

JVC

BLACK Sapphire

User Manual

JLE55SP4000



Regulatory Statement

Welcome to the JVC family of customers. We hope that you will have many years of enjoyment from your new JVC 3D Smart e-LED HDTV. To get the most out of your JVC 3D Smart e-LED HDTV, read these instructions before making any adjustments, and retain them for future reference.

For assistance, call the JVC Customer Support and Service Center at 1-855-868-1928 or visit our website at <http://go.jvc.com/HDTVSupport/>.

Serial Number:

Model Number:

We recommend that you register your JVC 3D Smart e-LED HDTV either at our website at <http://go.jvc.com/HDTVSupport/> or fill out and mail the Product Registration Card on the back of the Quick Start Guide.

Retain your purchase receipt and write down the model and serial number located at the back of your HDTV for easy reference when obtaining service support.



This product qualifies for ENERGY STAR in the "factory default" 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.

Regulatory Statement



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Regulatory Statement



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated dangerous voltage with the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Regulatory Statement

- WARNING:** TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. TO PREVENT THE SPREAD OF FIRE, KEEP CANDLES OR OPEN FLAMES AWAY FROM THIS PRODUCT AT ALL TIMES.
- CAUTION:** TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED PLUG WITH AN EXTENSION CORD, RECEPTACLE, OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

- WARNING:** This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
- However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.

Regulatory Statement

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION:

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

Responsible Party: AmTRAN Video Corporation

Address: 9 Goddard, Irvine, CA 92618, USA

Telephone No; 949-336 6633

Required Marking Location

The rating sheet and the safety caution are on the rear of the unit.

Important Safety Information

- 1) Read these instructions.
- 2) Heed all warnings.
- 3) Follow all instructions.
- 4) Do not use this device near water.
- 5) Clean only with dry cloth.
- 6) Do not block any ventilation openings. Install in accordance with manufacturer's instructions.
- 7) Do not install near any heat sources such as radiators, heat registers, stoves, or other heat-generation devices.
- 8) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 9) Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the device.
- 10) Only use attachments/accessories specified by the manufacturer.
- 11) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 12) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 13) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 14) Apparatus should not be exposed to dripping or splashing, and objects filled with liquids, such as vases, should not be placed on the apparatus.
- 15) An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits, as contact with them might be fatal.
- 16) Do not overload wall outlets and extension cords, as this can result in a risk of fire or electric shock.
- 17) Do not push objects through any openings in this unit as they may touch dangerous voltage points or short out parts that could result in fire or electric shock. Never spill or spray any type of liquid into the unit.

Important Safety Information

- 18) If an outside antenna or cable system is connected to the unit, be sure the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.
- 19) When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
- 20) Upon completion of any service or repairs to this unit, ask the service technician to perform safety checks to determine that the unit is in proper operating condition.
- 21) When you connect the product to other equipment, turn off the power and unplug all of the equipment from the wall outlet. Failure to do so may cause an electric shock and serious personal injury. Read the owner's manual of the other equipment carefully and follow the instructions when making any connections.
- 22) Sudden high volume sound may cause hearing or speaker damage. When you use headphones (if the unit is equipped with a headphone jack), keep the volume at a moderate level. If you use headphones continuously with high volume sound, it may cause speaker overheating and fire.
- 23) Do not allow the product to output distorted sound for an extended period of time. It may cause speaker overheating and fire.
- 24) This reminder is provided to call the cable TV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.
- 25) The socket outlet must be installed near the unit and easily accessible.

Important Safety Information

CHILD SAFETY:

It Makes A Difference How and Where You Use The TV

Congratulations on your purchase! As you enjoy your new product, please keep these safety tips in mind.

THE ISSUE:

The home theater entertainment experience is a growing trend and larger TVs are popular purchases. However, TVs are not always supported on the proper stands or installed according to the manufacturer's recommendations. TVs that are inappropriately situated on dressers, bookcases, shelves, desks, speakers, chests, or carts may fall over and cause injury.

THIS MANUFACTURER CARES!

The consumer electronics industry is committed to making home entertainment enjoyable and safe.

TUNE INTO SAFETY

One size does NOT fit all. Follow the manufacturer's recommendations for the safe installation and use of your TV.

Carefully read and understand all enclosed instructions for proper use of this product.

Don't allow children to climb on or play with furniture and television sets.

Don't place TVs on furniture that can easily be used as steps, such as a chest of drawers.

Remember that children can become excited while watching a program, especially on a "larger than life" TV. Care should be taken to place or install the display where it cannot be pushed, pulled over, or knocked down.

Care should be taken to route all cords and cables connected to the TV so that they cannot be pulled or grabbed by curious children.

Important Safety Information

3D HEALTH AND SAFETY

- Should you experience discomfort while viewing 3D video images, take a 10-to-15 minute break or try viewing the video in 2D. Consult your health care provider, if necessary.
- Due to vision development concerns, **Do Not** allow children under the age of 6 to view 3D video images. Parents should supervise children closely to prevent prolonged 3D viewing.
- Keep proper distance from TV while viewing 3D videos or images. Minimum distance between you and the TV screen should be 7 feet. Refer to Section 2: TV Placement for Best 3D Experience for proper TV distance and height from viewing audience.
- For those with epilepsy, have a family history linked to epilepsy, or have experienced epileptic-type symptoms in the past, consult your health care provider before viewing 3D videos or images.
- Avoid viewing 3D content when under the influence of alcohol.
- Viewing 3D content may cause dizziness and/or disorientation for some viewers. To avoid injury, do not place you the TV at or near stairwells, balconies, or wires. Clear viewing area of any objects that can break and cause injury when accidentally hit.

Important Safety Information

CONDENSATION

Moisture will form in the operating section of the unit if the unit is brought from cool surroundings into a warm room or if the temperature of the room rises suddenly. When this happens, unit's performance will be impaired. To prevent this, let the unit stand in its new surroundings for about an hour before switching it on, or make sure that the room temperature rises gradually. Condensation may also form during the summer if the unit is exposed to the breeze from an air conditioner. In such cases, change the location of the unit.

HOW TO HANDLE THE LCD PANEL

- Do not press hard or jolt the LCD panel. It may cause the LCD panel glass to break and injury may occur.

- If the LCD panel is broken, make absolutely sure that you do not touch the liquid in the panel. This may cause skin inflammation.
- If the liquid gets in your mouth, immediately gargle and consult with your doctor. Also, if the liquid gets in your eyes or touches your skin, consult with your doctor after rinsing for at least 15 minutes or longer in clean water.

Possible Adverse Effects on LCD Panel:

If a fixed (non-moving) pattern remains on the LCD panel for long periods of time, the image can become permanently engrained in the LCD panel and cause subtle but permanent ghost images. This type of damage is NOT COVERED BY YOUR WARRANTY. Never leave your TV on for long periods of time while it is displaying the following formats or images:

Important Safety Information

- Fixed images, such as stock tickers, video game patterns, TV station logos, and web sites.
- Special formats that do not use the entire screen. For example: viewing letterbox style (16:9) media on a normal (4:3) display (black bars at top and bottom of screen); or viewing normal style (4:3) media on a widescreen (16:9) display (black bars on left and right sides of screen).

The following symptoms are not signs of malfunction but technical limitations

- LCD panels are manufactured using an extremely high level of precision technology; however, sometimes parts of the screen may be missing picture elements or have luminous spots. This is not a sign of malfunction.

- Do not install the TV near electronic equipment that produces electromagnetic waves. Some equipment placed too near this unit may cause interference.
- Effect on infrared devices – There may be interference while using infrared devices such as infrared cordless headphones.

Television Antenna Connection Protection

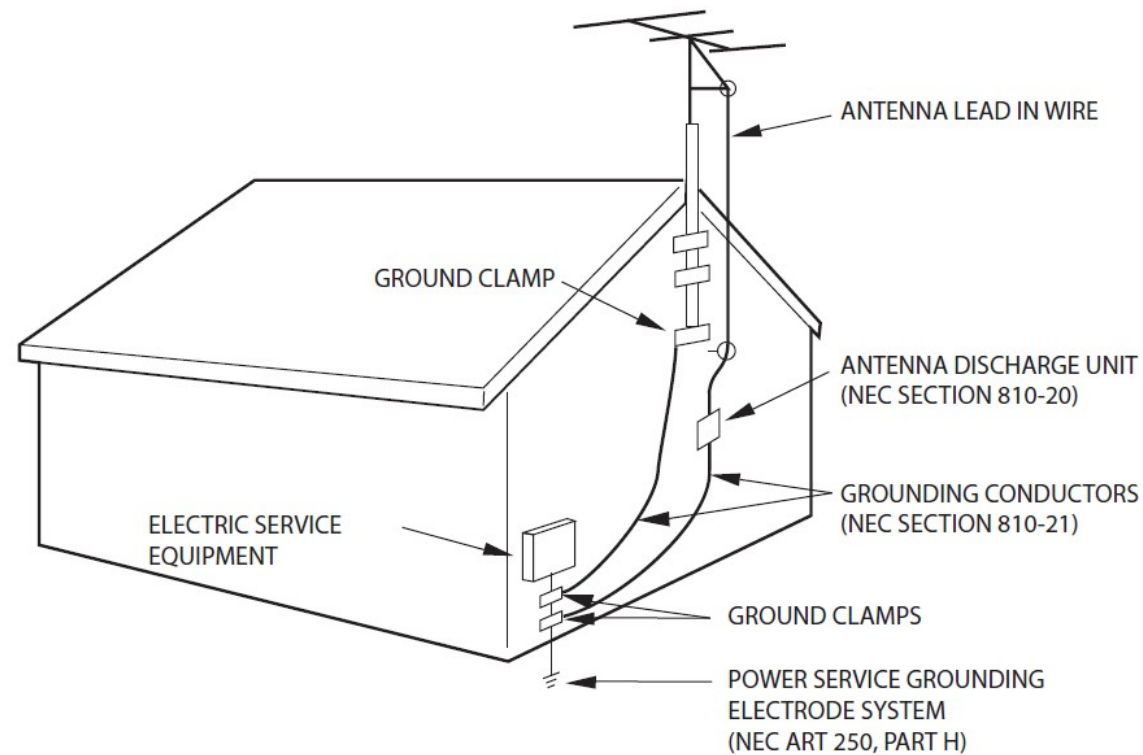
External Television Antenna Grounding

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

Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and

Important Safety Information

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 ground electrode.



Lightning Protection

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

Power Lines

Do not located the antenna near overhead light or power circuits, or where it could fall into such power lines or circuits.

Important Safety Information

DTV Transition Advisory

As of June 12, 2009, all U.S. television stations have switched to digital broadcasting. As a result, owners of analog television sets must connect a digital-to-analog converter box to the television set or subscribe to cable or satellite TV to receive over-the-air TV. Analog-only TVs 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 more information about the DTV transition, visit www.dtv.gov.

FCC Consumer Center

Email: dtcinfo@fcc.gov

Phone: 1-888-CALLFCC (1-888-225-5322)

Fax: 1-866-418-0232; or writing to:

