

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

# MANUAL DEL USUARIO

# Hisense

# USER MANUAL

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

# 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.

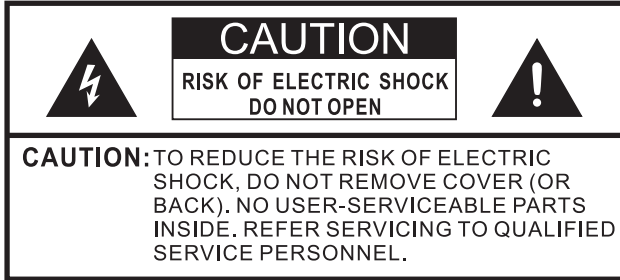


## WALL MOUNTING: IF YOU DECIDE TO WALL MOUNT YOUR FLAT PANEL DISPLAY, ALWAYS:

- 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](http://www.CE.org/safety)

# Important Safety Instructions



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.

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.

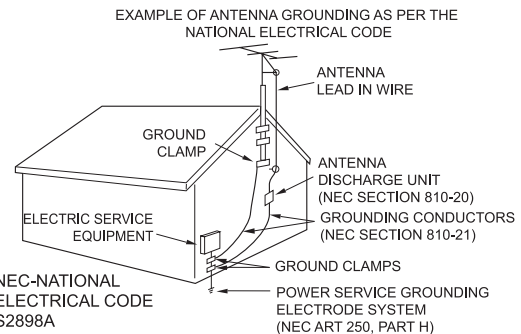
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, 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.
  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.

# Important Safety Instructions

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](http://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.

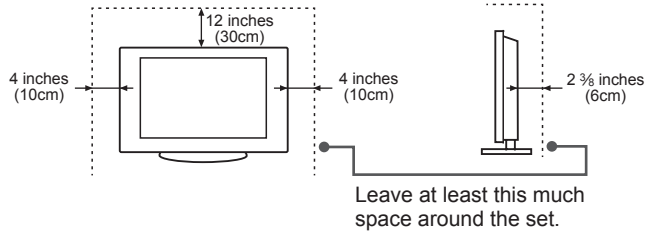
Do not plug/unplug the AC cord when your hands are wet. This may cause electrical shock.

# Important Safety Instructions

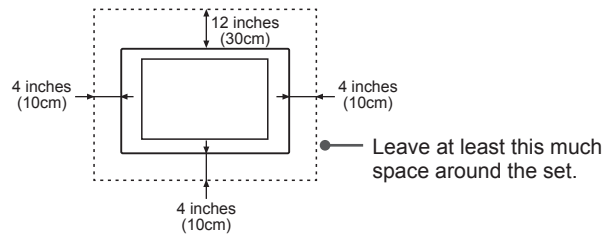
## When Installing the TV Against a Wall or Enclosed Area

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 41°F (5°C).

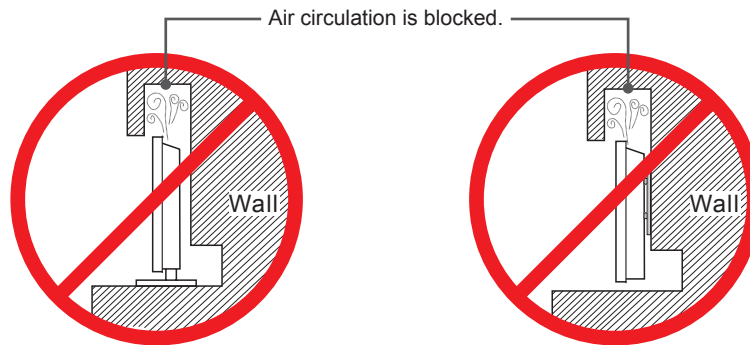
### Install with stand



### Install on the wall



### Never install the TV set as follows:



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

# Legal Notices

## 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.

### FCC ID Number WiFi Module: WWMMN42756IV2

The WiFi Module complies with FCC radiation exposure limits set forth for an uncontrolled environment. This device should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This TV incorporates High-Definition Multimedia Interface (HDMI™) technology.

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\* Specifications subject to change without notice.

## Energy Star

Your Hisense TV is ENERGY STAR® qualified in the “Energy Savings” 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 Savings” mode.



