Español

USER MANUAL

Antes de utilizar el televisor, lea detenidamente este manual, consérvelo para futuras referencias.

Hisense

INNOVATION IS LIFE

Hisense
INNOVATION IS LIFE

USER MANUAL

Before using the TV, please read this manual thoroughly and retain it for future reference.

ES-G

English

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

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

FCC Statement

NOTE:

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

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

⚠ WARNING

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority.

Energy Star

Your Hisense TV is ENERGY STAR ® qualified in the "energy saving " mode. It meets strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and Department of Energy. ENERGY STAR is a joint program of these government agencies, designed to promote energy efficient products and practices. Changes to certain features, settings, and functionalities of this TV (i.e. TV Guide, Picture, Sound) can increase or change the power consumption. Depending upon such changed settings, the power consumption may exceed the limits required for the ENERGY STAR qualification in the "energy saving " mode.

☑ NOTE

Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

This TV incorporates High-Definition Multimedia Interface (HDMI™) technology.
HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

CHILD SAFETY:
It Makes A Difference How and Where You Use Your Flat Panel Display

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 flat panel displays are popular purchases. However, flat panel displays are not always supported on the proper stands or installed according to the manufacturer's recommendations.
- Flat panel displays 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 flat panel display.
- 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 flat panel displays 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" flat panel display. 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 flat panel display so that they cannot be pulled or grabbed by curious children.

WALL MOUNTING: IF YOU DECIDE TO WALL MOUNT YOUR FLAT PANEL DISPLAY, ALWAYS:

- Use a mount that has been recommended by the display manufacturer and/or listed by an independent laboratory (such as UL, CSA, ETL).
- Follow all instructions supplied by the display and wall mount manufacturers.
- If you have any doubts about your ability to safely install your flat panel display, contact your retailer about professional installation.
- Make sure that the wall where you are mounting the display is appropriate. Some wall mounts are not designed to be mounted to walls with steel studs or old cinder block construction. If you are unsure, contact a professional installer.
- A minimum of two people are required for installation. Flat panel displays can be heavy.

CEA
Consumer Electronics Association
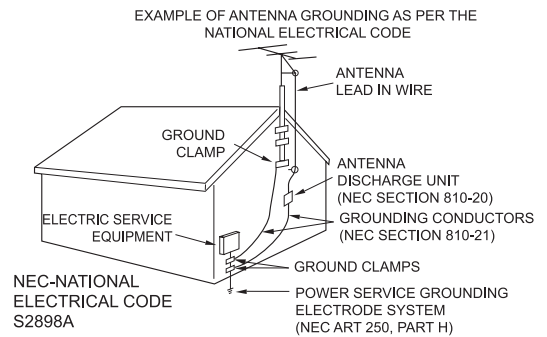
www.CE.org/safety

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with 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.

S3125A

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. 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.
15. Apparatus should not be exposed to dripping or splashing, and objects filled with liquids, such as vases, should not be placed on the apparatus.
16. 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.
17. Do not overload wall outlets and extension cords, as this can result in a risk of fire or electric shock.
18. 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.
19. 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.

EXAMPLE OF ANTENNA GROUNDING AS PER THE NATIONAL ELECTRICAL CODE

ANTENNA LEAD IN WIRE
GROUND CLAMP
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
GROUNDING CONDUCTORS (NEC SECTION 810-21)
ELECTRIC SERVICE EQUIPMENT
GROUND CLAMPS
NEC-NATIONAL ELECTRICAL CODE S2898A
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)

20. 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.
21. 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.
22. 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.
23. 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 hearing damage.

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 LCD Panel on for long periods of time while it is displaying the following formats or images:
- Fixed Images, such as stock tickers, video game patterns, TV station logos, and websites.
- 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 limitation. Therefore we disclaim any responsibility for these symptoms.
- 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 a malfunction.
- Do not install the LCD Panel 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.

Declaration of Conformity

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.

End of life directives

Your TV also contains material that can be recycled and reused. For disposal or recycling information, contact your local authorities or the Electronic Industries Alliance at www.eia.org to find a recycler in your area.

Non-active pixels

The LCD panel contains almost 3 million thin film transistors, which provide exceptionally sharp video quality. Occasionally, a few non-active pixels may appear on the screen as a fixed black (in the case of a dead pixel), blue, green, or red point. These non-active pixels do not adversely affect the performance of your TV, and are not considered defects.

Power source

TO USE AC POWER
1. The power cord is attached to the TV at the factory.
2. Connect the AC cord into an AC outlet.

⚠ **WARNING**

Do not connect this unit to the power using any device other than the supplied AC cord. This could cause fire, electrical shock, or damage.

Do not use with a voltage other than the power voltage specified. This could cause fire, electrical shock, or damage.

⚠ **CAUTION**

When this unit is not used for a long time, (e.g., away on a trip) in the interest of safety, be sure to unplug it from the AC outlet.

Do not plug/unplug the AC cord when your hands are wet. This may cause electrical shock.

Contents

Getting Started

Basic Features

Other Information

When Installing the TV Against a Wall or Enclosed Area

Make sure that your TV has adequate air circulation. Allow enough space around the TV as shown below. Avoid operating the TV at temperatures below Inadequate air 41°F (5°C).

Install with stand

12 inches
(30cm)

4 inches
(10cm)

4 inches
(10cm)

2 ⅜ inches
(6cm)

Leave at least this much
space around the set.

Install on the wall

12 inches
(30cm)

4 inches
(10cm)

4 inches
(10cm)

Leave at least this much
space around the set.

4 inches
(10cm)
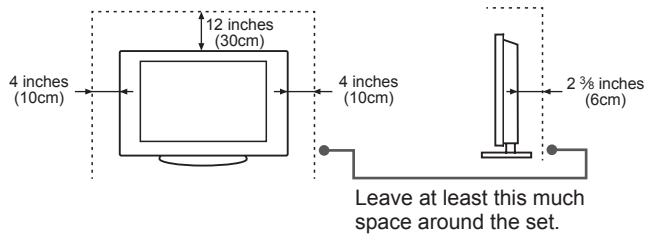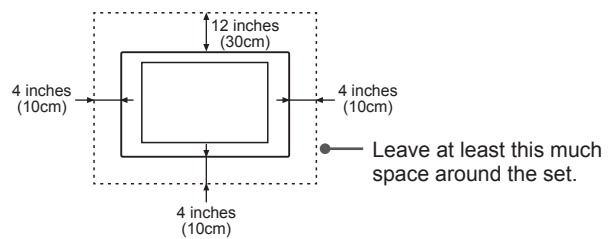
Never install the TV set as follows:

Air circulation is blocked.