Federal Communications Commission

Consumer and Governmental Affairs Bureau

Consumer Inquiries and Complaints Division

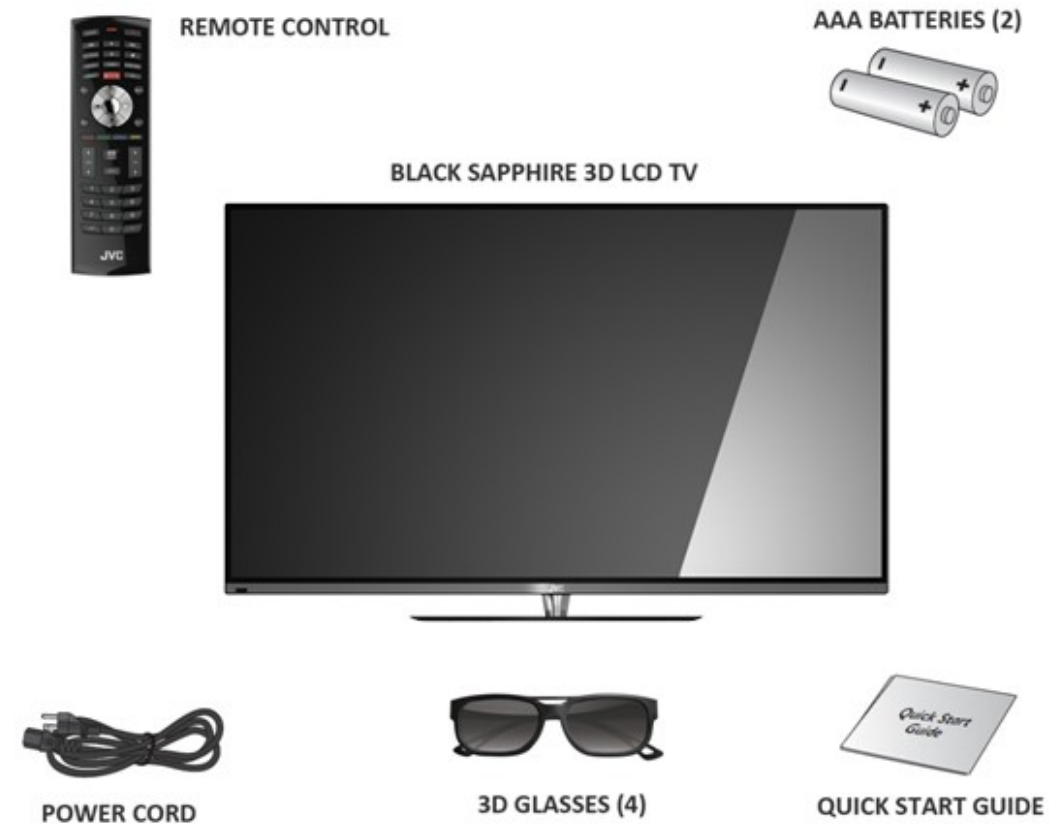
445 12th Street, SW

Washington, DC 20554

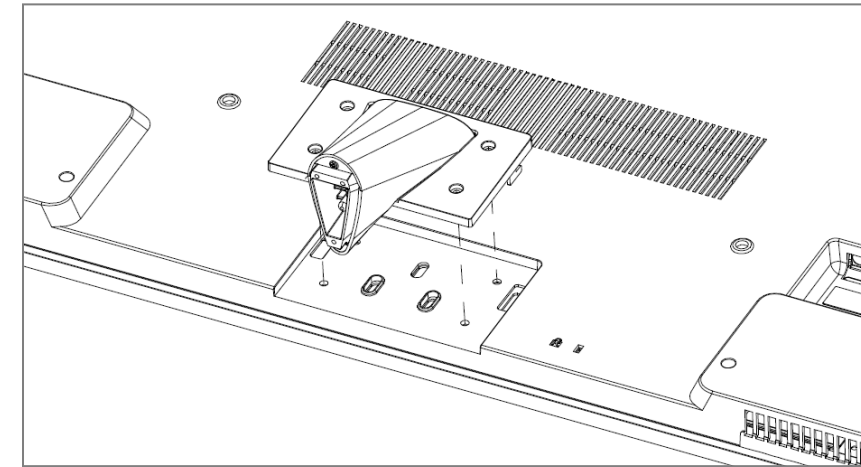
Setting Up The TV

Package Contents

Your JVC Black Sapphire 3D LCD TV is shipped with the items shown below:

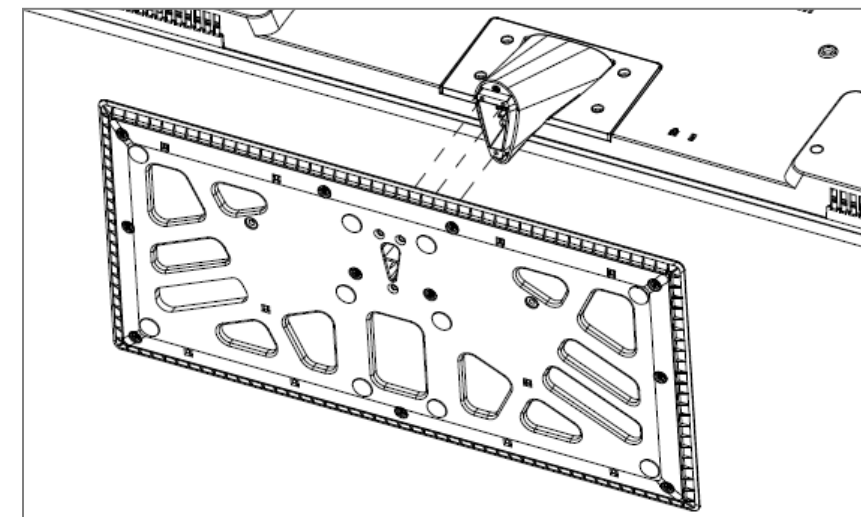


Attaching the Stand



Place TV on a flat surface and the protective bag. Screen face down.

Attach TV stand to rear of television with the provided four (4) **pan head** screws.



Mount the base to the stand with the provided three (3) **flat head** screws

Carefully lift TV up

Setting Up The TV

Kensington Lock

Theft Deterrent Kensington Lock

Your JVC TV contains a Kensington Lock-compatible slot/hole that helps securely affix the TV to other physical objects. The appearance and locking method differs depending on the manufacturer. Refer to the manual provided with the Kensington Lock for installation information.



Setting Up The TV

Removing The Stand

When television needs to be transported, remove TV Stand and pack TV back in its shipping box. To remove TV Stand, remove 4 pan head screws securing stand to rear of television.

Wall Mounting



For product protection and safety reasons, JVC strongly recommends contacting a professional installer or technician for assistance with the installation of the wall mount and with the setup of your TV. JVC will not be held responsible for any damage to the product or injury to yourself and others should you decide to install the wall mount and TV without the assistance of a professional installer or technician.

Installing Wall Mount

A wall mount kit (not included with TV) allows you to mount the TV onto a wall. For the proper and safe installation of a wall mount, follow the detailed instructions included in the wall mount kit.

Refer to the specification section for the right wall mount size



Do not install your TV to the wall mount while the TV is turned on. It can result in personal injury due to electric shock.

The TV weighs approximately 54 lb. A minimum of two people should be used when moving TV, and when installing TV onto a wall mount.

Setting Up The TV

- 1 Turn off your TV and disconnect all cables.
- 2 Carefully place the TV face down on a flat, clean, and padded surface. If available, put TV cover or protective sheet onto the TV before laying the TV down on flat surface.
- 3 Using a cross-tip screwdriver, remove four screws securing TV stand to rear of TV. Remove TV stand.
- 4 Follow instructions in wall mount kit and install wall mount. Install TV onto wall mount in accordance with wall mount kit instructions.

NOTE: Wall mount screw hole pattern on rear of JLE55SP4000 is VESA 400 x 400mm, with M8 screws

Setting Up The TV

Install Batteries Into Remote Control



To open the battery compartment, press down on top end of cover and then slide cover down.

Insert two AAA batteries into battery compartment. Observe correct polarity.

Insert cover and slide up into place.

Battery Precautions:

Be sure to follow the correct polarity. Incorrect installation may cause battery leakage or damage to the remote control.

Always replace batteries in pairs; never combine a used battery with a new one.

Do not use different battery types together (e.g. Alkaline and Carbon-zinc).

If remote control will not be used for an extended period of time, remove

TV Placement For Best 3D Experience

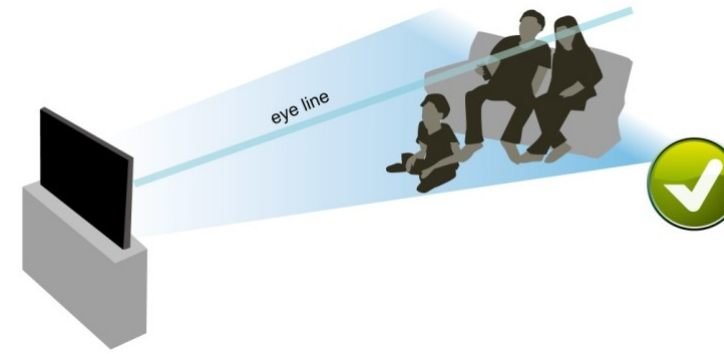
How to have the best 3D viewing effect

- Viewing the TV head-on, and place TV around 7 to 10 feet away from the audience. The best viewing distance is about 9 feet from the screen.
- Make sure the center of TV is aligned to audiences' line of sight

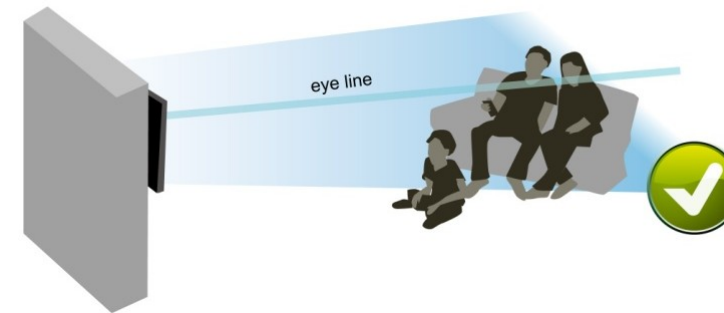
Things To Prevent

Weakened 3D effects may be caused by:

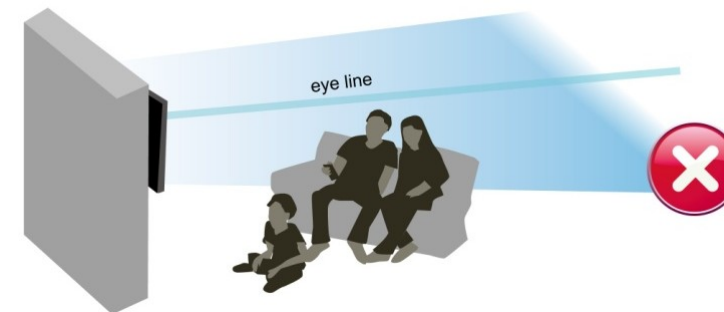
- Viewing TV at an angle
- Viewing the TV too close, or too far away
- TV is not aligned to audiences' line of sight



TV placed on TV stand and aligned to audiences' eye level



Use wall mount hardware with tilt capability. TV is tilted down aligning to audiences' eye line

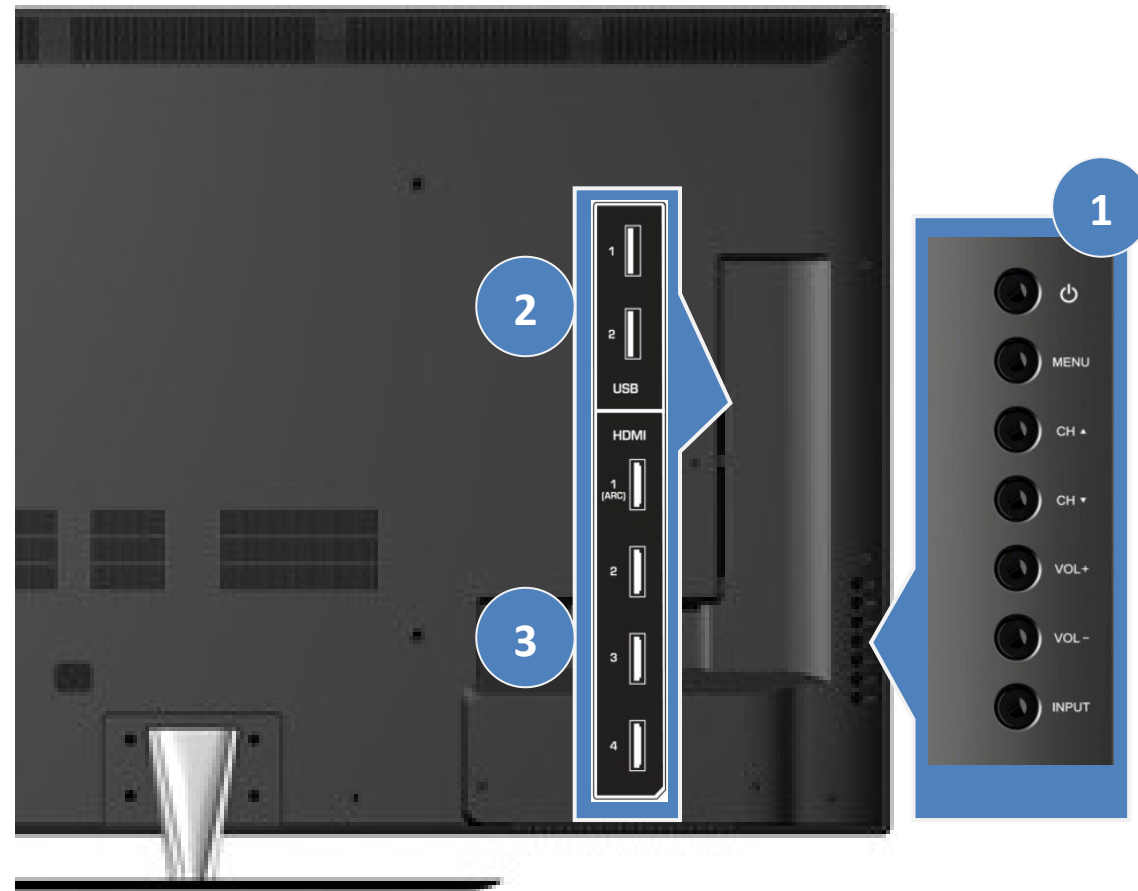


Weakened 3D effects

- Viewing TV at an angle
- Viewing TV too close, or too far away
- TV is not aligned to audiences' line of sight