### NOTE

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

### 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.



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## Advanced Features

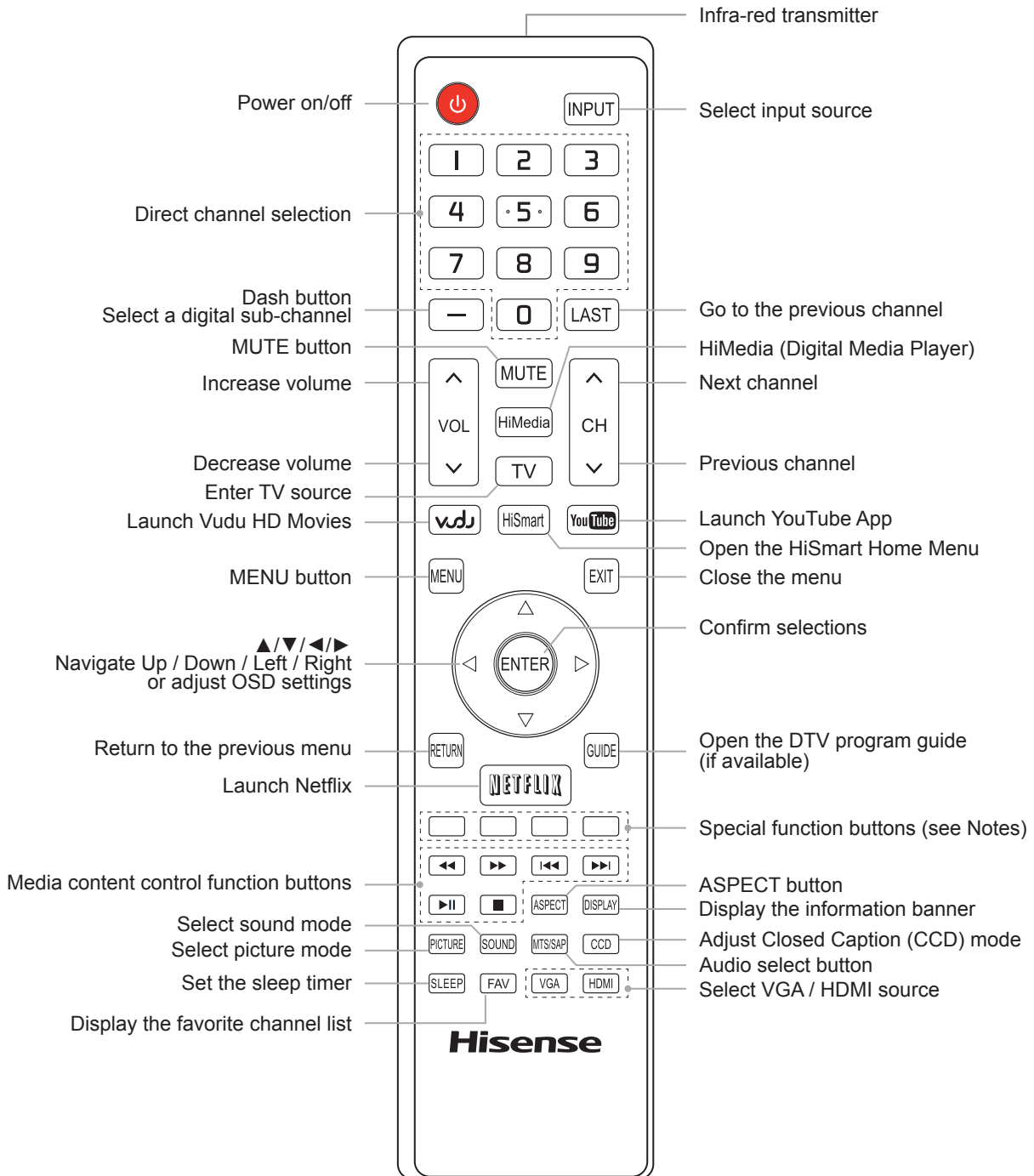
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# Getting Started

## Remote Control Button Layout



### NOTES

- FOR ILLUSTRATION ONLY.
- [RED/GREEN/YELLOW/BLUE] buttons are used for Electronic Program Guide (EPG).  
After pressing the [GUIDE] button when viewing digital channels, the same color buttons will appear with explanations in the on-screen display (OSD). Follow the steps shown in the OSD.