Wall

Wall
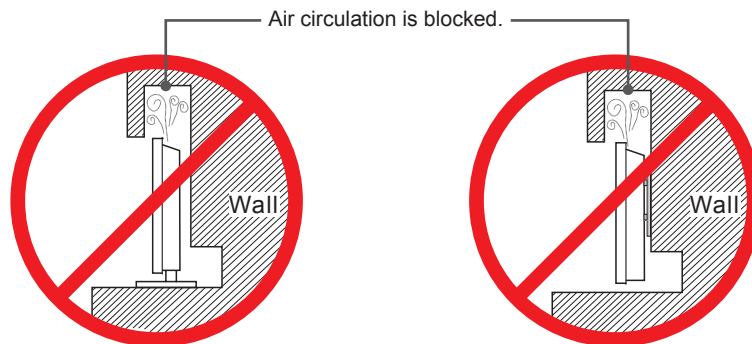
**Inadequate air circulation can lead to overheating of the TV and
may cause damage to your TV or cause a fire.**

Viewing the Remote Control

Remote sensor

Power on/off

Select input source

Enter TV source

Select AV Component HDMI VGA source

Select picture mode

Zoom button

Select sound mode

Open the DTV program guide
(not available)

Display the information banner

Increase volume

Next channel

Decrease volume

Previous channel

Mute button

Menu button

Close the menu

▲/▼/◄/►
Move Up/Down/Left/Right
or adjust settings

ENTER

Confirm selections

Direct channel selection

1 2 3
4 5 6
7 8 9

Dash button
Select a digital sub-channel

Go to the previous channel

Function buttons
(not available)

Adjust CC mode

Set the sleep timer

Audio select button
Mono/Stereo/SAP operation

Display favorite list

☑ NOTES

- Illustrations are for your reference only.

Installing Batteries in the Remote Control

▶ Change the batteries

1. Slide the back cover to open the battery compartment of the remote control.
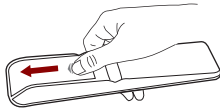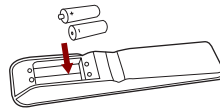2. Insert two AAA size batteries. Make sure to match the (+) and (-) ends of the batteries with the (+) and (-) ends indicated in the battery compartment.
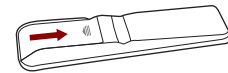3. Close the battery compartment cover.

❶ Gently push and slide   ❷ Insert the batteries   ❸ Gently push and slide

☑ NOTES

1. Dispose of your batteries in a designated disposal area. Do not throw the batteries into a fire.
2. Do not mix battery types or combine used batteries with new ones.
3. Remove depleted batteries immediately to prevent battery acid from leaking into the battery compartment.
4. If you do not intend to use the remote control for a long time, remove the batteries.
5. Batteries should not be exposed to excessive heat, such as sunshine, heat registers, or fire.
6. Battery chemicals can cause a rash. If the batteries leak, clean the battery compartment with a cloth. If chemicals touch your skin, wash immediately.
7. Do not mix old and new batteries.
8. Do not mix alkaline, standard (carbon-zinc) or rechargeable (ni-cad, ni-mh, etc.) batteries.

Program Your Universal Cable or Satellite Remote Control to Operate Your New Hisense Television!

If you would like to program your other household remote controls to your new Hisense television,please consult the User's Manual supplied by your Cable or Satellite provider. The Cable or Satellite providers'User's Manuals should include instructions on how to program their remote to your television.

Below is a list of Hisense codes for the most common Cable and Satellite providers. Use the Hisense code that is associated with your Cable or Satellite provider (if applicable).

DIRECTV……………………..…0178 or 10019

Time Warner Cable…………….386 or 0178

Comcast…………………………0178 or 10178

Cox Communications……….…0178

Dish Network……………………627 or 505

If the Hisense code associated with your Cable or Satellite provider is not listed above,if the code above does not work, or if you cannot locate the instructions for programming your household remote to your television,call your local Cable or Satellite provider's customer service center.

▶ The effective range of remote control

1. The remote control distance: 315 inches in front of the TV set.
2. The remote control angle: taking the television infrared light receiver window as an apex, 236 inches away, its controlled angle (left to right) is within 30 degrees, while the vertical angle (up to down) is within 30 degrees.
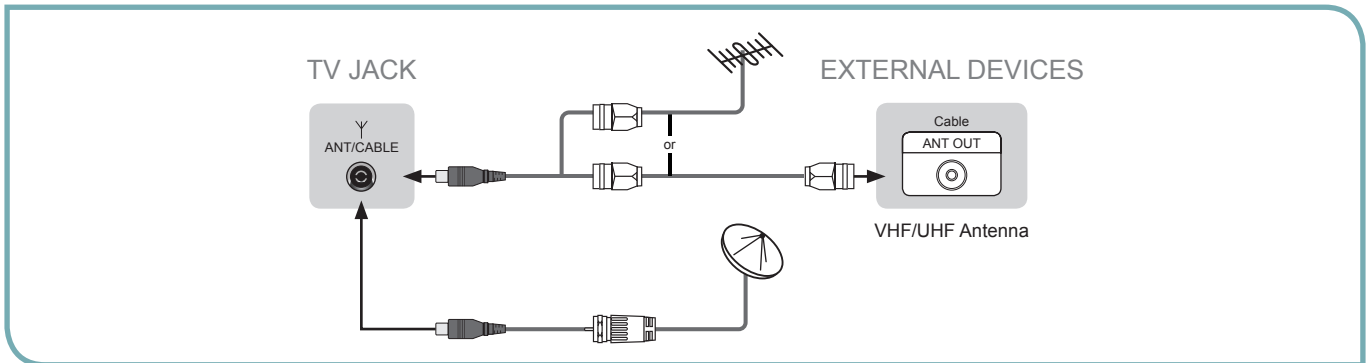
Making connections

☑ NOTES

- Check the jacks for position and type before making any connections. Loose connections can result in image or color problems. Make sure that all connections are tight and secure.
- Not all A/V devices have the ability to connect to a TV, please refer to the user's manual of your A/V device for compatibility and connections procedure.
- Always unplug the power cord when connecting external equipment.
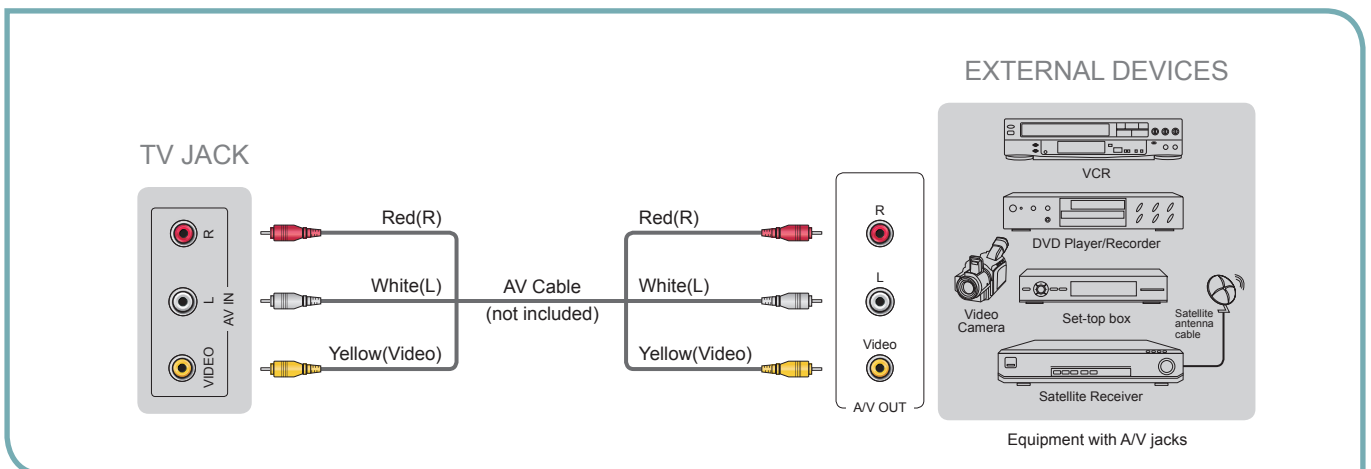
⊡ Connecting an antenna, cable or cable/satellite box

1. Turn off the TV before connecting the antenna.
2. Connect one end of a coaxial cable (not included) to the RF OUT jack on the antenna, cable or cable/satellite box. If you are using an antenna with twin-lead cable, you may need a 300-75 ohm adapter (not provided) to connect it to the back of your TV. Likewise, if you are using several antennas, you may need a combiner (not provided).
3. Connect the other end of the cable to the ANT/CABLE IN jack on the side of your TV.

