



Dear VIZIO Customer,

Congratulations on your new VIZIO XVT472SV television purchase. For maximum benefit of your HDTV, 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, call **877-MYVIZIO** (877-698-4946) or e-mail us at [www.VIZIO.com](http://www.VIZIO.com).

To purchase or inquire about accessories and installation services for your VIZIO HDTV, visit our website at [www.VIZIO.com](http://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](http://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 \_\_\_\_\_

VIZIO is a registered trademark of VIZIO, Inc. dba V, Inc.

HDMI logo and "High Definition Multimedia Interface" are registered trademarks of HDMI Licensing LLC.

Manufactured under license from Dolby Laboratories.

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



TruSurround HD and TruVolume are trademarks of SRS Labs, Inc.

TruSurround HD and TruVolume technologies are incorporated under license from SRS Labs, Inc.



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.

THE TRADEMARKS SHOWN HEREIN ARE THE PROPERTY OF THEIR RESPECTIVE OWNERS; IMAGES USED ARE FOR ILLUSTRATION PURPOSES ONLY. BRAVO, VIZIO AND THE V LOGO AND WHERE VISION MEETS VALUE AND OTHER VIZIO TRADEMARKS ARE THE INTELLECTUAL PROPERTY OF VIZIO INC. PRODUCT SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE OR OBLIGATION. © 2008 VIZIO INC. ALL RIGHTS RESERVED.



## 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 rules 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 your HDTV, make sure that the antenna or cable system is electrically grounded to provide some protection against voltage surges and static charges.

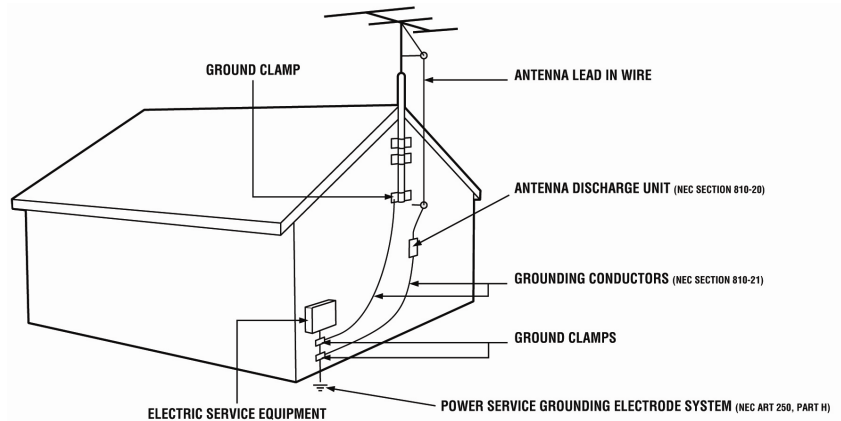
Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of the grounding conductors, location of antenna discharge unit, connection to grounding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

### Lightning Protection

For added protection of your HDTV during a lightning storm or when it is left unattended or unused for long periods of time, unplug your HDTV 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, 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](mailto: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>

**Note:** Your VIZIO HDTV is capable of receiving Digital Broadcasts, and no Digital Converter Box is required.



## Table of Contents

Important Safety Instructions.....	2
Television Antenna Connection Protection .....	4
Advisory of the DTV Transition.....	5
Finding a Location for Your HDTV .....	10
Wall Mounting your HDTV.....	10
Attaching the safety strap.....	11
<b>CHAPTER 1 BASIC CONTROLS AND CONNECTIONS.....</b>	<b>12</b>
Front Panel.....	12
Side Panel Controls.....	12
Rear Panel Connections.....	13
Right-Side Panel Connection .....	14
<b>CHAPTER 2 VIZIO REMOTE CONTROL .....</b>	<b>15</b>
Installing the Batteries .....	15
Remote Control Range .....	15
VIZIO Remote Control Precautions .....	15
Remote Control Buttons.....	16
<b>CHAPTER 3 GETTING STARTED.....</b>	<b>18</b>
<b>CHAPTER 4 USING YOUR HDTV THE FIRST TIME.....</b>	<b>19</b>
Selecting an Input Source .....	19
Setting the Time Zone and Daylight Savings .....	19
Watching a TV Program .....	20
Viewing Digital TV Program Information .....	21
Viewing Digital TV Program Information .....	21
<b>CHAPTER 5 CONNECTING EQUIPMENT .....</b>	<b>22</b>
Connecting Your Cable or Satellite Box.....	23
Using HDMI (Best).....	23
HDMI Connections for Cable or Satellite Boxes with DVI .....	23
Using Component Video (Better).....	24
Using S-Video (Compatible) .....	24
Using Composite Video (Compatible).....	25
Using Coaxial (Antenna) (Compatible).....	25
Connecting Your DVD Player.....	26
Using HDMI (Best).....	26
HDMI Connections for DVD Players with DVI .....	26
Using Component Video (Better).....	27
Using S-Video (Compatible) .....	27
Using Composite (AV) Video (Compatible) .....	28
Connecting Coaxial (RF).....	28
Using Your Antenna or Digital Cable for Standard or Digital TV .....	28
Connecting Your VCR or Video Camera.....	29
Using S-VIDEO .....	29
Using AV .....	29
Connecting a Home Theater System .....	30
Using RCA .....	30
Using Optical (S/PDIF).....	31
Connecting a Computer.....	31
<b>CHAPTER 6 USING THE MULTIMEDIA PORT .....</b>	<b>32</b>
Supported File Formats.....	32



Viewing Multimedia Content.....	33
Picture Settings .....	34
Slideshow Mode.....	34
Slideshow with Music.....	34
Music file browser .....	34
Audio Mode .....	34
Repeat.....	34
Sort By .....	34
Duration .....	35
Slideshow Effect .....	35
Thumbnail Size .....	35
Info .....	35
Music Settings .....	35
Sort By .....	35
Play Mode .....	35
Repeat.....	35
Audio Mode .....	35
Info .....	35
Video Settings .....	36
Sort By .....	36
Play Mode .....	36
Repeat.....	36
Picture Mode.....	36
Wide Format .....	36
Audio Mode.....	36
Info .....	36
<b>CHAPTER 7 ADVANCED ADJUSTMENT OF HDTV.....</b>	<b>37</b>
Using the On Screen Display (OSD).....	37
Picture Menu .....	38
Picture Mode .....	38
Backlight .....	38
Brightness .....	38
Contrast .....	38
Color.....	38
Tint .....	38
Sharpness.....	38
Advanced Video.....	39
Reset Picture Mode .....	40
Audio Menu .....	40
Audio Mode.....	40
Equalizer .....	40
Balance .....	40
SRS TruSurround HD (TSHD).....	40
SRS TruVolume .....	40
Digital Audio Out.....	40
Speakers.....	41
Analog Audio Out.....	41
Lip Sync .....	41
Reset Audio Mode .....	41
TV Menu .....	42
Tuner Mode.....	42
Auto Search .....	42
Partial Channel Search.....	42
Skip Channel.....	42
MTS.....	42



Time Zone .....	42
Daylight Saving .....	42
Channel Info .....	43
Setup Menu .....	43
Language .....	43
PIP .....	43
Sleep Timer .....	44
Wide .....	44
Input Naming .....	45
CC (Closed Caption) .....	45
H/V Position .....	46
Parental .....	46
System Info .....	48
System Reset .....	48
<b>CHAPTER 8 UNDERSTANDING VIEWING FEATURES .....</b>	<b>49</b>
Viewing Modes .....	49
<b>CHAPTER 9 PROGRAMMING THE VIZIO UNIVERSAL REMOTE CONTROL .....</b>	<b>50</b>
Setting Up Your Universal Remote .....	50
Programming your TV .....	50
Programming your Blu-ray or DVD Player .....	50
Programming your Home Theater System .....	51
Programming your Cable or Satellite Set-Top Box .....	51
Searching for Device Codes .....	51
Reset Remote to Factory Settings .....	51
Remote Control Codes .....	52
<b>CHAPTER 10 MAINTENANCE AND TROUBLESHOOTING .....</b>	<b>71</b>
Cleaning your HDTV and Remote Control .....	71
Troubleshooting Guide .....	71
TV/Display Troubleshooting .....	71
Audio Troubleshooting .....	74
Remote Control Troubleshooting .....	74
Media Viewer Troubleshooting .....	74
Telephone & Technical Support .....	75
Compliance .....	75
FCC Class B Radio Interference Statement .....	75
<b>CHAPTER 11 SPECIFICATIONS .....</b>	<b>76</b>
Preset PC Resolutions .....	77
Resolution through RGB Input .....	78
<b>ONE-YEAR LIMITED WARRANTY ON PARTS AND LABOR .....</b>	<b>79</b>
<b>VIZIO RETURN POLICY .....</b>	<b>80</b>
Index .....	82





## 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. After you have opened the carton, check that your HDTV is in good condition and that all of the contents are included.

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

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

## Package Contents

- VIZIO XVT472SV
- VIZIO remote control VUR9M
- AAA Alkaline batteries for the remote control (2)
- Power cord
- Safety Strap
- Cleaning Cloth
- *Quick Setup Guide*
- Registration Card



## 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](http://www.VIZIO.com) or call us toll free at **877-MYVIZIO** (877-698-4946).

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



## Finding a Location for Your HDTV

**Note:** We strongly recommend that two people perform the setup and assembly due to the weight and size of your HDTV.

Here are some things you should consider when deciding on a proper location for your HDTV:

- The power consumption of your HDTV is about 93W (AVG).
  - Use the included power cord.
  - When an extension cord is required, use one with the correct power rating. The 3-pronged cord must be grounded and the grounding feature (3<sup>rd</sup> prong) must not be compromised.
- Install your HDTV on a flat surface to avoid tipping.
- For proper ventilation, you must allow 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.

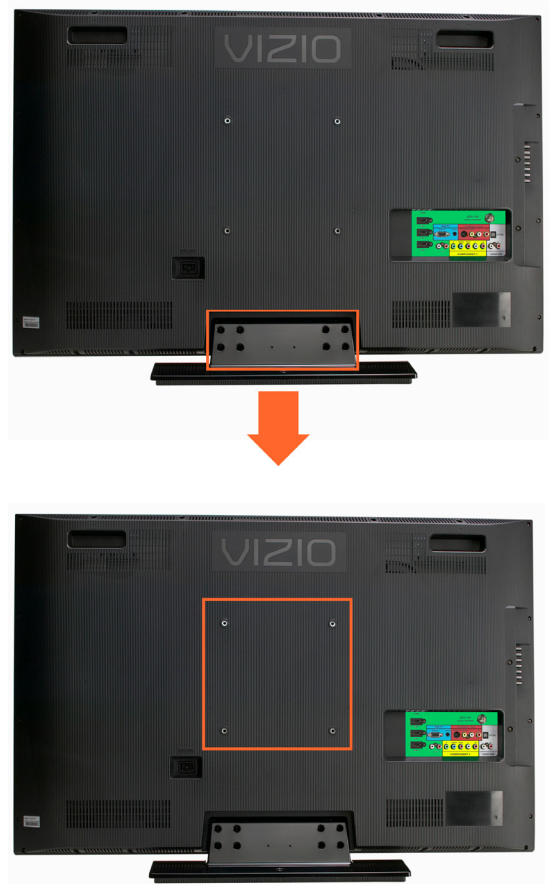
VIZIO offers professional installation services including home networking. Contact VIZIO for more information on these services at **877-MYVIZIO** (877-698-4946) or [www.VIZIO.com](http://www.VIZIO.com).

## 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: \_\_\_\_\_
2. Remove the stand:
  - 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. Remove the eight (8) screws holding the stand, then pull downward on the stand and lift the stand off your HDTV.
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.
  - b. Read the instructions that came with your specific wall mount to properly hang your HDTV.

**Note:** Use M6x 20mm 1.0mm pitch screws for wall mounting.



## Attaching the safety strap

When your HDTV is not mounted on the wall, use the included safety strap to attach your HDTV to the wall to reduce the chance of your HDTV being pulled over. The Safety Strap should be used with common sense practice such as ensuring that children (or adults) do not climb up, grabbing the top of your HDTV and pulling it onto themselves.

1. Attach one end of the strap to the wall:
  - If you have a **drywall finish** attach it to a stud, using a washer underneath the screw head.
  - If you have a **solid wall** you should use a lag bolt, again using a washer under the nut.
  
2. Attach the other end of the Safety Strap to one of the upper wall mounting holes on the back of your HDTV, using a washer under the screw head.



## Chapter 1 Basic Controls and Connections

### Front Panel


**POWER 'VIZIO' LIGHT**– The VIZIO name lights white when powered on and orange when powered off.

**REMOTE CONTROL SENSOR** – Point the remote control directly at this window for the best response to the remote signal.



### Side Panel Controls



**POWER (  )** – Switch the HDTV on by pressing the button once. Press the button again to turn the HDTV off.

**MENU** – This button activates the On Screen Display (OSD). If a sub-menu is active, pressing this button will proceed to the next level.

**CH ▲/ ▼** – Use these buttons to step up or down the TV channels. While the OSD is active, these buttons function as up and down controls in the OSD menu.

**VOL + / -** – Use these buttons to increase or decrease the speaker volume. While the OSD is active, these buttons function as left and right controls in the OSD menu.

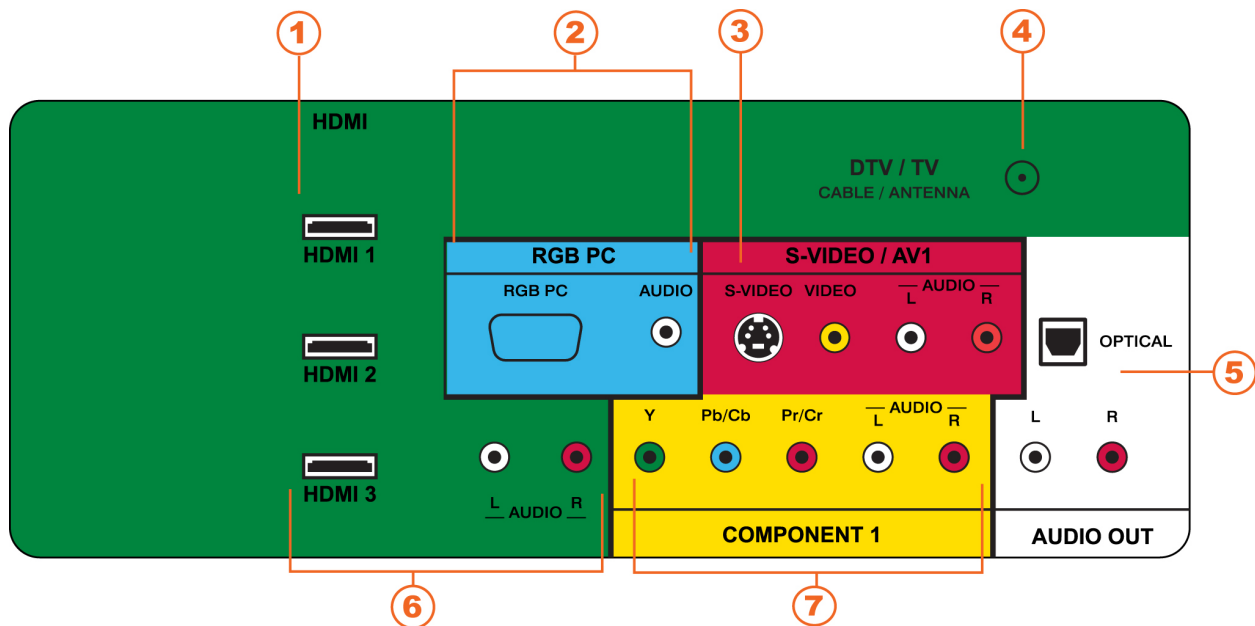
**INPUT (ENTER) –**

- Repeated pressing of this button steps through the input sources in the following sequence: TV, AV1, AV2, Component1, Component2, RGB, HDMI1, HDMI2, HDMI3, and HDM4. After 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 OSD is active, this button confirms the menu function to be adjusted.



## Rear Panel Connections



1. **HDMI 1 & 2**—Connect digital video devices such as DVD multimedia players or a Set-Top Box through these all digital connectors. There is an additional HDMI port on the side of your HDTV.
2. **RGB PC**—Connect the video and audio from a computer here. Connect a 1/8" mini plug stereo connector from the computer to your HDTV if you want sound to be transmitted.
3. **S-VIDEO/AV1**—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.
4. **DTV/TV**—Connect to an antenna or digital cable source for digital TV. For digital TV stations in your area visit [www.antennaweb.org](http://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.
5. **AUDIO OUT**—
  - (OPTICAL) When digital TV is selected for viewing, the audio associated with the programming will be available on the S/PDIF Optical connector for connection to a VIZIO Sound Bar or your home theater system.
  - (ANALOG L/R) Connect the audio from your HDTV to an external device, such as a VIZIO Sound Bar or a home theater system. Non-amplified speakers cannot be connected directly here.
6. **HDMI 3**—Connect another digital video device such as a DVD multimedia 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 and HDMI-DVI cables are available for purchase from [www.VIZIO.com](http://www.VIZIO.com) or by calling 888-VIZIOCE (888-849-4623).
7. **COMPONENT 1 (YPb/CbPr/Cr with Audio L/R)**—Connect component video devices such as a DVD Player or Set-Top Box here. There is an additional Component port on the side of your HDTV.



## Right-Side Panel Connection

1. **AV2** – Connect the secondary source for composite video devices, such as a VCR or video game. Use the white and red connectors to connect the external audio from the same source, and then use the yellow connector to connect the external video from the same source.

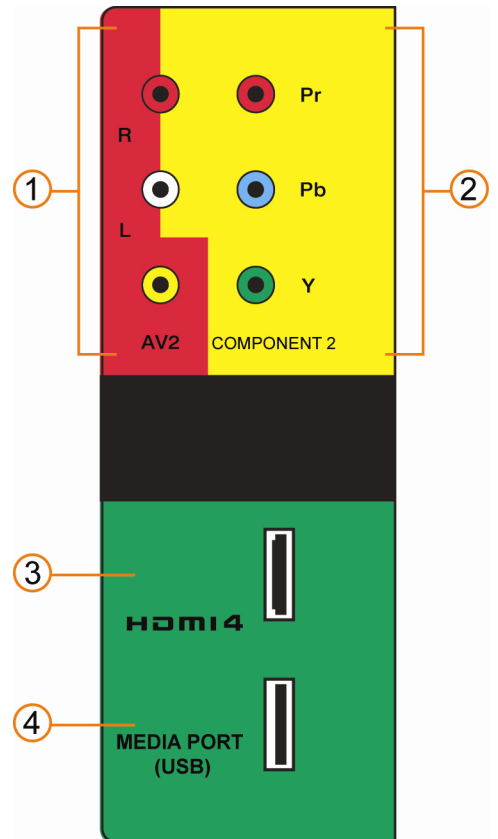
**Note:** The red and white audio connectors are shared between AV2 and COMPONENT2.

2. **COMPONENT2 (YPb/CbPr/Cr with Audio L/R)** - Connect the secondary source for component video devices such as a DVD Player or Set-Top Box here.

**Note:** The red and white audio connectors are shared between AV2 and COMPONENT2.

3. **HDMI4** - Connect another digital video device such as a DVD multimedia player or Set-Top Box through this all digital connector.

4. **MULTIMEDIA PORT** – Insert a FAT/FAT32 formatted USB drive to view pictures, listen to music, or watch movies.



## Chapter 2 VIZIO Remote Control

In addition to your HDTV, your VIZIO remote control is programmable and supports up to four different devices such as a TV, DVD player, a Home Theater System or Audio Amplifier, and a Cable or Satellite Set-Top Box. See "Programming the VIZIO Universal Remote Control" at the back of this manual for step-by-step instructions on how to program the remote.

### Installing the Batteries

1. Open the battery cover by sliding it in the direction of the arrow.
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 quality AAA alkaline 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 at the remote control sensor to transmit the commands.
- Do not place any obstacles between the remote control and the receiver window.
- The effective range of the remote control is approximately 30 feet (10 meters) from the front of the receiver window, 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 your HDTV 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

**SET**—Press to start all programming of the Remote Control.

**Remote LED**—Blinks when the remote operates.

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

**HDMI**—Press to select the HDMI input. By pressing it repeatedly you will go through all HDMI inputs in sequence.

**COMP**—Press to select from you TV's Component inputs. By pressing it repeatedly you will go through all Component inputs in sequence.

**AV**—Press to select from your TV's Composite or S-Video inputs. By pressing it repeatedly you will go through all AV inputs in sequence.

**TV**—Press to select TV mode.

**PIP/Yellow Button**—Press to activate the picture-in-picture feature. The screen will display the sub-screen in the corner over the main screen. Press again to display the POP (Picture Outside Picture) option. Press to perform the same function as the "A" button on your Cable/Satellite Box.

**P.SIZE/Blue Button**—Repeatedly press to set the size of the PIP screen to small, medium, or large. Press to perform the same function as the "B" button on your Cable/Satellite Box

**P.INPUT/Red Button**—Press to choose the input source for the PIP screen. Press to perform the same function as the "C" button on your Cable/Satellite Box.

**P.CH/Green Button**—Press change the channels in the PIP screen when TV is selected as PIP Input. Press to perform the same function as the "D" button on your Cable/Satellite Box.

**WIDE/RECORD**—Press to cycle through the available screen formats. This button also begins recording when using the remote to control your pre-programmed DVD Player or Cable/Satellite Box DVR.

