how the picture displays on the screen. As you select an option, you will see the screen adjusting to the different sizes. The options vary depending on the selected input and the TV program:

Normal Mode

The original 4:3 aspect ratio (1.33:1 source) is preserved, so black bars are added to the left and right of the display image. Standard TV broadcasts are displayed with a 4:3 Aspect Ratio. Movies in 4:3 Aspect Ratio may be referred to as pan-and-scan or full frame. These movies were originally filmed in 16:9 (widescreen), and then modified to fit a traditional TV screen (4:3).

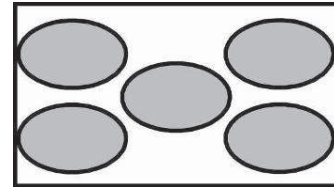


Full

Full mode allows you to view the entire picture. Recommended for HDMI and RGB / Computer viewing so you can see the complete picture without the image overstretching beyond the viewing area. If you experience “noise” along the border switch to Zoom 1. For 720p, 1080i, 1080p only.

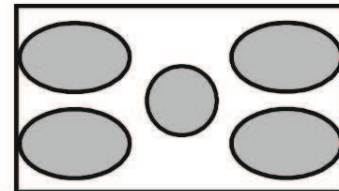
Stretch Mode

When watching a widescreen program (1.78:1 source) with black bars on the sides, the display image will stretch to fill the TV screen. People will appear wider than they really are. If you are watching a widescreen (1.85:1 or 2.35:1 source) program or movie, there will still be black bars at the top and bottom. This mode is available only when watching a widescreen program.



Panoramic Mode

When watching a standard broadcast or full frame movie in this mode, the 4:3 Aspect Ratio (1.33:1 source) display image is stretched horizontally on the left and right sides to fill the TV screen. The center of the image is not stretched.



CC (Closed Caption)

To select the options in the CC sub-menu, press the **OK** button or the right navigation button. A new menu will be displayed showing the following CC settings:

Analog Closed Caption

The CC feature is available when watching regular analog (NTSC) TV. Select from CC1, CC2, CC3, CC4, or Off. Closed Caption for regular TV is usually CC1 or CC2.

Digital Closed Caption

The CC feature is available when watching digital TV. Select from CC1, CC2, CC3, CC4, or CS1, CS2, CS3, CS4, CS5, CS6, or Off.

Digital CC Style

The Digital CC Style feature is available when watching digital TV.

Select either As Broadcaster or Custom. If Custom is selected then you can customize the way Closed Caption is displayed. The options available are:

- **Caption Style** (custom or as broadcast).

Note: the following options will only be available if Caption Style is set to Custom.

- **Text Size** (letter size)
- **Color** (text color)
- **Opacity** (color of the background where Closed Caption is displayed)
- **Background Color** (color of the background where Closed Caption is displayed)
- **Background Opacity** (sets the transparency of the background)
- **Window Color** (color of the area where characters are displayed)
- **Window Opacity** (transparency of the area where characters are displayed)

Sleep Timer Menu

Select the timer to turn off the TV in 30, 60, 90, 120 or 180 minutes.



TV Settings Menu

When you first turned on your HDTV you set up your TV for DTV / TV channels using the Initial Setup screens. If you did not do this or if your setup has changed, you can do this from the TV menu.

Input Source

Select the Input Source for your HDTV. Choose from **TV**, **AV**, **Comp**, **HDMI-1**, **HDMI-2**, **VGA**, and **Photos**.

Picture

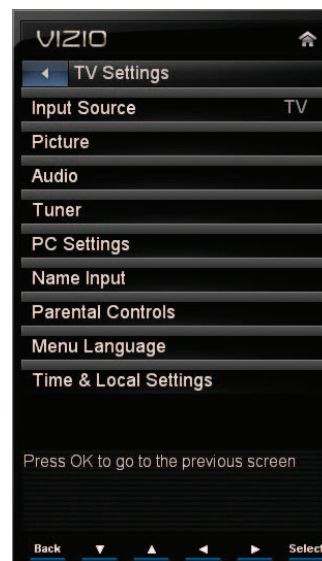
The **Picture** menu allows you to adjust the same settings as the *Picture Settings* menu option on the main menu. See *Picture Settings Menu* below for a detailed explanation of each setting.

Audio

The **Audio** menu allows you to adjust the same settings as the *Audio Settings* menu option on the main menu. See *Audio Settings Menu* below for a detailed explanation of each setting.

Tuner

Note: The tuner option can only be selected when your HDTV is in TV input mode.



Tuner Mode

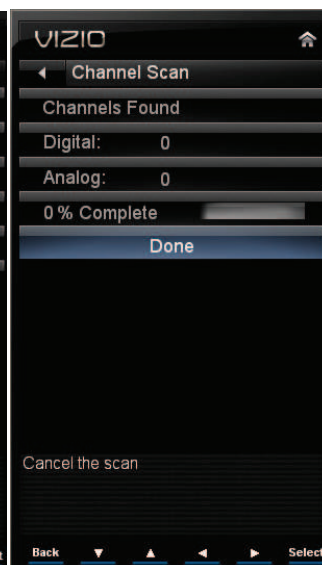
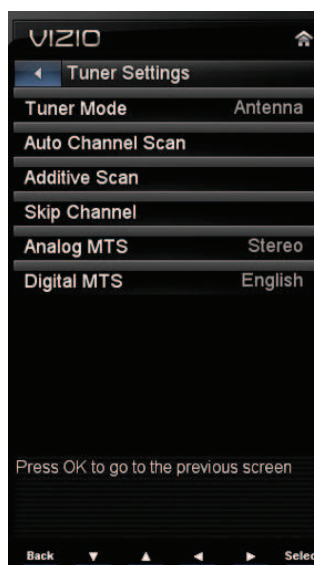
Select Cable or Antenna depending upon which you have attached to the DTV / TV Input.

Auto Channel Search

Automatically search for TV channels that are available in your area. Be sure to first select the correct tuner mode above. The TV will search for analog and digital channels. When the search is done, press **OK** to begin watching your programs.

Additive Scan

Only new Channels are added to the channel lineup when scanning for channels.