TV JACK   EXTERNAL DEVICES

ANT/CABLE   Cable
                                     ANT OUT

                              or

                                     VHF/UHF Antenna

⊡ Connecting an A/V Device with Composite Cable

1. Use the audio and video cables to connect the external A/V device's composite video/audio jacks to the TV's jacks. (Video = yellow, Audio Left = white, and Audio Right = red)
2. Plug the connected devices into the mains socket before switching on the TV.
3. Select the corresponding source from the TV.

EXTERNAL DEVICES

TV JACK

R

L
AV IN

VIDEO

Red(R)   Red(R)   R

White(L)   White(L)   L
AV Cable
(not included)

Yellow(Video)   Yellow(Video)   Video

A/V OUT

VCR

DVD Player/Recorder

Video Camera   Set-top box   Satellite antenna cable

Satellite Receiver

Equipment with A/V jacks

▪ Connecting an A/V Device with Component (YP$_B$P$_R$) Cable

1. Use a component cable to connect the external A/V device's component output jacks to the TV's YP$_B$P$_R$ jacks. Use an audio cable to connect the external A/V device's component audio jacks to the TV's AUDIO (L/R) jacks.
2. Plug the connected devices into the mains socket before switching on the TV.
3. Select the corresponding source from the TV.

Equipment with A/V jacks
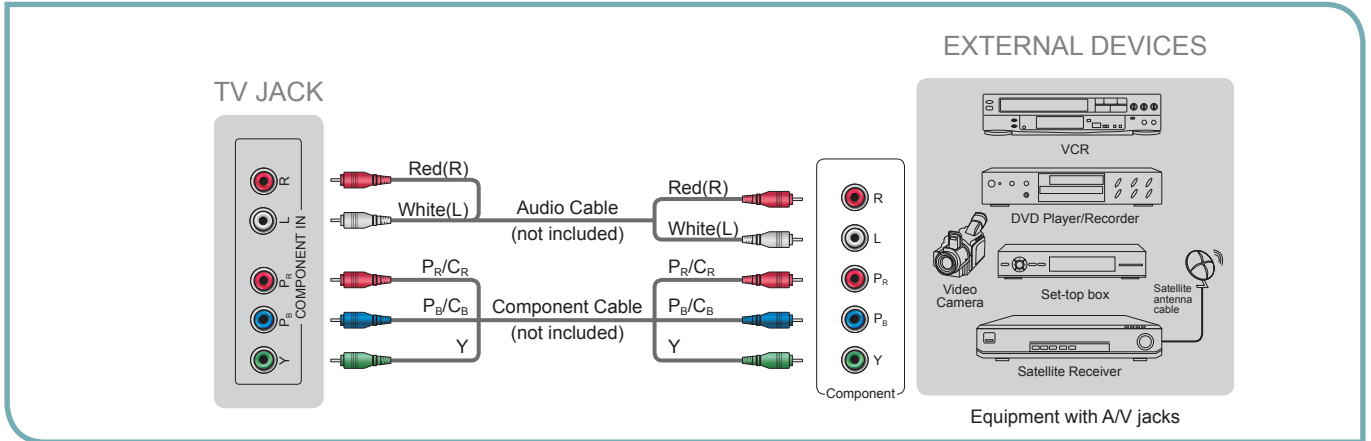
▪ Connecting an A/V Device with HDMI Cable

- Support digital connections between HDMI - enabled AV devices such as PVR, DVD, Blu-ray, AV receiver and digital devices.
- Some devices such as PVR or DVD player require HDMI signal to be set to output in the device's settings.
- Please consult your device user manual for instructions.

1. Use an HDMI cable to connect the A/V device's HDMI output jack to the TV's HDMI jack.
2. Plug the connected devices into the mains socket before switching on the TV .
3. Select the corresponding source from the TV.
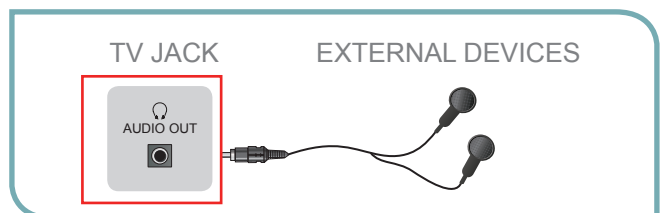

Equipment with HDMI jacks
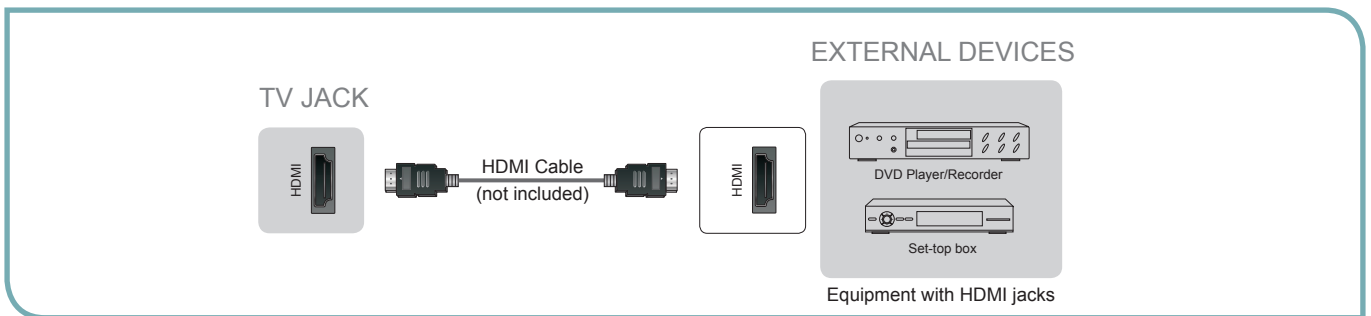
☑ NOTE

The HDMI connector provides both video and audio signals, it's not necessary to connect the audio cable.
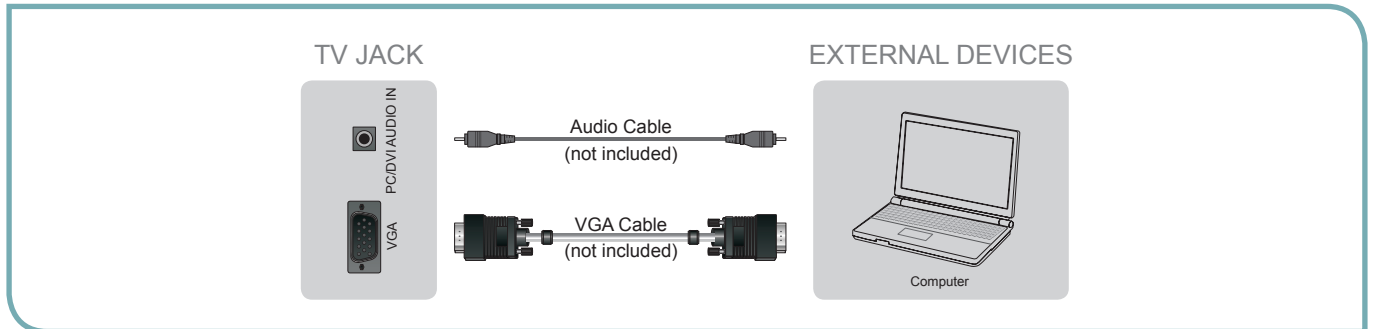
▪ Connecting a headphone

Headphones can be connected to the HEADPHONE output on your set. (While the headphone is connected, the sound from the built-in speakers will be disabled.)