**FREEZE/PAUSE**—Press to "Freeze-Frame" the current screen. Press again to continue playing. This button also pauses playback when using the remote to control your pre-programmed DVD Player or Cable/Satellite Box DVR.

**MTS/PLAY**—Press to select from the various audio formats available in standard TV mode and alternate audio channels, where available when viewing digital channels. This button also starts playback when using the remote to control your pre-programmed DVD Player or Cable/Satellite Box DVR.

**SWAP/STOP**—While in PIP/POP mode, press to switch the display from the main screen to the sub-screen or vice versa. This button also stops playback/recording when using the remote to control your pre-programmed DVD Player or Cable/Satellite Box DVR.

**Note:** PIP is only available when the Rating Enable option in the Parental Controls Menu is OFF. Refer to SETUP MENU...PIP on Page 43 for details.

**MODE/PREV**—Press to cycle through the picture mode options on your TV. This button also skips to the previous track when using the remote to control your pre-programmed DVD Player or Cable/Satellite Box DVR.





**INFO/REV**—Press to display the image and system display information. This button also reverses playback when using the remote to control your pre-programmed DVD Player or Cable/Satellite Box DVR.

**P.AUDIO/FF**—Press to switch the audio from the main screen to the sub-screen while in PIP or POP mode. This button also fast forwards playback when using the remote to control your pre-programmed DVD Player or Cable/Satellite Box DVR.

**CC/NEXT**—Repeatedly press to select from your TV's closed captioning options. This button also skips to the next chapter when using the remote to control your pre-programmed DVD Player or Cable/Satellite Box DVR.

**DVD\***—Press to select a DVD player that has been programmed to work with this remote.

**AUDIO\***—Press to select a Home Theater System or Audio Amplifier that has been programmed to work with this remote.

**CABLE**—Press to select a cable or satellite Set-Top Box that has been programmed to work with this remote.

**TV**—Press to operate VIZIO HDTVs.

**MENU** – Press to open the On-Screen Display (OSD) menu. Press repeatedly to go back to the previous menu screen or to return to your program.

**EXIT**—Press to exit from the On-Screen Display (OSD) menu.

**▲ ▼ ◀ ▶** -- Press to navigate the OSD menu. They will also be used as value settings when the slide bar is shown on the screen and option settings to turn a feature off or on.

**OK**—Press to confirm or choose a highlighted OSD menu selection. In Multimedia Mode, you can press to select folders and files and to play/pause a slideshow, playing music, or movies.

**GUIDE**—Press to display detailed program information when viewing a digital TV program.

**LAST**—Press to recall the previously viewed channel. This button also allows you to get back to previous menu screens in the OSD menu.

**Volume +/-** — Press to turn the volume up or down.

**MEDIA**—Press to view pictures, listen to music, or watch movies on a USB drive connected to the Multimedia port on the side of your HDTV.

**MUTE**—Press to turn the sound on and off.

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

**NUMBER BUTTON PAD**—Press to select a channel or enter a password.

**INPUT**—Press repeatedly to step through the input sources available on your TV.

**– (DASH)**—When selecting a digital channel directly, use this button between the main and sub-channels. For example, channel 28-2 would be selected by the button sequence 2, 8, DASH, 2.

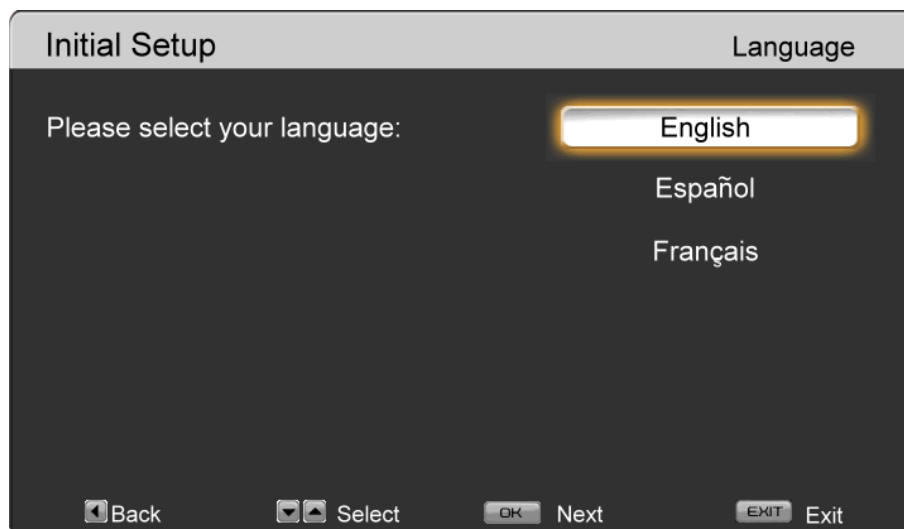
**\*Note:** Your VIZIO Universal remote is pre-programmed to operate VIZIO Blu-Ray DVD Players and Sound Bars.



## Chapter 3 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 other end 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 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 your HDTV to Home Mode for the best picture and most efficient energy useage.
  - Set your Time Zone and Daylight Savings preferences
  - Add your TV channels (unless you have a Cable/Satellite Set-Top Box)



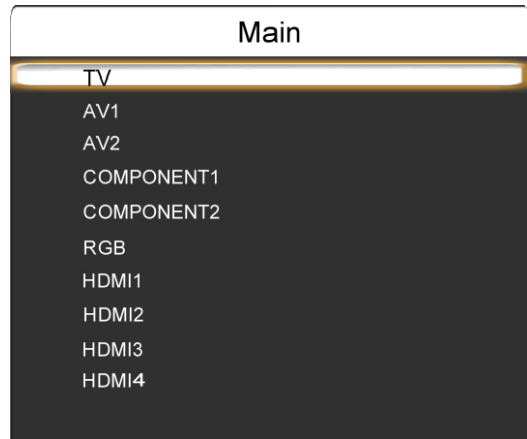
## Chapter 4 Using your HDTV the first time

### Selecting an Input Source

Select the input source for your HDTV by pressing **INPUT** on the remote control or side of your HDTV. Pressing this button will cycle you through the following options: **TV**, **AV1**, **AV2**, **COMPONENT 1**, **COMPONENT 2**, **RGB** (VGA), **HDMI1**, **HDMI2**, **HDMI3**, and **HDMI4**.

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. Refer to Owner or User's Manual of such equipment for details.



### Setting the Time Zone and Daylight Savings

1. Select **TV** using the **INPUT** button on the remote control.
2. Press **MENU** to bring up the Menu display. The Picture Menu is highlighted.
3. Press **▲** or **▼** to highlight TV, and then press **OK** to select it.
4. Press either **▲** or **▼** to scroll to Time Zone, and then press either **◀** or **▶** to set the proper Time Zone of your area.
5. Press **▼** to scroll down to Daylight Saving, and then press either **◀** or **▶** to set to On or Off.
6. Press **MENU** once to return to the previous screen or repeatedly to return to your program if task has been completed.

Your new HDTV is now ready to use. Enjoy your TV watching!!



## Watching a TV Program

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

1. Press **POWER** on the remote control. The VIZIO logo on the front will change from orange to white.
2. There are 3 options for selecting your programming:
  - a. If you are using an antenna or cable connected through the DTV/TV CABLE/ANTENNA input, you can select TV directly by pressing **TV** on the remote control or by selecting TV from the Input menu after pressing **INPUT** on the remote control.
  - b. If you are watching broadcasts through a cable or satellite Set-Top Box connected by an HDMI cable, select HDMI directly by pressing **HDMI** on the remote control, or by selecting HDMI from the Input menu after pressing **INPUT** on the remote control.
  - c. If you are watching broadcasts through a cable or satellite Set-Top Box connected by a Component (YPbPr) cable, select Component directly by pressing **COMP** on the remote control or by selecting Component from the Input menu after pressing **INPUT** on the remote control.

**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 **HDMI** or **COMP** on the remote control will cycle through the available inputs. Press the button until the input associated with the device you wish to view is shown in the Info box at the upper right corner of the screen.

3. When using option 2a, 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, control will not work if you are watching a program using HDMI, Component, or AV (S-Video or Composite) inputs.

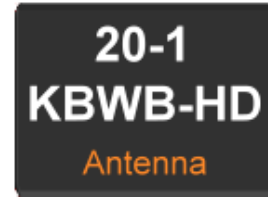
**Note:** Under this option, you will need to scan available channels before Channel + or Channel - will function. Refer to **TV Menu...Auto Search** on Page 42 for more detail.



## Viewing Digital TV Program Information

When watching a digital TV program, the On Screen Display will function as follows:

- When a channel is selected, an information header is shown over the picture for a few seconds.
- When you press **GUIDE** once, the information header and a short summary of the program content, when available from the broadcaster, is displayed. This information consists of the channel number and name, the format in which the program is broadcast (480i SD, 480P SD, 720P HD, 1080i HD), audio channel 1/2 or 2/2 (omitted if alternate channel is not broadcast), language, program title, program start and end time, program rating and if CC is available.



**Charmed**  
11:00PM-12:00AM  
TV-14-V

English Stereo  
1080i HD

20-1  
KBWB-HD  
Antenna

Zanku taps the services of the insidious Alchemist (John Kassir) to weaken the nerves of the sisters in a poly to gain control of the Book of Shandows. Meanwhile, Darryl struggles to keep Insp. Sheridan (Jenya Lano) in the dark about the

1/2

- When you press **GUIDE** once more, the EPG (Electronic Program Guide) will be displayed.
  - Press the **Up** or **Down** Navigation buttons on the remote to scroll in the program list. A short summary of the program content, when available from the broadcaster, is displayed.
  - Press the **Left** or **Right** Navigation buttons on the remote to view the program guides for the previous or next channel in your tuner memory.
  - Press **GUIDE** or **EXIT** one more time to close the display.

20 ◀
20-1 KBWB-HD
▶ 20-2

Today	11:00 PM	Charmed	CC
Tommow	12:00 AM	Steve Harvey's Big Time Challenge	CC
Tommow	1:00 AM	Angle	CC
Tommow	2:00 AM	Cheaters	CC
Tommow	3:00 AM	Distortion 2 Static	CC



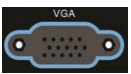
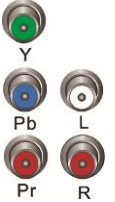

11:00 PM - 12:00 AM Sun,26-Jun
TV-14-V

Zanku taps the services of the insidious Alchemist (John Kassir) to weaken the nerves of the sisters in a poly to gain control of the Book of Shandows. Meanwhile, Darryl struggles to keep Insp. Sheridan (Jenya Lano) in the dark about the Charmed Ones. Zan



## Chapter 5 Connecting Equipment

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	<b>HDMI</b> 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 <b>antenna</b> or <b>coaxial</b> cable to watch TV programming. This cable usually comes from your cable box or right out of the wall.
Best (analog)	 VGA	The <b>RGB (VGA)</b> port allows you to connect your computer so you can use your HDTV as your monitor.
Better (analog)	 Y Pb L Pr R	<b>Component</b> 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 highest quality video and audio that HDMI can produce.
Compatible (analog)	 S-VIDEO L R	Using a unique connector, <b>S-Video</b> provides a sharper image than Composite video. However, S-Video does not carry high-definition video signals. Use HDMI or Component for high-definition signals.  <b>Composite</b> 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, Component, or S-Video. 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](http://www.VIZIO.com) or call 1-888-VIZIOCE (1-888-849-4623) for details.



## Connecting Your Cable or Satellite Box

You have four options for connecting your Cable or Satellite Box to your HDTV: HDMI, Component, Composite, or Coax (RF). Based on your home theater configuration, you can decide which option is the right one for you. Refer to your Set-Top Box user manual for more information about the video output requirements or consult your cable or satellite operator.

### Using HDMI (Best)

Cable and Satellite Boxes that have an HDMI digital interface should be connected to the HDMI input of your HDTV for optimal results.



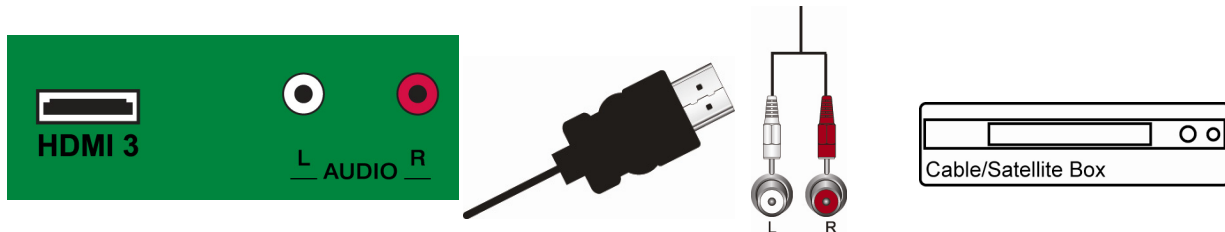
**Note:** To maintain the display quality, use a VIZIO certified HDMI cable. This cable is available in 6, 8, and 12 foot lengths. Visit [www.VIZIO.com](http://www.VIZIO.com) or call 1-888-VIZIOCE (1-888-849-4623) for details.

1. Turn off your HDTV and Cable/Satellite Box.
2. Connect an HDMI cable to the **HDMI** output of your Cable/Satellite Box and the other end to the **HDMI 1, 2, 3** or **4** jack on your HDTV.
3. Turn on the power to your HDTV and your Cable/Satellite Box.
4. Select **HDMI 1, HDMI 2, HDMI 3,** or **HDMI 4** using the **INPUT** button on the remote control or side of your HDTV.

**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.

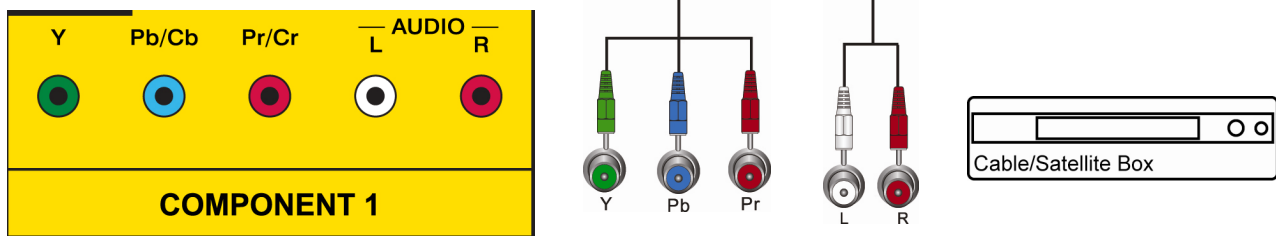
### HDMI Connections for Cable or Satellite Boxes with DVI



1. Turn off the power to your HDTV and HDTV Cable/Satellite Box.
2. Using a HDMI-DVI cable, connect the DVI end to your Cable/Satellite Box and the HDMI end to the **HDMI 3** jack on your HDTV.
3. Connect the audio cables (white and red) from the DVI audio output jacks on the Cable/Satellite Box to the **HDMI 3 L** and **R AUDIO** jacks on your HDTV.
4. Turn on the power to your HDTV and your Cable/Satellite Box.
5. Select **HDMI-3** using the **INPUT** button on the remote control or side of your HDTV.

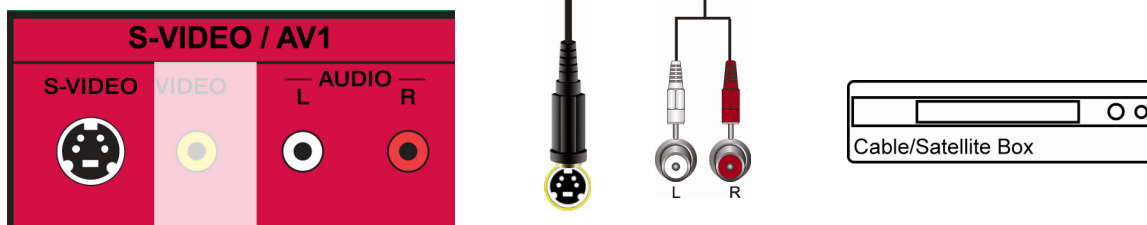


### Using Component Video (Better)



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 Set-Top Box to the **COMPONENT L** and **R AUDIO** jacks on your HDTV.
4. Turn on your HDTV and Cable/Satellite Box.
5. Select **COMPONENT 1** or **COMPONENT 2** using the **INPUT** button on the remote control or side of your HDTV.

### Using S-Video (Compatible)

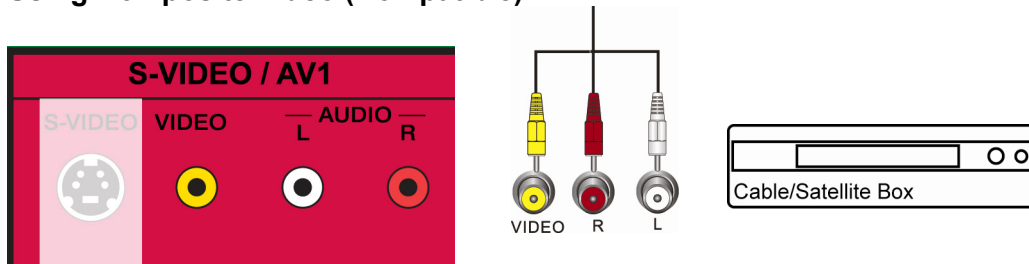


1. Turn off your HDTV and Set-Top Box.
2. Connect the S-VIDEO cable from your Set-Top Box to the **S-VIDEO** jack on your HDTV.
3. Connect the audio cables (white and red) on your Set-Top Box to the **S-VIDEO/AV L** and **R AUDIO** jacks on your HDTV.
4. Turn on your HDTV and Set-Top Box.
5. Select **AV** using the **INPUT** button on the remote control or side of your HDTV.





### Using Composite Video (Compatible)



1. Turn off your HDTV and Set-Top Box.
2. Connect the video cable (yellow) from your Set-Top Box to the **AV** jack (yellow) on your HDTV.
3. Connect the audio cables (white and red) on your Set-Top Box to the **S-VIDEO/AV L** and **R AUDIO** jacks on your HDTV.
4. Turn on your HDTV and Set-Top Box.
5. Select **AV** using the **INPUT** button on the remote control or side of your HDTV.

### Using Coaxial (Antenna) (Compatible)



1. Turn off the power to your HDTV.
2. Connect the coaxial (RF) connector from your antenna or digital cable to the **DTV/TV CABLE/ANTENNA** connector on your HDTV.
3. Turn on the power to your HDTV.
4. Select **TV** using the **INPUT** button on the remote control or side of your HDTV.
5. Search for new channels. See **TV Menu...Auto Search** on page 42 for more information on scanning for channels.



## 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. Visit [www.VIZIO.com](http://www.VIZIO.com) or call **877-MYVIZIO** (877-698-4946) for details.

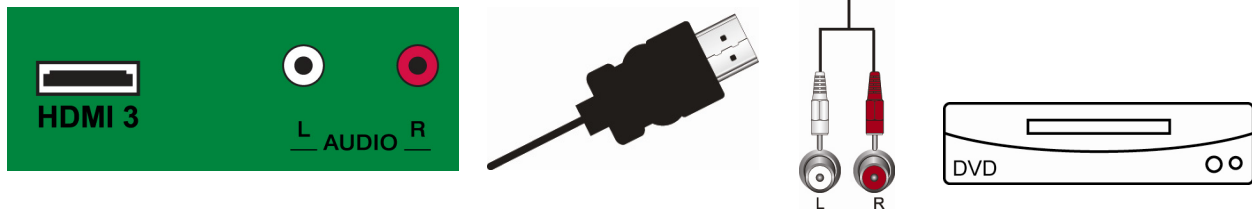


1. Turn off your HDTV and DVD player.
2. Connect a HDMI cable to the HDMI output of your DVD player and the other end to the **HDMI 1, 2, 3** or **4** jack on your HDTV.
3. Turn on the power to your HDTV and your DVD player.
4. Select **HDMI 1, HDMI 2, HDMI 3,** or **HDMI 4** using the **INPUT** button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

#### 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.

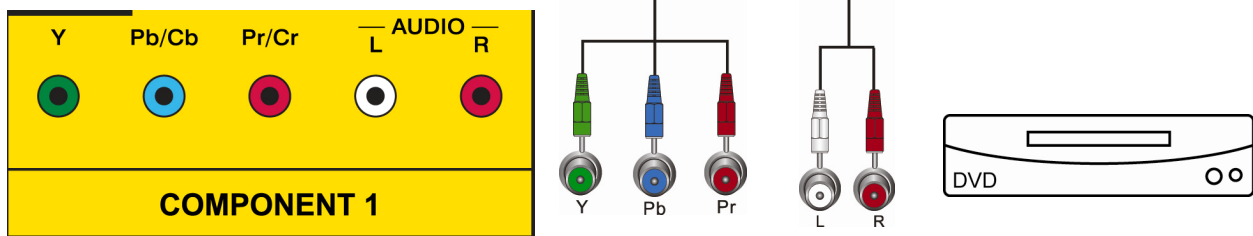
### HDMI Connections for DVD Players with DVI



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 3** Jack on your HDTV.
3. Connect the audio cables (white and red) from the DVI audio output jacks on the DVD player to the **HDMI 3 L** and **R AUDIO** jacks on your HDTV.
4. Turn on the power to your HDTV and your DVD player.
5. Select **HDMI-3** using the **INPUT** button on the remote control or side of your HDTV.