Skip Channel

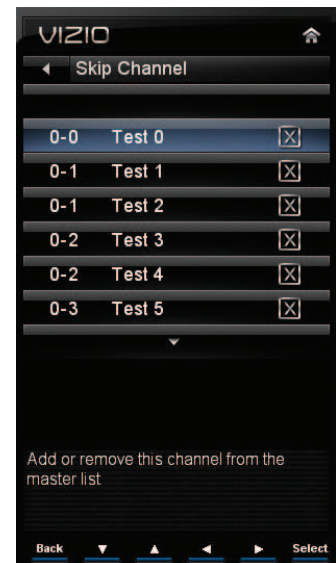
After the TV has stored all of the available digital channels in memory you will find that some channels are too weak to watch comfortably or they may be channels you do not want to see. Press **OK** to select the channel to be skipped when using the CH▲ or CH▼ buttons. An X will appear in channels you have selected to skip. You will still be able to select this channel using the number buttons on the remote control.

Analog MTS

This feature allows you to select the different languages the broadcaster is transmitting the audio with the program you are watching. This signal is usually Spanish. Choose from **Mono**, **Stereo**, or **SAP**.

Digital MTS

This feature allows you to select the different languages the broadcaster is transmitting the audio with the program you are watching. This signal is usually Spanish. Choose from **English**, **French**, or **Spanish**.



PC Settings

Select if you are connecting to your PC (computer). This option can only be selected when you are in the VGA input mode.

Auto Adjust

The TV will automatically position and tune the display for optimum performance.

Horiz. Position

Adjust the horizontal (left/right) position of the image.

Vertical Position

Adjust the vertical (up/down) position of the image.

Fine Tune

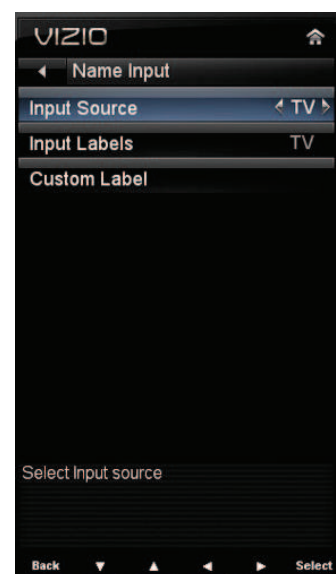
Fine tunes the image for crisp content over the entire display area.

Name Input

This feature makes it easier for you to recognize the devices you have connected to your HDTV when you press **INPUT**. For example, if you have a Blu-Ray DVD player connected to the HDMI-1 input, you can have the input label read *HDMI-1 BluRay* instead of just *HDMI-1*. You can select from 10 preset labels or you can make your own custom label that is up to 24 characters long and contains letters, numbers, and/or symbols.

To use one of the 10 preset labels:

1. Select *Input Source*, and then press **OK** to show the list of inputs.
2. Press down navigation button to select the input label you want to change, and then press **OK**.
3. Press down navigation button to select *Input Labels*, and then press **OK** to show the list of 10 preset labels.
4. Press down navigation button to select the new input label name, and then press **OK**.



To make your own custom label:

1. Select *Input Source*, and then press **OK** to show the list of inputs.
2. Press down navigation button to select the input label you want to change, and then press **OK**.
3. Press down navigation button to select *Custom Label* and then press **OK**.
4. Use the on-screen keyboard and begin typing in a new label name.
5. Press down navigation button to select **OK** when you have finished changing the names of the input labels.

Now when you press **INPUT**, you will see the new name you assigned.

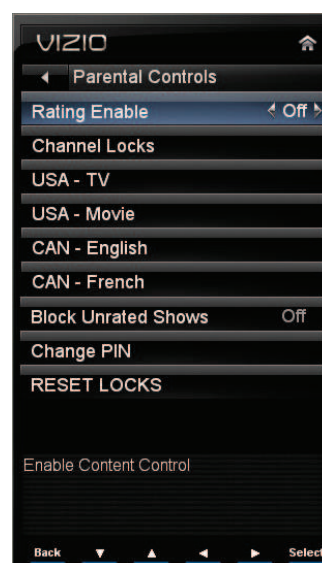
Parental Controls

If you want to restrict certain channel and program viewing, you can do this by turning on the Parental Control. Selected programs, movies and channels can then be made available only after an authorized password has been entered and accepted by the TV.

To select the options in the Parental sub-menu, press **OK** and then create and/or enter a password.

Note: The Parental menu does not appear when the input mode is set to HDMI or VGA.

A new menu will be displayed showing the following Parental settings:



Rating Enable

Select from **ON** or **OFF**. If set to **OFF**, you will not be able to set the US TV, US Movie, Canadian English, or Canadian French Ratings.

Channel Locks

Block individual channels from being displayed.

USA-TV

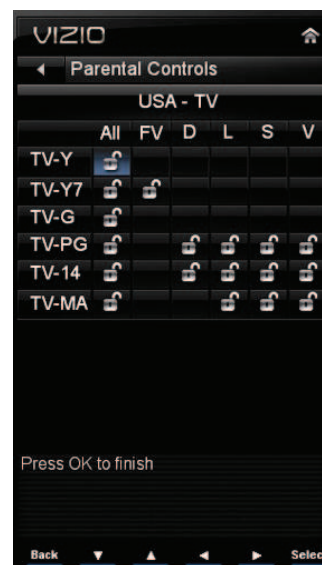
Note: When Rating Enable is **OFF**, the USA-TV Rating adjustments are not available.

Press **OK** to block (locked) or allow (unlocked) channels by the following US TV ratings:

- TV-Y – All children
- TV-Y7 – Older children
- TV-G – General audience
- TV-PG – Guidance suggested
- TV-14 – Strongly cautioned
- TV-MA – Mature audience

You can also customize the TV ratings for the following content:

- A – All sub-ratings
- FV – Fantasy violence
- D – Sexual dialog
- L – Adult language
- S – Sexual situations
- V - Violence

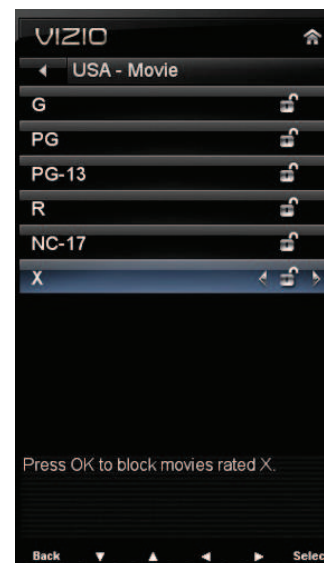


USA-Movie

Note: When Rating Enable is **OFF**, USA-Movie Rating adjustments are not available.

Press the **OK** button to block (locked) or allow (unlocked) channels by the following US Movie ratings:

- G – General audience
- PG – Parental guidance suggested
- PG-13 – Recommended for children 13 years of age or older
- R – Mature audience
- NC-17 – No one under 17 years of age
- X – No one under 17 years of age

**CAN-English**

Note: When Rating Enable is **OFF**, Canadian English Rating adjustments are not available.