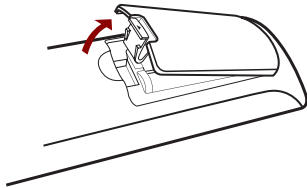
# Getting Started

## Installing Batteries in the Remote Control

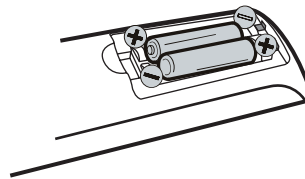
### Change the batteries

1. Press the release button on the back of the remote control to remove the battery compartment cover.
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. Replace the battery compartment cover.

❶ Remove the battery compartment cover



❷ Insert the batteries



### NOTES

1. Dispose of your batteries in a designated disposal area. Do not throw the batteries into a fire.
2. Remove depleted batteries immediately to prevent leakage into the battery compartment.
3. If you do not intend to use the remote control for a long time, remove the batteries.
4. Batteries should not be exposed to excessive heat, such as sunshine, heat registers, or fire.
5. Battery chemicals can cause a rash. If the batteries leak, clean the battery compartment with a cloth. If chemicals touch your skin, wash immediately.
6. Do not mix old and new batteries.
7. 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
AT&T U-verse .....	1346

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.

If your Cable or Satellite provider does not have an Hisense code available, please visit <http://www.hisense-usa.com> for additional codes.

### ❏ The effective range of remote control

1. The remote control distance: up to 26 feet in front of the TV set.
2. The remote control angle: +/- 30-degrees (horizontal and vertical).

# Getting Started

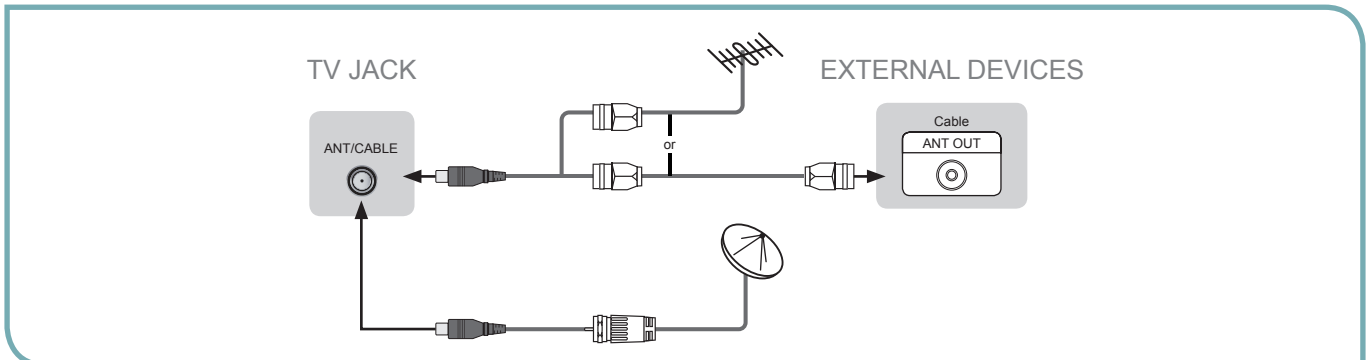
## Making connections

### 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 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 jack on the side of your TV.



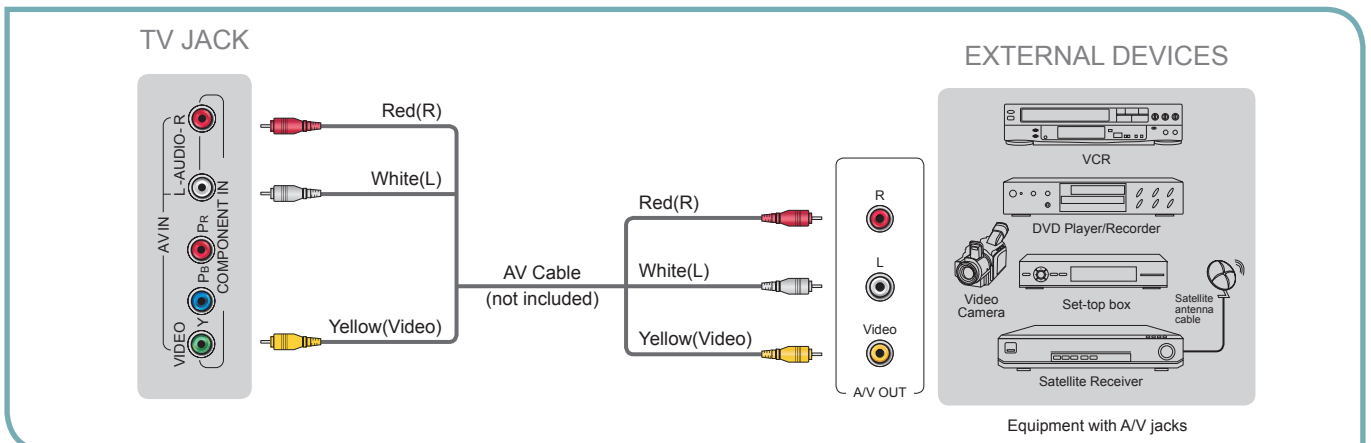
### Connecting an A/V Device with Composite Cable