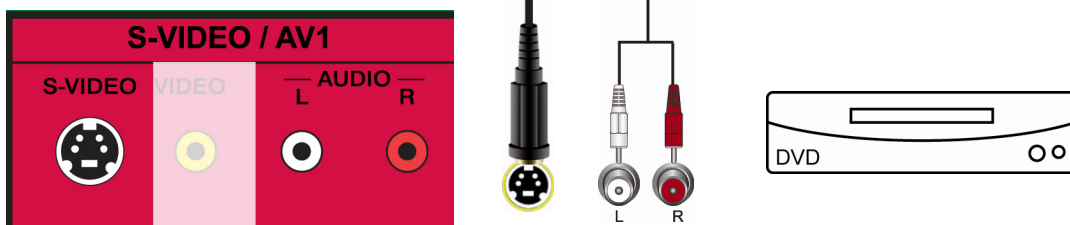


### Using Component Video (Better)



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 **COMPONENT 1** or **COMPONENT 2** using the **INPUT** button on the remote control or side of your HDTV.

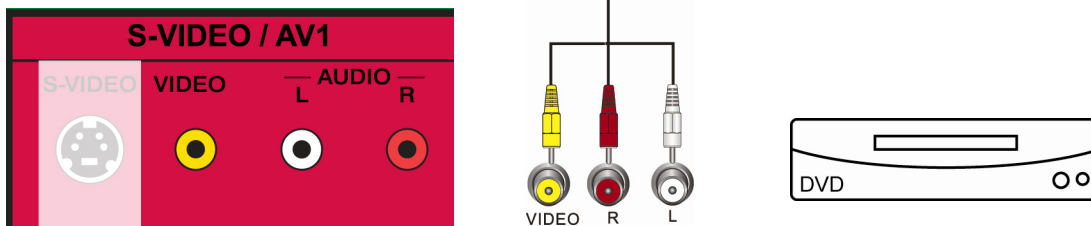
### Using S-Video (Compatible)



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 **S-VIDEO/AV 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 side of your HDTV.



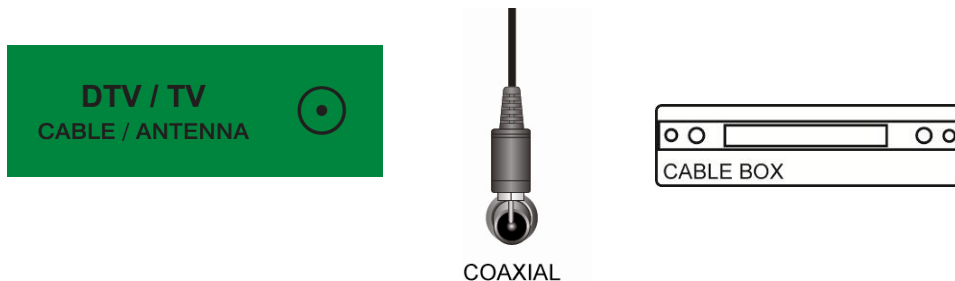
## Using Composite (AV) Video (Compatible)



1. Turn off the power to your HDTV and DVD player.
2. Connect the Video cable (yellow) from your DVD player to the **S-VIDEO/AV** jack on your HDTV.
3. Connect the audio cables (white and red) on your DVD player to the **S-VIDEO/AV 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 side of your HDTV.

## Connecting Coaxial (RF)

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



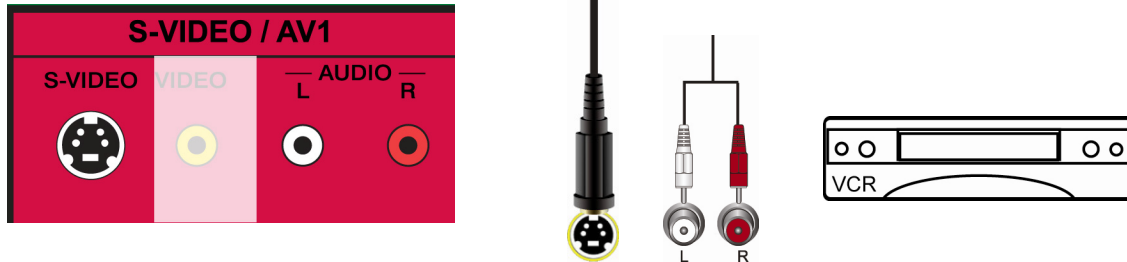
1. Turn off the power to your HDTV.
2. Connect the coaxial (RF) connector from your antenna or cable to the **DTV/TV CABLE/ANTENNA** connector on your HDTV.
3. Turn on the power to your HDTV.
4. Select **TV** using the **INPUT** button on the remote control or side of your HDTV.
5. Search for new channels. See **TV Menu...Auto Search** on page 42 for more information on scanning for channels.



## Connecting Your VCR or Video Camera

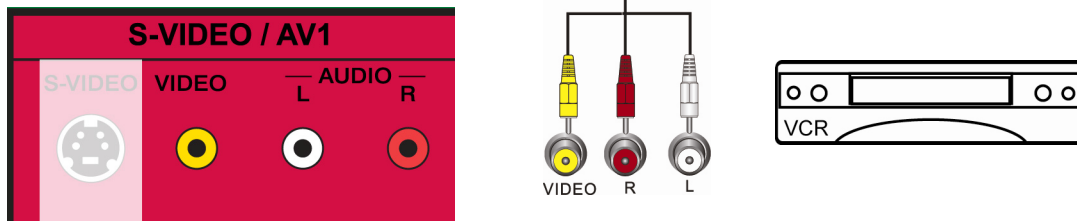
**Note:** Refer to your VCR or Video Camera user manual for more information about the video output requirements of the product.

### 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 side of your HDTV.

### Using AV

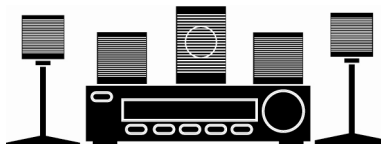
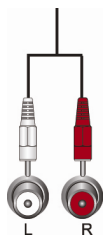
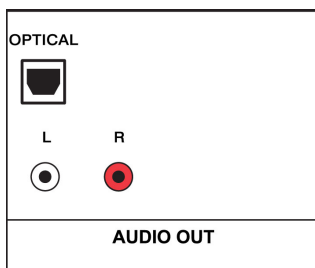


1. Turn off the power to your HDTV and VCR or video camera.
2. Connect the yellow AV cable from your VCR or video camera to the **AV** jack on your HDTV.
3. Connect the audio cables on your VCR or video camera to the corresponding **L** and **R AUDIO** jacks on your HDTV.
4. Turn on the power to your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

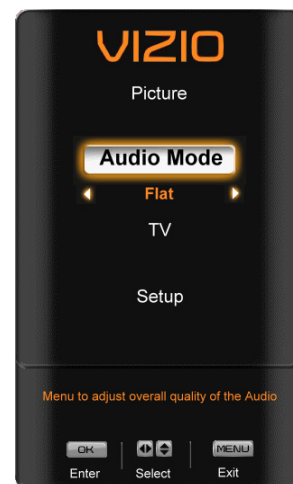


## Connecting a Home Theater System

### Using RCA



1. Turn off the power to your HDTV and home theater.
2. Connect an audio cable (white and red connectors) to the audio connectors on the home theater and connect the other end to the **L** and **R AUDIO OUT** jacks on your HDTV.
3. Turn on the power to your HDTV and home theater.
4. Press **MENU**. The On-Screen Display (OSD) menu opens.
5. Press **▼** on the remote control to highlight the *Audio* menu, and then press **OK** to select.
6. Press **▼** to select **SPEAKERS**.
7. Press **▶** to select **OFF** so the sound from your HDTV will be routed through your home theater system.
8. Press **EXIT** to close the On-Screen Display (OSD).

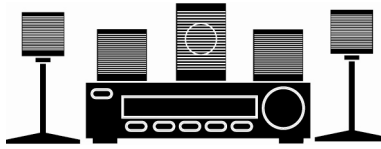
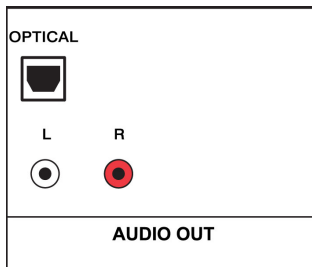


#### Note:

- Refer to your home theater user manual to select the corresponding audio input.
- The audio output is not amplified and cannot be connected directly to external speakers.



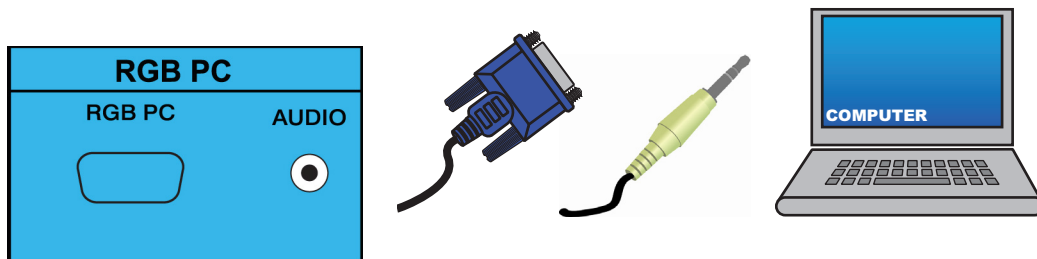
## Using Optical (S/PDIF)



If your sound system has a S/PDIF (optical) digital audio input you can connect it from your sound system to the **OPTICAL** digital audio out on your HDTV. This is active when receiving audio with the programs being viewed no matter what input is being used.

1. Connect one end of the optical cable to optical connectors 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.
3. 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 (see PC Preset Resolution table and Reduced Blanking Table on page 77). If your computer supports it, we recommend 1920x1080.
2. Turn off the power to your HDTV and computer.
3. Connect the VGA cable from your computer to the **RGB PC** jack on the back of your HDTV.
4. Connect the 1/8-inch audio cable from your computer to the RGB PC **Audio** jack on the back of your HDTV. This step is optional and only needed if you want sound to come from the computer through your HDTV.
5. Turn on the power to your HDTV and computer.
6. Select **RGB** using the **INPUT** button on the remote control.

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

**Note:** See PC Preset Resolution table and Reduced Blanking Table on page 77.



## Chapter 6 Using the Multimedia Port

With the Multimedia port you can enjoy digital content such as photos, music, and movies on your HDTV using a USB flash drive connected to the Multimedia port on the left-hand side of your HDTV.

USB drives that are USB 2.0 and FAT or FAT32 are supported but the Multimedia port does not support hard drives or USB hubs.

If your USB drive is oversized and does not physically fit in the Multimedia port, use a USB extension cable. Connect one end of the cable to your USB drive and the other end to the Multimedia port.

Multimedia Viewer Specifications	
<b>Supported File Extensions</b>	<b>Video:</b> .asf, .wmv, .avi, .mp4, .mov, .mpg, .mpeg, .vob (DVD) <b>Audio:</b> .mp3 <b>Image:</b> .jpg, .jpeg (up to 17,000 x 10,000 pixels)
<b>Readable Data Format</b>	FAT and FAT32
<b>Maximum folder depth</b>	Folders can be up to 18 levels deep. The first folder on the drive is Level 1. A folder within that folder is Level 2, a folder within that folder is Level 3, etc.
<b>Display Limits</b>	The Multimedia Viewer will show the first 900 folders and 900 files in the list

### Supported File Formats

The following are the supported file formats that can be played on your HDTV. Media server content protected by digital rights management such as WMDRM10 (Windows Media Digital Rights Management 10), may not play.

File Extension	Video Encoding Supported	Audio Encoding Supported	Resolutions Supported
.avi	H.264/AVC	AAC	Up to 1920 x 1080
.mp4	MPEG 4 ASP	AAC	Up to 1280 x 720
.asf .wmv	WMV7 (WMV1) WMV8 (WMV2) VC-1/WMV9 (WMV3/WVC1)	WMA7(V1) WMA8(V2)	Up to 1920 x 1080
.mov	H.264/AVC	AAC	Up to 1920 x 1080
.mpg .mpeg	MPEG2	AC3	Up to 1920 x 1080
.vob	MPEG2	AC3	Up to 1920 x 1080

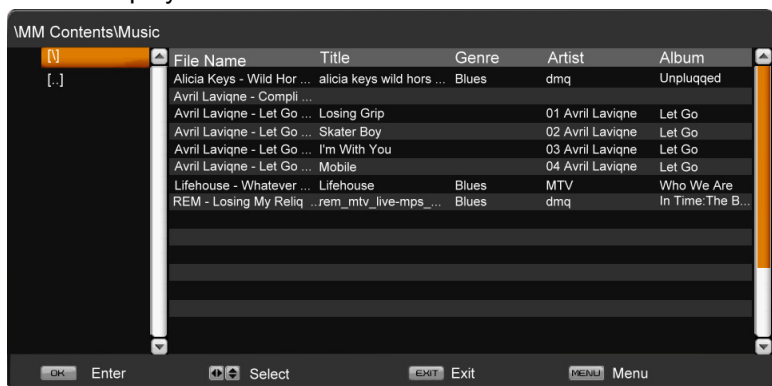
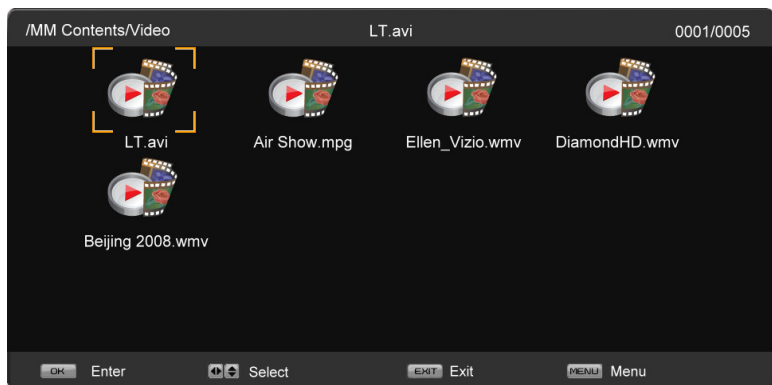
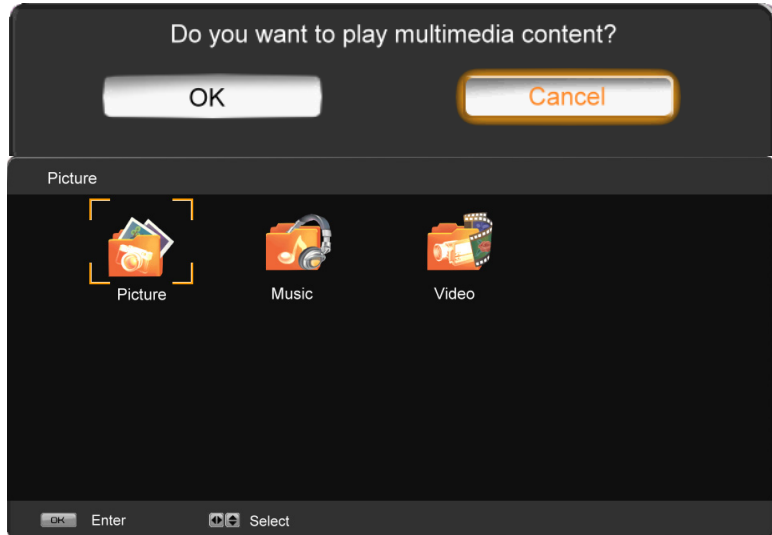
**Note:** Even the supported format files listed above may or may not play properly or completely, depending on the USB device, bit rate stream and other content characteristics, as well as other factors.





## Viewing Multimedia Content

1. Insert a USB device with digital content such as photos, music, and movies into the Multimedia port on the left-hand side of your HDTV. If a USB device is already connected, press **MEDIA** on the remote control. A message will appear asking if you want to play multimedia content.
2. Press ◀ or ▶ to highlight **OK**, and then press **OK** to select it.
3. Press ◀ or ▶ to highlight the folder that contains the content you want to see or hear, and then press **OK** to select it. A sub-menu will be displayed, showing the folders and files that are on your USB device.
4. Press ◀ or ▶ to highlight the folder or file you want to play, and then press **OK** to select it. The file will play.
5. While playing videos or music, fast forward or fast reverse by pressing ◀ or ▶.
  - a. Press ◀ or ▶ to increase the playback speed forward or reverse 2X. The display at the bottom will show ▶ or ◀.
  - b. Press ◀ or ▶ again to increase the playback speed forward or reverse 4X, 8X, 16X or 32X. The display at the bottom will show ▶▶ or ◀◀.
  - c. Press **OK** again to resume normal playback.
6. When finished, press **EXIT** once to return to the previous screen or repeatedly to return to the main menu.



## Picture Settings

When viewing pictures you can adjust various settings, including slideshow, picture duration, etc.

1. Insert a USB device and select the Picture Folder.
2. Press **MENU** on the remote control. The Picture menu will be displayed.
3. Press **▲** or **▼** on the remote control to highlight a Picture menu option, and then press **◀** or **▶** to adjust the setting.
4. Press **MENU** once to close the menu.

### Slideshow Mode

Choose from Shuffle, Single, and Sequence to set the slideshow mode. Single will display one picture selected from the thumbnails for the interval set in the Duration option and return to the thumbnails. If the Repeat option is set to On, the selected picture will be displayed until you press the Exit button. Sequence will show your pictures in the order they are listed on your USB device until you stop the slideshow, and Shuffle will show your pictures in random order until you stop the slideshow.

Press **OK** to begin the slideshow. Press **EXIT** to stop the slideshow.

### Slideshow with Music

Choose from Off, Single, Sequence, and Shuffle to set the slideshow with music mode. The music will automatically stop when the slideshow stops.

Press **OK** to begin the slideshow. Press **EXIT** to stop the slideshow.

### Music file browser

Select the slideshow music. Press **OK** to browse for music on your USB device that you want playing during the slideshow. The *Slideshow with Music* option above must be set to Single, Sequence, and Shuffle for this option to work.

### Audio Mode

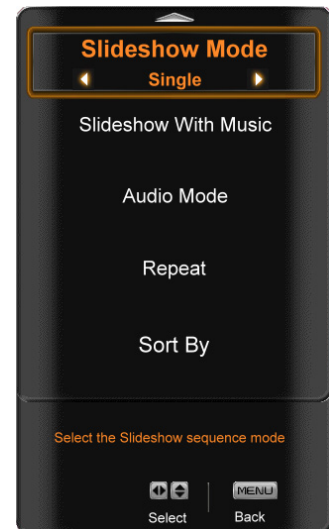
Choose from Flat, Rock, Pop, Classic, or Jazz to adjust the overall quality of the audio being played during the slideshow. Press **OK** to enter the Audio sub menus for additional adjustments to audio. See Audio Menu adjustment section on page 40. Turn SRS TruVolume off when listening to music.

### Repeat

Choose from On or Off to repeat the slideshow.

### Sort By

You can choose to sort the pictures on the USB device by Photo Date, File Date, or alphabetically (File A-Z).



## Duration

Set the amount of time the picture will remain on the screen during the slideshow. Choose a time between 5 seconds and 32 seconds.

## Slideshow Effect

Choose from Random, Dissolve, Wipe Right, Wipe Left, Wipe Up, Wipe Down, Box In, or Box Out to set the transition type when changing from one picture to another during a slideshow.

## Thumbnail Size

Set the size of the preview pictures (thumbnails) in the menu. Choose from Small, Medium, or Large.

## Info

When set to on, information about the picture briefly appears on your HDTV.



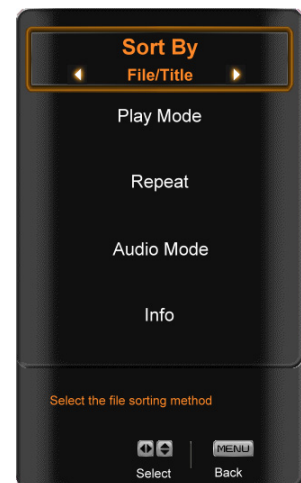
## Music Settings

When listening to music you can adjust various settings, including selecting an audio mode, choosing repeat options, etc.

1. Insert a USB device and select the Music Folder.
2. Press **MENU** on the remote control. The Music menu will be displayed.
3. Press **▲** or **▼** on the remote control to highlight Music menu option, and then press **◀** or **▶** to adjust the setting.
4. Press **MENU** once to close the menu.

## Sort By

You can choose to sort the songs by File/Title, Genre, Artist, or Album.



## Play Mode

Choose from Shuffle, Single, and Sequence to set the play sequence mode. Single will play a single song once and stop playing at the end of that song, Sequence will play the songs in the order they are listed on your USB device until you stop it, and Shuffle will play the songs in random order until you stop it.

## Repeat

When set to On, the music will continue playing until you stop it.

## Audio Mode

Choose from Flat, Rock, Pop, Classic, and Jazz to adjust the overall quality of the audio being played.

## Info

When set to on, information about the song briefly appears on your HDTV.



## Video Settings

When watching videos you can adjust various settings, including selecting an audio mode, setting to a wider format, etc.

1. Insert a USB device and select the Video Folder.
2. Press **MENU** on the remote control. The Video menu will be displayed.
3. Press **▲** or **▼** on the remote control to highlight Video menu option, and then press **◀** or **▶** to adjust the setting.
4. Press **MENU** once to close the menu.

### Sort By

You can choose to sort the videos by Type, Date, or, File Name.

### Play Mode

Choose from Shuffle, Single, and Sequence to set the video sequence mode. Single will play a video once and stop playing at the end of that video. Sequence will play the videos in the order they are listed on your USB device until you stop it. Shuffle will play the videos in random order until you stop it.

### Repeat

When set to On, the video(s) will continue playing until you stop it.