Press the **OK** button to block (locked) or allow (unlocked) channels by the following Canadian English ratings:

- C – Children
- C8+ – Children 8 years or older
- G – General Programming, suitable for all audiences
- PG – Parental guidance
- 14+ – Viewers 14 years or older
- 18+ – Adult programming

CAN-French

Note: When Rating Enable is **OFF**, Canadian French Rating adjustments are not available.

Press the **OK** button to block (locked) or allow (unlocked) channels by the following Canadian French ratings:

- G – General audience
- 8 ans+ – General – not recommended for young children
- 13 ans+ – Not suitable for children under 13 years of age
- 16 ans+ – Not suitable for under 16 years of age
- 18 ans+ – Adults only

Block Unrated TV

Block programming that does not have a rating.

Change the PIN (Password)

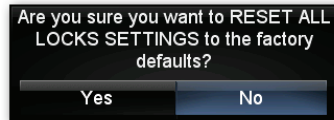
Enter a new, 4-digit password using the number buttons on the remote control. Enter it a second time to confirm you entered it correctly.

Note: Make sure you write down and store the new password in a secure place. The *Reset Locks* feature does NOT reset the password.



RESET LOCKS

Return all Parental Control lock settings to factory default. A screen will come up to confirm your selection or to cancel it. Press Left or Right Navigation buttons to make the selection, and then press **OK** to accept it.



Menu Languages

Select to change the language of the menu. The default is **English**. You can also select **French** or **Spanish**.

Time & Local Settings

Time Zone

Setting the correct Time Zone for your area will ensure that the correct time is shown after pressing the **INFO** button on the remote control.

Daylight Saving

Setting the daylight saving time for your area will ensure that the correct time is shown after pressing the **INFO** button on the remote control.

Today's Date

Manually set the date when *Auto Update* is set to **OFF**.

Current Time

Manually set the time when *Auto Update* is set to **OFF**.

Auto Update

When set to **ON**, the date and time are automatically set by the TV system. When set to **OFF**, you can manually adjust *Today's Date* and *Current Time*.



Audio Settings Menu

Audio Mode

Choose from **Flat**, **Rock**, **Pop**, **Classic** or **Jazz**.

Note: The Audio Mode adjustment will only be available when SRS TruSurround HD is set to **Off**.

Balance

Adjust the sound to the left or the right.

TV Speakers

Turn the internal speakers **On** or **Off**. You may want to turn the internal speakers off when listening to the audio through your Home Theater System.

Optical Audio Out

This option allows selection of the type of processing for the SPDIF (Optical connector) when used with a Home Theater system. Select to choose from **Auto** or **Force PCM**. **Auto** passes Dolby Digital (if broadcast) or PCM. If your Home Theatre supports only PCM, use **Force PCM** and the TV will pass all Optical Output in the PCM format.

Advanced Audio

SRS TruSurround HD™

This option sets the SRS TruSurround HD surround sound process. Choose from **On** or **Off**.

Note: When SRS TruSurround HD is ON, Equalizer adjustments are not available.

SRS TruSurround HD™ creates an immersive, feature-rich surround sound experience from two speakers, complete with rich bass, high frequency detail and clear dialog.

SRS TruVolume

When the programming switches to a commercial or when changing from channel to channel, volume fluctuations occur.

When turned ON, SRS TruVolume™ provides the listener with a comfortable and consistent volume level. VIZIO recommends turning TruVolume off when listening to music content.

Equalizer

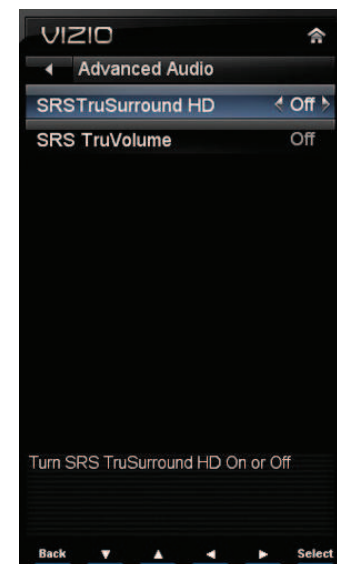
Choose **Flat**, **Rock**, **Pop**, **Classical**, or **Jazz**. You can also adjust **Bass** and **Treble**.

Note: The Equalizer adjustment will only be available when SRS TruSurround HD is set to **Off**.

Reset Audio Mode

Return all Audio settings to factory default. A screen will come up to confirm your selection or to cancel it. Press Left or Right Navigation buttons to make the selection, and then press **OK** to accept it.

Note: Only settings under the Audio menu will be reset.



Picture Settings Menu

Ambient Light Sensor

Choose **On** or **Off**. When set to **On**, your HDTV will automatically adjust to light changes in the room.

Picture Mode

Choose from **Standard**, **Movie**, **Game**, **Vivid**, or **Custom**. Each input (i.e. HDMI, COMP, etc) remembers the custom setting you created. Select **Custom** to manually adjust *Backlight*, *Brightness*, *Contrast*, *Color*, *Tint*, *Sharpness*, and to access the *More* menu where further adjustments can be made.

Backlight

Adjust the LED brightness to affect the overall brilliance of the picture not the Brightness (black level) or Contrast (white level) of the picture.

Note: Backlight is only available when *Picture Mode* is set to **Custom**.

Brightness

Adjust black levels in the picture. If the brightness is too low you will not be able to see the detail in darker parts of the picture and if the brightness is too high the picture will look washed out.

Note: Brightness is only available when *Picture Mode* is set to **Custom**.

Contrast

Adjust the white levels in the picture. If the contrast is too low the picture will look washed out and if the contrast is too high you will not be able to see any detail in the bright parts of a picture.

Note: Contrast is only available when *Picture Mode* is set to **Custom**.

Color

Adjust the amount of color in the picture.

Note: Color is only available when *Picture Mode* is set to **Custom**.

Tint

Adjust the hue of the picture. The easiest way to set tint is to look at flesh tones and adjust for a realistic appearance. In most cases, the default middle position is correct. If people's faces look too orange try reducing the level of color first.

Note: Tint is only available when *Picture Mode* is set to **Custom**.

Sharpness

Adjust the sharpness of the edges of elements in the picture. It does not produce detail that otherwise does not exist. This adjustment is helpful when viewing Standard Definition sources.

Note: Sharpness is only available when *Picture Mode* is set to **Custom**.