Connecting a PC with VGA Cable

1. Use a VGA cable to connect the PC's VGA output jack to the TV's VGA jack. Use an audio cable to connect the PC's audio output jack to TV's VGA AUDIO IN jack.

2. Plug the connected devices into the mains socket before switching on the TV.

3. Select the corresponding source from the TV.

TV JACK   EXTERNAL DEVICES

PC/DVI AUDIO IN

Audio Cable
(not included)

VGA

VGA Cable
(not included)

Computer

☑ NOTES

- Primarily this unit is intended for use as an LCD TV. If you want to use it as a monitor, please contact the manufacturer of the PC Video/Graphic's card for further support. Perfect compatibility is not warranted.

- The VGA cable will not supplied with the product.

- We strongly recommend to use VGA cable with 2 cores as shown in the figure.

Connecting an Audio Receiver with Digital Audio out cable

1. Use a coaxial cable to connect the A/V device's digital audio in jack to the TV's DIGITAL AUDIO OUT jack.

2. Plug the connected devices into the mains socket before switching on the TV.

3. Select the corresponding source from the TV.

EXTERNAL DEVICES

TV JACKS

DIGITAL
AUDIO OUT

Audio Amplifier   Powerless
Bass Speaker   Speaker
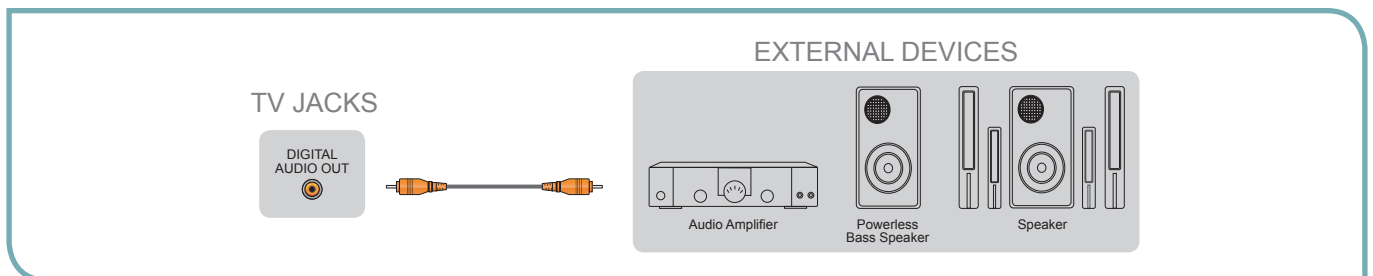
☑ NOTES

- When a digital audio system is connected to the DIGITAL AUDIO OUT (COAXIAL) jack, decrease the volume of both the TV and the system.

- 5.1 CH (channel) audio is available when the TV is connected to an external device supporting 5.1 CH.

- When the receiver (home theater) is set to on, you can hear sound output from the TV's digital audio out jack. When the TV is receiving a DTV signal, the TV will send 5.1 CH sound to the home theater receiver. When the source is connected to the TV via HDMI, only 2 CH audio will be heard from the home theater receiver. If you want to hear 5.1 CH audio, connect the digital audio out jack from your DVD/Blu-ray player/cable box/STB satellite receiver directly to an amplifier or home theater.

Turning your TV on or off

To turn your TV on or off (standby mode):

1. Plug the power cord into an AC power outlet.
2. Press [POWER] button. Your TV turns on.
3. Press [POWER] button again to turn off your TV. When you turn off your TV, it goes into standby mode.

⚠ WARNING

When your TV is in standby mode, it is still receiving power. To completely disconnect power, unplug the power cord.
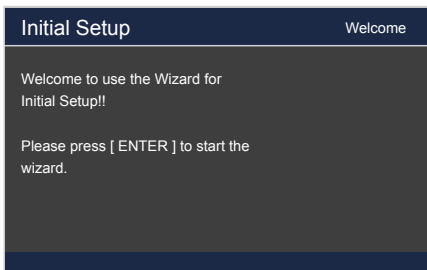
☑ NOTE

If your TV does not receive an input signal for several minutes, it automatically goes into standby mode.

## Turning the TV On for the First Time

The Setup Wizard menu appears the first time you turn on the TV. It will assist you to specify the menu language, Picture Mode, Tuner Mode and Channel Installation.

**IMPORTANT: Make sure that the antenna or cable is connected.**

1. Make sure that you have:

   Installed the remote control batteries.

   Connected an antenna or cable.

   Connected the power cord.

2. Connect your TV's power cord to a power outlet, then press power. The Initial Setup screen opens.

Initial Setup	Welcome
Welcome to use the Wizard for Initial Setup!! Please press [ENTER] to start the wizard.	

3. Please press [ENTER] to start the wizard, then press [▲/▼] button to select your language, press [ENTER] button to confirm.

Initial Setup	Language
Please select your language:	English Español Français
◀ Back　▲▼ Select　◀ Next　EXIT Exit	
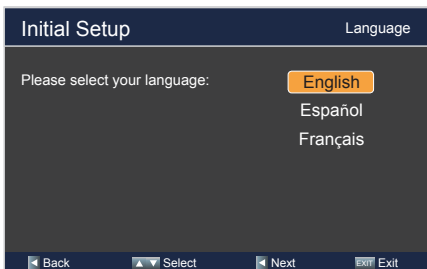
4. Press [▲/▼] to select your Picture Mode: Home Mode or Retail Mode, press [ENTER] button to confirm.

Initial Setup	Picture Mode
Choose Your Picture Mode:	Home Mode Retail Mode
◀ Back　▲▼ Select　◀ Next　EXIT Exit	
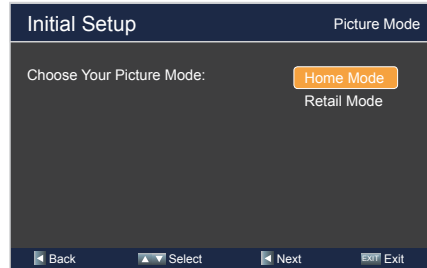
If you select Retail Mode, a message appears "If you select Retail Mode, then Energy saving is not realized. Are you sure?" Select "Yes" to continue, or select "No" to change your selection.