Parts and Functions - TV

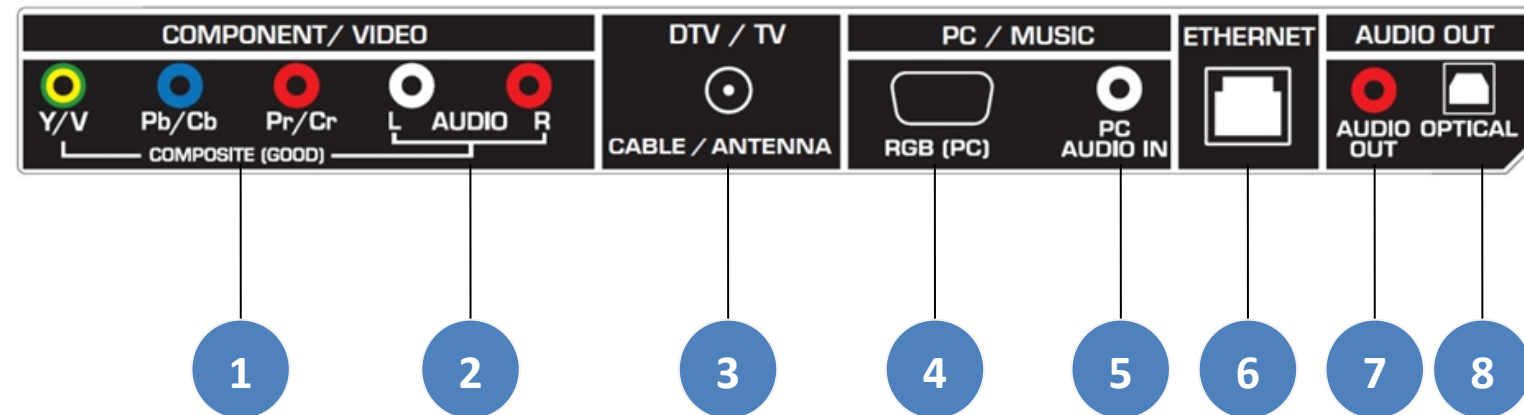
Front and Side Views



1	Power Button
	MENU Button
	CH ▲ Button
	CH ▼ Button
	VOL+ Button
	VOL- Button
	INPUT Button
2	USB Ports
3	HDMI Ports

Parts and Functions - TV

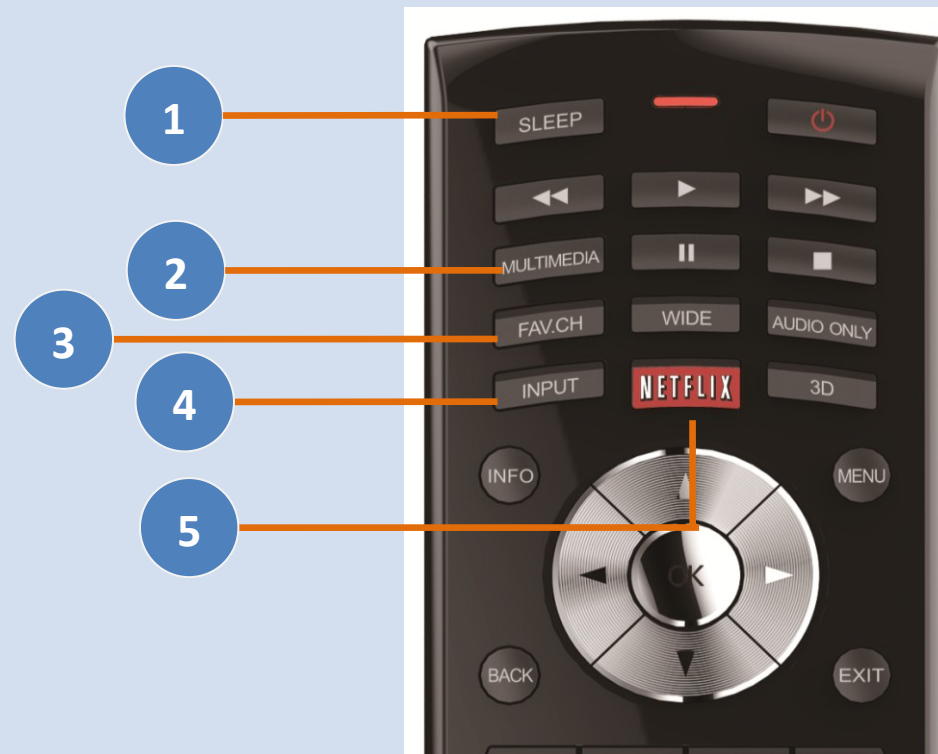
Rear View



1	COMPONENT VIDEO / COMPOSITE Video Input Jacks
2	COMPONENT / COMPOSITE Audio Input Jacks
3	DTV / TV CABLE / ANTENNA Input Jack
4	PC / MUSIC RGB (PC) Jack
5	PC / MUSIC PC AUDIO IN Jack
6	ETHERNET Port
7	AUDIO OUT Jack
8	OPTICAL AUDIO OUT Jack

Parts and Functions - Remote

Remote Control



1	SLEEP button: When pressed, displays Sleep Timer menu on TV screen.
2	MULTIMEDIA button: When pressed, displays contents in the USB drive connected to TV
3	FAV.CH (Favorite Channel) button:
4	INPUT button: When pressed, displays Input Source menu on TV screen.
5	NETFLIX button: When pressed, launches NETFLIX application.

Parts and Functions - Remote



6

INFO button: When pressed, displays Info bar at top of TV screen.

7

OK button: Launches a menu, selects a menu option, and selects on-screen keypad characters.

8

BACK button: Returns User to previous TV screen.

9

ICE (Internet Connected Experience) **Apps** button: When pressed, displays I.C.E. application icons on TV screen.

10

VOL (Volume) button: Increases (**VOL**) and decreases (**VOL**) TV volume.

11

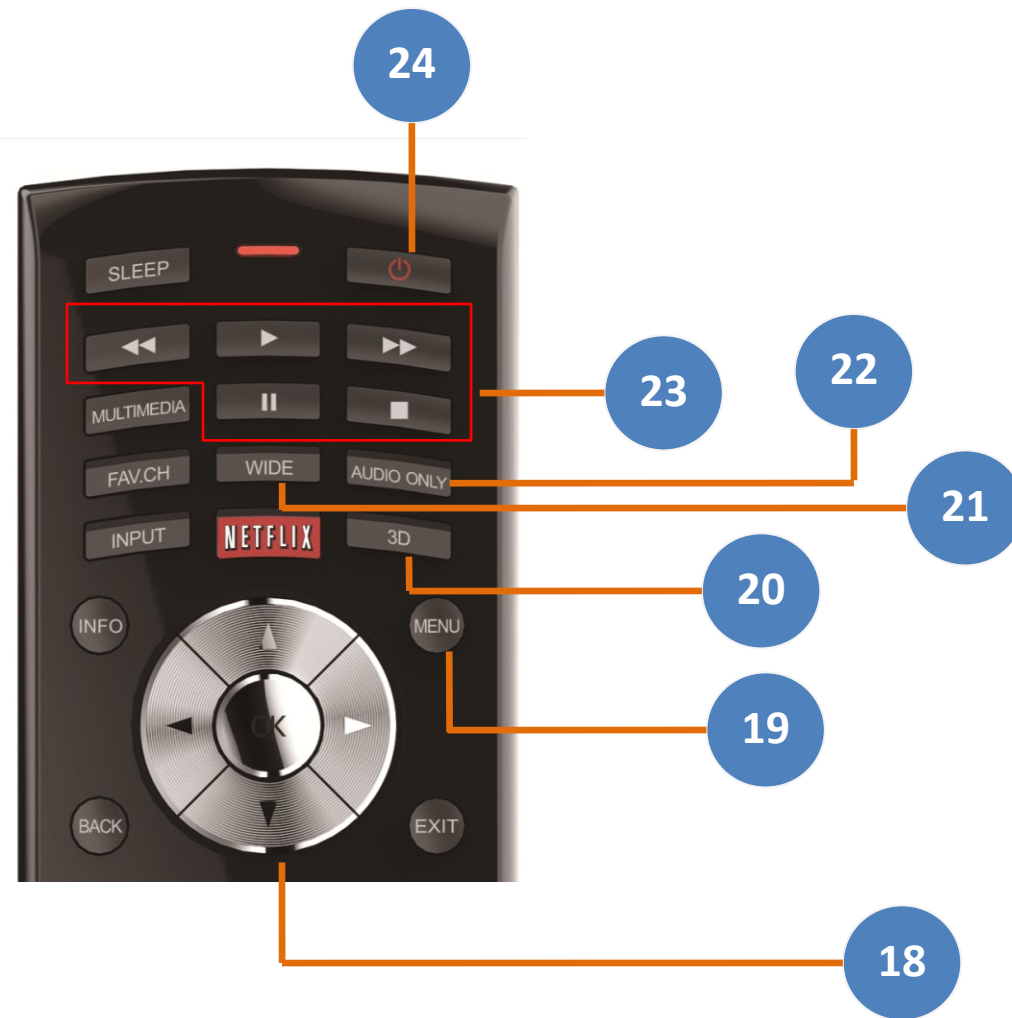
MUTE button: When pressed, sets TV audio on or off.

Parts and Functions - Remote



12	LAST button: When pressed, switches back to last channel
13	-- (dash) button: Serves as dash or decimal point for broadcast channels
14	Number keypad (0-9): When input source is TV, changes channel. Can be used when entering numeric values in application log in fields.
15	CH (Channel) button: When input source is TV, increases and decreases channel number.
16	Multipurpose buttons
17	EXIT button: Used for exiting a menu, application, or mode.

Parts and Functions - Remote



18	Direction buttons: Navigate the menu, select options, or adjust settings value.
19	MENU button: When pressed, displays TV SETTING menu.
20	3D button: While viewing 3D contents, press it for 3D/2D control options
21	WIDE button: When pressed, displays Screen Mode selections on TV screen.
22	AUDIO ONLY button: When pressed, turns off TV screen but continues to play audio from input source.
23	Playback buttons: Used for Music, Video, and HDMI CEC functions.
24	Power button: When pressed, turns TV on or off.

Parts and Functions - Remote



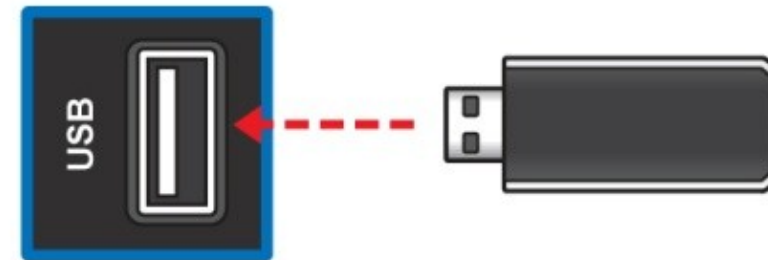
25	Direction buttons: Navigate the menu, select options, or adjust settings value.
26	OK button: Launches a menu, selects a menu option, and selects on-screen keypad characters.
27	QWERTY Keypad : Enter log in information such as your Username and Password or fill in I.C.E. App fields.