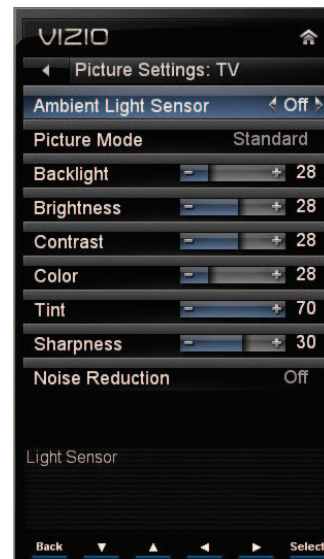
Noise Reduction

This feature diminishes picture artifacts caused by the digitizing of image motion content that may be present in the picture. Choose from **Off**, **Low**, **Medium**, or **High**.

More

Select **More** to adjust advanced options for fine tuning the picture.

Note: The *More* menu is only available when *Picture Mode* is set to **Custom**.



Color Temperature

Color Temperature is the “warmness” or “coolness” of the white areas of the picture. Choose from **Custom**, **Cool**, **Normal**, or **PC**. **Normal** is the setting for television broadcasting. **Custom** allows you to set a preset calibrated for a white point to suit individual preferences. **Cool** produces a blue-hued image. **PC** sets the white point at the established setting for a computer display (9300K). Each preset may also be adjusted for a customized setting.

Color Enhancement

This feature increases the picture reproduction performance of the picture by reducing oversaturation of certain colors and improving flesh tones. Choose from **Off** or **On**.

Adaptive Luma

Large areas of brightness in the picture will result in a higher Average Picture Level (APL) and the overall picture will look too light. This feature will lower the APL to counteract this effect. Choose from **Off** or **On**.

DCR

Set this feature for Dynamic Contrast Ratio to improve the black level performance and increase contrast ratio. Choose from **Off** or **On**.

Reset Picture Mode

Return all Picture settings to factory default. A screen will come up to confirm your selection or to cancel it. Press either Left or Right Navigation buttons to make the selection, and then press **OK** to accept it.

Note: Only settings under the Picture Settings menu will be reset.

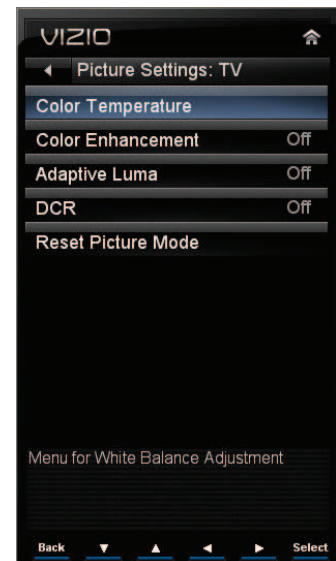
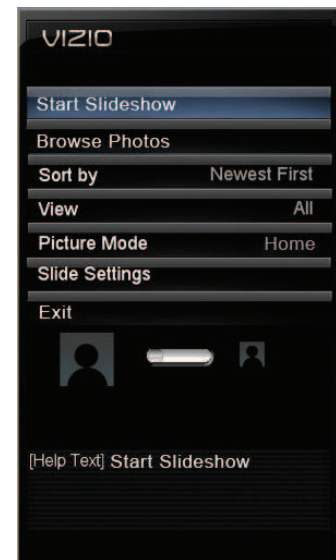


Photo Menu

Start Slideshow

Press **OK** to begin slideshow and play the selected group of photos.

- Press Left or Right Navigation buttons to manually go to the next or previous picture.
- Press **OK** to open the *Modify Photo* menu. There you can zoom in and out, pan the photo left/right/up/down, rotate the photo, see information about the photo, or remove it from the slideshow. When a photo is removed from the slideshow the “No” symbol appears on the picture.
- Press **■** to stop the slideshow. The *Photo menu* opens.



Browse Photos

Browse photos in a selected group or folder.

- Press Up or Down Navigation buttons to highlight an option and then press **OK** to select it. In some cases, a sub-menu will be displayed.
- Select a picture and then press **OK**. You can make the photo go full screen, rotate the photo, see information about the photo, or remove it from the slideshow. When a photo is removed from the slideshow the “No” symbol appears on the picture.
- Press **LAST** to go back to a previous screen.

Sort By

Choose how you want your photos organized. Choose from **Original**, **Title A-Z**, **Title Z-A**, **Oldest First**, and **Newest First**.

View

View individual folders and their contents or *ALL*. If you select **Folders**, scroll back up the list to *Browse Photos* to browse and select a specific folder to view the contents of the folders.

Picture Mode

Choose from **Home**, **Movie**, **Game**, or **Custom** to vary the screen color/lighting when viewing your photos.

Slide Settings

Choose **Repeat** (On or Off), **Shuffle** (On or Off), **Full Screen** (On or Off), or **Speed** (Slow or Fast)

Exit

Exit the Photo menu.

Slide Size



Set the size of the thumbnails. Press Left or Right Navigation buttons to choose either large or small.

Help Menu

System Info

Display information about your TV, such as signal format and current software version.

Reset All Settings

Return all Picture and Audio settings to factory default. A screen will come up to confirm your selection or to cancel it. Press Left or Right Navigation buttons to make the selection, and then press **OK** to accept it.

Setup Wizard

Use this function to return to the Initial Setup menu. Please refer to the *Getting Started* section for more information.

Note: Previously scanned channels will be removed.



Chapter 9 Maintenance and Troubleshooting

Cleaning the TV and Remote Control

1. Remove the power adapter cable from the TV.
2. Use a soft cloth moistened with diluted neutral cleaner to clean the TV and remote control. VIZIO recommends using an HDTV cleaning solution which can be purchased at any major retailer.
3. Wring liquid out of the cloth before cleaning to prevent water from penetrating into the housing.
4. Wipe the TV and remote control with a dry cloth after cleaning.

Important:

- Do not use volatile solvent (such as toluene, rosin and alcohol). Such chemicals may damage the housing, screen glass, and remote control, and cause labeling to peel.
- The screen glass is very fragile. Do not scrape it with any sharp object.
- Do not press or tap the screen to avoid cracking.



Troubleshooting Guide

If the TV fails or the performance changes dramatically, check the display in accordance with the following instructions. Remember to check the peripherals to pinpoint the source of the failure. If the display still fails to perform as expected, contact the VIZIO for assistance by calling 1-877-MYVIZIO (698-4946) or e-mail us at techsupport@VIZIO.com.