5. Press [▲/▼] to select your Tuner Mode: Antenna or Cable, press [ENTER] button to confirm.

Initial Setup	Tuner
Please select your tuner mode:	Antenna Cable
◀ Back　▲▼ Select　◀ Next　EXIT Exit	
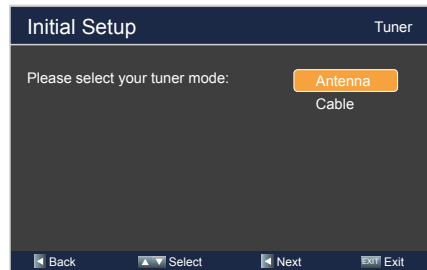
6. Press [▲/▼] to set the Channel Installation: Scan or Skip Scan, press [ENTER] button to confirm.

Initial Setup	Channel Scan
First, please connect cable and/or antenna. Start channel scan now? If you skip this step, the channel scan could be performed in Menu.	Scan Skip Scan
◀ Back　▲▼ Select　◀ Next　EXIT Exit	
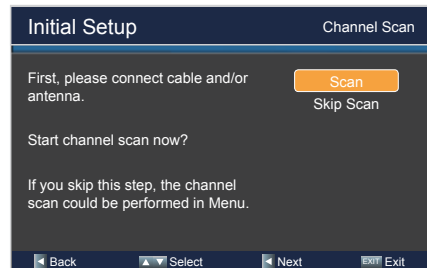
- If you select "Scan", your TV automatically starts Channel Installation available in your viewing area.
- If you select "Skip Scan", your TV does not scan for channels.
- Depending on the reception condition, it may take several minutes to scan channels. Please allow the process to complete without interruption.

Selecting the Input Source

The first time you turn on your TV, you must select the TV signal source. Your TV stores this information, so you do not need to change the TV signal source unless it changes. For example, you change from an outside antenna to cable TV.

To select the video input source:

1. Turn on your TV, then press [INPUT] button on the remote or on the TV. The Input Source menu opens.
2. Press [▲/▼] button to highlight the input source, then press [ENTER] button.
3. Press [POWER] button again to turn off your TV. When you turn off your TV, it goes into standby mode.

Changing Channels / Volume

1. Press the [CH Λ/V] on the TV/remote control to change the channel.
2. Press the [VOL Λ/V] (or [VOL +/-]) on the TV/remote control to adjust the volume.
3. Press the numeric buttons on the remote control to display the corresponding channels.

☑ NOTE

Changing the channels can also be achieved by directly entering the channel number using the numeric keys on the remote control. If you are entering a two or three digit channel number, the time between key presses should be less than 3 seconds.

Shortcuts Instructions

**Aspect -** Select the screen aspect ratio from Normal, Wide, Zoom and Cinema.

Normal: The original 4:3 aspect ratio (1.33:1 signal) is preserved, so black bars are added to the left and right of the image. Standard TV broadcasts are displayed with a 4:3 aspect ratio.
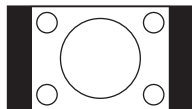
Wide: When watching a standard broadcast or full-frame movie in this mode, the display image is stretched proportionately to fill the TV screen. When watching a widescreen (1.78:1 signal) program or movie, the display image fills the TV screen.
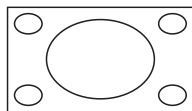
Auto: Automatically adjusts the image based on the screen size and the TV program.
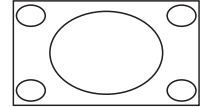
Note: Auto is only available when Auto Zoom in the Channels menu is set to On.

Zoom: Stretch the 4:3 aspect ratio image vertically and horizontally to fill the screen at 1:1.78 aspect ratio.

Cinema: Stretch the 4:3 aspect ratio image vertically and horizontally to fill the screen at 1:2.35 aspect ratio.
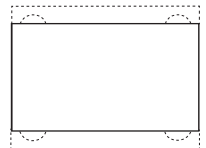
Picture - Press to set the picture mode. It can be set as Vivid, Standard, Energy Savings, Theater or Custom. This mode achieves a certain image display effect by setting the brightness, contrast and color etc.

Sound - Press to set the sound mode. It can be set as Standard, Theater, News, Music and Custom.

Mute - Press to turn the sound off, press this button again to turn the sound back on. This function is used to switch off sound temporarily.

Sleep - It can set the TV to let it enter into the Standby state automatically. Press this button repeatedly to select the proper sleeping clock mode, and the clock tells you the remaining time before the TV enters Standby state.

Display - Display the information banner. The information including channel number, channel name, current system time, tuner mode, audio stream, video format, audio language, closed caption mode, parental locks rated, program details, etc.

To Use the Menu

1 Press the [Menu] to open the main menu.

2 Press [▲/▼] to select a menu option, then press [▶/ENTER] button to enter the menu.

3 In each menu, you can:
Press [▲/▼] to select an item,
Press [◄/►] to adjust the value, or
Press [▶/ENTER] to enter the submenu,
Press [MENU] to back the previous menu.

4 Press [EXIT] to exit the menu.

Video

Picture Mode		◄►
Brightness		50
Contrast		50
Saturation		50
HUE		50
Sharpness		50
Advanced Video		▐▶
Reset Video Settings		▐▶

▲ ▼ Select   MENU Back
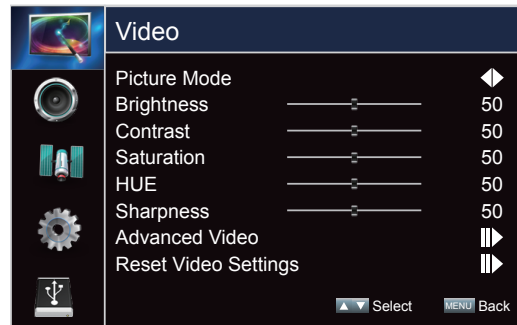
☑ NOTE

The menus in the user manual may vary slightly from the actual screen.

Using the Video Menu

Video

Picture Mode		◄►
Brightness		50
Contrast		50
Saturation		50
HUE		50
Sharpness		50
Advanced Video		▐▶
Reset Video Settings		▐▶

▲ ▼ Select   MENU Back

You can adjust:

Picture Mode - Adjust the Picture Mode. You can select Vivid, Standard, Energy Savings, Theater or Custom..

Brightness - Increase or decrease the brightness of the picture. Increasing the brightness can add more light to dark areas of the picture, while decreasing the brightness can add more darkness to light areas of the picture.

Contrast - Increase or decrease the contrast of the picture. Increase the contrast to adjust the white areas of the picture or decrease the contrast to adjust the black areas of the picture.

Saturation - Adjust the intensity of the colors.

HUE - Adjust the overall color of the picture.

Sharpness - You can increase the sharpness level for clearer images or decrease the sharpness level for smoother images.

Advanced Video - Access advanced video settings such as Back Light, Color Temperature and DNR.

Advanced Video

Back Light		99
Aspect Ratio		Wide ◄►
Color Temperature		Cool ◄►
Overscan		On ◄►
DNR		Medium ◄►
Adaptive Luma Control		On ◄►
Adaptive Back Light		LOW ◄►

▲ ▼ Select   MENU Back

Back Light: Sets the overall brilliance of the screen. When the option of Adaptive Back Light sets Low or High, you cannot change the Back Light setting.

Aspect Ratio: To choose the screen aspect ration from Wide, Auto, Normal, Zoom and Cinema.