Making A/V Connections

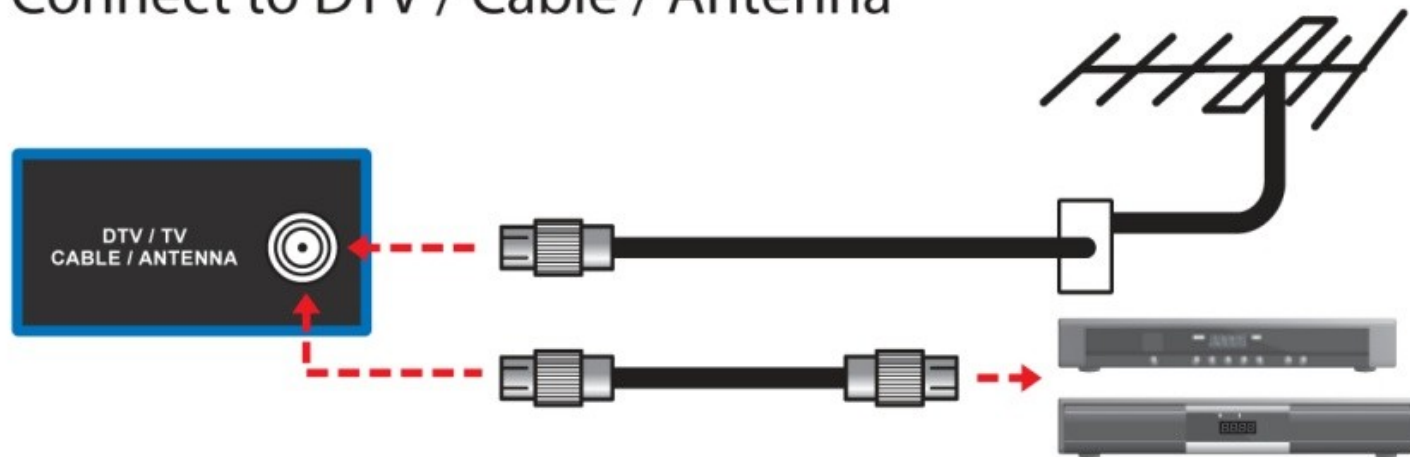
Connect to Power



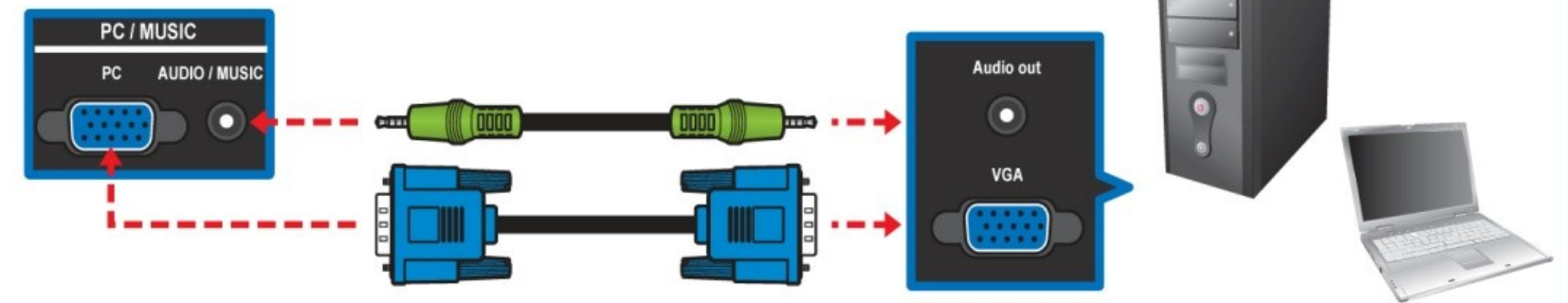
Connect to USB



Connect to DTV / Cable / Antenna



Connect to Computer/Laptop

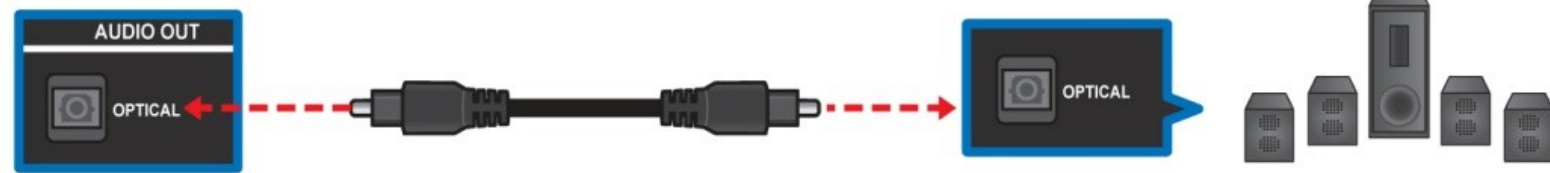


Making A/V Connections

Connect to External Speakers/Amplifiers



Digital connection

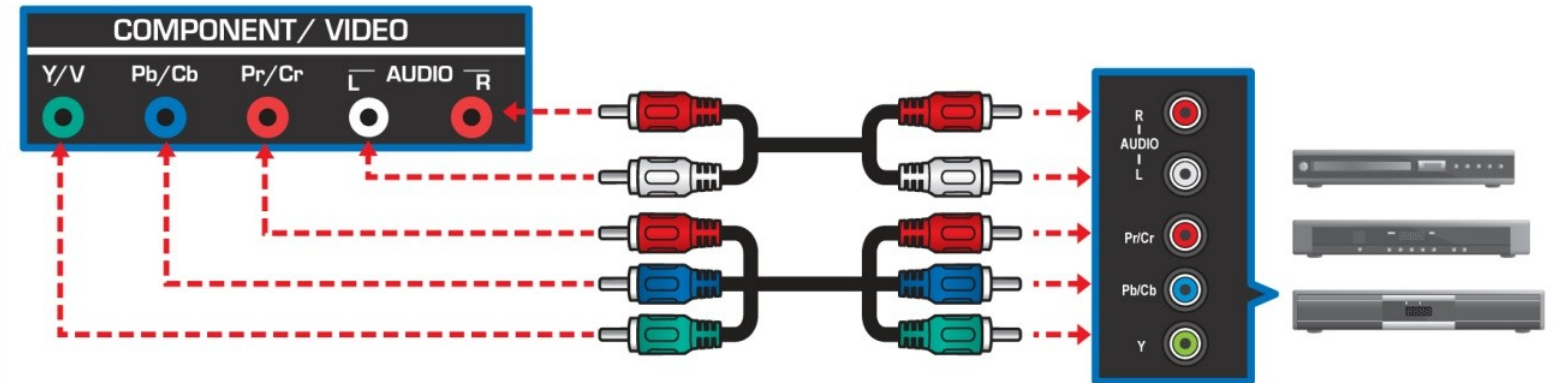


Connect to HD Devices (Bluray Player, Cable or Satellite, Game Console)

HDMI

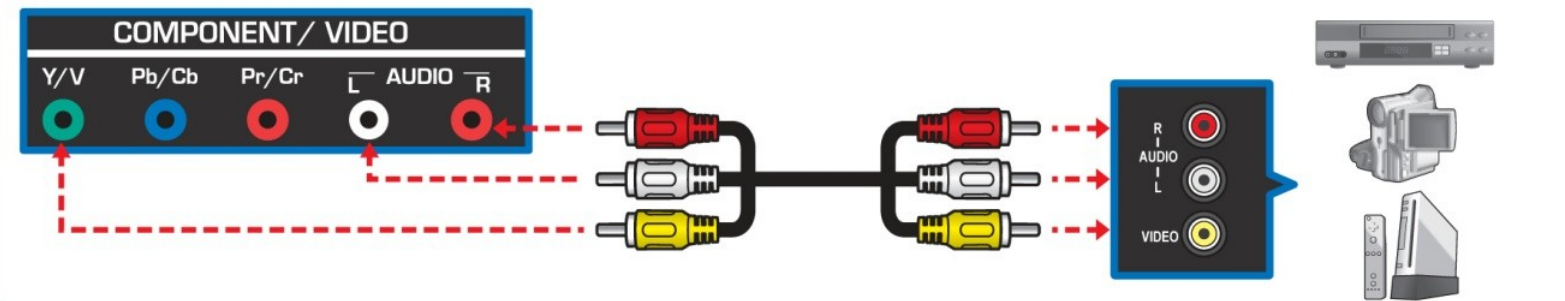


Component



Composite

*Please Note, the Composite video input is shared with the component.



Connecting To The Internet

The TV comes equipped with several pre-loaded Internet applications via a built-in functionality called I.C.E.[™], or Internet Connected Experience. To access the pre-loaded I.C.E.[™] applications, the TV must be connected to the home network. This can be accomplished in two ways:

- Hard-Wired Ethernet Connection
- Wireless Connection

Making a Hard-Wired Ethernet Connection

To connect your TV to your home network:

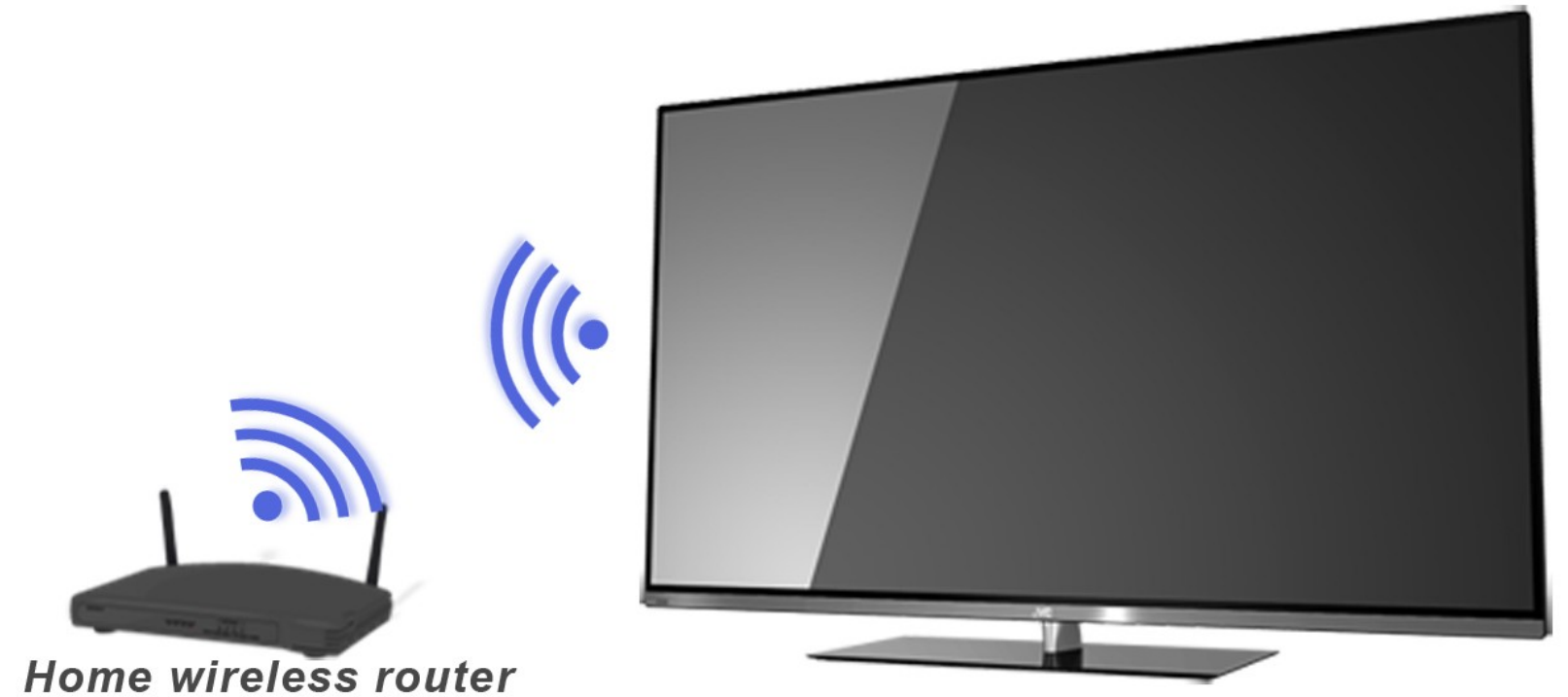
1. Connect one end of a CAT 5 Ethernet cable to your home network's Ethernet drop box.
2. Connect other end of cable to the Ethernet connector jack at rear of TV.
3. Follow the instructions on the Network portion of the One Time Setup Wizard in the Basic Operations section.



Connecting To The Internet

Wireless Connection

To connect your TV to your home network via a wireless connection, follow the instructions on the Network portion of the One Time Setup Wizard in the Basic Operations section.



One Time Setup Wizard

When the TV is turned on for the first time, a one time set-up wizard is displayed to assist you in setting up your TV.

NOTE: Ensure Antenna or Cable TV input cable is connected to **DTV / TV** jack, AND insert provided batteries to remote before proceeding.

Turn on TV. The **Welcome** screen is displayed.

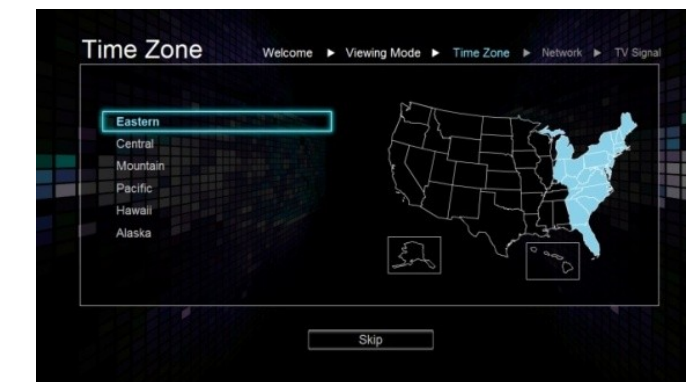


Use left and right direction arrows on remote control to select desired language, and then press **OK** button.

On **Viewing Mode** screen, select desired TV mode, and then press **OK** button.



On **Time Zone** screen, select desired time zone, and then press **OK** button.

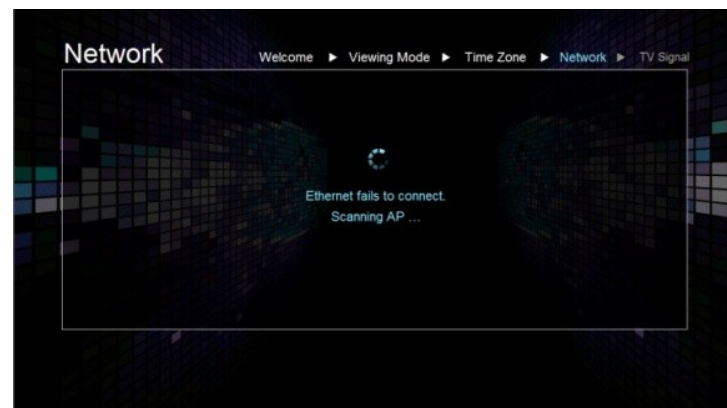


One Time Setup Wizard

On **Network Connection** screen, select Network cable or Wi-Fi connection.