General TV Problems	Solution
Receive the error message "No Signal."	<ul style="list-style-type: none"> • Press the INPUT button on the remote control to select a different input source. • If you are using cable connected directly to the TV or an antenna, scan for channels from the Tuner menu in the on-screen menu.
No power.	<ul style="list-style-type: none"> • Make sure the power button is ON (VIZIO logo glows white). • Make sure AC/DC power adapter is securely connected to the AC socket. • Plug another electrical device to the power outlet to verify that the outlet is working.
No sound.	<ul style="list-style-type: none"> • Press Volume + (Up) on the remote control. • Press MUTE on the remote control to make sure that MUTE is not ON. • Check your audio settings. The audio may be set to SAP, or the speakers are set to off. • Make sure that headphones are not connected. • Check the audio connections of external devices that may be connected to your HDTV. • If you are using an antenna, the signal strength of the channel may be low. Make sure your antenna is connected securely to the TV and move the antenna around the room or close to a window.
If the screen is black.	<ul style="list-style-type: none"> • Make sure the power button is ON (VIZIO Logo glows white). • Press the INPUT button on the remote control to select a different input source. • Check the connections of external devices that may be connected to your HDTV.
Power is ON but there is no image on the screen.	<ul style="list-style-type: none"> • Make sure all cables attached to your HDTV are connected to the correct output on the external device. • Adjust brightness, contrast or backlight. • Press the INPUT button on the remote control to select a different input source.
Wrong or abnormal colors appear.	<ul style="list-style-type: none"> • Check Color and Tint settings in Picture Menu. • Reset Picture settings. • Check the video cables to make sure they are securely connected. • If you are using an antenna, the signal strength of the channel may be low. Make sure your antenna is connected securely to the TV and move the antenna around the room or close to a window.
Control buttons do not work.	<ul style="list-style-type: none"> • Press only one button at a time.
Remote control does not work.	<ul style="list-style-type: none"> • Point the remote control directly at the remote sensor on your TV. • Remove any obstacles between the remote control and the remote sensor. • Replace dead batteries with new ones. • Make sure you have selected TV mode on the remote control.
There appear to be image quality issues.	<ul style="list-style-type: none"> • If you are using an antenna, the signal strength of the channel may be low. Make sure your antenna is connected securely to the TV and move the antenna around the room or close to a window. • For best image quality, view HD wide-screen programs where possible.



General TV Problems	Solution
	<ul style="list-style-type: none"> If HD content is not available view "Standard Definition" from a digital source. Standard, analog TV will always be noticeably inferior to HD because your digital flat panel TV has video that is many times better than old TV so you will see interference and deficiencies you did not know you had.
<p>You cannot see a picture.</p>	<ul style="list-style-type: none"> Make sure the power button is ON (VIZIO logo glows white). Make sure AC/DC power adapter is securely connected to the AC socket. Press the INPUT button on the remote control to select a different input source. Check the connections of external devices that may be connected to your HDTV. If your HDTV is connected to a computer, press any button on your keyboard to "wake" your computer. If you are using an antenna, the signal strength of the channel may be low. Make sure your antenna is connected securely to the TV and move the antenna around the room or close to a window.
<p>You see a distorted picture or hear unusual sound.</p>	<ul style="list-style-type: none"> You may be getting interference from electrical appliances, cars, motorcycles, or fluorescent lights. If you have not mounted it on the wall, try moving your HDTV to another location to see if this is the cause of the problem.
<p>The picture has abnormal patterns.</p>	<ul style="list-style-type: none"> Check the connections of external devices that may be connected to your HDTV. Make sure the specifications of external devices meet the specifications of your HDTV (i.e. resolution). If you are using an antenna, the signal strength of the channel may be low. Make sure your antenna is connected securely to the TV and move the antenna around the room or close to a window.
<p>The display image does not cover the entire screen.</p>	<ul style="list-style-type: none"> If you are in RGB mode (Computer), make sure that H-Size and V-Position in the on-screen menu are set correctly. If you are using TV, AV1, AV2 or Component with 480i input, press WIDE button on the remote control to scroll through various screen modes.
<p>You can see a picture but you cannot hear sound.</p>	<ul style="list-style-type: none"> Press Volume + (Up) on the remote control. Press MUTE on the remote control to make sure that MUTE is not ON. Check your audio settings. The audio may be set to SAP, or the speakers are set to off. Make sure that headphones are not connected. Check the audio connections of external devices that may be connected to your HDTV.
<p>The TV has pixels (dots) that are always dark or colored.</p>	<ul style="list-style-type: none"> Your HDTV is manufactured using an extremely high level of precision technology, however, sometimes some pixels of your HDTV may not display. Pixel defects within industry specifications are inherent to this type of product and do not constitute a defective product.
<p>You see "noise" or "trash" on the screen.</p>	<ul style="list-style-type: none"> When your HDTV's digital capabilities exceed a digital broadcast signal, the signal is up-converted (increased) to match your TV's display capabilities. Up-converting can cause noise or trash. If you are using an antenna, the signal strength of the channel may be low. Make sure your antenna is connected securely to the TV and move the antenna around the room or close to a window.
<p>You switch to a different input and the volume changes.</p>	<ul style="list-style-type: none"> The TV remembers the volume level from the last time you adjusted it. If the sound level is higher or lower from another source, then the volume will change.
<p>You switch to a different input and the screen size changes.</p>	<ul style="list-style-type: none"> The TV remembers the viewing mode from the last time you used a particular



General TV Problems	Solution
	input (AV-1, AV-2, Component, HDMI and TV).
Tips for High-Definition Users.	<ul style="list-style-type: none"> • Your HDTV is an ideal platform for viewing High Definition Content. • Best image quality will be achieved by HDMI. The next best is Component, followed by Composite. • Due to variances in broadcast practices, it is possible some image distortions can occur.
Tips for Letterbox Content Users.	<ul style="list-style-type: none"> • Some Letterboxed (or "Widescreen") versions of DVD movies are formatted for standard 4:3 Televisions. Your HDTV has the ability to expand this content so the entire screen is filled at the expense of image accuracy.

Media Viewer Problems	Solution
USB device is not recognized.	<ul style="list-style-type: none"> • Make sure the device is correctly inserted. • Make sure the device is FAT or FAT32 • Make sure it contains the supported files. • Make sure files are .jpg or .jpeg only.
Image is interrupted or distorted.	<ul style="list-style-type: none"> • Make sure the device is correctly inserted. • Make sure that the file complies with the supported format, bit rate and/or profile. Also check the file for damage. • Some files that comply with the supported format may not play back or display properly.
Slideshow doesn't start.	<ul style="list-style-type: none"> • Make sure the viewer isn't in pause, rotation, or zoom mode.