☑ NOTE

The option of the screen Aspect Ration is different in different inputs. (For more information, see "Shortcuts Instructions")

Color Temperature: Change the color temperature. You can select the color temperature from three options: Cool, Standard or Warm.

Overscan: Adjusts the picture's reproduction rate. You can select On or Off.
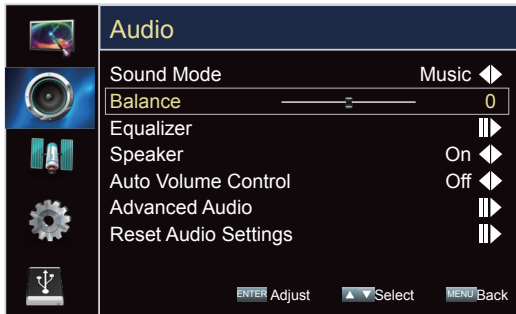
DNR: Select to reduce the noise level of connected equipment: off, Low, Medium, Strong, Auto.

Adaptive Luma Control: According to the content of picture, it can adjust brightness automatically.

Adaptive Back Light: Enhances the contrast ratio between light and dark areas of the picture. You can select Off, Low, or High.

Using the Audio Menu

Audio	
Sound Mode	Music ◀▶
Balance	0
Equalizer	▌▶
Speaker	On ◀▶
Auto Volume Control	Off ◀▶
Advanced Audio	▌▶
Reset Audio Settings	▌▶
ENTER Adjust ▲▼ Select MENU Back	

You can adjust:

Sound Mode - Select the Sound Mode: Standard, Theater, News, Music or Custom.

Balance - Adjust the volume of the left and right speakers.

Equalizer - Soften or enhance the sound at specific frequency points.

Speaker - Selects where to play TV audio. You can select On (default setting) to play audio through TV speakers, or select Off to play audio through the speakers on an external audio system.

Auto Volume Control - Automatically adjusts volume to a consistent level; attenuates loud passages.

Advanced Audio - Access Advanced Audio settings such as SPDIF Type, MTS, Audio Language.

Advanced Audio	
SPDIF Type	PCM ◀▶
MTS	Stereo ◀▶
Audio Language	English ◀▶
▲▼ Select MENU Back	

SPDIF Type: Send digital audio to an external audio system. You can select PCM, RAW or Off.

- **PCM:** PCM outputs two channel audio regardless of the input format.

- **RAW:** When the data stream carries Dolby signal, digital SPDIF outputs Dolby data stream. When the data stream carries no Dolby signal, it transports PCM data stream.

MTS: Select the default audio stream, you can select Mono, Stereo or SAP (Second Audio Program).
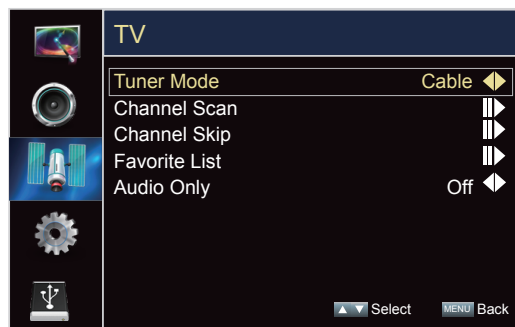
- **MONO:** Select this option if there is noise or static on weak stereo broadcasts.

- **STEREO:** Select this option for programs broadcast in stereo.

- **SAP:** Depending on the particular program being broadcast, you can listen to a foreign-language translation.

Audio Language - Change the default value for audio language. (Digital channels only)

Reset Audio Settings - Resets all Audio Settings to the factory defaults.

Using the TV Menu

TV	
Tuner Mode	Cable ◀▶
Channel Scan	▌▶
Channel Skip	▌▶
Favorite List	▌▶
Audio Only	Off ◀▶
▲▼ Select MENU Back	

You can adjust:

Tuner Mode - Select the TV signal source. You can select Antenna or Cable.

Channel Scan	
Status: Scanning...	Antenna
Analog Channels: 0	
Digital Channels: 1	
	1%
EXIT Cannel	
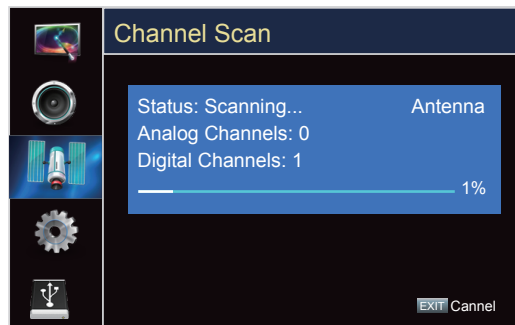
Channel Scan - Scans for channels that have signals and stores the channels information in memory.

Digital Channels: The scanned TV program in digital signals.

Analog Channels: The scanned TV program in analog signals.

Channel Skip - You can cancel a channel stored in memory.

☑ **NOTE**

When you press [CH ∧/∨] button, your TV skips the channel you cancelled. You can still tune to the channel using the number buttons on the remote control.

Favorite List - Display your Favorite List. You can add or delete channels to create your favorite list.

	Favorite List	
1	Analog	☐
2	Analog	☐
3	Analog	☐
4	Analog	☐
5	Analog	☐
6	Analog	☐
7	Analog	☐
8	Analog	☐
9	Analog	☐

ENTER Set ▲▼ Select MENU Back

Audio Only - Listen to the program audio only, when you turn off the picture on your TV.
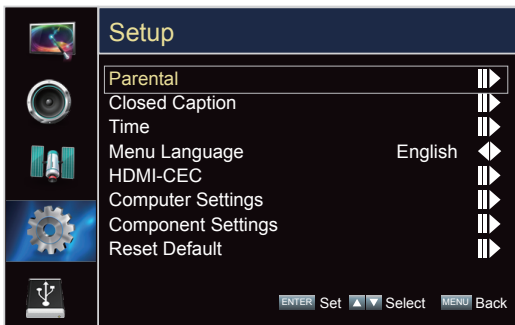
☑ **NOTES**

- Audio Only works only when the input source is TV, and your TV is receiving a broadcast signal.
- To exit audio only mode, press any button. When you exit audio only mode, the Audio Only option is automatically reset to Off.

Using the Setup Menu

Setup	
Parental	▐▶
Closed Caption	▐▶
Time	▐▶
Menu Language	English ◀▶
HDMI-CEC	▐▶
Computer Settings	▐▶
Component Settings	▐▶
Reset Default	▐▶

ENTER Set ▲▼ Select MENU Back

You can adjust:

Parental - Prevent unauthorized users, such as children, from watching unsuitable programme.

Parental	
Button Lock	Off ◀▶
Rating Enable	Off ◀▶
Block Unrated	Off ◀▶
U.S. TV Ratings	▐▶
U.S. Movie Ratings	▐▶
Canadian English Ratings	▐▶
Canadian French Ratings	▐▶
Change Password	▐▶

▲▼ Select MENU Back

When you first use this function, the default password is [0000]. Once you input this password, you can set options.

Button Lock: Block or unblock the button of remote control.

Rating Enable: Block or unblock TV ratings.

Block Unrated: Block unrated TV programs.

U.S. TV Ratings: Restrict TV programs by USA Ratings.

Open V-Chip: Display an advanced V-Chip ratings table for digital channels (USA only).