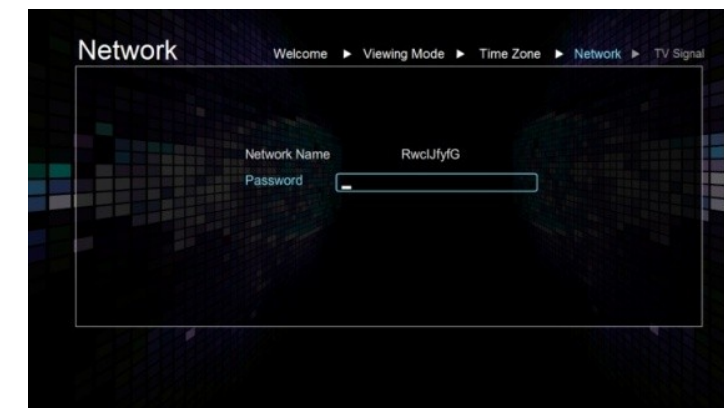
TV will either detect an Ethernet connection or, in the absence of a wired connection, will search for available wireless networks.



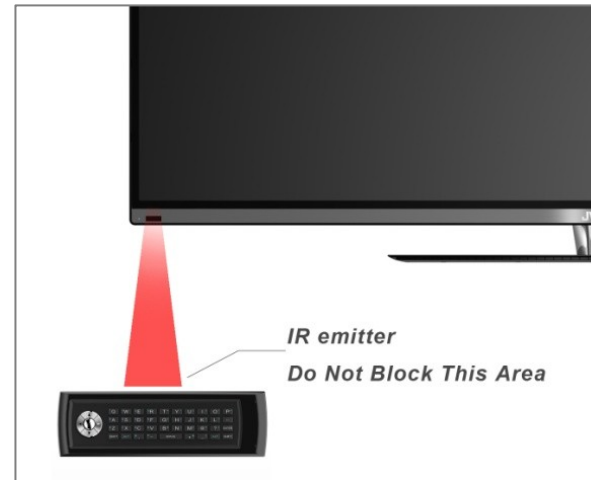
Choose your home wireless network from the list displayed and then press **OK** button.



Using the QWERTY keypad on the rear of the remote, enter **Password** and then press **OK** button.

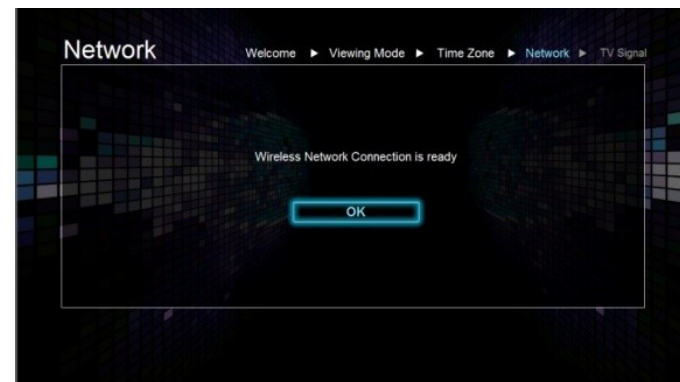


One Time Setup Wizard

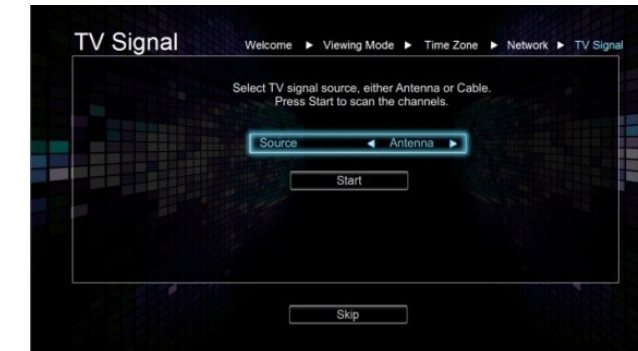


When using the QWERTY keypad, point the remote to the TV's IR receiver lens.

When **Wireless Network Connection is ready** is displayed, press **OK** button.



On **TV Signal** screen, use left and right direction buttons to select desired input **Source (Antenna or Cable)**. Use down direction button to select **Start**, and then press **OK** button.



When channel auto scan is completed, click on **OK** button.



When **Thank You** screen is displayed, verify settings and then press on **OK** button.

Viewing 3D Content

Your TV is equipped for viewing 3D movies, games, and television broadcasts (where available). After installing your TV at the optimum distance and height for 3D viewing (refer to previous section), you can then connect your 3D device to the TV. To view 3D content, you will need the following items:



- A 3D source device, such as a 3D Blu-Ray player, 3D Game Console, and/or Cable TV or Satellite TV converter box that can decode 3D content



- A 3D media, such as Blu-ray 3D movie disc



- An HDMI connection cable

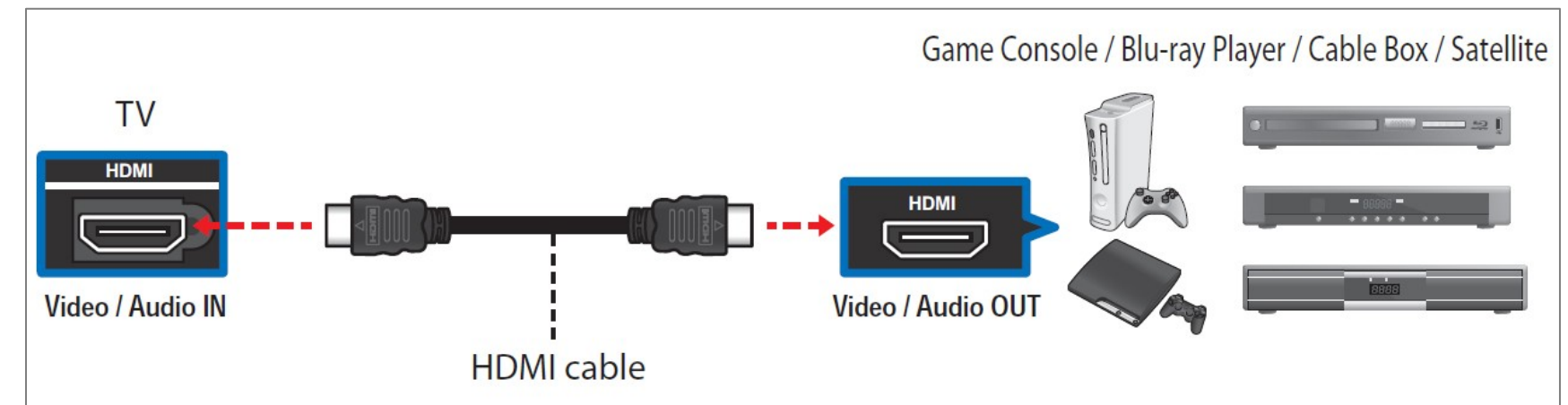


- XinemaView 3D™ Glasses (included with TV)

Connecting Your 3D Source Device

Connecting a 3D source device to your TV is very simple:

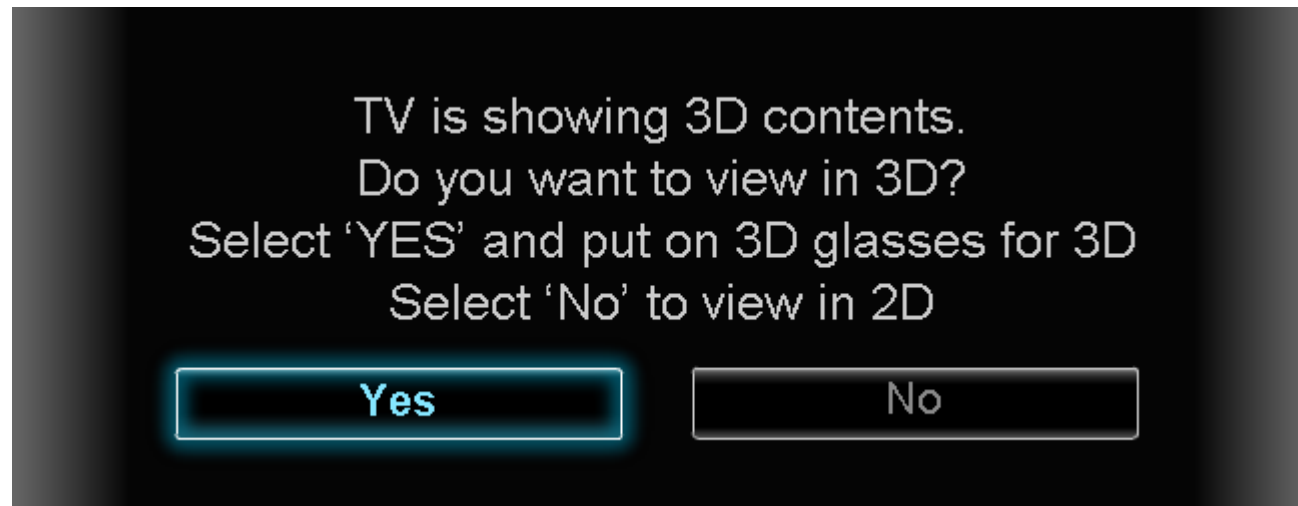
1. Connect one end of the HDMI cable to the HDMI connector jack on your device.
2. Connect the other end of the HDMI cable to one of the available HDMI connector jacks at the rear of your TV.



Viewing 3D Content

Start Viewing Your 3D Contents

1. Turn on the TV and wait a few seconds for the TV to boot up.
2. Turn on your 3D source device and insert 3D media (game disc, Blu-ray disc, etc)
3. The TV will detect the 3D source device and display the following screen:



4. On remote control, use left/right direction buttons to highlight **Yes** on screen, and then press **OK** button.

5. Put on a pair of 3D glasses and enjoy.

If you wish to view the content in 2D, simply select **No** and press the **OK** button.

Switching between 3D and 2D

You could switch to 2D viewing during any time a 3D content is playing. Simply press **3D** button on remote and choose 2D viewing option



Viewing 3D Content

3D HEALTH AND SAFETY

- Should you experience discomfort while viewing 3D video images, take a 10-to-15 minute break or try viewing the video in 2D. Consult your health care provider, if necessary.
- Due to vision development concerns, **Do Not** allow children under the age of 6 to view 3D video images. Parents should supervise children closely to prevent prolonged 3D viewing.
- Keep proper distance from TV while viewing 3D videos or images. Minimum distance between you and the TV screen should be 7 feet. Refer to Section 2: TV Placement for Best 3D Experience for proper TV distance and height from viewing audience.
- For those with epilepsy, have a family history linked to epilepsy, or have experienced epileptic-type symptoms in the past, consult your health care provider before viewing 3D videos or images.
- Avoid viewing 3D content when under the influence of alcohol.
- Viewing 3D content may cause dizziness and/or disorientation for some viewers. To avoid injury, do not place you the TV at or near stairwells, balconies, or wires. Clear viewing area of any objects that can break and cause injury when accidentally hit.

I.C.E™ Apps Operation

ICE Apps and Multimedia Operations

The TV equipped with I.C.E™ (Internet Connected Experience) platform which provides connectivity to popular internet content streaming services.

To access any of the pre-loaded ICE applications, make sure the TV is connected to the Internet.

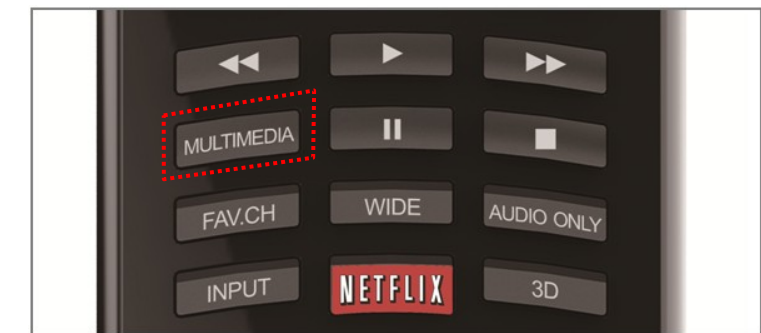
On the remote, press the **ICE Apps** button to display the ICE applications screen.

Use the left and right direction buttons to bring the desired app icon to the middle of the screen, and then press the **OK** button to select the application. Follow the instruction on screen to setup* each application.



To exit an application, press the **Exit** button on remote.

USB Multimedia control



Control multimedia content stored in your USB drive by choosing this icon, or press **MULTIMEDIA** button on remote

I.C.E™ Apps Operation

NOTE:

- ICE apps are software provided by the content provider.
- You would need to either sign up or use an existing account to use the selected ICE apps.
- Some apps are free, but some may charge monthly fee or pay-per-view fee. Read through the service terms for each app. Contact the content provider for any question regarding their service.