Telephone & Technical Support

Products are often returned due to a technical problem rather than a defective product that may result in unnecessary shipping charges billed to you. Our trained support personnel can often resolve the problem over the phone. For more information on warranty service or repair, after the warranty period, please contact our Support Department at the number below.

Customer support and quality service are integral parts of VIZIO's commitment to service excellence. For technical assistance contact our VIZIO Technical Support Department via email or phone.

Email: techsupport@VIZIO.com

(877) 698-4946 Fax: (949) 585-9563

Hours of operation: Monday - Friday: 6 am to 9 pm

Saturday – Sunday: 8 am to 4 pm

Please have your VIZIO model number, serial number, and date of purchase available before you call.

VIZIO

Address:

39 Tesla

Irvine, CA 92618, USA

Telephone: (888) 849-4623 (949) 428-2525 Fax: (949) 585-9514

Web: www.VIZIO.com



Compliance

Caution: Always use a power cable that is properly grounded. Please use the AC cords listed below for each area.

USA: UL

Canada: CSA

Germany: VDE

UK: BASE/BS

Japan: Electric Appliance Control Act

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.

Notice:

1. The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
2. Shielded interface cables and AC AC/DC power adapter, 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.



Chapter 10 Specifications

Product specifications may change without notice or obligation.

VM190XVT	Specifications								
Panel	18.5" Diagonal, 16:9 Aspect Ratio								
Resolution	1360 x 768 pixels								
Pixel (Dot) Pitch	0.300mm(H) x 0.300mm(V)								
Display Compatibility	HDTV (720p)								
Colors	16.7 Million								
Brightness cd/m ² (typical)	300nits								
Dynamic Contrast Ratio	20,000:1								
Response Time	5ms (typical)								
Viewing Angle	170° x 160° (horizontal/vertical)								
Inputs	<table border="0"> <tr> <td>1x RF</td> <td>1x Component and stereo audio</td> </tr> <tr> <td>1x Composite Video and stereo audio</td> <td>2x HDMI</td> </tr> <tr> <td>1x S-Video</td> <td>1x RGB</td> </tr> <tr> <td></td> <td>1x USB Port (photo/service)</td> </tr> </table>	1x RF	1x Component and stereo audio	1x Composite Video and stereo audio	2x HDMI	1x S-Video	1x RGB		1x USB Port (photo/service)
1x RF	1x Component and stereo audio								
1x Composite Video and stereo audio	2x HDMI								
1x S-Video	1x RGB								
	1x USB Port (photo/service)								
Outputs	1x SPDIF Optical Digital Audio, 1x headphone								
Features	Noise Reduction, CC, V-Chip 2.0. Supports 1080i (HDTV), 720P (HDTV), 480P (EDTV) and 480i (SDTV) video signals. HDMI V.1.3. USB supports Digital images (JPEG) photo files. Supports 640x480, 800x600, 1024x768, 1360x768 via RGB or 1920x1080 via HDMI. 3-D comb filter, 3:2 or 2:2 reverse pull-down, ATSC with 8VSB & QAM demodulation, ATSC with MPEG-2 decoding, NTSC video decoding via Video (AV, S-Video, or Component). Progressive Scan Video via HDMI™, Component or RGB. Built in speakers x 2. Dolby Digital Decoding, SRS TruSurround HD and SRS TruVolume sound enhancement.								
Speakers	2xBuilt-in, 5W Speakers								
Panel Life	30,000 hours to half the original brightness								
Power									
Input	IEC Connector for direct power line connection								
Voltage Range	100~240Vac at 50/60Hz								
Power Consumption	23W (AVG), <1W standby								
Environmental Conditions									
Operating	Temperature: 5°C~35°C, Relative Humidity: 20~80%, Altitude: 0~12,000 ft								
Non-Operating	Temperature: -20°C~60°C, Relative Humidity: 5~90%, Altitude: 0~40,000 ft								
Dimensions	18.93"W x 13.81"H x 6.97"D with stand; 18.93"W x 12.44"H x 1.65"D w/o stand								
Net Weight	8.10 lbs without stand, 8.67 lbs with stand								
Gross Weight	12.84 lbs								
Certifications	Energy Star 3.0, CSA, CSA-US, FCC Class B								
Compliances	EIA/CEA-766-A								



VM230XVT Specifications	
Panel	23." Diagonal, 16:9 Aspect Ratio
Resolution	1920 x 1080 pixels
Pixel (Dot) Pitch	0.265mm(H) x 0.265mm(V)
Display Compatibility	FHDTV (1080p)
Colors	16.7 Million
Brightness cd/m ² (typical)	300nits
Dynamic Contrast Ratio	20,000:1
Response Time	5ms (typical)
Viewing Angle	160° x 150° (horizontal/vertical)
Inputs	1x RF 1x Composite Video and stereo audio 1x S-Video 1x Component and stereo audio 2x HDMI 1x RGB 1x USB Port (photo/service)
Outputs	1x SPDIF Optical Digital Audio, 1x headphone
Features	Full HD, Noise Reduction, CC, V-Chip 2.0. Supports 1080P (Full HDTV), 1080i (HDTV), 720P (HDTV), 480P (EDTV) and 480i (SDTV) video signals. 1080P FHDTV, HDMI V.1.3. USB supports Digital images (JPEG) photo files. Supports 640x480, 800x600, 1024x768, 1360x768 via RGB or 1920x1080 via HDMI. 3-D comb filter, 3:2 or 2:2 reverse pull-down, ATSC with 8VSB & QAM demodulation, ATSC with MPEG-2 decoding, NTSC video decoding via Video (AV, S-Video, or Component). Progressive Scan Video via HDMI ^{TM**} , Component or RGB. Built in speakers x 2. Dolby Digital Decoding, SRS TruSurround HD and SRS TruVolume sound enhancement.
Speakers	2xBuilt-in, 5W Speakers
Panel Life	30,000 hours to half the original brightness
Power	
Input	IEC Connector for direct power line connection
Voltage Range	100~240Vac at 50/60Hz
Power Consumption	30W (AVG), <1W standby
Environmental Conditions	
Operating	Temperature: 5°C~35°C, Relative Humidity: 20~80%, Altitude: 0~12,000 ft
Non-Operating	Temperature: -20°C~60°C, Relative Humidity: 5~90%, Altitude: 0~40,000 ft
Dimensions	22.84"W x 16.01" H x 7.85" D with stand; 22.84" W x 14.64"H x 1.65" D without stand
Net Weight	9.89 lbs without stand, 10.78 lbs with stand
Gross Weight	15.90 lbs
Certifications	Energy Star 3.0, CSA, CSA-US, FCC Class B
Compliances	EIA/CEA-766-A



Preset PC Resolutions

VM190 Preset PC Resolutions

If connecting to a PC through the RGB PC input, set the TV timing mode to VESA 1360x768 at 60Hz for better picture quality (refer to the graphic card's user guide for questions on how to set this timing mode). See the table below for the factory preset resolutions.