### Picture Mode

Choose from Custom, Standard, Movie, Game, Vivid, Football, Golf, Basketball and Baseball to adjust the overall quality of the picture. Press **OK** to enter the Picture sub menus for additional adjustments to video. See Picture Menu adjustment section below.

### Wide Format

Set the way the picture looks on the screen:

- 4:3 videos: choose Normal, Panoramic, Zoom1, or Zoom2.
- 16:9 videos: choose Stretch, Zoom1, or Zoom2

### Audio Mode

Choose from Flat, Rock, Pop, Classic, Jazz, and Soft to adjust the overall quality of the audio being played.

### Info

When set to on, information about the video briefly appears on your HDTV.



## Chapter 7 Advanced Adjustment of HDTV

### Using the On Screen Display (OSD)

The remote control or the control buttons on the left hand side of your HDTV can control all the function settings. The On Screen Display (OSD) allows you to adjust contrast, brightness and other settings. Your HDTV will save changes made to the settings, even if your HDTV is turned off.

The OSD consists of several menu options: Picture, Audio Mode, TV, and Setup. 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, your HDTV Rating submenu for Parental Controls.

1. Press **MENU** on the remote control and the Picture menu will be shown on the screen.
2. Press either **▲** or **▼** on the remote control to select one of the other menu options:
  - Picture (Picture Adjust)
  - Audio Mode (Audio Adjust)
  - TV (TV Tuner Setup)
  - Setup (Global Settings)
3. Press **OK** to select the option or feature you want to adjust.
4. After the menu option is displayed, press **▲** or **▼** on the remote control to select one of the items to adjust.
5. Press **OK** to select, and then press **◀** or **▶** to adjust the selection.
6. Press **MENU** once to return to the previous screen or repeatedly to return to your program if adjustments have been completed.



## Picture Menu

1. Press **MENU** on the remote control.
2. Press **▲** or **▼** on the remote control to highlight the Picture menu, and then press **OK** to select it.
3. Press **▲** or **▼** on the remote control to select a Picture menu option.
4. After the menu option is highlighted, press **◀** or **▶** on the remote control to adjust the setting.
5. Press **MENU** once to return to the previous screen or repeatedly to return to your program if the task has been completed. You can press **▲** or **▼** to return to the Picture sub-menu to select another adjustment.

## Picture Mode

When Picture is highlighted, press **◀** or **▶** to choose from Custom, Standard, Movie, Game, Vivid, Football, Golf, Basketball and Baseball.

## Backlight

The Backlight level adjusts the LEDs and this affects the overall brilliance of the picture but does not affect the Brightness (black level) or Contrast (white level) of the picture.

## Brightness

The Brightness adjusts the 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.

## Contrast

The Contrast adjusts 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.

## Color

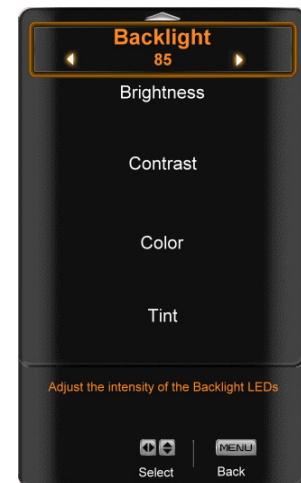
Color adjusts the amount of color in the picture.

## Tint

The Tint adjusts 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.

## Sharpness

The Sharpness adjustment adjusts 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.



## Advanced Video

To select the options in the Advanced Video sub-menu, press **OK** or **▶**. A new menu will be displayed showing the advanced functions available for fine tuning of the picture.

### Noise Reduction

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

### MPEG NR

Reduces picture noise in solid colored areas of the picture.

### 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, Normal, Rich Color, Green/Flesh, and Green/Blue setting.

### Advanced 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, Low, Medium, Strong, or Extend.

### Smart Dimming Setting

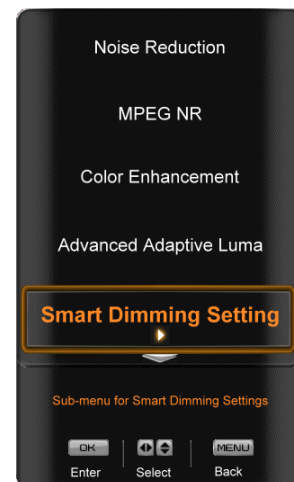
This menu controls the Smart Dimming functions. Press **▶** to enter the submenu.

#### Smart Dimming

Provides true black for the highest quality picture. Choose On or Off.

#### Smart Dimming Demo

Demonstration of the Smart Dimming Effect. The demo turns Smart Dimming On, then Off at three second intervals. Press **▶** to initiate the demo. Press **MENU** to exit the demo.



### Color Temperature

Color Temperature is the “warmness” or “coolness” of the white areas of the picture. Choose from Normal, Custom, Cool, or Computer. 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. The Computer setting sets the white point at the established setting for a PC display (9300K). Each preset may also be adjusted for a customized setting. R G and B Offset allows professional grade calibration of grayscale tracking.

### Smooth Motion

The Smooth Motion™ Effect option activates Motion Estimation/Motion Compensation (ME/MC), which suppresses motion judder, or “stuttering” of the image when the camera pans across a scene, or there is horizontal motion in the scene. Choose from Off, Low, Middle or High.

### Film Mode

Enable or disable the detection and processing of film materials. Choose Auto or Off.



## 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 ◀ or ▶ to make the selection, and then press **OK** to accept it.

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

## Audio Menu

1. Press **MENU** on the remote control and the Picture menu will be shown on the screen.
2. Press ▲ or ▼ on the remote control to highlight the Audio menu, and then press **OK** to select it.
3. Press ▲ or ▼ on the remote control to select an Audio menu option.
4. After the menu option is highlighted, press ◀ or ▶ on the remote control to adjust the setting.
5. Press **MENU** once to return to the previous screen or repeatedly to return to your program if the task has been completed.

## Audio Mode

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

### Equalizer

To select the options in the Equalizer sub-menu, press **OK**. A new menu will be displayed showing the volumes of different frequencies.

Starting from lowest to the highest, they are 120 Hz, 500Hz, 1.5 kHz, 5 kHz and 10 kHz.

1. Press ◀ or ▶ to select the frequency to be adjusted.
2. Use ▲ or ▼ to adjust to adjust the selected frequency to your preference. Values above 0 will boost the frequency and values below 0 will attenuate the frequency.



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

### Balance

Adjust the sound to the left or the right.

### SRS TruSurround HD (TSHD)

When watching TV or a movie, TruSurround HD™ creates an immersive surround sound experience from only two speakers and provides rich bass, clear dialog and high frequency detail.

**Note:** When SRS TSHD is ON, Equalizer adjustments are not available.

### SRS TruVolume

When the programming switches to a commercial or when changing from channel to channel, volume fluctuations occur. When turned on, TruVolume™ provides the listener with a comfortable and consistent volume level.

### Digital Audio Out

This option allows selection of the type of processing for the S/PDIF (Optical connector) when used with a Receiver/Amplifier/Home Theater system. Select to choose from OFF, Dolby Digital or PCM.

**Note:** Dolby Digital 5.1 is only available when the input is TV, and the station is broadcasting in 5.1. The TV does not pass through Dolby Digital 5.1 from HDMI.





## 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.

## Analog Audio Out

This option sets the volume control properties when using the RCA (white and red) connectors as audio line out to connect a Receiver/Amplifier/Home Theater system. Choose from Fixed or Variable. When set to Variable, volume from the external speakers will change according to the volume setting on your HDTV. If it is set to Fixed, the volume can only be changed by the settings on the external stereo system.

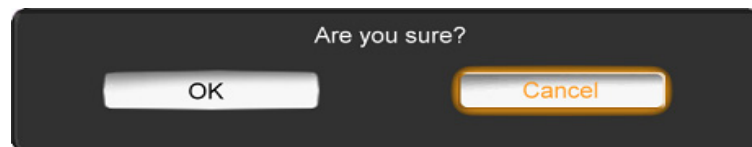
## Lip Sync

Lip Sync is designed to adjust the audio of the program being viewed so that it matches the movement of the lips of someone talking on the screen.

## Reset Audio Mode

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

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



## TV 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 your HDTV menu.

1. Press **MENU** on the remote control and the Picture menu will be shown on the screen.
2. Press **▲** or **▼** on the remote control to highlight your HDTV menu, and then press **OK** to select it.
3. Press **▲** or **▼** on the remote control to select a TV menu option.
4. After the menu option is highlighted, press **◀** or **▶** on the remote control to adjust the setting.
5. Press **MENU** once to return to the previous screen or repeatedly to return to your program if the task has been completed.

### Tuner Mode

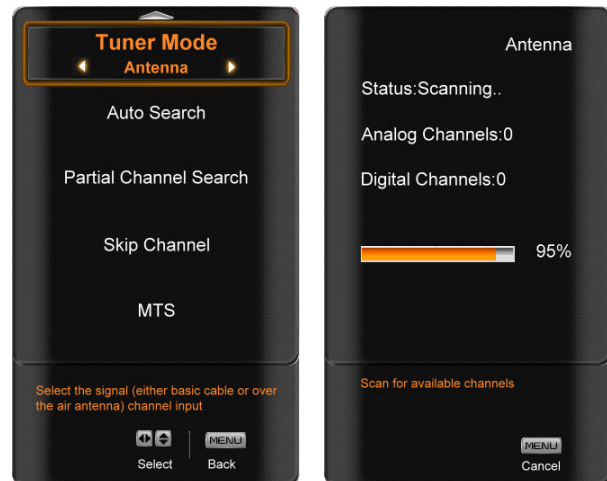
Select Cable or Antenna depending upon which equipment you have attached to the DTV / TV Input.

### Auto Search

Automatically search for TV channels that are available in your area. Your HDTV will search for analog and digital channels.

### Partial Channel Search

If you believe channels were missed from the auto search, you can do a partial channel search to look for channel in a certain channel range again. Select to scan for Analog, Digital, or both Analog/Digital channels, then press **▼** to highlight the "From" and "To" selection. Press **▶** to select the range of channel numbers you want to start searching in. Press **OK** to start channel search.



### Skip Channel

After your HDTV has stored all of the available 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 when using the CH **▲** or CH **▼** buttons. You will still be able to select this channel using the number buttons on the remote control. Scroll through the channels listed using **▲** or **▼** or scroll a page at a time by pressing **◀** or **▶**. Press **OK** to select the channel to be skipped.

### MTS

This feature allows you to select the different languages the broadcaster is transmitting the audio with the program you are watching. This language is usually Spanish.

### Time Zone

Setting the correct Time Zone for your area will ensure that the correct program times are shown after pressing **INFO** on the remote control.

### Daylight Saving

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



## Channel Info

Channel Info displays the technical information of the channel including channel number, frequency, modulation type, status, SNR (signal noise ratio), and signal strength.

## Setup Menu

1. Press **MENU** on the remote control and the Picture menu will be shown on the screen.
2. Press **▲** or **▼** on the remote control to highlight the Setup menu, and then press **OK** to select it.
3. Press **▲** or **▼** on the remote control to select **Setup** menu option.
4. After the menu option is highlighted, press **◀** or **▶** on the remote control to adjust the setting.
5. Press **MENU** once to return to the previous screen or repeatedly to return to your program if the task has been completed.

## Language

Select to change the Language of the OSD. The default is English. You can also select Español or Français.

## PIP

Your TV features PIP mode so you can watch two pictures at the same time. One picture is displayed as the full screen (main screen) and the other picture is displayed in a small window (sub screen).

**Note:** PIP is only available when the Rating Enable option in the Parental Controls Menu is OFF.

To select the options in the PIP sub-menu, press **OK**. A new menu will be displayed showing the following PIP settings:



## PIP Mode

Select from Off, PIP or POP (Picture-outside picture). In PIP mode a smaller sub-screen is displayed on top of the main screen. In POP mode the main screen and sub-screen are of equal size and are positioned side-by-side.



**PIP Source**

Select the input source for the sub-screen. The input sources available will vary according to which input is used for the main screen.

MAIN \ SUB	SUB						
	TV	AV1	AV2	Component 1	Component 2	HDMI1, HDMI2, HDMI3, HDMI 4	RGB
DTV				✓	✓	✓	✓
TV				✓	✓	✓	✓
AV1				✓	✓	✓	✓
AV2				✓	✓	✓	✓
Component 1	✓	✓	✓			✓	
Component 2	✓	✓	✓			✓	
HDMI 1	✓	✓	✓	✓	✓		✓
HDMI 2	✓	✓	✓	✓	✓		✓
HDMI 3	✓	✓	✓	✓	✓		✓
HDMI 4	✓	✓	✓	✓	✓		✓
RGB	✓	✓	✓			✓	

“✓” – Indicates which inputs are available for PIP and POP modes.

**PIP Position**

Select where you want the PIP screen positioned over the main screen.

**Size**

Set the size of the PIP window. Choose from Small, Medium or Large.

**Audio Source**

Select the audio source associated with the main screen or the sub screen.

**Sleep Timer**

Select the timer to turn off your HDTV in 30, 60, 90 or 120 minutes.

**Wide**

Select how the picture displays on the screen. As you select an option, you will see the screen adjusting to the different sizes. Refer to Chapter 6 for additional details.



### Input Naming

This feature helps you identify the input being watched. You can use up to eight characters; either letters or numbers or combinations of both, to add a name that will make it easier for you to recognize the input.

1. Press **▶** to go to the next screen that shows the different inputs.
2. Press **▼** to select the desired input which you want to label.
3. Press the **OK** button to go to the first space in the bracket.
4. Press either **▲** or **▼** and select the letter or number you want.
5. Press **▶** to go to the next space and select a second character.
6. Repeat steps 4 and 5 until the name of the input is complete.
7. Press **OK** to accept the name of the input or **MENU** to cancel the setting.



### CC (Closed Caption)

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

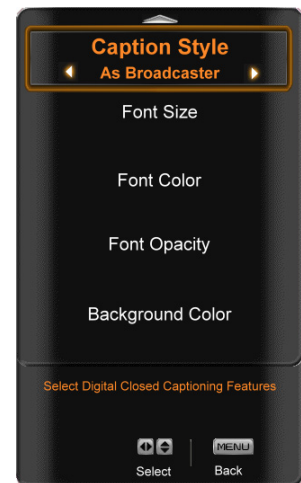
#### CC

The CC feature is available when watching regular analog (NTSC) TV. Select from CC1, CC2, CC3, CC4, Service1, Service2, Service3, Service4, Service5, or Service6. Closed Caption for regular TV is usually CC1 or CC2.

#### 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:

- **Font Size** (letter size)
- **Font Color** (letter color)
- **Font Opacity** (letter transparency)
- **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)



## H/V Position

To select the options in the H/V Position sub-menu, press **MENU** or **►**. A new menu will be displayed showing the following H/V Position settings:

### H-Position

Adjust the horizontal position of the picture.

### V-Position

Adjust the vertical position of the picture.

### H-SIZE

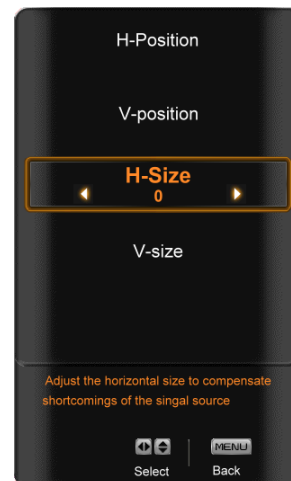
Adjust the horizontal size of the picture.

### V-SIZE

Adjust the vertical size of the picture.

### Auto Phase (for Component input only)

Your HDTV will automatically look for the phase of the signal to fine tune the picture.



**Notes:** The H/V Size functions are only available when WIDE Mode is set to other than FULL in the HDMI input mode. The H/V Position function is only available in HDMI, Component, or AV mode.

## Parental

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 your HDTV.

To select the options in the Parental sub-menu, press **OK**. Enter a password to access the Parental menu. The default password set in the factory is **0 0 0 0**.

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

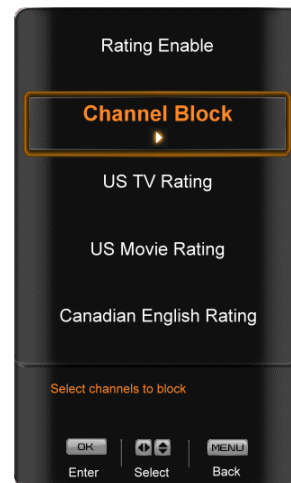
A new menu will be displayed showing the following Parental settings:

### 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 Block

Block individual channels from being displayed.



### US TV Rating

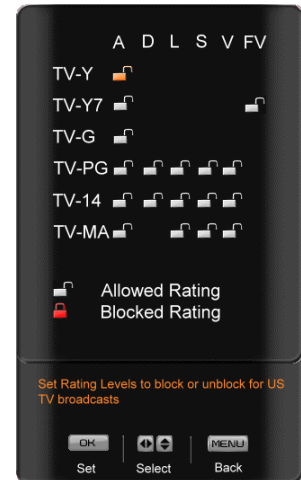
**Note:** When Rating Enable is OFF, US TV Rating adjustments are not available.

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

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

You can also customize your HDTV ratings for the following content:

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

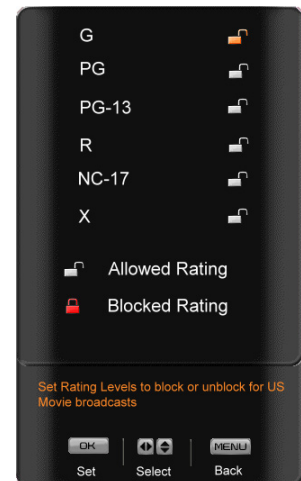


### US Movie Rating

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

Press **OK** 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



### Canadian English Rating

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

Press **OK** 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



### Canadian French Rating

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

Press **OK** 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

### DTV Rating

This option updates your HDTV or Movie rating table for digital programs in your local or regional area. It will allow the parental guidance control feature in your TV to have the most current parental control database for a digital signal. If *Not Available* appears at the bottom of the menu, then no update is available (the option is not activated in your area). This option may be available in the future for activation.

### Block Unrated TV

Block programming that does not have a rating.

### Change the Password

Select Access Code Edit to enter a new, four-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 System Reset feature (see page 44) does NOT reset the password.



### System Info

Display the technical information including model name, version and revision of firmware, source type, and resolution.

### System Reset

To select the options in the System Reset sub-menu, press **OK** or **▶**. A new menu will be displayed showing the following System Reset settings:

#### Setup Wizard

Use this function to return to the Initial Setup menu. Use this function if you want to have a guided setup when you move your TV. Refer to Chapter 3 for more information.

**Note:** Previously scanned channels will be removed.

#### Reset All Settings

Use this function to reset your HDTV to the default factory settings.

The screen will display a message to confirm that you want to reset the values to factory settings.

**Note:** This does **NOT** reset the Parental Control Password.





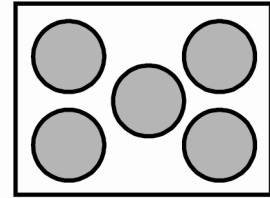
## Chapter 8 Understanding Viewing Features

Your HDTV features the following viewing modes. You can switch viewing modes using the remote control, follow the instructions on page 16.

### Viewing Modes

#### 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).

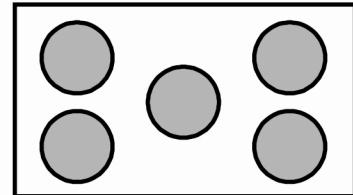


#### Full

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.

#### Zoom 1

When watching a standard broadcast or full-frame movie in this mode, the display image is stretched proportionately to fill your HDTV screen. When watching a widescreen (1.78:1 source) program or movie, the display image fills your HDTV screen. 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.

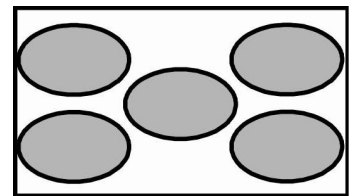


#### Zoom 2

Zooms in by 14% to crop the top and bottom bars for 2.35:1 film resolutions. For 480i/p, 4:3 only.

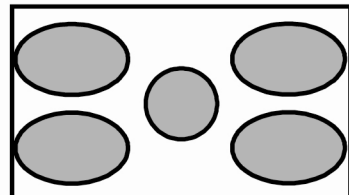
#### Stretch Mode

When watching a widescreen program (1.78:1 source) with black bars on the sides, the display image will stretch to fill your HDTV 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 your HDTV screen. The center of the image is not stretched.



## Chapter 9 Programming the VIZIO Universal Remote Control

### Setting Up Your Universal Remote

Your VIZIO universal remote control is programmable and supports up to four different devices. Listed below are the steps for programming your TV, DVD player, Home Theater System, and a Cable or Satellite Box. After you find your codes, write them in the table provided.

#### Programming your TV

1. Turn on your HDTV.
2. Press and release your HDTV button on the VIZIO universal remote control.
3. Press and hold **SET** until the LED flashes twice.
4. Find the programming code for your TV in the code list and enter it using the number buttons. If the code is accepted, the LED flashes twice after the last digit is entered. If the LED does not flash twice, repeat Steps 2 through 4 with the next code listed.
5. Point the VIZIO universal remote control at your HDTV and press **POWER**. Your HDTV will turn off. If your HDTV does not turn off, repeat Steps 2 through 4 with the next code listed for the device and manufacturer.

My Codes	
DVD Player	
Home Theater	
Cable Box	
Satellite Box	
VCR	
Other	
Other	
Other	

#### Notes:

- If the codes do not work or your brand is not listed, see “*Searching for Device Codes.*”
- Sometimes a code listed will only include limited functions. Try other codes that may include more functionality.