TV Operation – TV Channels

Changing the Channel

On the remote control, use the number keys to select a channel.

NOTE: When a channel is selected with the number keys, there will be a short delay before the TV changes the channel. To change the channel immediately, press OK after selecting a channel.

Browsing Channels

To increase or decrease the channel:

- 1 On the remote control, press button
- 2 At rear of TV, press the **CHANNEL UP** or **CHANNEL DOWN** buttons

Selecting Analog Channels

1~9 Press 1~9 as needed. For example: to select channel 2, press 2, then press OK.

10~99 Press the 2 digits in order. For example: to select channel 15, press 1, 5, and then press OK.

100~135 Press the 3 digits in order. For example: to select channel 130, press 1, 3, 0, and then press OK.

Selecting Digital Channels

Press the first two or three digits, press the – button, and then press the remaining digit(s). For example: to select channel 15-1, press 1, 5, -, .1, and then press OK.

TV Operation – TV Channels

Selecting by Channel List

All channels with network signal are listed on the Channel List screen. You can select channels from this screen.

- 1 Press OK to display Channel List screen.
- 2 Press up or down direction buttons to select a channel number, and then press OK.
- 3 Press Exit to close Channel List screen.

Mute

Press the **Mute** button to turn off the sound. To turn on the sound, press the **Mute** button again.

Setting the Sleep Timer

Use the Sleep timer to automatically turn off the TV after a preset amount of time has elapsed.

- 1 Press Sleep button to display Sleep Timer screen.
- 2 Press Sleep button repeatedly, or use up and down direction buttons to select desired sleep time, and then press OK.

To cancel sleep mode, select Timer Off on Sleep Timer screen, and then press OK.

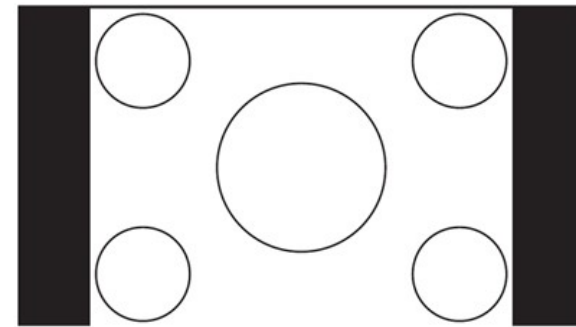
TV Operation – Aspect Ratio

Set Aspect Ratio

- 1 Press **Wide** button to display Screen Mode display.
- 2 Press **Wide** button repeatedly, or use left and right direction buttons to select desired screen mode, and then press OK.

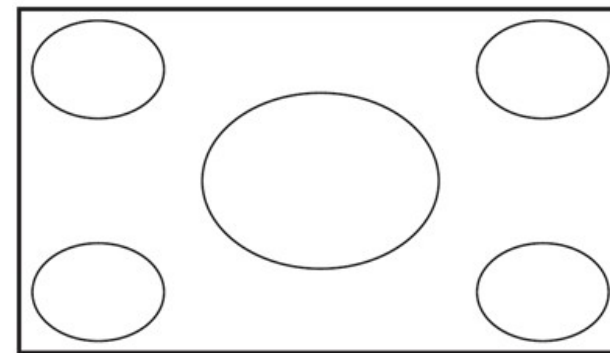
Normal

When watching a 4:3 content, the TV displays a standard picture with black side bars. When viewing a 16:9 content, it displays a full picture.



Wide

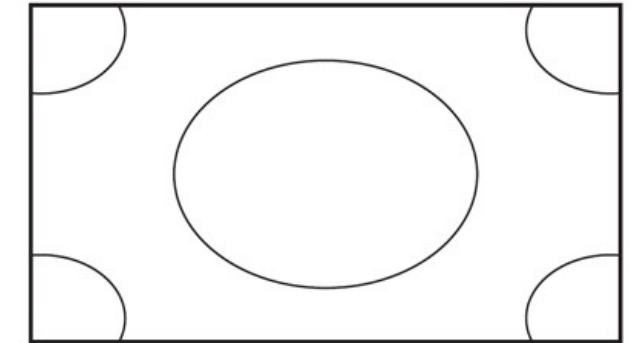
When displaying a 4:3 content, the picture is stretched horizontally to fill the width of the screen. When watching a 16:9 content, the image is slightly



overscanned.

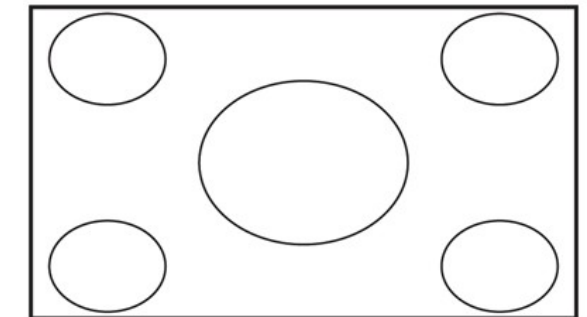
Zoom

The entire picture is uniformly enlarged to retain its original proportion. However, some parts of the picture may be hidden.



Stretch

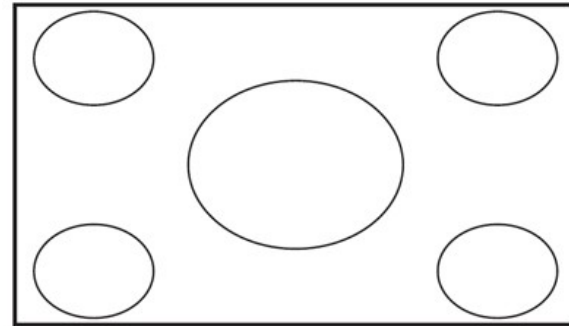
The picture is stretched horizontally on the left and right sides. Only available in 16:9 content.



TV Operation – Aspect Ratio

Panoramic

The picture is stretched horizontally on the left and right sides to fill the width of the screen. The center of the picture is not stretched.



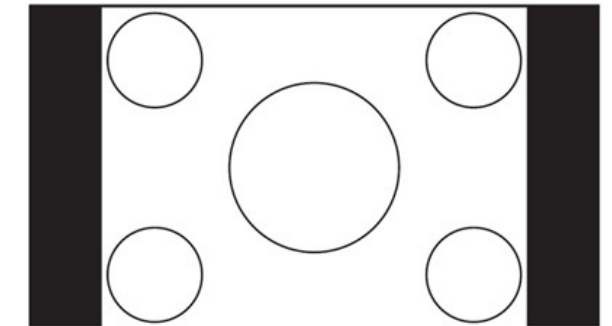
Notes:

- Panoramic mode is only available on 4:3 contents.
- Stretch is only available in 16:9 contents.

With VGA input, only two modes are available: Normal and Stretch.

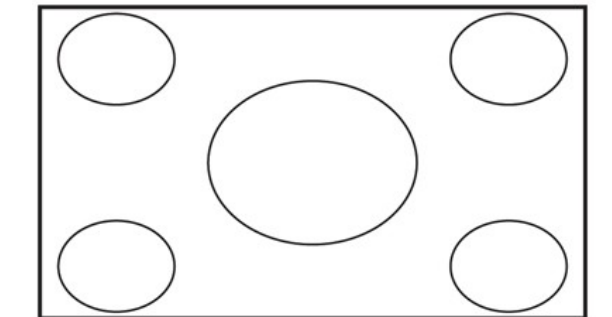
Normal

When watching a 4:3 content, the TV displays a standard picture with black side bars. When viewing a 16:9 content, it displays a full picture.



Stretch

When watching 4:3 content, the picture is stretched horizontally to fill the width of the screen. When watching a 16:9 content, the picture is stretched horizontally on the left and right sides.



TV Operation – Input Sources

Selecting the Input Source

The TV provides various ways to select the input source:

At rear of TV

Press **INPUT** button repeatedly to scroll through the input source options. The highlighted input source is selected after a few seconds.

Using the Remote Control

Press Input button repeatedly to scroll through input source options, and then press OK button to select desired input source.

Multimedia Mode

Depending on your TV model, the TV allows you to play slide shows or display photos from a USB memory stick.

Playing Multimedia Files

- 1 Insert USB memory stick into one of the USB slots at rear of TV.
- 2 When **USB media detected** screen appears, select **Yes** and press **OK**.
- 3 When Multimedia Player screen is displayed, select USB source on left side of screen, and then press OK.
- 4 To exit the Multimedia Player, press the Exit button.

Connecting Music

The TV supports music playback from portable music players such as iPods and various MP3 players.

- 1 Connect one end of an audio cable to the PC Audio In port of the TV and the other end to the Audio Out port of the music player.

TV Operation – Input Sources

- 2 Press **INPUT** button and select **MUSIC**

Audio Only Mode

While playing music, you can set the TV to Audio Only mode to turn off the TV display and save power.

- 1 Press **AUDIO ONLY** button to activate Audio Only mode. A message appears on the screen and few seconds later, the TV display turns off.
- 2 When ready to exit Audio Only mode, press any button.

Advanced TV Settings – Video Menu

Quick Menu Operation

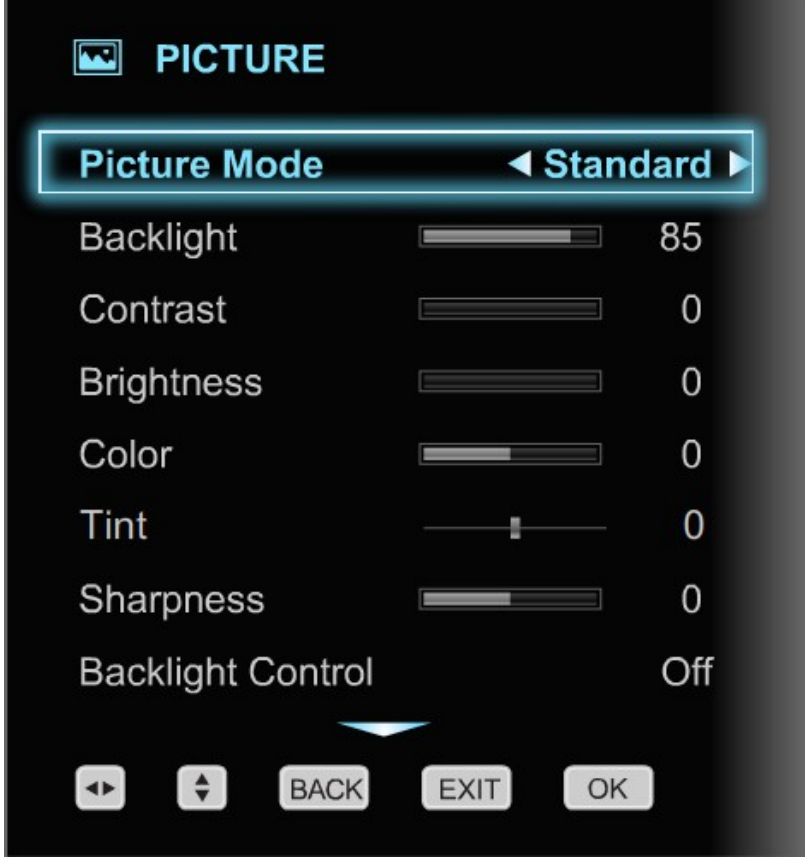


	Remote Control	TV Panel
Display the menu	Press MENU button	Press MENU button
Select a TV Setting	Press up or down to select a TV Setting. Press OK to confirm your TV Setting selection.	Press CH+ or CH- buttons to select a TV Setting. Press INPUT button to confirm your TV Setting selection.
Select and Adjust a TV Setting Option	Press up or down to select a TV Setting Option. Press left or right to adjust the setting. Press OK to apply the adjustment.	Press CH+ or CH- buttons to select a TV Setting Option. Press VOL+ or VOL- buttons to adjust the setting. Press INPUT button to apply the adjustment.
Exit the Menu	Press EXIT button.	Press MENU button.

Advanced TV Settings – Video Menu

Picture Menu

Adjust picture options such as brightness, contrast, and advanced picture settings.



Picture Mode

Select the picture mode.

Standard	For standard picture settings
Movie	For motion pictures such as movies
Game	For fast and dynamic pictures suitable with playing games.
Vivid	For bright and vivid picture setting.
Sport	Suggested settings for sporting events.
Custom	For custom picture settings.

Backlight

Adjust the backlight that affects the overall brilliance of the picture (0~100).

Advanced TV Settings – Video Menu

Contrast

Adjust the white level in the picture. Low contrast makes pictures look dark. High contrast makes pictures washed out (0~100).

Brightness

Adjust the brightness setting (0~100).

Color

Adjust the amount of color level in the picture (0~100).

Tint

Adjust the picture hue (-50~50).

Sharpness

Adjust the sharpness of the edges of elements in the picture.

Adaptive Backlight

Set Adaptive Backlight On or Off

Ambient Light Sensor

Select the sensitivity of the ambient light sensor to automatically adjust to light changes in the room (Off / Low / Medium / High).