Preset	Pixel Format	Horz Freq (kHz)	Horz Polarity	Vert Freq (Hz)	Vert Polarity	Pixel Clk (MHz)
1	640 x 480@60Hz	31.469	-	59.94	-	25.175
2	640 x 480@72Hz	37.861	-	72.809	-	31.5
3	640 x 480@75Hz	37.5	-	75	-	31.5
4	800 x 600@56Hz	35.156	+	56.25	+	36
5	800 x 600@60Hz	37.897	+	60.317	+	40
6	800 x 600@72Hz	48.077	+	72.188	+	50
7	800 x 600@75Hz	46.875	+	75	+	49.5
8	1024 x 768@60Hz	48.363	-	60.004	-	65
9	1024 x 768@70Hz	56.476	-	70.069	-	75
10	1024 x 768@75Hz	60.023	-	75.026	-	78.75
11	1152 x 864@75Hz	67.5	+	75	+	108
12	1280 x 1024@60Hz	63.981	+	60.02	+	108
13	1280 x 1024@75Hz	79.976	+	75.025	+	135
14	1360 x 768@60Hz	47.72	+	59.799	+	84.75



VM230 Preset PC Resolutions

If connecting to a PC through the RGB PC input, set the TV timing mode to VESA 1920x1080 at 60Hz for better picture quality (refer to the graphic card's user guide for questions on how to set this timing mode). See the table below for the factory preset resolutions.

Preset	Pixel Format	Horz Freq (kHz)	Horz Polarity	Vert Freq (Hz)	Vert Polarity	Pixel Clk (MHz)
1	640 x 480@60Hz	31.469	-	59.94	-	25.175
2	640 x 480@72Hz	37.861	-	72.809	-	31.5
3	640 x 480@75Hz	37.5	-	75	-	31.5
4	800 x 600@56Hz	35.156	+	56.25	+	36
5	800 x 600@60Hz	37.897	+	60.317	+	40
6	800 x 600@72Hz	48.077	+	72.188	+	50
7	800 x 600@75Hz	46.875	+	75	+	49.5
8	1024 x 768@60Hz	48.363	-	60.004	-	65
9	1024 x 768@70Hz	56.476	-	70.069	-	75
10	1024 x 768@75Hz	60.023	-	75.026	-	78.75
11	1152 x 864@75Hz	67.5	+	75	+	108
12	1280 x 1024@60Hz	63.981	+	60.02	+	108
13	1280 x 1024@75Hz	79.976	+	75.025	+	135
14	1360 x 768@60Hz	47.72	+	59.799	+	84.75
15	1440x900R@60Hz	55.469	+	59.901	-	88.75
16	1440 x 900@60Hz	55.935	-	59.887	+	106.5
17	1440 x 900@75Hz	70.635	-	74.984	+	136.75
18	1600 x 1200@60Hz	75	+	60	+	162
19	1680x1050R@60Hz	64.674	+	59.883	-	119
20	1680 x 1050@60Hz	65.29	-	59.954	+	146.25
21	1920 x 1080R@60Hz	66.587	+	59.934	+	138.5



Limited Product Warranty

VIZIO provides a “ONE-YEAR LIMITED WARRANTY” against manufacturing defects in materials and workmanship to the original purchaser of a new VIZIO display purchased from an authorized VIZIO U.S. reseller and used in the fifty (50) United States or Puerto Rico.

VIZIO's Responsibility

VIZIO displays purchased new from an authorized VIZIO U.S. reseller and that are used in the fifty (50) United States or Puerto Rico are warranted to be free from manufacturing defects in materials and workmanship for one (1) year from the date of the original retail purchase. If the display fails to conform to this limited warranty, VIZIO will, at its option and sole discretion, repair or replace the display.

Labor

During the one-year limited warranty period, VIZIO will provide, when needed, service labor to repair a manufacturing defect. Repairs required on displays which are thirty (30) inches and larger generally will be made “on-site” where the display is installed. The determination for performing the on-site repair is dependent upon the manufacturing defect and is at VIZIO's option and sole discretion. Repairs required on displays which are less than thirty (30) inches generally will be performed at a VIZIO service center.

Parts

Repairs may be made with new or recertified parts, or the entire unit may be replaced with a new or recertified unit, at VIZIO's option and sole discretion. Replacement parts or replacement units provided under this limited warranty are warranted for the remaining portion of the original warranty period, or for ninety (90) days from warranty service or replacement, whichever is later.

How to Obtain Warranty Service

To obtain warranty service, contact VIZIO Technical Support via email at TechSupport@VIZIO.com, via phone at 877-MYVIZIO (877-698-4946), or via postal mail at VIZIO Technical Support, 39 Tesla, Irvine, CA 92618. You must provide the model, serial number, and date of purchase. VIZIO Technical Support is available from 6:00AM to 9:00PM Pacific Time, Monday through Friday, and 10:00AM to 2:00PM Pacific Time, Saturday and Sunday. Please note that holiday hours may vary. For up to date information, please visit www.VIZIO.com.

VIZIO reserves the right to assess all warranty claims and to determine if defects or damages are covered by this limited warranty. In case of a claim that is not covered by this warranty, you will be contacted to determine whether VIZIO should repair the damage for a fee or whether the product should be returned to you as received by the service technician or service center.

Parts and service labor that are VIZIO's responsibility under this limited warranty will be provided without charge. All other service is at the customer's expense. VIZIO reserves the right to charge the customer for any service call for anything not covered by this limited warranty. Before you ask for warranty service, please review your User Manual. You may avoid a service call and a service charge.

Please refer to the reverse side of this page for additional information regarding how to obtain warranty service.

PLEASE DO NOT RETURN YOUR UNIT TO VIZIO WITHOUT PRIOR AUTHORIZATION.