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)

#### NOTE

Connect the yellow video plug to the Green Y-input jack on the TV.

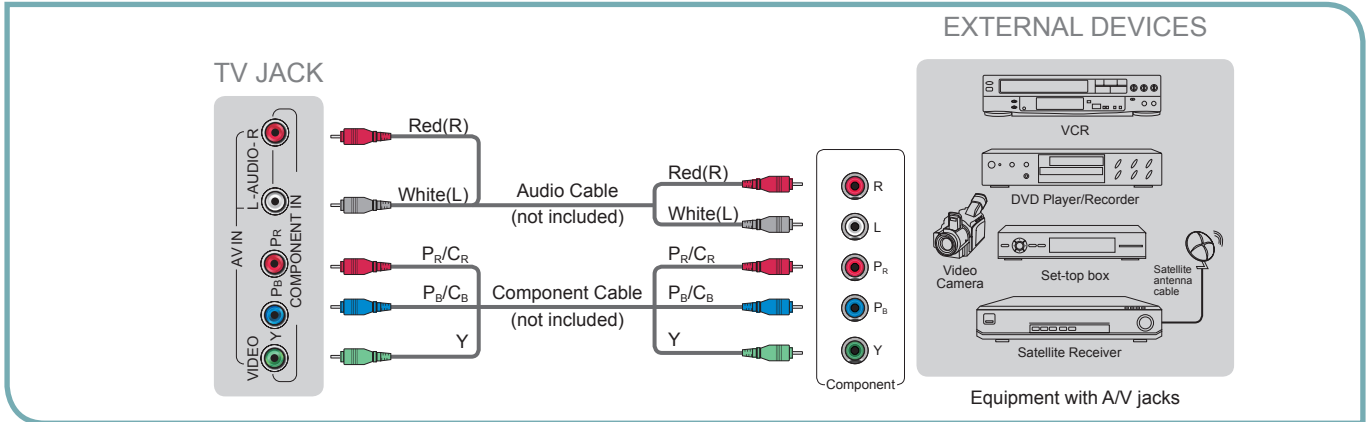
2. Plug the connected devices into the mains socket before switching on the TV.
3. Select the corresponding source from the TV.



# Getting Started

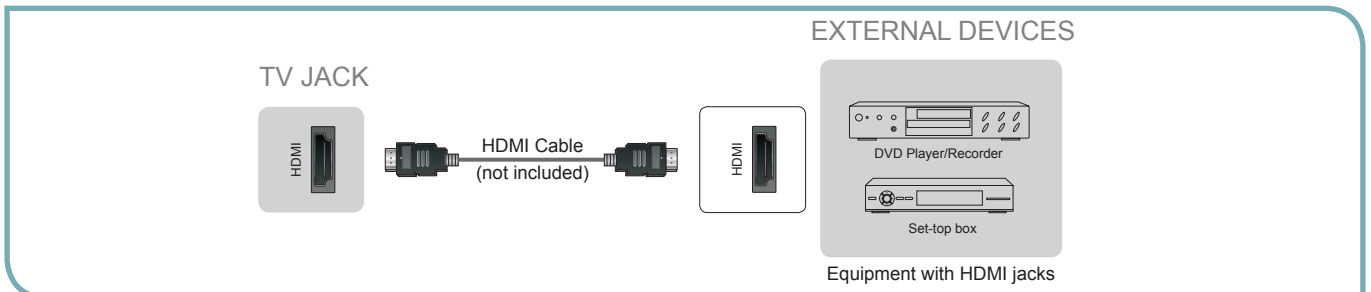
## ❏ Connecting an A/V Device with Component (YP<sub>B</sub>P<sub>R</sub>) Cable

1. Use a component cable to connect the external A/V device's component output jacks to the TV's YP<sub>B</sub>P<sub>R</sub> 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.