Color Temperature

Color Temperature	Apply a preset color temperature setting (Custom / Cool / Natural / Warm)
Red / Green / Blue Gain	Adjust the red / green / blue gain settings according to your preference.
Red / Green / Blue Offset	Adjust the red / green / blue offset settings according to your preference.

Advanced Settings

Advanced TV Settings – Video Menu

Crystal Color	Crystal Color™ produces more vivid and crisp color pictures (Off / Normal / Rich).
Dynamic Contrast	Dynamic contrast automatically enhances the image for greater picture details (Off / Low / Medium / High).
Noise Reduction	Reduce the noise level (Off / Low / Medium / High).
Digital NR	Reduce noise level of digital signals (Off / Low / Medium / High).
Game Mode	Eliminate image lagging by disable TV images processing
Film Mode	Produce smoother motion pictures when viewing movies from video players connected via HDMI (Off / Auto).

Size & Position

Horiz. Position / Vertical Position	Adjust the horizontal / vertical position of the picture.
Horizontal Size / Vertical Size	Adjust the horizontal / vertical size of the picture.

Reset Picture Mode

Reset the picture mode settings to factory defaults.

Advanced TV Settings – Audio Menu

Audio Menu

XinemaSound™ 3D

Expansive and immersive, multi-dimensional surround sound experience.

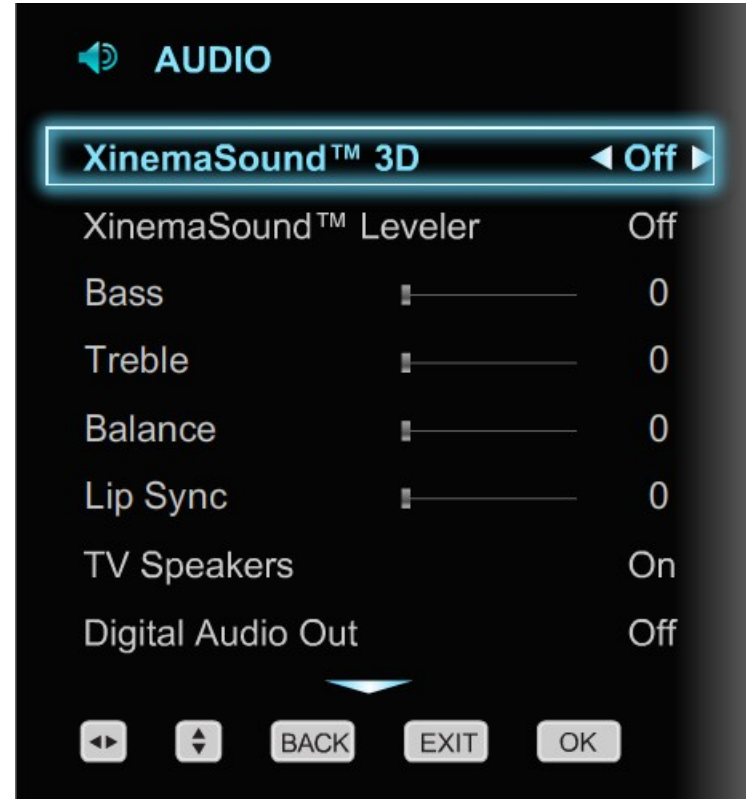
*When XinemaSound™ 3D is on, **Bass**, **Treble** and **Equalizer Settings** functions will not be available for adjustment*

XinemaSound™ Leveler

Delivers smooth, steady volume levels from the quietest sound to the loudest volume with exceptional audio clarity.

Bass

Adjust the bass level to your preference (-12~12).



Treble

Adjust the treble level to your preference (-12~12).

Balance

Adjust the audio level of the L/R channels of the speakers to your preference (-10~10).

Lip Sync

Adjust to match the movements and the lips of the person talking on the screen (0~5).

TV Speakers

Turn the internal speakers on or off.

Digital Audio Out

Select the type of digital audio output (Off / Dolby Digital / PCM).

Advanced TV Settings – Audio Menu

Analog Audio Out

Select the type of analog audio output (Fixed / Variable)

Equalizer Settings

Adjust the equalizer settings (120Hz / 500Hz / 1.5KHz / 5KHz / 10KHz)

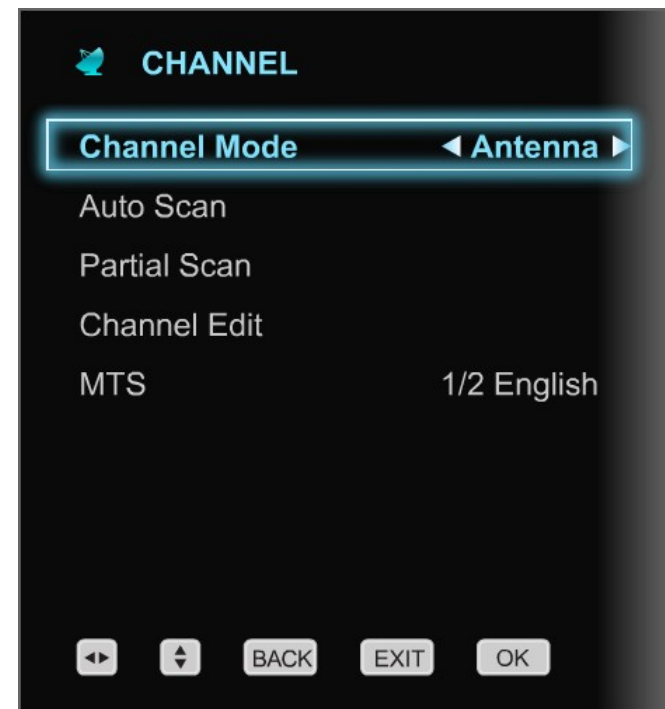
Reset Audio Mode

Reset the audio mode settings to default settings.

Channel Menu

Channel Mode

Select the TV channel input source (Antenna or Cable).



Auto Scan

The TV is equipped with a channel memory. When you run auto scan, the TV scans for channels with network signals and stores them in memory. It may take up to 15 minutes for the TV to scan and memorize digital cable channels, depending on reception conditions.

Partial Scan

You can partially scan for network signals within a specified range of channels. Select the Channel Mode (Analog+Digital / Analog / Digital) and range of channels you want the TV to scan for.

Channel Edit

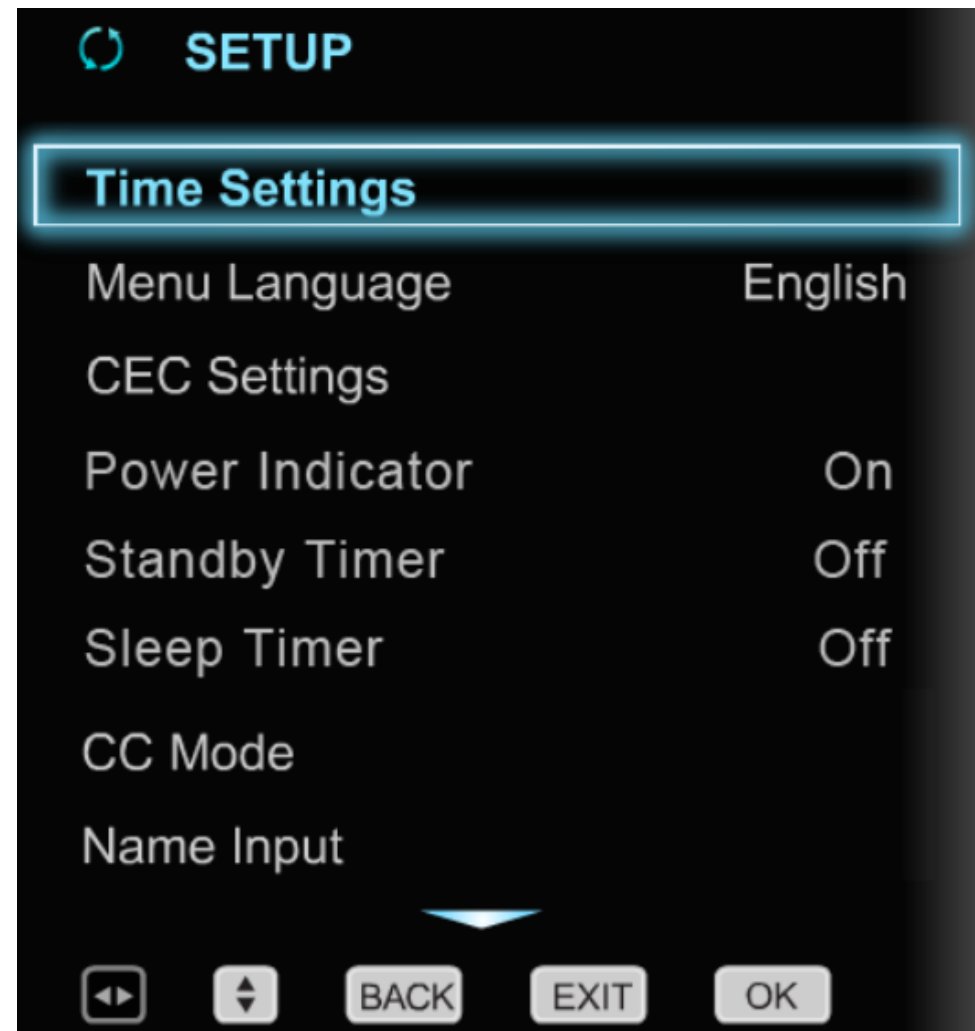
You can mark the channel as favorite or blocking a channel

MTS

You can choose different audio channel available in MTS (Multichannel Television Sound) encoded programs

Advanced TV Settings –Setup Menu

Setup Menu



Time Settings

Time Zone	Select a location to apply the time zone.
Daylight Savings	Enable or disable daylight savings time.

Menu Language

Select the on-screen menu language.

CEC Settings

CEC allows you to control devices using your TV remote control when the CEC devices are connected via HDMI.

CEC Function	Enable or disable the CEC function.
System Audio Control	Enable or disable system audio control (ARC, Audio Return Channel on HDMI-1).
Device Discovery	Select to view CEC devices

Advanced TV Settings –Setup Menu

Power Indicator

Turn On or Off the TV power indicator LED

Standby Timer

Select the TV stand-by timer (10 minutes or OFF).

Sleep Timer

Select a sleep timer option where the TV automatically turns off after the selected preset time (Off / 30 minutes / 60 minutes / 90 minutes / 120 minutes / 180 minutes).

CC Mode

Select this for Close Caption functions and controls

Name Input

The Name Input feature allows you to add a label name on an input source.

To label an input source, perform the following steps:

- 1 Press Menu
- 2 Press up or down to select “Setup”, and then press OK.
- 3 Press up or down to select “Name Input”, and then press OK.
- 4 Press up or down to select “Input Source” and then press OK.
- 5 Press up or down to select the input source that you want to label, and then press OK.

To select a custom label:

- 1 Press up or down to select “Input Labels” and then press OK.
- 2 Press up or down to select “Custom” and then press

Advanced TV Settings –Setup Menu

OK.

To enter the desired label:

- 1 Press up or down to select the text box and then press OK.
 - 2 Press up, down, left, or right to select a character, and then press OK.
 - 3 Press up, down, left, or right to select “OK”, and then press OK.
- 6** Press EXIT to close the menu screen.

Reset All TV Settings

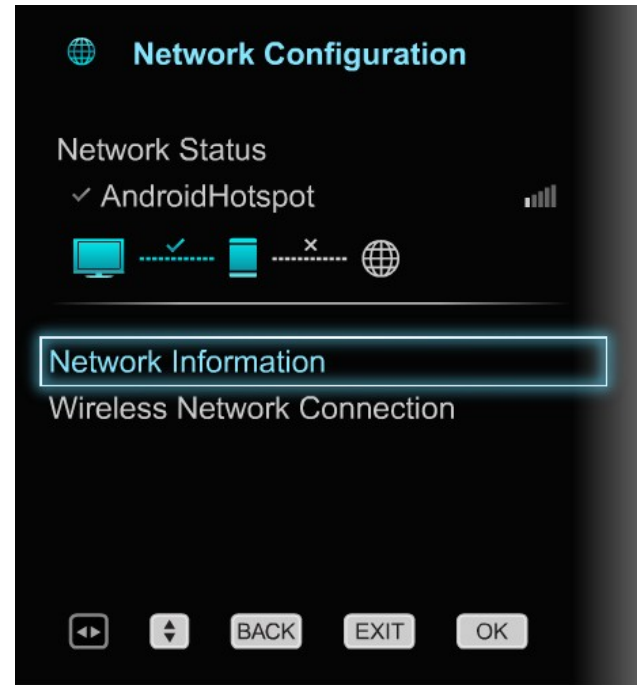
Reset all TV settings to default settings.

Reset to Factory Defaults

Reset all TV settings to factory default settings.

Advanced TV Settings – Network Configuration

Network Menu



Network Status

Select to display the status of the network the TV is connected to.