#### Programming your Blu-ray or DVD Player

1. Turn on the DVD player.
2. Press and release the **DVD** button on the VIZIO universal remote control.
3. Press and hold **SET** until the LED flashes twice.
4. Find the programming code for your DVD player in the code list and enter it using the number buttons. If the code is accepted, the LED flashes twice after the last digit is entered. If the LED does not flash twice, repeat Steps 2 through 4 with the next code listed.
5. Point the VIZIO universal remote control at the DVD player and press **POWER**. The DVD player will turn off. If the DVD player does not turn off, repeat Steps 2 through 4 with the next code listed for the device and manufacturer.

#### Notes:

- If the codes do not work or your brand is not listed, see “*Searching for Device Codes.*”
- Sometimes a code listed will only include limited functions. Try other codes that may include more functionality.



## Programming your Home Theater System

1. Turn on the home theater system.
2. Press and release the **AUDIO** button on the VIZIO universal remote control.
3. Press and hold **SET** until the LED flashes twice.
4. Find the programming code for your home theater system in the code list and enter it using the number buttons. If the code is accepted, the LED flashes twice after the last digit is entered. If the LED does not flash twice, repeat Steps 2 through 4 with the next code listed.
5. Point the VIZIO universal remote control at the Home Theater System and press **POWER**. The Home Theater System will turn off. If the Home Theater System does not turn off, repeat Steps 2 through 4 with the next code listed for the device and manufacturer.

### Notes:

- If the codes do not work or your brand is not listed, see “*Searching for Device Codes.*”
- Sometimes a code listed will only include limited functions. Try other codes that may include more functionality.

## Programming your Cable or Satellite Set-Top Box

1. Turn on the Cable or Satellite Set-Top Box.
2. Press and release **CABLE** on the VIZIO universal remote control.
3. Press and hold **SET** until the LED flashes twice.
4. Find the programming code for your Cable or Satellite Set-Top Box in the code list below and enter it using the number buttons. If the code is accepted, the LED flashes twice after the last digit is entered. If the LED does not flash twice, repeat Steps 2 through 4 with the next code listed.
5. Point the VIZIO universal remote control at the Cable or Satellite Set-Top Box and press **POWER**. The Cable or Satellite Set-Top Box will turn off. If the Cable or Satellite Set-Top Box does not turn off, repeat Steps 2 through 4 with the next code listed for the device and manufacturer.

### Notes:

- If the codes do not work or your brand is not listed, see “*Searching for Device Codes.*”
- Sometimes a code listed will only include limited functions. Try other codes that may include more functionality.

## Searching for Device Codes

If you cannot find the manufacturer in the device list or the program code does not work, you can use the remote control to search for the correct device code.

1. Turn on the device.
2. Press the matching device button on the VIZIO remote control.
3. Press and hold the **SET** button until the LED flashes twice.
4. Press **9 9 1**. The LED flashes twice.
5. Point the VIZIO universal remote control at the device and then press and hold **Power** until the device turns off. The LED flashes twice.

## Reset Remote to Factory Settings

1. Press and hold **SET** until the LED flashes twice.
2. Press **9 1 9 1 9**. The LED flashes twice.



## Remote Control Codes

TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
3M	10195
888	10462
A.R. Systems	10352
Abex	10065, 10256
ACE	10449
Acer	10164
Addison	10048, 10231
Admiral	10045, 10078, 10232, 10236
Advent	10221, 10291
Adventura	10066, 10261
Aiko	10053, 10231
Aim	10353
Aiwa	10178, 10207
Akai	10027, 10046, 10127, 10153, 10196, 10229, 10238, 10240, 10254, 10267, 10304, 10353
Akiba	10353
Akito	10348, 10353
Akura	10277, 10353
Alaron	10246, 10273, 10275
Alba	10353
Albatron	10219, 10222, 10286
Alfide	10240
Alleron	10055
Allstar	10353
A-Mark	10248
America Action	10234
Ampro	10220, 10289
Amstrad	10279, 10353
Amtron	10054
Anam	10234
Anam National	10054, 10264
Anhua	10455
Anitech	10353
AOC	10047, 10048, 10049, 10112,

TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
	10229, 10248, 10252, 10254, 10263, 10274, 10316
Aolinpiya	10462
Aolinpu	10465
Apex	10075, 10095, 10233
Apex Digital	10288
Archer	10248
Archos	10156
Ardem	10353
Aristona	10353
Asberg	10353
Astar	10163
Atlantic	10353
Audinac	10234, 10278
Audiosonic	10352, 10353
Audiovox	10054, 10099, 10231, 10234, 10248, 10280, 10287, 10326
Aventura	10042
Awa	10048, 10351
Axon	10154, 10326
Baihehua	10461
Baihua	10460, 10462
Baile	10458, 10460
Bang & Olufsen	10244
BaoHuaShi	10462
Baosheng	10457, 10460
Barco	10282
Basic Line	10352, 10353
Baur	10249, 10281, 10353
Baysonic	10234
Beijing	10358, 10360, 10362, 10364, 10365, 10366, 10367, 10368, 10369, 10370, 10371, 10372, 10373, 10374, 10376, 10377, 10378, 10379,

TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
	10380, 10383, 10384, 10385, 10392, 10394, 10428, 10431, 10448, 10457, 10458, 10460, 10461, 10462
Belcor	10047, 10252
Bell & Howell	10045
Benq	10116, 10159, 10226, 10300
Beon	10353
Bestar	10352, 10353
Bestar-Daewoo	10352
Blaupunkt	10281
Blue Sky	10282, 10353
Boots	10348
Boxlight	10290
BPL	10275, 10353
Bradford	10054, 10234
Brillian	10160
Brinkmann	10353
Brockwood	10047, 10252
Broksonic	10078, 10234, 10236, 10248
Bush	10348, 10352, 10353
byd:sign	10214
Caihong	10360, 10362, 10368, 10457, 10460
Cailing	10464
Caixing	10366, 10367, 10378, 10380, 10390, 10461
Candle	10047, 10049, 10050, 10066, 10229, 10254, 10261, 10265
Carena	10353
Carnivale	10229, 10254
Carver	10034, 10044, 10271
Cascade	10353
Casio	10353



TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
Cathay	10353
Caton	10355
CCE	10246, 10258, 10353
Celebrity	10046
Celera	10075
Centurion	10051, 10353
Changcheng	10357, 10360, 10362, 10363, 10364, 10366, 10367, 10368, 10369, 10370, 10371, 10372, 10373, 10374, 10376, 10378, 10379, 10380, 10384, 10385, 10392, 10448, 10455, 10457, 10458, 10460, 10461, 10462
Changfei	10360, 10362, 10368, 10379, 10457, 10460, 10467
Changfeng	10360, 10367, 10376, 10381, 10382, 10384, 10385, 10392, 10457, 10462
Changhai	10360, 10362, 10368, 10457, 10460, 10467
Changhong	, 10075, 10356, 10358, 10359, 10360, 10361, 10362, 10369, 10371, 10376, 10383, 10386, 10387, 10388, 10389, 10393, 10394, 10412, 10427, 10433, 10436, 10448, 10457, 10460
Chaparral	10442
Chengdu	10360, 10368, 10457
Chimei	10217
Ching Tai	10231
Chun Yun	10222, 10231, 10234, 10329, 10342
Chunfeng	10362, 10368, 10376, 10384,

TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
	10385, 10392, 10405, 10460, 10462
Chung Hsin	10048, 10234, 10332
Chunlan	10397, 10468
Chunsun	10360, 10362, 10368, 10457, 10460
Cinego	10327
Cineral	10231, 10280
Citizen	10047, 10049, 10050, 10053, 10054, 10062, 10064, 10229, 10231, 10238, 10254, 10259, 10261, 10265, 10325, 10347
Clairtone	10274
Clarion	10234
Clarivox	10353
Clatronic	10353
Coby	10108
Colortyme	10047, 10049
Colt	10344
Commercial Solutions	10230
Concerto	10047, 10049, 10265
Condor	10353
Conrowa	10422, 10460, 10462
Contec	10234, 10268, 10269, 10274, 10353
Contec/Cony	10052, 10054
Cosmel	10353
Craig	10054, 10234
Crosley	10034, 10044, 10076
Crown	10054, 10058, 10234, 10240, 10259, 10353
Crown Mustang	10240
CTX	10115
Curtis Mathes	10016, 10027, 10034, 10044, 10047, 10049,

TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
	10062, 10064, 10229, 10230, 10232, 10238, 10239, 10254, 10259, 10265, 10280
CXC	10054, 10234
CyberHome	10294
Cytron	10152, 10310
Daewoo	10047, 10048, 10049, 10053, 10064, 10076, 10231, 10240, 10252, 10259, 10280, 10325, 10347, 10352, 10353
Dansai	10353
Dawa	10353
Daytron	10047, 10049, 10064, 10252, 10352, 10353
Dayu	10458
De Graaf	10275
Decca	10348, 10353
Dell	10019, 10124
Denon	10239
Denstar	10284
Denver	10353
Desmet	10353
Diamant	10353
Diamond Vision	10216, 10328
Digatron	10353
Dimensia	10016
Disney	10093
Dixi	10353
DongBao	10448
DongDa	10362, 10368, 10448, 10460
Donghai	10362, 10368, 10460
DongHua	10448
Donglin	10391
Dual	10353
Dumont	10020, 10047, 10228, 10252, 10266



TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
Durabrand	10042, 10078, 10227, 10234, 10236, 10248, 10272
Dux	10353
D-Vision	10353
Dwin	10232, 10293
Dynatech	10262
Dynatron	10353
Dynex	10143, 10189
Ectec	10278
Eiki	10169, 10170
Electroband	10046, 10274
Electrograph	10206, 10321
Electrohome	10046, 10047, 10049, 10078
Elektra	10228
Element	10136
ELG	10353
Elin	10353
Emerson	10042, 10047, 10049, 10052, 10054, 10055, 10064, 10076, 10078, 10135, 10234, 10236, 10252, 10259, 10269, 10272, 10273, 10274, 10325, 10347, 10353
Emprex	10215
Envision	10047, 10049, 10112, 10229, 10254, 10316
Epson	10113, 10302
Erres	10250, 10353
ESA	10042, 10127
ESC	10353
Ether	10330
Euroman	10353
Europa	10353
Exquisit	10353
Feilang	10362, 10368, 10460
Feilu	10360, 10362, 10368, 10457,

TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
	10460
Feiyan	10376, 10384, 10385, 10392, 10462
Feiyue	10360, 10362, 10366, 10367, 10368, 10378, 10380, 10457, 10460, 10461
Fenmenti	10353
Fenner	10352
Ferguson	10048
Fidelity	10353
Filmnet	10440
Finlandia	10275
Finlux	10266
Firstline	10352, 10353
Firstar	10340
Fisher	10270, 10275
FlexVision	10287
Flint	10353
Fraba	10353
Friac	10353
Frontech	10277
Fujitsu	10050, 10055, 10208, 10273
Funai	10042, 10054, 10055, 10234, 10273, 10324
Furi	10336
Futuretech	10054, 10234, 10277
Galaxis	10353
Ganxin	10457, 10461
Gateway	10119, 10206, 10241, 10322
GBC	10352
GE	10016, 10047, 10049, 10056, 10057, 10070, 10088, 10230, 10253, 10264, 10272, 10280, 10345
GEC	10353
Geloso	10352
Genexxa	10353

TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
GFM	10040, 10140
Gibraltar	10020, 10047, 10228, 10229, 10252, 10254
GoldStar	10047, 10048, 10049, 10052, 10064, 10065, 10229, 10252, 10254, 10256, 10272, 10346, 10353
Goodmans	10352, 10353
Gradiente	10036, 10118, 10265, 10271
Granada	10048, 10275, 10353
Grandin	10352, 10353
Great Wall	10349
Grundig	10240, 10258, 10266, 10281, 10353
Grunpy	10054, 10055, 10234, 10273
Haier	10139, 10148, 10174, 10209, 10227, 10247, 10354, 10380, 10395, 10396, 10399, 10403, 10404, 10414, 10416, 10417, 10418, 10419, 10421, 10423, 10424, 10466
HaiHong	10362, 10368, 10369, 10370, 10371, 10372, 10373, 10391, 10395, 10448, 10460
Haile	10375
Haiyan	10360, 10366, 10367, 10376, 10378, 10380, 10384, 10385, 10392, 10457, 10461, 10462
Hallmark	10047, 10049, 10272
Hankook	10234, 10330, 10339
Hannspree	10315
Hanseatic	10353
Hantarex	10313, 10353



TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
Hantor	10353
Harley Davidson	10260, 10273, 10324
Harman/Kardon	10034, 10044
Harvard	10054, 10234
Harwood	10353
Hauppauge	10353
Havermy	10232
HCM	10279, 10353
Helios	10145
Hello Kitty	10210, 10280
Hewlett Packard	10101, 10301
Highline	10353
Himitsu	10234, 10284
Hinari	10353
Hisense	10121, 10288, 10338, 10350, 10356, 10358, 10361, 10368, 10381, 10382, 10386, 10395, 10396, 10397, 10400, 10401, 10407, 10408, 10416, 10417, 10418, 10419, 10426, 10428, 10431, 10459
Hitachi	10047, 10048, 10049, 10052, 10131, 10184, 10239, 10256, 10265, 10324, 10353
Hitachi Fujian	10048, 10457, 10459, 10461, 10462
Hornyphone	10353
Hongmei	10359, 10360, 10362, 10366, 10367, 10368, 10376, 10378, 10380, 10385, 10386, 10387, 10392, 10457, 10460, 10461, 10462
Hongyan	10457, 10462
Hotel TV	10447
HP	10301
Huafa	10460

TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
Huanghaimei	10362, 10368, 10460
Huanghe	10360, 10362, 10366, 10367, 10368, 10378, 10380, 10383, 10395, 10406, 10457, 10460, 10461
Huanglong	10362, 10368, 10460
Huangshan	10360, 10362, 10366, 10367, 10368, 10375, 10376, 10378, 10380, 10384, 10385, 10392, 10457, 10460, 10461, 10462
Huanyu	10352, 10359, 10360, 10366, 10367, 10376, 10378, 10380, 10384, 10385, 10386, 10387, 10392, 10457, 10459, 10461, 10462
Huaqiang	10376, 10384, 10385, 10392, 10462
Huari	10462
Humax	10197
Huodateji	10455
Hypson	10277, 10353
Hyundai	10171, 10224
Iberia	10353
ICE	10277
Ilo	10149, 10151, 10307, 10320
IMA	10054
Imperial	10353
Imperial Crown	10458, 10462
Indiana	10353
Infinity	10034, 10044, 10058
InFocus	10125, 10290
Initial	10151, 10320
Innova	10258
Insignia	10141, 10142, 10143, 10181,

TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
	10310
Inteq	10228
Interbuy	10353
Interfunk	10353
Internal	10353
Intervision	10277, 10353
IR	10351, 10352, 10353
Irradio	10353
IRT	10280, 10284
Isukai	10353
ITS	10353
ITV	10352, 10353
Janeil	10066, 10261
JBL	10034, 10044, 10058
JC Penney	10016, 10047, 10048, 10049, 10050, 10056, 10057, 10062, 10064, 10065
JCB	10046
Jean	10231, 10331, 10338, 10340
Jensen	10047, 10049, 10291
Jiahua	10357, 10363, 10375, 10376, 10411, 10455
JiaLiCai	10414, 10448, 10460, 10462
Jinfeng	10357, 10360, 10365, 10455, 10457
Jinhai	10359, 10386, 10387
Jinlipu	10386
Jinque	10457, 10460, 10462
Jinta	10460, 10461, 10462
Jinxing	10333, 10336, 10338, 10358, 10360, 10367, 10368, 10375, 10376, 10377, 10383, 10386, 10389, 10390, 10392, 10394, 10397, 10408,



TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
	10426, 10457, 10462
Juhua	10457, 10461, 10462
JVC	10036, 10037, 10038, 10052, 10057, 10059, 10078, 10257
Kaige	10457, 10460, 10461, 10462
Kaisui	10353
Kamp	10246
Kangchong	10359, 10386, 10387
Kanghua	10395
Kangli	10422, 10448, 10457, 10458, 10460, 10461, 10462
Kangyi	10390, 10460, 10462
Kawasho	10046, 10047, 10049, 10246, 10269
Kaypani	10263
KDS	10295
KEC	10234
Kendo	10353
Kenwood	10047, 10049, 10229, 10252, 10254
Kioto	10034, 10282
Kiton	10353
KLH	10075
Kloss	10261
Kloss Novabeam	10054, 10066
Kneissel	10352, 10353
Kolin	10048, 10234, 10337
Kongque	10457, 10460, 10461, 10462
Konka	10211, 10237, 10284, 10353, 10355, 10360, 10363, 10372, 10375, 10388, 10389, 10391, 10392, 10397, 10402, 10430
Korpel	10353

TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
Kost	10306
Kreisen	10298
KTV	10054, 10064, 10229, 10234, 10246, 10254, 10259, 10274
Kuaile	10460, 10462
Kunlun	10357, 10360, 10365, 10368, 10376, 10377, 10378, 10379, 10455, 10457, 10458, 10462
Lecson	10353
Lenco	10352, 10353
Leyco	10277, 10353
LG	10019, 10048, 10100, 10129, 10167, 10175, 10185, 10198, 10199, 10200, 10219, 10225, 10245, 10254, 10265, 10272, 10286, 10323, 10353
Liesenk & Tter	10353
Lifetec	10352, 10353
Lihua	10457
Lloyd's	10324
Local India TV	10275
Loewe	10058
Loewe Opta	10353
Logik	10045, 10351
Longjiang	10360, 10376, 10384, 10385, 10392, 10457, 10462
Lumatron	10353
Lux May	10353
Luxman	10047, 10049, 10265
LXI	10016, 10034, 10044, 10049, 10058, 10230, 10233, 10272
M & S	10034
Melectronic	10352, 10353
Madison	10353

TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
MAG	10295
Magnasonic	10325, 10347
Magnavox	10034, 10044, 10047, 10049, 10050, 10058, 10073, 10086, 10089, 10134, 10229, 10254, 10257, 10273, 10316, 10324, 10351
Magnin	10345
Magnum	10353
Majestic	10045
Manesth	10277, 10353
Manhattan	10353
Marantz	10034, 10044, 10047, 10049, 10058, 10114, 10212, 10229, 10254, 10258, 10353
Mark	10352, 10353
Matsui	10275, 10348, 10351, 10353
Matsushita	10235, 10285
Maxent	10144, 10201, 10206, 10292
Mediator	10250, 10353
Medion	10353
Megapower	10219, 10286
Megatron	10049, 10239, 10248, 10272
MEI	10274
Meile	10457, 10461, 10462
MeiShi	10390
Memorex	10042, 10045, 10048, 10049, 10078, 10236, 10272, 10273, 10343, 10346
Mengmei	10461
Mercury	10353
Metz	10281, 10353
MGA	10047, 10048, 10049, 10229, 10252, 10254, 10272, 10345





TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
Micromaxx	10353
Midland	10020, 10057, 10064, 10065, 10228, 10230, 10256, 10259
Minato	10353
Minerva	10048, 10266, 10281
Minoka	10279, 10353
Mintek	10151, 10320
Minutz	10056, 10253
Mitsubishi	10047, 10048, 10049, 10092, 10182, 10183, 10232, 10252, 10267, 10272, 10281, 10353
MoDeng	10390
Monivision	10219, 10222, 10286
Montgomery Ward	10045
Morgans	10353
Motorola	10232, 10264, 10295
Moxell	10295
MTC	10047, 10048, 10049, 10062, 10229, 10238, 10246, 10252, 10254, 10262, 10265, 10274
MTEC	10348
MuDan	10380, 10411, 10438, 10455, 10457, 10460, 10462
Multitec	10353
Multitech	10054, 10234, 10246, 10262, 10353
Multivision	10060
NAD	10049, 10233, 10258, 10265, 10272
Naiko	10353
Nakamichi	10318
Nanbao	10460, 10462
Nansheng	10360, 10376, 10384, 10385, 10392, 10457,

TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
	10462
NEC	10047, 10048, 10049, 10162, 10212, 10218, 10229, 10252, 10254, 10257, 10265, 10271, 10351, 10352
Neckermann	10353
NEI	10353
Neovia	10313
Netsat	10258, 10353
Net-TV	10158, 10206, 10292
Neufunk	10353
New Tech	10353
Newave	10231, 10335, 10339
Nikkai	10277, 10353
Nikko	10049, 10053, 10229, 10231, 10254, 10272
Nisato	10278
Nokia	10352
Norcent	10112, 10288, 10301, 10316
Nordmende	10353
Normerel	10353
Norwood Micro	10307
Noshi	10251
Novatronic	10352, 10353
NTC	10053, 10231
Okano	10353
Olevia	10096, 10105, 10111, 10242, 10243, 10303, 10305, 10311
Olympus	10314
Onwa	10054, 10234
Opera	10353
Oppo	10155
Optimus	10235, 10285, 10343
Optoma	10126, 10194
Optonica	10061, 10232
Orbit	10353

TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
Orion	10078, 10193, 10236, 10273, 10351, 10353
Orline	10353
Osaki	10277, 10279, 10348, 10352, 10353
Osio	10353
Osume	10353
Otto Versand	10249, 10281, 10353
Palladium	10353
Palsonic	10353
Panama	10277, 10353
Panasonic	10010, 10011, 10012, 10013, 10014, 10015, 10048, 10057, 10058, 10080, 10085, 10102, 10173, 10176, 10235, 10264, 10285, 10343
Panasonic/National	10353
Panavision	10353
Panda	10357, 10359, 10360, 10362, 10365, 10366, 10367, 10368, 10369, 10371, 10376, 10378, 10380, 10383, 10384, 10385, 10386, 10387, 10390, 10392, 10394, 10405, 10406, 10415, 10422, 10455, 10457, 10460, 10461, 10462
Penney	10229, 10230, 10233, 10238, 10248, 10251, 10252, 10253, 10254, 10256, 10259, 10272, 10345, 10346
Perdio	10353
Perfekt	10353
Philco	10034, 10044, 10047, 10048, 10049, 10050, 10052, 10058, 10078, 10229, 10252, 10254, 10353



TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
Philips	10029, 10030, 10031, 10032, 10033, 10034, 10035, 10044, 10047, 10048, 10050, 10052, 10058, 10072, 10074, 10104, 10134, 10177, 10187, 10250, 10258, 10282, 10352, 10353
Philips Magnavox	10031, 10034, 10072, 10073
Phoenix	10353
Phonola	10250, 10353
Pilot	10047, 10064, 10229, 10252, 10254, 10259, 10450, 10451, 10452, 10453, 10454
Pioneer	10047, 10049, 10212, 10353
Pionier	10353
Plantron	10353
Plasmsync	10165
Playsonic	10353
Polaroid	10075, 10100, 10109, 10136, 10145, 10190, 10295, 10306, 10310
Polestar	10441
Portland	10047, 10048, 10049, 10053, 10064, 10231, 10252, 10259, 10352
Powerpoint	10353
Praxis	10443
Price Club	10062
Prima	10117, 10148, 10213, 10221, 10291
Princeton	10219, 10286
Prism	10057
Profitronic	10353
Proline	10353
Proscan	10016, 10230
Prosonic	10352, 10353

TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
Protech	10277, 10353
Proton	10047, 10049, 10052, 10248, 10255, 10263, 10272
Protron	10106, 10309
Proview	10120, 10136, 10295
Provision	10353
Pulsar	10020, 10047, 10228, 10252
Pye	10250, 10352, 10353
Qingdao	10455, 10457, 10462
Quasar	10057, 10235, 10264, 10285, 10343
Quelle	10249, 10266, 10281, 10351, 10353, 10437
Radio Shack/Realistic	10016, 10047, 10049, 10052, 10054, 10061, 10064, 10065
Radiola	10250, 10353
Radiomarelli	10353
RadioShack	10016, 10229, 10230, 10234, 10252, 10254, 10256, 10259, 10265, 10272, 10324, 10353
Radiotone	10353
RBM	10266
RCA	10016, 10017, 10018, 10047, 10048, 10049, 10068, 10077, 10081, 10188, 10230, 10238, 10251, 10252, 10345
Realistic	10016, 10229, 10234, 10252, 10254, 10256, 10259, 10265, 10272
Recor	10353
Rectiligne	10353
Reflex	10353
Revox	10353

TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
Rex	10277
RFT	10353
Rhapsody	10246, 10274
R-Line	10353
Roadstar	10277, 10353
Rowa	10429
Runco	10020, 10212, 10218, 10228, 10229, 10254
Ruyi	10457, 10459, 10461
Saige	10457, 10460
Saisho	10277, 10351
Saivod	10353
Sampo	10047, 10049, 10064, 10065, 10161, 10206, 10229, 10254, 10256, 10259, 10263, 10292
Samsung	10026, 10027, 10028, 10047, 10048, 10049, 10052, 10062, 10064, 10065, 10127, 10128, 10132, 10137, 10138, 10168, 10229, 10238, 10252, 10254, 10256, 10258, 10265, 10272, 10277, 10353
Samsux	10259
Sanjian	10462
Sansei	10280
Sansui	10078, 10107, 10236, 10324, 10353
Sanyo	10047, 10048, 10097, 10192, 10202, 10270, 10275, 10345, 10351
Sanyuan	10360, 10362, 10366, 10367, 10368, 10378, 10380, 10457, 10460, 10461
SBR	10250, 10353
Sceptre	10123
Schneider	10353



TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
Scimitsu	10252
Scotch	10049, 10272
Scott	10047, 10049, 10052, 10054, 10055, 10150, 10234, 10252, 10272, 10273
Sears	10016, 10034, 10042, 10044, 10047, 10049, 10055, 10059, 10067, 10160, 10230, 10233, 10265, 10270, 10272, 10273, 10324, 10346
Seg	10277, 10353
SEI	10249, 10353
SEI-Sinudyne	10353
Semivox	10234
Shancha	10457, 10462
Shangguangdian	10445
Shanghai	10359, 10360, 10362, 10363, 10366, 10367, 10368, 10376, 10378, 10380, 10384, 10385, 10386, 10387, 10392, 10457, 10460, 10461, 10462, 10467
Shanshui	10358
Shaofeng	10356, 10360, 10366, 10457, 10459, 10461
Sharp	10022, 10023, 10024, 10025, 10047, 10049, 10052, 10061, 10064, 10103, 10232, 10259, 10268
Shen Ying	10231
Shencai	10362, 10368, 10376, 10384, 10385, 10392, 10460, 10462
Sheng Chia	10232, 10335
ShengCai	10386, 10448
Shengli	10456
Shenyang	10360, 10362, 10368, 10376, 10381, 10382,

TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
	10457, 10460, 10462
Sherwood	10460
Shintoshi	10353
Shivaki	10353
Shogun	10047, 10252
Shuyuan	10422
Siemens	10281, 10353
Signature	10045
Signet	10306
Silva	10353
Silva Schneider	10353
SIM2 Multimedia	10308
Simpson	10050
Singer	10353
Sinudyne	10249, 10353
Sky	10258, 10353
Skygiant	10234
Skyworth	10360, 10368, 10376, 10381, 10382, 10389, 10390, 10392, 10397, 10409, 10413, 10415, 10420, 10432, 10457, 10462
Solavox	10353
Songbai	10460
SongRi	10448
Soniko	10353
Sonitron	10275
Sonneclair	10353
Sonoko	10353
Sonolor	10275
Sontec	10353
Sony	10000, 10001, 10002, 10003, 10004, 10005, 10046, 10071, 10084, 10130, 10172, 10249, 10324, 10351, 10353
Sound & Vision	10352
Soundesign	10047, 10049, 10050, 10054, 10055, 10234,

TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
	10272, 10273
Soundwave	10353
Sova	10309
Sowa	10334, 10338
SOYO	10180, 10319
Spectricon	10248
Spectroniq	10295
Squareview	10042, 10067
Srypton	10353
SSS	10047, 10054, 10234, 10252
Standard	10352, 10353
Starlite	10054, 10234, 10353
Strato	10353
Studio Experience	10222
Sunstar	10353
Sunwood	10353
SuperScan	10041, 10232, 10297
SuperTech	10353
Supre-Macy	10066, 10261
Supreme	10046
SVA	10145, 10247, 10283, 10288
Sylvania	10034, 10035, 10039, 10040, 10041, 10042, 10043, 10044, 10047, 10049, 10050, 10058, 10133, 10229, 10254
Symphonic	10041, 10042, 10054, 10067, 10234, 10324
Synco	10231, 10280, 10329, 10334, 10335, 10339
Syntax	10105, 10243, 10303, 10305, 10311
Syntax-Brillian	10105, 10160
Sysline	10353
Tacico	10231, 10339
Tactus	10348
Tai Wah	10444



TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
Taishan	10360, 10362, 10368, 10370, 10371, 10372, 10373, 10374, 10379, 10457, 10460
Tandy	10232
Tantec	10348
Tashiko	10353
Tatung	10147, 10179, 10241, 10248, 10262, 10264, 10307, 10322, 10331, 10334, 10338, 10348, 10351
TCL	10383, 10384, 10389, 10390, 10398, 10410, 10420, 10425, 10429, 10463
Teac	10277, 10279, 10353
Tec	10353
Tech Line	10353
Technics	10057, 10235
Technol Ace	10273
Technovision	10446
Techview	10223, 10296
Techwood	10047, 10049, 10057, 10248, 10265
Teco	10331, 10335, 10339
Teknika	10034, 10044, 10045, 10047, 10048, 10049, 10050, 10052, 10053, 10054, 10055, 10062, 10064, 10231, 10234, 10238, 10252, 10259, 10265, 10273
Telecaption	10063
Telecor	10353
Telefunken	10027, 10265, 10353
Telefusion	10353
Telegazi	10353
Telesonic	10353

TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
Telestar	10353
Teletech	10353
Television	10353
Tennessee	10353
Tensai	10352, 10353
Tera	10255
Tevion	10353
Texet	10352
Thomas	10324
Thomson	10016, 10353
Thorn	10348, 10353
Thorn-Ferguson	10438
Tiane	10457
TMK	10047, 10049, 10265, 10272
TNCi	10228
TOBO	10460, 10462
Tokai	10352, 10353
Tongguang	10376, 10384, 10385, 10392, 10462
Tophouse	10234
Toshiba	10006, 10007, 10008, 10009, 10062, 10063, 10079, 10082, 10083, 10087, 10090, 10091, 10212, 10233, 10238, 10245, 10257, 10266, 10285
Tosonic	10274
Totevision	10064, 10259
Trans Continens	10353
Transonic	10353
Trical	10268
Trutech	10146
Tuntex	10231, 10330
TVS	10078, 10236
Uher	10352, 10353
Ultra	10278
Ultravox	10353
Unic Line	10353

TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
United	10353
Universal	10056, 10353
Universum	10277, 10281, 10351, 10353
Univox	10353
US Logic	10307
Vector Research	10229, 10254
Vegavox	10439
Vestel	10353
Vexa	10353
Vibrant	10348
Victor	10036, 10059
Video Concepts	10267
Videocon	10436
Videosystem	10353
Vidikron	10034, 10044, 10212, 10276
Vidtech	10047, 10048, 10049, 10252, 10257, 10272
Viewsonic	10094, 10110, 10191, 10203, 10204, 10205, 10206, 10297, 10299, 10314
Viking	10066, 10261
Viore	10149, 10304
Visart	10312
Visco	10157
Vision	10353
Vito	10434
VIZIO	10047, 10094, 10122, 10166, 10241, 10297, 10299, 10322, 10323, 11000
Vortec	10353
Waltham	10353
Wards	10016, 10034, 10044, 10045, 10047, 10048, 10049, 10055, 10056, 10058, 10061, 10229, 10252, 10253, 10254, 10265, 10272, 10273
Warumaia	10458



TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
Watson	10353
Wega	10353
Wega Color	10435
Weipai	10460
Westinghouse	10094, 10098, 10186, 10299
Wharfedale	10353
White Westinghouse	10076, 10078, 10236, 10353
WinBook	10317
Wyse	10316
Xiahua	10360, 10362, 10367, 10368, 10370, 10376, 10380, 10384, 10385, 10390, 10392, 10425, 10457, 10460, 10462
Xiangyang	10376, 10384, 10385, 10392, 10462
Xiangyu	10362, 10368, 10375, 10460
Xihu	10360, 10366, 10367, 10376, 10378, 10380, 10384, 10392, 10422, 10457, 10461, 10462
Xinaghai	10460, 10462
Xingfu	10362, 10368, 10460
Xinghai	10362, 10368, 10376, 10384, 10385, 10392
Xinsida	10467
Xuelian	10359, 10366, 10367, 10378, 10380, 10386, 10387, 10461
Yamaha	10047, 10048, 10049, 10229, 10252, 10254
Yamishi	10353
Yapshe	10341
YingGe	10448, 10460, 10461
Yoko	10277
Yonggu	10460, 10461

TV Codes (including TV/DVD, TV/VCR, TV/DVD/VCR)	
Youlanasi	10457, 10461
Yousida	10460
Yuhang	10362, 10368, 10460
Zenith	10019, 10020, 10021, 10045, 10047, 10069, 10078, 10198, 10228, 10231, 10236, 10245, 10272, 10324
Zhuhai	10362, 10368, 10379, 10460
Zonda	10248

Cable Box Codes (including Cable / PVR Boxes)	
ABC	40030, 40031, 40032, 40034, 40053, 40107, 40126, 40127
Adelphia	40001
Allegro	40038
Antronix	40036, 40037
Apache	40124
Archer	40037, 40038, 40123
AT&T	40003
BBT	40129
Belcor	40125
Bell & Howell	40033
Bell South	40113
Cable Star	40125
Cable Vision	40005
Cabletenna	40036
Cableview	40035
Century	40038
Citizen	40038, 40118
Clearmaster	40112
ClearMax	40112
Colour Voice	40039
Comcast	40000, 40007
Comtronics	40040
Contec	40041

Cable Box Codes (including Cable / PVR Boxes)	
Coolmax	40112
COX	40000
Daeryung	40071
Digi	40117
Director	40007
Dumont	40117
Eastern	40042
Emerson	40123
Everquest	40040, 40108
Focus	40111
Garrard	40038
GC Electronics	40037, 40125
GE	40030, 40031
Gehua	40007
Gemini	40043, 40108, 40123
General Instrument	40007, 40031, 40105
GoldStar	40040, 40109
Goodmind	40123, 40124
Hamlin	40044, 40045
Hitachi	40031
Hytex	40126
Illico	40119
Jasco	40038, 40108
Jerrold	40007, 40031, 40043, 40053, 40067, 40105, 40108
LG	40116
Linsay	40132
Magnavox	40046
MegaCable	40007
Memorex	40047, 40107
Motorola	40000, 40003, 40007, 40072, 40105
Movie Time	40048
Multitech	40112
Multivision	40120
NEC	40033
NET Brazil	40070



Cable Box Codes (including Cable / PVR Boxes)	
Nexus	40124
Nova Vision	40121
Novaplex	40134
NSC	40048
Oak	40041, 40126
Pace	40006, 40110
Panasonic	40051, 40107
Panther	40117
Paragon	40107
Philips	40038, 40039, 40046
Pioneer	40002, 40049, 40071, 40109
Popular Mechanics	40111
Prelude	40124
Proscan	40030, 40031
Pulsar	40107
Quasar	40107
RadioShack	40108, 40112, 40123
RCA	40035
Realistic	40037
Recoton	40111
Regal	40045
Regency	40042
Rembrandt	40031
Rogers	40119
Runco	40107
Samsung	40006, 40040, 40049, 40069, 40109
Scientific Atlanta	40001, 40002, 40003, 40034, 40071, 40106
Signal	40040, 40043, 40108
Signature	40031
SL Marx	40040
Sony	40005, 40114
Standard Component	40050
Starcom	40043, 40053, 40108

Cable Box Codes (including Cable / PVR Boxes)	
Stargate	40040, 40043, 40108, 40123, 40124
Starquest	40043, 40108
StarSight	40131
Supercable	40105
Supermax	40112
Sylvania	40127
Tandy	40128
Telecaption	40130
TeleView	40040
Texscan	40127
TFC	40133
TIME WARNER	40004
Timeless	40040
Tocom	40032
Torx	40115
Toshiba	40107
Trans PX	40105
Tristar	40112
TS	40115
Tusa	40043, 40108
TV86	40048
US Electronics	40105
Unika	40036, 40037, 40038
United Artists	40126
United Cable	40053
Universal	40036, 40037, 40038, 40125
V2	40112
Videotron	40122
View Star	40041, 40046, 40048
Viewmaster	40112
ViewStar	40128
Vision	40112
Vortex View	40112
Zenith	40052, 40068, 40107, 40113
Zentek	40111

Satellite Receiver Codes (including Sat / PVR Boxes)	
AccessHD	40096
Alpha Digital	40096
AlphaStar	40064
Apex Digital	40103
Artec	40092
CaptiveWorks	40088
Channel Master	40097
Chaparral	40056
Coolsat	40089
Coship	40093
Crossdigital	40146
Digital Stream	40102
DirecTV	40014, 40015, 40016, 40017, 40018, 40019, 40020, 40023, 40024, 40025, 40028, 40029, 40054, 40055, 40077, 40078, 40079, 40135, 40136, 40138, 40141
Dish Network System	40008, 40009, 40010, 40011, 40021, 40137, 40139, 40144
Dishpro	40137, 40139, 40144
Drake	40057
Echostar	40008, 40021, 40137, 40139, 40144, 40145
Expressvu	40139, 40144, 40145
GE	40012, 40013, 40098
General Instrument	40058, 40142
GOI	40144
Goodmind	40098
Hisense	40143
Hitachi	40029, 40065
HTS	40144
Hughes Network	40016, 40018, 40019, 40023, 40025, 40054,



Satellite Receiver Codes (including Sat / PVR Boxes)	
Systems	40135
Humax	40090
Ilo	40143
Insignia	40082
Jerrold	40142
JVC	40008, 40021, 40144
Lasonic	40099
LG	40082
Magnavox	40028, 40094
Memorex	40028
MicroGem	40100
Mitsubishi	40023, 40085
Motorola	40140, 40142
Next Level	40142
Panasonic	40017, 40083
Pansat	40086
Paysat	40028
PCT	40097
Philco	40094
Philips	40016, 40023, 40025, 40027, 40028, 40079, 40135
Pioneer	40016
Primestar	40063
Proscan	40012, 40013, 40138
Proton	40143
RadioShack	40142
RCA	40012, 40013, 40014, 40025, 40055, 40073, 40075, 40077, 40078, 40080, 40091
Realistic	40059
Samsung	40016, 40018, 40024, 40025, 40026, 40081
Sharp	40084
Sonicview	40101
Sony	40015, 40022, 40074, 40076, 40136

Satellite Receiver Codes (including Sat / PVR Boxes)	
Star Choice	40140, 40142
STS	40066
STS1	40060
STS3	40061
STS4	40062
Tivax	40096
Tivo	40016, 40025
Toshiba	40019
UltimateTV	40136
Uniden	40028
US Digital	40143
Viewsat	40087
Voom	40142
Winegard	40104
Zenith	40020, 40082
Zentech	40095

PVR Codes	
ABS	20410
Alienware	20410
AT&T	20245
Bang & Olufsen	20412
CyberPower	20410
Dell	20410
DirecTV	20238, 20240, 20241, 20243, 20405, 20406, 20409, 20411
Dish Network	20408
Dishpro	20408
Echostar	20408
Expressvu	20408
Gateway	20410
GOI	20408
Hewlett Packard	20410
Howard Computers	20410
HTS	20408
Hughes Network Systems	20240, 20238, 20241, 20243, 20407
Humax	20238

PVR Codes	
Hush	20410
iBUYPOWER	20410
JVC	20238, 20408
Linksys	20410
Media Center PC	20410
Microsoft	20410
Mind	20410
Niveus Media	20410
Northgate	20410
Panasonic	20245
Philips	20238, 20240, 20241, 20242, 20243, 20407
RCA	20238, 20243, 20407, 20409, 20411
ReplayTV	20244
Samsung	20241, 20243, 20407
Sonic Blue	20244
Sony	20239, 20410
Stack	20410
Systemax	20410
Tagar Systems	20410
Tivo	20238, 20239, 20240, 20242, 20243
Toshiba	20410
Touch	20410
UltimateTV	20411
Viewsonic	20410
Voodoo	20410
ZT Group	20410

Blu-Ray DVD Player Codes	
Denon	20143, 20144
Insignia	20142
LG	20132
Marantz	20145, 20146
Panasonic	20128, 20129, 20130, 20197, 20198
Pioneer	20134, 20147
Samsung	20015, 20125



Blu-Ray DVD Player Codes	
Sharp	20139, 20140, 20141
Sony	20005
VIZIO	22000

DVD Player Codes	
Accele Vision	20137
Accurian	20311
Advent	20288
Aiko	20348
Aiwa	20207
Akai	20161, 20282, 20317
Akishi	20349
Akustic	20348
Alco	20286
Allegro	20306
Alpine	20152
Amphion Media Works	20151, 20330
AMW	20151
Anam	20392
Aodeiong	20358
Apex	20024, 20025, 20026, 20027, 20085, 20111, 20300, 20301
Apple	20189
Arrgo	20307
Aspire	20209, 20290
Astar	20181
ATLM	20369
Audiovox	20106, 20116, 20286
Axion	20162
Bang & Olufsen	20302
Blaupunkt	20136, 20301
Blue Parade	20298
Bose	20076, 20086, 20393, 20394
BOSS	20138
Boston Acoustics	20331
Brand	20383
Broksonic	20007, 20282

DVD Player Codes	
Caixing	20389
California Audio Labs	20284
Cambridge Sound Works	20203
Caravell	20362
CAVS	20210
Changhong	20285, 20345
CineVision	20114, 20306
Clarion	20154
Classic	20131
Coby	20087, 20095, 20123, 20289
Conic	20370
Curtis	20095
Curtis Mathes	20308
CyberHome	20028, 20070, 20307, 20323, 20326
Cytron	20160
Daewoo	20093, 20306, 20317
Dayu	20388
DCS	20363
Denca	20367
Denon	20108, 20115, 20143, 20144, 20284
Desay	20185
Diamond Vision	20237
Dihe	20338
Ding Tian	20342
Disney	20090, 20096
Dual	20172
Durabrand	20309
DVD2000	20295
Dynex	20193
Eclipse	20126
Electrohome	20395
Emerson	20041, 20135, 20283, 20303, 20310
Enterprise	20303
ESA	20182, 20310