Not Covered

This limited warranty does not cover the following: cosmetic defects; damage, malfunctions or failures resulting from shipping or transit, improper or faulty installation, abuse, operation contrary to furnished instructions, operation on incorrect power supplies, products not supplied by VIZIO, modification, alteration, improper servicing or tampering; damage from fire, water, lightning, power surges, abnormal environmental conditions or other acts of nature; normal wear and tear; unsatisfactory visual or audio performance not caused by a manufacturing defect; or displays with a missing or unreadable serial number. Operation of the display for commercial purposes or in applications or uses for which the display is not intended is not covered by this limited warranty. "Image Sticking", caused by static images on the screen for extended periods and or excessive brightness and contrast levels, is not covered by this



limited warranty. Installation, removal, transportation and reinstallation of a display, and routine maintenance and cleaning, are not covered by this limited warranty.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE LISTED OR DESCRIBED ABOVE. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED IN DURATION TO THE PERIOD OF TIME SET FORTH ABOVE. VIZIO'S TOTAL LIABILITY FOR ANY AND ALL LOSSES AND DAMAGES RESULTING FROM ANY CAUSE WHATSOEVER, INCLUDING VIZIO'S NEGLIGENCE, ALLEGED DAMAGE, OR DEFECTIVE GOODS, WHETHER SUCH DEFECTS ARE DISCOVERABLE OR LATENT, SHALL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE DISPLAY. VIZIO SHALL NOT BE RESPONSIBLE FOR LOSS OF USE, COMMERCIAL LOSS, LOST REVENUE OR LOST PROFITS, OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY MENUS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. This is the only warranty applicable; no one is authorized to extend or modify it or to grant any other warranty on VIZIO's behalf.

Owner's Responsibility

To ensure warranty service, keep the dated bill or sales receipt as evidence of the purchase date and location. This limited warranty applies only to original purchaser and is non-transferable.

Note: Warranty service conditions are subject to change. For the latest Warranty Terms and Conditions and additional information regarding VIZIO's Limited Product Warranty, please see complete details online at www.VIZIO.com.

VIZIO Return Policy

VIZIO's return policy allows for products purchased directly from VIZIO to be returned by the original purchaser during the initial thirty (30) day period following the date of purchase. A VIZIO return authorization number must first be obtained as provided below. The refund will be the purchase price actually paid by the purchaser less a ten percent (10%) restocking fee per each item returned. Shipping and handling are not refundable.

The return authorization number must first be obtained from VIZIO's Customer Service by emailing CustomerSupport@VIZIO.com or by calling 949-428-2525, 6:00AM to 9:00PM Pacific Time, Monday through Friday, and 10:00AM to 2:00PM Pacific Time, Saturday and Sunday. Please note that holiday hours may vary. For up to date information, please visit www.VIZIO.com.

Products must be returned to the address specified by VIZIO Customer Service and must be shipped in the original packaging, with freight prepaid to VIZIO, and must be received in new and unused condition. The return authorization number must be included in the packaging. VIZIO reserves the right to assess fees for any damaged or missing parts in addition to the ten percent (10%) restocking fee.

Return authorization numbers are valid for only fifteen (15) days from issuance. The customer is responsible for and must prepay all shipping charges and shall assume all risk of loss or damage to the product while in transit to VIZIO. If the product is returned to VIZIO (i) without a VIZIO return authorization number, and/or (ii) beyond the fifteen (15) day period, and/or (iii) without proper packaging, VIZIO retains the right to refuse delivery of such return or may return the unit to the customer at the customer's expense and with no refund issued. This return policy does not apply to defective products. Please read VIZIO's Limited Product Warranty for warranty terms and conditions.

On-Site Warranty Repair Procedure

On-Site Warranty Repair generally is performed on repairable displays which are 30 inches and larger.

If VIZIO Technical Support determines that a problem with a display unit may be within the terms and conditions of the VIZIO Limited Product Warranty and that an on-site repair may be performed, the



customer will be provided with an on-site repair authorization number and on-site repair instructions. The determination for performing the on-site repair may be dependent upon the manufacturing defect and is at VIZIO's option and sole discretion. Proof of purchase is required to confirm the product is within the one-year limited warranty period and meets the terms and conditions of the VIZIO Limited Product Warranty.

On-site repair service is requested through VIZIO's third-party service provider. After VIZIO provides the customer with the on-site repair (OSR) authorization number, the third-party service provider will contact the customer and will schedule the repair at the customer's location. The total approximate time for the repair process, which includes the repair diagnosis, dispatching the technician, shipping the replacement part(s), and arranging the appointment with the customer, is completed within approximately 3 to 5 business days, pending availability of these factors.

If it is determined the product can not be repaired on-site, the customer will be required to ship the unit to VIZIO's service center, per the below warranty replacement procedure.

VIZIO is not responsible for the de-installation or re-installation of the product. However, some standard installation may be performed during the on-site repair, at VIZIO's option and sole discretion. Please read VIZIO's Limited Product Warranty for warranty terms and conditions.

Warranty Replacement Procedure

Warranty Replacement generally is performed on displays which are determined to be economically unreparable.

If VIZIO Technical Support determines that a problem with a display unit may be within the terms and conditions of the VIZIO Limited Product Warranty and that a repair is not economically possible, based on certain manufacturing defects in materials and/or workmanship, and/or at VIZIO's option and sole discretion, the customer will be provided with a return authorization number and replacement instructions. Proof of purchase is required to confirm the product is within the one-year limited warranty period and meets the terms and conditions of the VIZIO Limited Product Warranty.

For displays forty-two inches (42") and larger, VIZIO will generally cover the transportation charges to perform an on-site swap of the original unit with the replacement unit. For displays under forty-two inches (42"), the customer is responsible for the transportation charges to VIZIO's service center. VIZIO will be responsible for the return transportation charges from the service center to the customer. Please read VIZIO's Limited Product Warranty for warranty terms and conditions.

Mail-In Warranty Repair Procedure

Mail-In Warranty Repair generally is performed on displays which are smaller than 30 inches.

If VIZIO Technical Support determines that a problem with a display unit may be within the terms and conditions of the VIZIO Limited Product Warranty and that a mail-in repair may be performed, the customer will be provided with a return authorization number and mail-in repair instructions. Proof of purchase is required to confirm the product is within the one-year limited warranty period and meets the terms and conditions of the VIZIO Limited Product Warranty.

The customer will be provided with instructions for packing and shipping the unit to the VIZIO service center. The original carton box and packing material, or an equivalent as designated by VIZIO, must be utilized. The cost of shipping to VIZIO's service center is at the customer's expense. After the product is repaired and tested, the VIZIO service center will ship the unit back to the customer at VIZIO's expense. VIZIO is not responsible for the de-installation or re-installation of the product. Please read VIZIO's Limited Product Warranty for warranty terms and conditions.

PLEASE DO NOT RETURN YOUR UNIT TO VIZIO WITHOUT PRIOR AUTHORIZATION.



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