Block Unrated: Block unrated TV programs

U.S. Movie Ratings: Restrict movie by USA Ratings.

Canadian English/French Ratings: Restrict movie and TV programs by Canadian Ratings.

Change Password: If you want to change the default password, first enter the new password then enter the same password again.

Following is the description of these ratings.

U.S. TV Ratings

Age	Defined as
TV-Y	All children
TV-Y7	Directed to older children
TV-G	General audience
TV-PG	Parental Guidance suggested
TV-14	Parents Strongly cautioned
TV-MA	Mature Audience only

Contents	Defined as
A	All of the ratings below that rating set blocked automatically
D	Suggestive dialogue
L	Strong language
S	Sexual situations
V	Violence
FV	Fantasy Violence

U.S. Movie Ratings

Rating	Defined as
G	General audience
PG	Parental Guidance suggested
PG-13	Parents strongly cautioned
R	Restricted
NC-17	No one 17 and under admitted
X	Adult audience only

Canadian English Ratings

| Rating	Description
C	Children
C8+	Children 8 years and older
G	General Programming, suitable for all audiences
PG	Parents Guidance
14+	Viewers 14 years and older
18+	Adult Programming

Canadian French Ratings

Rating	Description
G	General
8 ans+	8+General; Not recommended for young children
13 ans+	Programming may not be suitable for children under the age of 13
16 ans+	Programming is not be suitable for children under the age of 16
18 ans+	Programming restricted to adults

☑ NOTE

As you block rating, all rating higher than the ones you select are blocked as well. E.g. if you choose to block the MPAA rating R, the higher ratings, NC-17 and X, are automatically blocked too.

Closed Caption - Adjust Closed Captioning settings.
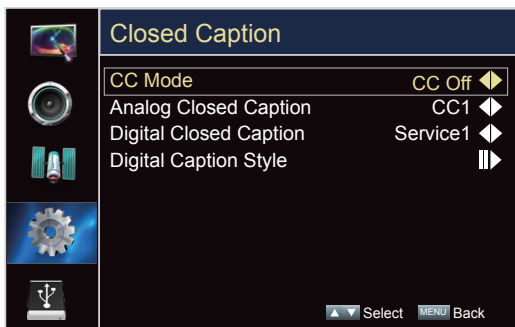
CC Mode: To select CC Off (turns off closed caption), CC On (turns on closed caption), or CC on when Mute (turns on closed caption when the sound is muted).

Analog Closed Caption: Select an Analog Caption setting from CC1~CC4, TEXT1~TEXT4.

Digital Closed Caption: Select a Digital Caption setting: Service1~Service6.

Digital Caption Style: There are two Caption Styles. One is the automatic function set as the broadcaster,

while the other is the custom style where you can adjust the font size, color, opacity, background color etc..

Time - Access Time settings such as Time Zone, DAta Time, Sleep Timer.

Time Zone: Select your local time zone: Eastern Time, Hawaii, Alaska, Arizona, Indiana, Mountain Time, Central Time or Pacific Time.

Data/Time: You can set time manually or select automatic if the TV is connected to an antenna or cable source.

- **Auto Synchronization:** Select "On" to for automatic date and time setting using information from broadcast stations in your area.
- **Date:** Set the current year/month/day.
- **Time:** Set the current time.
- **Timer:** When "On", you can set the time when the TV turns on/off automatically.
- **Power On Timer:** Set the desired time for the TV to turn on automatically.
- **Power Off Timer:** Set the desired time for the TV to turn off automatically.

Sleep Timer: Specify the amount of time before your TV automatically turns off.

Menu Language - You can select the menu's language to English, Spanish or French.

HDMI-CEC - HDMI-CEC lets you control HDMI CEC-compatible devices connected to the HDMI jacks on your TV using the remote control that came with your TV. To use HDMI-CEC, you must set the HDMI-CEC Control setting on the Settings-HDMI-CEC menu to On.

☑ NOTES

- HDMI cables must be used to connect HDMI CEC-compatible devices to your TV.
- The connected device's HDMI CEC feature must be turned on.

- If you connect an HDMI device that is not HDMI CEC-compatible, all the HDMI-CEC Control features do not work.
- Depending on the connected HDMI device, the HDMI-CEC Control feature may not work.

HDMI-CEC

HDMI-CEC Control	On ◀▶
Device Auto Power Off	Off ◀▶
TV Auto Power On	Off ◀▶
Audio Receiver	Off ◀▶
Root Menu	▐▶
HDMI-CEC Device Lists	▐▶

▲▼ Select   MENU Back

HDMI-CEC Control: Turning HDMI-CEC function on or off.

Device Auto Power Off: When HDMI-CEC is turned on, Device Auto Power Off turns off HDMI CEC devices when you turn off your TV.

TV Auto Power On: When HDMI-CEC is turned on and you turn on an HDMI CEC device, TV Auto Power On turns on your TV automatically.

Audio Receiver: When HDMI-CEC is turned on and you have connected an audio receiver to your TV, turning on Audio Receiver lets you use your TV's remote control to control the volume on the audio receiver.

Root Menu: You can open an HDMI-CEC-compatible device's root menu, then use your TV's remote control to control the device.

HDMI-CEC Device Lists: You can display a list of HDMI CEC devices that are connected to your TV.

Computer Settings (Only available in VGA mode.)- Access Computer Settings such as H.Position, V.Position, Phase, Phase and Auto Adjust.

H.Position: Move the image right or left.

V.Position: Move the image up or down.

Phase: Adjust the focus of stable images.

Clock: Adjust the sample frequency.

Auto Adjust: Detects input signal clock, phase and position and adjusts TV display accordingly.

Component Settings (Only available in Component mode.) - Access Component Settings such as phase, Reset Component Settings.

Component Settings

Phase	——●———— 12
Reset Component Settings	▐▶

ENTER Adjust   ▲▼ Select   MENU Back
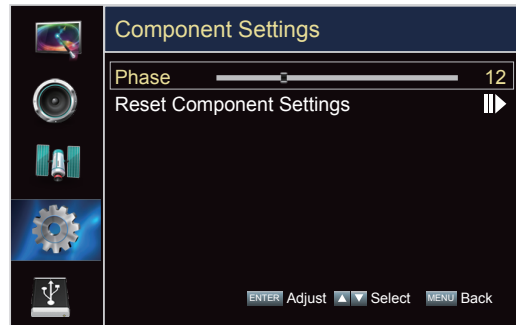
Phase: Adjust the focus of stable images.

Reset Component Settings: This function can help you restore the component settings.

Reset Default - Every TV has its original setting before leaving the factory. This function can help you restore these settings.

Using the Photos Menu

You can connect a USB flash drive to your TV to view compatible JPEG pictures.

☑ **NOTES**

- Never remove the USB flash drive or turn off your TV while viewing JPEG pictures.
- The JPEG picture viewer only supports JPEG format images (with ".jpg" file extensions) and not all JPEG files are compatible with the TV.

To switch to USB mode

1. Make sure that you have connected the USB flash drive to the USB port on the back of your TV.
2. Press INPUT. The input source list opens.
3. Press ▲ or ▼ to highlight USB, then press ENTER.