DVD Player Codes	
Fisher	20168, 20304
Funai	20310
Gateway	20327
GE	20082, 20296, 20301
Gewang	20361
GFM	20149
Giec	20355
Go Video	20306, 20327, 20396
GoldStar	20167
GPX	20112
Gradiente	20158, 20284
Greenhill	20301
Grundig	20297
Haier	20165, 20340
Haitai	20364
Haoji	20384
Harman/Kardon	20124, 20305
Hisense	20344
Hitachi	20013, 20232
Hiteker	20300
Huabao	20375
Huabaojamo	20334
iLive	20205
Ilo	20159
iLuv	20174
Initial	20159, 20301
Insignia	20142, 20150, 20164, 20202, 20310
Integra	20285, 20298
iSymphony	20190
Jamo	20206
JBL	20104, 20305
Jensen	20171, 20289, 20397
Jieke	20390
Jingewangpai	20375
Jingwei	20336
Jinwang	20377
Jugao	20359





DVD Player Codes	
JVC	20029, 20030, 20031, 20032, 20033, 20034, 20035, 20036, 20037, 20098, 20119, 20195, 20299
Jwin	20169, 20219
Kawasaki	20286
KEF	20398
Kenwood	20386
Kenwood	20122, 20284
Ketai	20376
KLH	20286, 20301
Klipsch	20332
Konka	20316
Koss	20101, 20199, 20292
Lafayette	20351
Landel	20312
Lasonic	20155, 20220, 20399
Legend-V	20365
Lenoxx	20291, 20309
Lexicon	20314
LG	20091, 20100, 20117, 20132, 20180, 20303, 20306
Linshuma	20378
Liquid Video	20292
LiteOn	20102, 20235, 20236, 20311, 20327
Loewe	20313, 20320
Longzhipai	20354
Magnavox	20081, 20142, 20283, 20294, 20297, 20310
Malata	20346
Marantz	20145, 20146, 20297
Maxview	20368
McIntosh	20211
Memorex	20090, 20282
Microsoft	20296
Mintek	20159, 20301

DVD Player Codes	
Mitsubishi	20092, 20295
Mitsui	20353
Mitzu	20348
NAD	20156, 20333
Nakamichi	20170, 20400
Napa	20350
Nesa	20301
Next Base	20312
NexxTech	20187
Niro	20401
Norcent	20095, 20221
Okon	20385
Onkyo	20099, 20110, 20285, 20294
Oppo	20163, 20188
Oritron	20101, 20292
Other Brand	20373
Pai Gao	20360
Panasonic	20016, 20017, 20018, 20019, 20020, 20021, 20022, 20023, 20073, 20075, 20080, 20118, 20128, 20129, 20130, 20197, 20198, 20222, 20229, 20230, 20232, 20233, 20284, 20294
Panda	20379
Parasound	20212
Philco	20286, 20351
Phillips	20006, 20040, 20041, 20081, 20294, 20297, 20314
Pioneer	20042, 20043, 20044, 20045, 20134, 20147, 20234, 20298
Polaroid	20027, 20133, 20208, 20402
Polk Audio	20297
Portland	20317
Power Sound	20348
Prima	20192, 20403
Primas	20335

DVD Player Codes	
Princeton	20315
Proceed	20300
Proscan	20082, 20296
Protron	20213
Pye	20166
Qinghuatongfang	20382
Qisheng	20372
Qixing	20391
Qwestar	20101
RCA	20038, 20039, 20082, 20286, 20296, 20298, 20301
Regent	20291
Rio	20306
Rotel	20214, 20299
Rowa	20287
Royal	20351
Saba	20404
Sampo	20157, 20325, 20328
Samsung	20011, 20012, 20013, 20014, 20015, 20077, 20079, 20083, 20088, 20125, 20176, 20191, 20231, 20284
Sansui	20127, 20282
Sanyo	20200, 20282, 20304
Sast	20336
Sensory Science	20327
Shanshui	20374
Sharp	20120, 20139, 20140, 20141, 20204, 20328
Sharper Image	20323
Sherwood	20203, 20317
Shinco	20136
Shinsonic	20159, 20293
Shumaling	20337
Sigma Designs	20315
Skyworth	20375
Sonashi	20356



DVD Player Codes	
Sonic Blue	20306, 20396
Sonico	20352
Sony	20000, 20001, 20002, 20003, 20004, 20005, 20071, 20074, 20078, 20084, 20089, 20177, 20178, 20179, 20194, 20223, 20224, 20225, 20293
Sowa	20347
Spectroniq	20215
Sungale	20184
Superscan	20103, 20283
Supersonic	20351
SVA	20319
Sylvania	20041, 20103, 20148, 20149, 20283, 20310, 20329
Symphonic	20103, 20183
Tatung	20366
TCL	20371
Teac	20136, 20286
Technics	20284
Techwood	20153
Terapin	20321
Theta Digital	20298
Tianli	20343
Toshiba	20006, 20007, 20008, 20009, 20010, 20072, 20105, 20109, 20121, 20196, 20226, 20227, 20228, 20282, 20294
Tredex	20318
Trutech	20186, 20218
Tsinghvatongfang	20357
Tview	20173
Urban Concepts	20294
US Logic	20159
Venturer	20201, 20286
Victor	20380
VIZIO	20322, 20324,

DVD Player Codes	
	22000
Vocopro	20175, 20216
VocoStar	20217
Wanbao	20355
Wanyan	20346
Weifa	20381
Westinghouse	20113
Xbox	20296
Xianpai	20338
Xindai	20387
Yamaha	20016, 20107, 20284, 20297
YMT	20356
Youbishen	20341
Yuxing	20339
Zenith	20091, 20094, 20097, 20294, 20303, 20306

Amplifier / Receiver / Tuner Codes	
Accurian	30164
ADA	30165
ADC	30133
Adcom	30104
Aiwa	30087, 30162, 30260
Alco	30139
Altec Lansing	30166
AMC	30167
Amphion Media Works	30140, 30145
Amplifier Technologies	30200
AMW	30140
Anam	30135, 30149
Antex	30168
Apex	30099
Apple	30169
Aragon	30201
Atlantic Technology	30170
Audio Access	30202
Audio Authority	30203

Amplifier / Receiver / Tuner Codes	
Audio Tron	30171
Audiophase	30204
AudioSource	30205
Audiotronic	30136
Audiovox	30098, 30139
B & K	30105
Bang & Olufsen	30144
Blaupunkt	30206
Bondstec	30207
Bose	30062, 30076, 30150, 30151, 30261
Boston Acoustics	30146
Cambridge Soundworks	30121
Capetronic	30133, 30208
Carver	30136, 30162
Casio	30209
Celestion	30210
Clarion	30211
Classic	30109
Clatronic	30212
Coby	30092, 30213, 30262
Compaq	30172
Creative	30173
Crown	30214
Curtis	30103, 30215
Curtis Mathes	30129
Daewoo	30216
DBX	30174
Dell	30217
Delphi	30218
Denon	30051, 30052, 30053, 30054, 30055, 30102
D-Link	30175
EAD	30219
Eclipse	30220
Elan	30176
Electrohome	30152
Emerson	30112, 30256



Amplifier / Receiver / Tuner Codes	
Fahrenheit	30221
Felston	30177
Fonmix	30163
Fosgate	30170
GE	30046, 30128
Go Video	30153
GPX	30100, 30257
Griffin	30178
Hanwah	30222
Harman/Kardon	30130, 30162
iHome	30263
iLive	30124
iLuv	30258
Imerge	30179
Inkel	30223
Insignia	30120
Insten	30180
Integra	30132
iPort	30181
iSymphony	30125, 30258
Jamo	30126
JBL	30097
Jensen	30154
Jerrold	30182
JVC	30031, 30032, 30033, 30034, 30035, 30259
Jwin	30265
KEF	30155
Kenwood	30036, 30037, 30038, 30039, 30040, 30065, 30071, 30077, 30137
KLH	30139
Klipsch	30147
Koss	30117, 30138
Krell	30110
Lasonic	30156
Left Coast	30130
Lexicon	30224
LG	30093, 30264

Amplifier / Receiver / Tuner Codes	
Ligitek	30183
Linn	30162
Luxman	30184
LXI	30225
Magnadyne	30226
Magnat	30227
Magnavox	30066, 30133, 30136, 30162
Magnum Dynalab	30228
Marantz	30106, 30130, 30136, 30162
Mark Levinson	30185
Matrix Audio	30229
MCE	30230
McIntosh	30111
Mediacom	30231
Memorex	30186
Meridian	30232
Micromega	30233
Mitsubishi	30096
Motorola	30234
Musical Fidelity	30235
NAD	30143, 30148
Nakamichi	30142, 30157
NEC	30131, 30236
Netgear	30187
Nikko	30237
Niles	30238
Niro	30158
Nubert	30188
Nuvo	30239
Olive	30189
Omnifi	30190
Onkyo	30041, 30042, 30043, 30044, 30045, 30067, 30069, 30070, 30075, 30080, 30091
Optimus	30129, 30133, 30134, 30135
Oritron	30138
Panasonic	30019, 30020,

Amplifier / Receiver / Tuner Codes	
	30021, 30022, 30023, 30115, 30116, 30255
Parasound	30113
Penney	30240
Performance Technique	30241
Philips	30094, 30130, 30136, 30162
Pioneer	30024, 30025, 30026, 30027, 30028, 30029, 30030, 30060, 30063, 30078, 30127, 30129, 30133, 30134
Polaroid	30159
Polk Audio	30107, 30130, 30162
Prima	30160
Primare	30242
Proscan	30046
RCA	30046, 30047, 30048, 30049, 30088, 30129, 30133, 30134, 30135, 30139
Revox	30243
Rio	30141
Roku	30191
Russound	30244
Saba	30161
Samsung	30073
Sangean	30245
Sansui	30162, 30246
Sanyo	30118
Sharp	30101, 30122, 30259
Sherwood	30089, 30123
Shure	30131
Sil	30247
Sonic Blue	30141, 30153
Sony	30000, 30001, 30002, 30003, 30004, 30005, 30006, 30007, 30056, 30057, 30058, 30059, 30061, 30064, 30074, 30077,



Amplifier / Receiver / Tuner Codes	
	30082, 30083, 30084, 30085, 30086
Soundesign	30128
Soundmatters	30114
Soundstream	30248
Spatializer	30192
SpeakerCraft	30249
Stereophonics	30134
Sunfire	30137
SuperTech	30250
Teac	30135, 30139, 30258
Technics	30022, 30050
Techwood	30251
Teknika	30193
Thorens	30136
Tivoli Audio	30194
Topline	30252
Toshiba	30108
Universum	30253
Vector Research	30254
Velodyne	30195
Venturer	30119, 30139
Wards	30127, 30128, 30162
Xantech	30196
Xitel	30197
Yamaha	30008, 30009, 30010, 30011, 30012, 30013, 30014, 30015, 30016, 30017, 30018, 30068, 30072, 30079, 30081, 30095, 30132
Zektor	30198
Zenith	30090
Zon	30199

Audio Accessory Codes (including CD Players and Soundbars)	
Acoustic	30294

Audio Accessory Codes (including CD Players and Soundbars)	
Research	
ADC	30291
ADS	30295
Aiwa	30283
Akai	30292
ASI	33000
Audiophase	30282
Bose	30284
California Audio Labs	30296
Cambridge Audio	30297
Capetronic	30298
Carrera	30299
Carver	30300, 30331, 30332
Cary Audio Design	30301
CCE	30302
Clarion	30303
Classic	30304
Coby	30287
Cox Cable	33001
Creative	30305
DBX	30306
Denon	30267
Direct TV	33002
Dish Network	33003
DKK	30328
DMX Electronics	30331
Dynamic Bass	30332
Emerson	30279
Garrard	30307
Genexxa	30329
GPX	30280
Harman/Kardon	30273
Hitachi	30308
iHome	30288
iLuv	30286
Inkel	30309

Audio Accessory Codes (including CD Players and Soundbars)	
iSymphony	30286
JVC	30269, 30281
Jwin	30290
Kenwood	30310, 30330
KLH	30311
Koss	30312
Krell	30331
LG	30289
Linn	30331
Luxman	30293
Magnavox	30313
Marantz	30314
Mark Levinson	30315
McIntosh	30316
Memorex	30317
Miro	30328
Mission	30331
Musical Fidelity	30318
NAD	30319
Nakamichi	30320
NEC	30321
Nikko	30322
NSM	30331
Onkyo	30268
Optimus	30328, 30329, 30332
Panasonic	30278
Philips	30275, 30276
Pioneer	30272
Polk Audio	30331
Proton	30331
QED	30331
Quad	30331
RCA	30266
Realistic	30332
Rotel	30331
SAE	30331
Samsung	30323
Sansui	30331



Audio Accessory Codes (including CD Players and Soundbars)	
Sanyo	30324
SAST	30331
Sharp	30281
Sherwood	30325
Silsonic	30330
Sonic Frontiers	30331
Sony	30270, 30271, 30274
Super Atlas	33004
TAG McLaren	30331
Teac	30286
Technics	30277
Techwood	30326
Tivoli Audio	30327
VIZIO	33005
Wards	30331
Yamaha	30285
Zonda	30331

VCR Codes	
ABS	20410
Adventura	20050, 20250
Aiwa	20050, 20250
Akai	20061
Alienware	20410
American High	20249
Apex	20415
Asha	20054, 20247
Audio Dynamics	20058
Audiovox	20248, 20267
Beaumarck	20054, 20247
Bell & Howell	20246
Broksonic	20279
Calix	20248
Candle	20247, 20248
Canon	20249
CineVision	20280
Citizen	20247, 20248, 20420

VCR Codes	
Colortyme	20058
Colt	20417
Craig	20054, 20247, 20248
Curtis Mathes	20058, 20247, 20249
Cybernex	20054, 20247
CyberPower	20410
Daewoo	20060, 20250, 20420
Davidson	20050
DBX	20058
Dell	20410
Denon	20055
DIRECTV	20407
Durabrand	20067
Dynatech	20050, 20250
Electrohome	20052, 20248
Electroponic	20248
Emerson	20050, 20052, 20062, 20248, 20249, 20250, 20420
Fisher	20246
Fuji	20249
Funai	20050, 20062, 20250
Garrard	20050, 20250
Gateway	20410
GE	20054, 20247, 20249, 20418
Go Video	20054
GoldStar	20058, 20066, 20248, 20419
Gradiente	20050, 20250
Harley Davidson	20250
Harman/Kardon	20058
Headquarter	20246
Hewlett Packard	20410
Hitachi	20050, 20055
Howard Computers	20410
Hughes Network	20055, 20407

VCR Codes	
Systems	
Humax	20407
Hush	20410
iBUYPOWER	20410
Instant Replay	20249
JC Penney	20058, 20246, 20247, 20248, 20249
JCL	20249
JVC	20056, 20057, 20058, 20246, 20254, 20264, 20265, 20266, 20268, 20269, 20270, 20271
Kenwood	20058, 20246
Kodak	20248, 20249
LG	20248
Linksys	20410
Lloyd's	20050, 20250
LXI	20248
Magnasonic	20062, 20420
Magnavox	20050, 20062, 20067, 20069, 20249
Magnin	20054, 20248, 20418
Marantz	20058, 20246, 20249
Marta	20248
Matsushita	20249
Media Center PC	20410
MEI	20249
Memorex	20050, 20054, 20067, 20246, 20247, 20248, 20249, 20250, 20414, 20416, 20419
MGA	20052, 20054, 20418
MGN Technology	20054, 20247
Microsoft	20410
Mind	20410
Minolta	20055
Mitsubishi	20052, 20255



VCR Codes	
Motorola	20249
MTC	20050, 20054, 20247
Multitech	20050, 20247, 20250
NEC	20058, 20246
Nikko	20248
Niveus Media	20410
Noblex	20054, 20247
Northgate	20410
Olympus	20249
Optimus	20062, 20248, 20416
Optonica	20065
Orion	20258, 20414
Panasonic	20017, 20018, 20019, 20046, 20249, 20273, 20274, 20413, 20416
Penney	20054, 20055, 20418, 20419
Pentax	20055
Philco	20249
Philips	20065, 20249, 20256, 20278, 20407
Philips Magnavox	20256
Pilot	20248
Polaroid	20415
Profitronic	20054
Pulsar	20067
Pye	20281
Quarter	20246
Quartz	20246
Quasar	20249, 20416
RadioShack	20050, 20065, 20248, 20249, 20065, 20246, 20247, 20250
Radix	20248

VCR Codes	
Randex	20248
RCA	20053, 20054, 20055, 20247, 20249, 20252, 20275, 20276, 20418
Realistic	20050, 20065, 20246, 20247, 20248, 20249, 20250, 20065
ReplayTV	20413
Ricavision	20410
Runco	20067
Samsung	20054, 20059, 20060, 20061, 20247, 20263, 20277, 20407
Sanky	20067
Sansui	20050, 20258, 20414
Sanyo	20054, 20246, 20247, 20418
Scott	20052, 20060
Sears	20050, 20055, 20246, 20248, 20249, 20419
Sharp	20064, 20065, 20257
Shogun	20054, 20247
Singer	20249
Sonic Blue	20413
Sony	20047, 20048, 20049, 20050, 20251, 20253, 20260, 20261, 20262, 20272, 20410
Stack	20410
STS	20055, 20249
SuperScan	20063
Sylvania	20050, 20052, 20062, 20063, 20249, 20250
Symphonic	20050, 20062, 20063, 20250
Systemax	20410

VCR Codes	
Tagar Systems	20410
Tandy	20246
Tashiko	20248
Teac	20050, 20250
Technics	20249
Teknika	20050, 20248, 20249, 20250
Thomas	20050
Tivo	20407
TMK	20054, 20247
Toshiba	20051, 20052, 20060, 20259, 20410
Totevision	20054, 20247, 20248
Touch	20410
Unitech	20054, 20247
Vector	20060
Vector Research	20058
Video Concepts	20058, 20060
Videosonic	20054, 20247
Viewsonic	20410
Villain	20050
Voodoo	20410
Wards	20050, 20054, 20055, 20065, 20247, 20248, 20249, 20250
XR-1000	20050, 20249, 20250
Yamaha	20058, 20246
Zenith	20050, 20066, 20067, 20068
ZT Group	20410



## Chapter 10 Maintenance and Troubleshooting

### Cleaning your HDTV and Remote Control

1. Remove the power cable from the wall outlet.
2. Use a soft cloth moistened with diluted neutral cleaner to clean your HDTV and remote control. VIZIO recommends using an HDTV cleaning solution which can be purchased at any major retailer.
3. Wring water out of the cloth before cleaning to prevent water from penetrating into the housing.
4. Wipe your HDTV 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 paint 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 your HDTV fails or the performance changes dramatically, check the following troubleshooting guide for possible solutions. 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](mailto:techsupport@VIZIO.com).