Network Information

Select to display network information such as the IP address, Subnet Mask, Gateway, and Preferred and Alternate DNS Server. IP Settings can be obtained manually or automatically.

Wireless Network Connection

Select to scan for available wireless networks. Choose your wireless network from list of available networks, and then press **OK**. When connection is made, the Network Status window for your network is displayed.

Advanced TV Settings – Parental Control

Parental Menu

Parental Control

The Parental Control feature allows you to control and restrict children from viewing or hearing violent scenes by Channel Lock, TV Rating, or Movie Rating.

Access Parental Control Menu



The Parental Control menu requires you to enter the password to access its submenu.

- 1 Press Menu
- 2 Press up or down to select “Setup”, and then press OK.
- 3 Press up or down to select “Parental Control”, and then press OK.
- 4 Enter the 4-digit password. Press down, left, or right to select “OK”, and then press OK to access the submenu.
- 5 Press up or down to select the submenu options, and then press OK to enter the submenu.

Restrict By Channel

Use the **Block Channel** feature to restrict viewing a specified channel. Once locked channel is selected, the TV displays a blank screen.

- 1 In the Parental Control menu, press up or down to select “**Block Channel**” and then press OK.

Advanced TV Settings – Parental Control

- 2 Press up or down to highlight the channel that you want to block.
- 3 Press < or > to block or unblock the channel
- 4 Press BACK to return to the previous screen or press EXIT to close the menu screen

Restrict By MPAA Rating

You can select which MPAA rating to block.

- 1 In the Parental Control menu, press up or down to select **MPAA Rating**, and then press OK.
- 2 Press up or down to select a rating, and then press < or > to block or unblock.
- 3 Press BACK to return to the previous screen or press EXIT to close the menu screen.

Change Password

- 1 In the Parental Control menu, press up or down to select “Change Password” and then press OK.
- 2 Enter a new password, and then press OK.
- 3 Re-enter the new password, and then press OK to complete the password change.

Advanced TV Settings – Support Menu

Support Menu

System Info

TV System – Displays TV information including model and serial numbers, and Ethernet and WLAN MAC addresses.

Signal Information – Displays input signal information including source and resolution.

Channel Information – Displays channel information including frequency, modulation, and signal quality.

Network Status – Displays the type of network and its information including IP Address, Gateway, DNS, etc.



Deactivate Netflix

Deactivate your Netflix streaming service via I.C.E.™ Apps

Deactivate Vudu

Deactivate your Vudu streaming service via I.C.E.™ Apps

Initial Setup

Launches the One-Time Set Up Wizard (see Chapter 8 for details)

User Manual

Launches TV user manual

Contact JVC

Obtains JVC customer service contact phone number and website information

Troubleshooting

If your TV fails to work properly, check the following guidelines for possible causes and solutions. Consult with your local dealer or service outlet if problems persist.

Problem	Solution
No Power	<ul style="list-style-type: none">• Make sure the power cord is plugged in.• The power is off; press Power button to turn on the TV.• Try another outlet.• Unplug the unit for an hour, and then plug it back in.
Poor or No Sound	<ul style="list-style-type: none">• Press the VOL Up button on the remote control or the VOL+ button on the TV.• Press MUTE button on the remote control to ensure mute is not on.• The channel or cable TV broadcast is experiencing problems. Tune to another channel.• Check the TV audio settings.• Check for possible sources of interference.
Poor or No Picture	<ul style="list-style-type: none">• The channel or cable TV is experiencing problems. Tune to another channel.• Make sure that channels are set into memory.• Check the antenna or cable TV connections.

Troubleshooting

	<ul style="list-style-type: none">• Check for possible sources of interference.
Poor Reception on Some Channels	<ul style="list-style-type: none">• The channel or cable TV broadcast is experiencing problems. Tune to another channel.• Make sure that channels are set into memory• The network signal is weak. Adjust the antenna to receive a better reception• Check for possible sources of interference.
The Remote Control does not work	<ul style="list-style-type: none">• Batteries may be weak, dead, or inserted incorrectly.• Point the remote control directly at the IR sensor on the TV with an angle of 35 degrees.• Remove any obstacles between the remote control and the TV.• Remote control is out of range. Move closer to the TV.
TV Shuts Off	<ul style="list-style-type: none">• Sleep timer is set.• Power is interrupted.
No CATV Reception	<ul style="list-style-type: none">• Check all cable TV connections.• Set the TV Mode in Channel menu.
Closed Caption is not activated	<ul style="list-style-type: none">• The channel/program is not a closed caption broadcast. Try another channel.• Enable Closed Caption in the Menu.

Troubleshooting

No Internet Access (Hard Line)

Wired Network

- Check the Ethernet cable. Try unplug and plug again
- Check home router or network switches, make sure they are turned on
- On TV menu, choose **NETWORK > NETWORK INFORMATION**. Make sure **AUTO** is chosen in **OBTAIN IP SETTINGS**
- Try if you can access internet with PC or other devices through the same router or network switches

No Internet Access (Wireless)

Wireless Network

- Make sure home wireless router is turned on
- Make sure your wireless router is not hiding the wireless network SSID
- Make sure you remember your home wireless network SSID and Password
- On TV menu, choose **NETWORK > WIRELESS NETWORK CONNECTION**. Choose **SCAN**
 - If you see your home network SSID, choose it and enter password
 - If you don't see your home network SSID, Try reboot the wireless router
- Try if you can access internet with PC or other devices through the same wireless router

Troubleshooting

No 3D contents

- Make sure the source device support 3D format. Contact the manufacturer if you are not sure
- Make sure the disc or streaming program is 3D encoded
- Try turn off the TV and source device. Wait for 2 minutes, turn on TV and then the 3D sources device. Insert the 3D disc again

Seeing a split screen is displayed rather than 3D

- Press **3D** button on remote, try different 3D formats, e.g. **SBS** (Side by Side), **TB** (Top and Bottom) or **Sensio**

Specifications

JLE55SP4000 55" 1080p, 120Hz, Smart, 3D, BlackSapphire™ E-LED HDTV

Display Specification	
Size Class (Diagonal)	55" (54.6 diagonal)
Resolution/Aspect	1920 x 1080 / 16:9
Backlit	Edge LED
Frame Rate	120Hz CrystalMotion™
Contrast Ratio	20M:1 (Dynamic)
3D	
3D Capability	Built-in, XinemaView 3D™
3D Type	FPR 3D
3D Glasses	4 pairs of battery free 3D glasses
Internet	
Internet Capability	Yes, I.C.E.™ platform
Wireless Connectivity	Built-in, WiFi 802.11n Single Band
Preloaded Internet Apps	ICE apps™: SlingPlayer, Netflix, Vudu, YouTube, Pandora,
TV Features	
Color Enhancement	Yes, CrystalColor™
Built-in NTSC/ ATSC/ Clear QAM tuner	Yes

PIP/POP	No
Close Caption	Yes
Audio	
Audio Technology	XinemaSound 3D™
Graphic Equalizer	Yes
Speaker Output Power	45W (15Wx2 + 15W woofer)
Convenience Features	
Ambient Sensor	Yes
Interactive Setup Guide	Yes
Input Port Naming	Yes
Audio Only Mode	Yes
Gaming Mode	Yes
HDMI-ARC	Yes, HDMI - 1
HDMI-CEC	Yes
USB Multimedia	Picture, Music, Video
Remote	IR, with QWERTY Keypad
Energy Saving Features	
Auto Power Off (DPMS)	Yes
Energy Star	Yes

Specifications

Input / Output		
Input	Antenna in	1
	HDMI	4 (side)
	Component	1 (shared with composite)
	Composite (RCA)	1
	VGA/RGB	1
	Music port	1 (shared with PC Audio)
	USB	2 (side)
Output	Optical Digital Audio Out	1
	Stereo Audio Out	1
Mechanical		
Wall Mount Pattern	VESA (400x400mm), M8 screw	
Without Stand (approx.)	48.9" x 28.9" x 2.2", 47.3 lbs	
With Stand (approx.)	48.9" x 30.9" x 10.6", 53.9 lbs	
Power Consumption		
Input Voltage	120V AC	
Max Power Consumption	Max: 150W Standby: <1W	

CrystalMotion™ is a set of motion enhancement technologies including Motion-Estimation/ Motion-Compensation or Backlight Scanning or both

Supported Resolutions

RGB for VESA Standard

Mode No.	Resolution	Refresh Rate (Hz)	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Horizontal Sync Polarity (TTL)	Vertical Sync Polarity (TTL)	Pixel Rate (MHz)	Remark
1	640 x 480	60	31.460	59.940	N	N	25.170	Windows
2	640 x 480	75	37.500	75.000	N	N	31.500	Windows
3	720 x 400	70	31.460	70.080	N	P	28.320	DOS
4	800 x 600	60	37.870	60.310	P	P	40.000	Windows
5	800 x 600	72	48.070	72.180	P	P	50.000	Windows
6	800 x 600	75	46.870	75.000	P	P	49.500	Windows
7	1024 x 768	60	48.360	60.000	N	N	65.000	Windows
8	1024 x 768	70	56.470	70.060	N	N	75.000	Windows
9	1024 x 768	75	60.020	75.020	P	P	78.750	Windows
10	1280 x 800	60	49.68	60	P	P	83.462	Windows
11	1280 x 720	60	45.0	60	P	P	75.25	Windows
*12	1920 x 1080	60	66.587	59.934	P	N	138.500	Windows

Remark: P = Positive, N = Negative, * = Primary mode

Resolution (1920 x 1080) Through RGB (15-pin D Connector)

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	59.934 Hz
Sync Polarity	P	N
Pixel Rate (MHz)	138.5	
Refresh Rate (Hz)		59.934

Supported Resolutions

FHD Video Digital Present Modes at HDMI

Mode No.	Resolution
1	480i
2	480p
3	720p
4	1080i
5	1080p

Video Input

Mode No.	Resolution
1	480i
2	480p
3	720p
4	1080i
5	1080p

Limited Warranty

On Parts and Labor

This Limited Warranty covers units that are purchased as new and in the United States Only. This Product is manufactured, distributed, and warranted by AmTRAN Video Corporation (hereinafter known as “Warrantor”) under brand license by JVC KENWOOD Corporation. The Warrantor provides a warranty to the original purchaser of a new Product against defects in materials and workmanship for a period of one (1) year of non-commercial usage and ninety (90) days of commercial use. If a Product covered by this warranty is determined to be defective within the warranty period, the Warrantor will either repair or replace the Product at its sole option and discretion.

To obtain warranty service, contact Technical Support:

Visit the Web Site: **go.jvc.com/HDTVSupport**

Or call our Customer Support and Service Center

1-855-868-1928

PRE-AUTHORIZATION MUST BE OBTAINED BEFORE SENDING ANY PRODUCT TO A DESIGNATED SERVICE CENTER. Proof of purchase in the form of a purchase receipt or copy thereof is required to show that a Product is within the warranty period.

Parts and Labor

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

Types of Service

Defective Products must be sent to the designated service center to obtain warranty service. The Warrantor is not responsible for the transportation costs to the service center, but will cover the costs for return shipping to the customer.

PRE-AUTHORIZATION IS REQUIRED BEFORE SENDING ANY PRODUCT TO A DESIGNATED SERVICE CENTER FOR WARRANTY SERVICE.

Product returned to designated service centers must either utilize the original carton box and shipping material or packaging that affords an equal degree of protection. Technical Support will provide instructions for packing and shipping the Product to the designated service center.

Limitations and Exclusions

The Warrantor’s one-year limited warranty only covers defects in materials and workmanship. This warranty does not cover product issues caused by any other reason including, but not limited to, cosmetic damage, normal wear and tear, improper operation, improper voltage supply or power surges, signal issues, damages from shipping, acts of God, any type of customer misuse, modifications or adjustments, as well as installation and setup issues or any repairs attempted by anyone other than by a authorized service center. Products with unreadable or removed serial numbers, or requiring routine maintenance are not covered. This one-year limited warranty does not cover Products that are sold “As-Is”, “Open Box”, “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. THE WARRANTOR’S

Limited Warranty

TOTAL LIABILITY FOR ANY AND ALL LOSSES AND DAMAGES RESULTING FROM ANY CAUSE WHATSOEVER INCLUDING WARRANTOR'S NEGLIGENCE, ALLEGED DAMAGE, OR DEFECTIVE GOODS, WHETHER SUCH DEFECTS ARE DISCOVERABLE OR LATENT, SHALL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE PRODUCT. THE WARRANTOR SHALL NOT BE RESPONSIBLE FOR LOSS OF USE, LOSS OF INFORMATION OR DATA, 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 TV.JVC.COM FOR THE MOST CURRENT VERSION.

PERSONAL DATA

If your 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, we recommend that you always clear all personal information from the Product before it is serviced, regardless of the servicer.

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For details of any open source software on your JVC device, please visit the following web site:

<http://go.jvc.com/HDTVSupport>.

Please note that we are unable to answer any inquiry relating to the contents, etc of the source code.

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