☑ **NOTE**

When you connect a USB flash drive to your TV, your TV automatically detects the device and displays the message " Do you want to show photos in USB?" select **Yes** to switch to USB mode or select **No** to stay in the current mode.

Photos

Browse Photos
Favorite Photos
View Slideshow
Settings

ENTER Enter ▲▼ Select MENU Exit

You can adjust:

Browse Photos - Browse folders and photo files stored on the USB flash drive.

Picture1   Picture2   Picture3   Picture4   Picture5   Picture6

JPEG 050670   JPEG 050671   JPEG 050672   JPEG 050673

Picture7

Move   ENTER Select   EXIT Previous   MENU Exit

To navigate the thumbnail index screen, press:

▲▼◄ or ► to browse through the files and folders.

ENTER to view a highlighted photo full-screen or open a highlighted folder.

MENU to open the Photos menu.

FAVORITE to add or remove a photo from the favorite photo list. A heart appears on a photo that has been added to the favorite photo list.

EXIT to clear the control bar.

To navigate on the photo screen, press:

◄ or ▲ to go to the previous photo.

► or ▼ to go to the next photo.

ENTER to rotate the photo clockwise.

ASPECT one or more times to enlarge the image by 1✕, 2✕, 3✕, 4✕, or to fill the screen (Fill). If arrows appear in Zoom mode, you can press ▲▼◄ or ► to pan the photo.

EXIT to return to the thumbnail index.

**MENU** to go to the Photos menu.

☑ NOTE

When you connect a USB flash drive to your TV, your TV automatically detects the device and displays the message " Do you want to show photos in USB?" select Yes to switch to USB mode or select No to stay in the current mode.

Favorite Photos - Browse among your photos created in your favorite photo list quickly.

View Slideshow - View your photos in a slide show.

Settings - Customize the slide show settings. You can select Repeat, Shuffle, Speed, and Transition.

Settings

Repeat   Off ◄►
Shuffle   Off ◄►
Speed   6sec ◄►
Transition   None ◄►

▲▼ Select   MENU Back
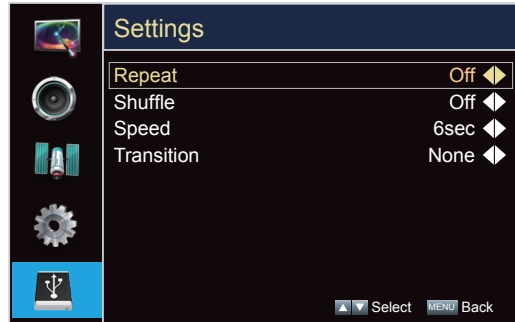
Repeat: Repeats the slide show when it reaches the end. You can select On or Off.

Shuffle: Displays the slide show photo in random order. You can select On or Off.

Speed: Sets the amount of time a photo is displayed before the slide show moves to the next photo. You can select 4 Sec, 6 Sec, or 8 Sec.

Transition: Select the way photos transition when moving to the next file in the slide show.

You can select:

- **None:** No transition effect.
- **Fade to Black:** Fades the screen to black between photos.
- **Vertical Wipe:** Wipes the screen from left to right between photos.
- **Horizontal Wipe:** Wipes the screen from top to bottom between photos.
- **Random:** Randomly selects a transition effect.

Trouble Shooting

When there is something wrong with your TV, you can try turning off the TV and then restart it. You can also Operate according to the following chart. If the problem still cannot be solved, please contact the professional technicians.

SYMPTOMS	*POSSIBLE SOLUTIONS*
No sound or picture.	○ Check if the power cord is in the AC outlet and if it has electricity. ○ Check if you have pressed [POWER] button on the TV or [POWER] button on the remote control. ○ Check to see if LED light is either red or blue. If illuminated, power to TV is OK.
I have connected an external source to my TV and I get no picture and/or sound.	○ Check for the correct output connection on the external source and for the correct input connection on the TV. ○ Make sure you have made the correct selection for the input mode for the incoming signal.
When I turn on my television, there is a few second delay before the picture appears. Is this normal?	Yes, this is normal. That is the TV searching for previous setting information and initializing the TV.
Picture is normal, but no sound.	○ Check the volume settings. ○ Check if Mute mode is set "on".
Sound but no picture or black and white picture.	○ If black and white picture first unplug TV from AC outlet and replug after 60 seconds. ○ Check Color Setting if picture is black and white.
Sound and picture distorted or appear wavy.	○ An electrical appliance may be affecting TV set. Turn off any appliances, if interference goes away, move appliance farther away from TV. ○ Insert the power plug of the TV set into another power outlet.
Sound and picture is blurry or cuts out momentarily.	○ If using an external antenna, check the direction, position and connection of the antenna. ○ Adjust the direction of your antenna or reset or fine tune the channel.
Horizontal/vertical stripe on picture or picture is shaking.	Check if there is interfering source nearby, such as appliance or electric tool.
The plastic cabinet makes a "clicking" type of sound.	"Click" sound can be caused when the room temperature changes. This change causes the television cabinet to inflate or contract, which makes the sound. This is normal and TV is OK.
Black square appears in the center of my television screen?	The Closed Caption function is set in the text mode. To remove it, access Closed Caption from the menu screen and change the Mode setting from text to either CC1 or off .

Trouble Shooting

SYMPTOMS	*POSSIBLE SOLUTIONS*
On some channels getting another language or sometimes no sound at all.	That would indicate that the MTS mode on your unit is set to SAP mode. We suggest setting the MTS mode to either Stereo or Mono . For further instruction, please see Audio Adjust or MTS/SAP in your user manual. ○ SAP is Second Audio Program. It's a second audio channel that is usually used for a second language or descriptive audio for the visually impaired. ○ MTS stands for Multichannel Television Sound, a standard that allows the encoding of 3 channels of audio within a standard NTSC (analog) video signal to a television. A television that is able to receive MTS Stereo allows you to watch television with stereo sound.
Not getting all of my cable channels on the television or I'm only getting 13 channels.	○ Check the cable connection for an incoming signal. Make sure the signal is coming OK. Best way to confirm signal is to use another TV and/or contact your cable company. ○ Reprogram your channels. Press [MENU] button on your TV remote control, change Input Source setting to "Cable", then use "Auto Channels Search" to reprogram your channels.
[CH Λ / V] don't work when I set the Channel to Cable? They work with the Air setting?	After switching to Cable, please auto program the channels. The TV will "remember" all the channels then the TV will allow you to surf the channels with [CH Λ/V] buttons.

Remote control does not work.	○ Confirm that TV still has power and is operational.
	○ Change the batteries in the remote control.
	○ Check if the batteries are correctly installed.
	○ Clean the front of the remote control (LED window).
	○ If using a universal remote, be sure to select the TV mode on the remote.
	○ If the remote still does not work:
	  • Remove and reinstall the batteries correctly to reset the remote or install new batteries.
	  • Press the Power button to turn on the TV. With a universal remote if you have reset or changed the batteries you will need to reprogram the remote for the other units.
	○ Check if there is obstruction between the remote control and the TV.
	
	TIP: If you have a digital camera / camera phone, you can aim the front of the remote at camera lenses (at this time, the camera should set on camera mode, not play mode). Observe the camera screen while pressing a button on the remote control; you should see flashing light on the screen. If there is no light observed, the remote control is not working. You need to repair or replace the remote control.