#### TV/Display Troubleshooting

Issue	Solution
<b>"No Signal" is shown on display</b>	<ul style="list-style-type: none"> <li>• Press <b>INPUT</b> to select the correct input source for the device you are attempting to use.</li> <li>• Insure that the desired device is powered ON.</li> <li>• Check the connections of external devices that may be connected to your HDTV</li> <li>• Check video/device cable integrity. Try another cable (HDMI, Component, AV/Composite, Coax etc.)</li> </ul>
<b>"No RGB Signal. Power will be turned off" is shown on display</b>	<ul style="list-style-type: none"> <li>• When using the RGB Input to connect to a computer, insure that a supported PC desktop resolution is first selected.</li> <li>• If no computer is connected, press <b>INPUT</b> to select a different input source.</li> <li>• Note: If no computer is connected, and the input is not changed, the television will power off.</li> </ul>
<b>No power (VIZIO logo is off)</b>	<ul style="list-style-type: none"> <li>• Make sure your AC power cable is securely connected to the back of the television and wall outlet.</li> <li>• Plug another electrical device into the outlet to insure the outlet is working correctly.</li> <li>• Try another electrical outlet elsewhere in your home. Preferably on a different circuit.</li> <li>• Try another AC power cable. Any standard 3 prong, grounded, UL approved computer power cable can provide power to your television.</li> </ul>



Issue	Solution
<p><b>Power is ON but there is no image on the screen / Black screen</b></p>	<ul style="list-style-type: none"> <li>• Make sure the power is ON (VIZIO Logo glows white).</li> <li>• Make sure all cables attached to your HDTV are connected to the correct output of your external device.</li> <li>• Insure that the external device is powered ON</li> <li>• Adjust brightness, contrast or backlight.</li> <li>• Press <b>INPUT</b> to select the correct input source.</li> <li>• Note: Your HDTV will display the television station or program selected by the cable box, VCR, external tuner, or satellite receiver. Use the remote control that came with that component to change programs or channels</li> <li>• Perform a power cycle by: Removing the AC power cable from the back of your television for 30 seconds. Reinsert the power cable and power on the television</li> </ul>
<p><b>Wrong or abnormal colors/patterns</b></p>	<ul style="list-style-type: none"> <li>• Check color and tint settings in the <i>Picture Menu</i>.</li> <li>• Reset Picture settings to default in the <i>Picture Menu</i>.</li> <li>• Check the video settings and compatibility of external devices</li> <li>• Check the video cables of external devices to make sure they are securely connected at both ends.</li> <li>• Try another device on the same input.</li> <li>• If you are using an antenna, the signal strength of the channel may be low. Make sure your antenna is connected securely to your HDTV and move the antenna to an alternate location in the room or close to a window.</li> <li>• Perform a power cycle by: Removing the AC power cable from the back of your television for 30 seconds. Reinsert the power cable and power on the television.</li> </ul>
<p><b>Side Control buttons do not work</b></p>	<ul style="list-style-type: none"> <li>• Press only one button at a time.</li> <li>• Perform a power cycle by: Removing the AC power cable from the back of your television for 30 seconds. Reinsert the power cable and power on the television</li> </ul>
<p><b>Poor image quality</b></p>	<ul style="list-style-type: none"> <li>• Standard Definition images will always be noticeably inferior to HD Quality content. Press <b>INFO</b> to see what the current resolution of the image is. 720p, 1080i, and 1080p are all HD quality resolutions.</li> <li>• Check the video settings of your external device.</li> <li>• If you are using an antenna, the signal strength of the channel may be low. Make sure your antenna is connected securely to your HDTV and move the antenna to an alternate location in the room or close to a window.</li> <li>• Reset Picture settings to default in the <i>Picture Menu</i>.</li> <li>• Check video/device cable integrity. Try another cable (HDMI, Component, AV/Composite, Coax etc.)</li> <li>• Perform a power cycle by: Removing the AC power cable from the back of your television for 30 seconds. Reinsert the power cable and power on the television.</li> </ul>
<p><b>Distorted image or unusual sound</b></p>	<ul style="list-style-type: none"> <li>• Check video/device cable integrity. Try another cable (HDMI, Component, AV/Composite, Coax etc.)</li> <li>• Try the external device on another input.</li> <li>• Perform a power cycle by: Removing the AC power cable from the back of your television for 30 seconds. Reinsert the power cable and power on the television.</li> <li>• Interference from electrical appliances, cars, motorcycles, or fluorescent lights may affect television performance. If possible, move your HDTV to an alternate location within your home.</li> </ul>





Issue	Solution
<p><b>Display image does not cover the entire screen/ Black bars on the top or side of the image</b></p>	<ul style="list-style-type: none"> <li>• Go to the <b>Wide</b> menu in <i>HDTV Settings</i> to view the available aspect modes</li> <li>• Check the video settings of your external device.</li> <li>• If using the RGB input (Computer), a supported PC desktop resolution must be used.</li> <li>• If using the RGB input (Computer), Go to the Picture menu and select Auto Adjust to fit the PC desktop to your HDTV..</li> <li>• Note: Depending on the resolution of the content being viewed, some modes may not be available.</li> </ul>
<p><b>Your HDTV has pixels (dots) that are always dark or colored</b></p>	<ul style="list-style-type: none"> <li>• Check video/device cable integrity. Try another cable (HDMI, Component, AV/Composite, Coax etc.)</li> <li>• Check other Inputs and external devices.</li> <li>• Remove all external devices to see if issue remains.</li> <li>• Perform a power cycle by: Removing the AC power cable from the back of your television for 30 minutes to 1 hour. Reinsert the power cable and power on the television</li> </ul>
<p><b>Image “noise/fuzz”</b></p>	<ul style="list-style-type: none"> <li>• When your HDTV’s capabilities exceed a digital broadcast signal, the signal is up-converted (increased) to match your TV’s display capabilities. Up-converting can cause image “noise” or “fuzz”.</li> <li>• If you are using an antenna, the signal strength of the channel may be low. Make sure your antenna is connected securely to your HDTV and move the antenna around the room or close to a window.</li> <li>• Check the video settings of your external device.</li> <li>• Check video/device cable integrity. Try another cable (HDMI, Component, AV/Composite, Coax etc.)</li> <li>• Try the device on another input.</li> <li>• Perform a power cycle by: Removing the AC power cable from the back of your television for 30 seconds. Reinsert the power cable and power on the television.</li> </ul>
<p><b>Aspect mode differs on each input</b></p>	<ul style="list-style-type: none"> <li>• Your HDTV retains the viewing mode from the last time you used a particular input (AV, Component, HDMI and TV).</li> </ul>
<p><b>Tips for High-Definition Users</b></p>	<ul style="list-style-type: none"> <li>• Your HDTV is an ideal platform for viewing High Definition Content.</li> <li>• Best image quality will be achieved by using an HDMI cable and input. The next best is Component, followed by Composite. Note: Composite (AV and S-Video inputs) cannot carry an HD quality image signal.</li> <li>• Due to variances in broadcast practices, it is possible some image distortions can occur.</li> </ul>
<p><b>Tips for Letterbox Content</b></p>	<ul style="list-style-type: none"> <li>• 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. To use this function, select <b>Wide</b> from your <i>HDTV Settings App</i>.</li> </ul>



### Audio Troubleshooting

Issue	Solution
<b>No audio</b>	<ul style="list-style-type: none"> <li>• Press <b>Volume +</b> (Up) on the remote control or side of your HDTV.</li> <li>• Press <b>MUTE</b> on the remote control to make sure that MUTE is not ON.</li> <li>• Check the <b>MTS Audio</b> settings in the <i>Tuner</i> menu to insure they are set to <b>Stereo/English</b>. ( TV input only )</li> <li>• Verify that your HDTV Speakers are <b>On</b> in the <i>Audio</i> menu.</li> <li>• Check the video/device cable integrity. Try another cable (HDMI, Component, AV/Composite, Coax etc.)</li> <li>• Change audio settings of the external device.</li> <li>• If you are using an antenna, the signal strength of the channel may be low. Make sure your antenna is connected securely to your HDTV and move the antenna to an alternate location in the room or close to a window.</li> </ul>
<b>Audio volume differs on each input</b>	<ul style="list-style-type: none"> <li>• Your HDTV will retain the last used volume level for each input.</li> </ul>
<b>Low audio volume (TV internal speakers)</b>	<ul style="list-style-type: none"> <li>• Press the Volume up on the remote control.</li> <li>• Increase the volume of the external device using that device's remote.</li> </ul>
<b>Distorted/popping audio</b>	<ul style="list-style-type: none"> <li>• Check video/device cable integrity. Try another cable (HDMI, Component, AV/Composite, Coax etc.)</li> <li>• Insure audio cables are tightly inserted into inputs.</li> <li>• Try another device.</li> <li>• Use another device input.</li> </ul>

### Remote Control Troubleshooting

Issue	Solution
<b>The remote control will not work</b>	<ul style="list-style-type: none"> <li>• Point the remote control directly at the remote sensor on your TV (IR mode only).</li> <li>• Remove any obstacles between the remote control and the remote sensor (IR mode only).</li> <li>• Replace dead batteries with new ones.</li> </ul>
<b>The remote control will not adjust TV Volume.</b>	<ul style="list-style-type: none"> <li>• Check the <b>Advanced Audio</b> menu located in the <i>OSD</i>. Audio control must be set to <b>TV</b>.</li> </ul>
<b>Channel Up and Down buttons will not work.</b>	<ul style="list-style-type: none"> <li>• In the <i>OSD</i> select <b>Tuner</b>, then refer to <b>TV Menu...Auto Search</b> on Page 42 for more detail. This must be performed before attempting to change channels.</li> </ul>

### Media Viewer Troubleshooting

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



## 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, 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](mailto: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

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](http://www.VIZIO.com)

## Compliance

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

**USA:** UL

**Canada:** CSA

**Germany:** VDE

**UK:** BASE/BS

**Japan:** Electric Appliance Control Act

## 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 power cord, if any, must be used in order to comply with the emission limits.
3. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. It is the responsibilities of the user to correct such interference.



## Chapter 11 Specifications

Specifications					
Panel	46.96" (1193mm) Diagonal, 16:9 Aspect Ratio				
Resolution	1920 x 1080 pixels				
Pixel (Dot) Pitch	0.5415mm(H) x 0.5415mm(V)				
Display Compatibility	FHDTV (1080P)				
Colors	1.06 Billion				
Brightness cd/m <sup>2</sup> (typical)	500nits				
Contrast	Smart Dimming: 2 Million:1				
Response Time	5ms G to G				
Viewing Angle	178° (horizontal/vertical)				
Inputs	<table border="1"> <thead> <tr> <th>Rear Inputs</th> <th>Side Inputs</th> </tr> </thead> <tbody> <tr> <td>                     3x HDMI                      1x DTV/TV                      1x RGB PC                      1x Component Video with stereo audio                      1x Composite Video (AV1) with stereo audio                      1x S-Video                 </td> <td>                     1x Component and 1x Composite Video (AV2) with shared stereo audio                      1x HDMI                      1x Media Port (USB)                 </td> </tr> </tbody> </table>	Rear Inputs	Side Inputs	3x HDMI 1x DTV/TV 1x RGB PC 1x Component Video with stereo audio 1x Composite Video (AV1) with stereo audio 1x S-Video	1x Component and 1x Composite Video (AV2) with shared stereo audio 1x HDMI 1x Media Port (USB)
Rear Inputs	Side Inputs				
3x HDMI 1x DTV/TV 1x RGB PC 1x Component Video with stereo audio 1x Composite Video (AV1) with stereo audio 1x S-Video	1x Component and 1x Composite Video (AV2) with shared stereo audio 1x HDMI 1x Media Port (USB)				
Outputs	1x S/PDIF Optical Digital Audio, 1x Stereo Audio				
Features	1080P FHDTV, HDMI v1.3a, 3D comb filter, Zero bright pixel guarantee, Dynamic Contrast Ratio technology, Smart Dimming Technology, HD game port, Game mode, Noise reduction, 10-bit video processing, MTS stereo decoder, Digital amplifier, Dolby Digital for ATSC/QAM, Channel skip, Signal Compatibility:480i (SDTV), 480P (EDTV), 720P (HDTV), 1080i (HDTV), 1080P (FHDTV), Video/input naming capability, Closed caption, Parental control/V-Chip 2.0, Programmable Timer, PIP/POP, SRS TSHD, SRS TruVolume, Multimedia. ATSC/Clear QAM tuner, NTSC video decoding via RF or composite video, 3:2 or 2:2 reverse pull-down, Motion adaptive de-interlace, Progressive video scan via component video/VGA/HDMI, HDTV via HDMI or component video, FHDTV via HDMI or component video, Color temperature adjustments of 6500K/9300K/11000K, Independent Red/Green/Blue adjustments for color temperature fine tuning, Signal Compatibility 480i (SDTV), 480P (EDTV), 720P (HDTV), 1080i (HDTV), 1080P (FHDTV), Computer support at 640x480/800x600/1024x768/1360x768/1920x1080 via VGA, Computer support at 640x480/1280x720/1920x1080 via HDMI				
Special Features	<ul style="list-style-type: none"> <li>MEMC, 120Hz panel + local dimming LED panel-direct BL</li> <li>SRS TruVolume, SRS TSHD</li> <li>Multimedia port</li> </ul>				
Speakers	2xBuilt-in, 15W Speakers				
Panel Life	40,000 hours to half the original brightness				
<b>Power</b>					
Input	IEC Connector for direct power line connection				
Voltage Range	100~240Vac at 50/60Hz				
Power Consumption	93W (Avg), 0.37W standby				



Environmental Conditions	
Operating	Temperature: 5°C~35°C, Relative Humidity: 20~80%, Altitude: 0~14,000 ft
Non-Operating	Temperature: -20°C~50°C, Relative Humidity: 10~70%, Altitude: 0~40,000 ft
Dimensions	43.85" x 29.67" x 10.04" with stand; 43.85" x 28.15" x 4.6" without stand (1114 x 754 x 255 mm with stand; 1114 x 715 x 117 mm without stand)
Net Weight	55.2 lbs with stand; 50.0 lbs without stand (25 kg with stand; 22.7 kg without stand)
Gross Weight	71.43 lbs (32.4 kg)
Certifications	CSA, CSA-US, FCC Class B, Bets-7, AV Safety certificate 60065
Compliances	Energy Star 3.0. ATSC Spec A/65, EIA/CEA-766-A

\*Product specifications may change without notice or obligation.

**Note:** The Federal Communications Commission (FCC), the Consumer Electronics Association (CEA) and the Consumer Electronics Retailers Coalition (CERC) have made a new tip sheet available for digital television (DTV) retailers to reproduce and distribute to consumers on the sales floor. The file may be downloaded online at [www.dtv.gov](http://www.dtv.gov). While you're there, check out the other useful information in the FCC is making available to consumers interested in learning more about the analog to digital transition.

### Preset PC Resolutions

If connecting to a PC through the RGB PC input, set your HDTV 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. Also see Resolution through RGB Input chart below for the best resolution available through RGB PC input when video card supports 1920x1080 resolution.

Mode No.	Resolution	Refresh Rate (Hz)	Horiz. Freq (KHz)	Vert Freq (Hz)	Horiz Sync Polarity (TTL)	Vert Sync Polarity (TTL)	Pixel Rate (MHz)	Remark
1	640 x 480	60	31.469	59.941	N	N	25.175	Windows
2	640 x 480	75	37.500	75.000	N	N	31.500	Windows
3	800 x 600	60	37.879	60.317	P	P	40.000	Windows
4	800 x 600	72	48.077	72.188	P	P	50.000	Windows
5	800 x 600	75	46.875	75.000	P	P	49.500	Windows
6	1024 x 768	60	48.363	60.004	N	N	65.000	Windows
7	1024 x 768	70	56.476	70.069	N	N	75.000	Windows
8	1024 x 768	75	60.023	75.029	P	P	78.750	Windows
9	720 x 400	70	31.469	70.087	N	P	28.322	DOS
10	□ 1920 x 1080	60	66.587	59.934	P	N	138.50	Windows

**Note:** P: positive, N: negative, □: Primary mode



### Resolution through RGB Input

If your PC supports VESA Reduced Blanking timing via the VGA card drive program (usually offered by the VGA Card Manufacturer), your TV set is equipped to have the 1920 x 1080 resolution display through this connection using the following timing 138.5MHz. The following parameters are often the values required by the software or programs to set up the display:

Parameters	Horizontal Values (Pixels)	Vertical Values (Lines)
Address	1920	1080
Front Porch	48	3
Sync Width	32	5
Back Porch	80	23
Total	2080	1111
Frequency	66.587 kHz	58.934 Hz
Sync Polarity	P	N
Pixel Rate (MHz)	138.5	
Refresh Rate (Hz)	59.934	



# ONE-YEAR LIMITED WARRANTY ON PARTS AND LABOR

*Covers units purchased as new in United States and Puerto Rico Only*

VIZIO provides a warranty to the original purchaser of its products against defects in materials and workmanship for a period of one year of non-commercial usage and ninety (90) days of commercial use. If a VIZIO product is defective within the warranty period, VIZIO will either repair or replace the unit at its sole option and discretion.

To obtain warranty service, contact VIZIO Technical Support via email: [TechSupport@VIZIO.com](mailto:TechSupport@VIZIO.com) or via phone at 877 MY VIZIO (877.698.4946) from 6:00AM to 9:00PM Monday through Friday and 8:00AM to 4:00PM Saturday and Sunday, Pacific Time, or visit [www.VIZIO.com](http://www.VIZIO.com). Proof of purchase in the form of a purchase receipt or copy thereof is required.

## Parts and Labor

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

## Types of Service

Units 30" or larger will usually be serviced in-home. In-home service requires complete and easy access to the unit and does not include de-installation or re-installation of the product. However, in some cases, it may be necessary to send the unit to a VIZIO service center. VIZIO will cover the transportation charges to and from the same customer location.

Units less than 30" must be sent to a VIZIO service center. VIZIO is not responsible for transportation costs to the service center, but VIZIO will cover return shipping to the customer. **PRE-AUTHORIZATION IS REQUIRED BEFORE SENDING ANY UNIT IN FOR SERVICE.**

Any returns to VIZIO's service centers must utilize either the original carton box and shipping material or a replacement box and material provided by VIZIO. VIZIO technical support will provide instructions for packing and shipping the unit to the VIZIO service center.

## Limitations and Exclusions

VIZIO's one-year limited warranty only covers defects in materials and workmanship. Items not covered include but are not limited to cosmetic damage, normal wear and tear, misuse, signal issues, power surges, and damages from shipping, acts of God, any sort of customer misuse, installation, customer modifications, adjustments, and set-up issues. Units with unreadable or removed serial numbers, "image burn-in", and routine maintenance are not covered. This warranty does not cover products sold "AS IS", "FACTORY RECERTIFIED", or by a non-authorized reseller.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE LISTED OR DESCRIBED ABOVE. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED IN DURATION TO THE PERIOD OF TIME SET FORTH ABOVE. VIZIO'S TOTAL LIABILITY FOR ANY AND ALL LOSSES AND DAMAGES RESULTING FROM ANY CAUSE WHATSOEVER 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 LASTS OR THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC



LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE. THIS WARRANTY IS SUBJECT TO CHANGE WITHOUT NOTICE. CHECK [www.VIZIO.com](http://www.VIZIO.com) FOR THE MOST CURRENT VERSION.

### Personal Data

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

### Zero Bright Pixel Defect Guarantee

This policy covers “zero bright pixel” defects for the duration of the limited “ONE YEAR WARRANTY” on select new product purchases. To determine if this guarantee applies to your product, refer to the “DETAILS” tab of the model’s product information page ([www.VIZIO.com](http://www.VIZIO.com)) or look for the “zero bright pixel” guarantee on the box.

## 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](mailto: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. Note that holiday hours may vary. For up to date information, visit [www.VIZIO.com](http://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. 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. 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 unrepairable.**

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. 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. Read VIZIO's Limited Product Warranty for warranty terms and conditions.

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



## Index

Accessories.....	9	Satellite Box.....	23
Adjustments		HDTV Location.....	10
Advanced.....	37	Home Theater	
Channel.....	12	Connecting.....	30
Selecting the Screen Size.....	16, 49	Horizontal/Vertical Position adjustments.....	46
Volume.....	12	Input Source	
Audio Menu.....	40	Choosing.....	19
Analog Audio Out adjustments.....	41	Inputs	
Audio Mode adjustments.....	40	Antenna.....	4
Balance adjustments.....	40	Installation services.....	9
Digital Audio Out.....	40	Maintenance of TV.....	71
Equalizer adjustments.....	40	Media Port.....	32
Lip Sync adjustments.....	41	Music Settings.....	35
Reset Audio Mode.....	41	Picture Settings.....	34
Speaker adjustments.....	41	Video Settings.....	36
SRS TruVolume.....	40	Naming Inputs.....	45
SRS TSHD (surround sound) adjustments.....	40	On Screen Display.....	37
Black bars.....	49	Parental Controls.....	46
Blocking Channels.....	46	Block Unrated Programming.....	48
Brightness.....	38	Canadian English Rating.....	47
Cable Box		Canadian French Rating.....	48
Connecting.....	23	Change the Password.....	48
CC Closed Caption.....	45	Channel Block.....	46
Channel information.....	43	DTV Rating.....	48
Cleaning.....	71	Rating Enable.....	46
Coaxial connection		US Movie Rating.....	47
Satellite box.....	28	US TV Rating.....	47
Coaxial Connection		Picture Menu.....	38
Cable TV.....	28	Adaptive Luma.....	39
Color.....	38	Advanced Video.....	39
Computer		Backlight.....	38
Connecting.....	31	Brightness.....	38
Connecting		Color.....	38
Antenna.....	13	Color Enhancement.....	39
AV Cable.....	13	Color Temperature.....	39
Composite Cable.....	13	Contrast.....	38
Computer.....	13	Noise Reduction.....	39
S-VIDEO Cable.....	13	Picture Mode.....	38
Connecting Equipment		Reset Picture Mode.....	40
Cable.....	23	Sharpness.....	38
Computer.....	31	Smooth Motion.....	39
DVD.....	26	Tint.....	38
Home Theater.....	30	PIP.....	43
Rear Panel Connections.....	13	Remote.....	15
Satellite Box.....	23	Programming.....	50
Side Panel Connections.....	14	Programming Cable Box.....	51
Video Camera.....	29	Programming DVD Player.....	50
Contents.....	9	Programming Home Theater System.....	51
Contrast.....	38	Programming Satellite Box.....	51
Controls		Range.....	15
Front Panel.....	12	Remote Control	
Side Panel.....	12	Batteries.....	15
Daylight Savings.....	42	Front.....	16
DTV Transition.....	5	Reset All Settings.....	48
DVD Player		RGB	
Connecting.....	26	Connecting your PC.....	31
DVI		Safety Instructions.....	2
Cable Box.....	23	Safety Strap.....	11
DVD Player.....	26	Satellite Box	



Connecting .....	23	Technical Support .....	75
Screen Size explanation .....	49	Time Zone .....	42
Search for channels .....	42	Time Zone .....	19
Select Language (MTS) .....	42	Tint .....	38
Setup Menu .....	43	Troubleshooting .....	71
CC .....	45	TV Menu .....	42
Language setup .....	43	Auto Search adjustments .....	42
Parental Controls .....	46	Partial Channel Search .....	42
PIP .....	43	Skip Channel .....	42
Setup Wizard .....	48	Tuner Mode adjustments .....	42
System Menu .....	48	Viewing Modes .....	49
Wide .....	44	Wall mounting .....	10
Sharpness .....	38	Warranty services .....	9
Skip Channel .....	42	Watching TV	
Sleep timer .....	44	Getting your Programs .....	20
Specifications		Wide .....	44
Media Port .....	32	Wizard .....	48
TV .....	76		



## Free Manuals Download Website

<http://myh66.com>

<http://usermanuals.us>

<http://www.somanuals.com>

<http://www.4manuals.cc>

<http://www.manual-lib.com>

<http://www.404manual.com>

<http://www.luxmanual.com>

<http://aubethermostatmanual.com>

Golf course search by state

<http://golfingnear.com>

Email search by domain

<http://emailbydomain.com>

Auto manuals search

<http://auto.somanuals.com>

TV manuals search

<http://tv.somanuals.com>