## ❏ Connecting an A/V Device with HDMI Cable


- Support digital connections between HDMI - enabled A/V 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.

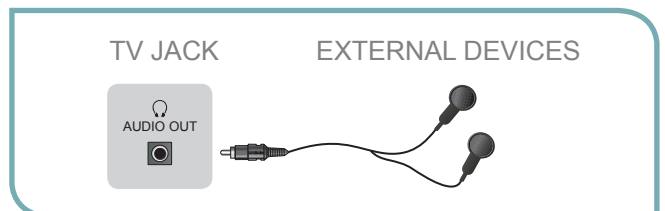


### ✔ NOTE

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

## ❏ Connecting a headphone

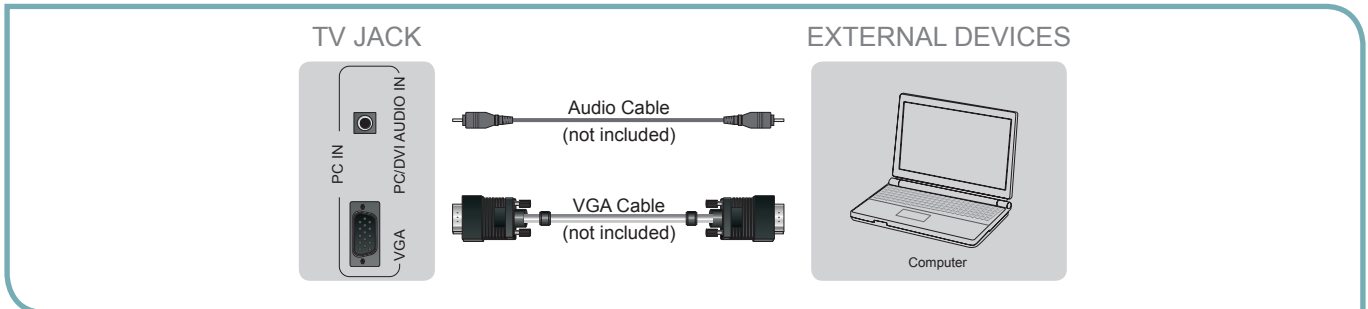
Headphones can be connected to the /AUDIO OUT output on your set. (While the headphone is connected, the sound from the built-in speakers is disabled.)



# Getting Started

## ❏ 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 PC/DVI 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.

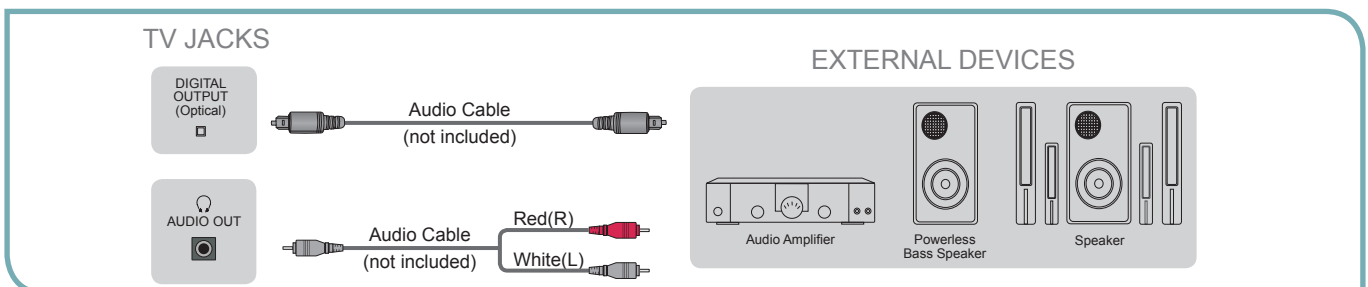


### ✔ NOTES

- 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 guaranteed.
- The VGA cable is not supplied with the product.
- We strongly recommend the use of a VGA cable with two ferrite cores to reduce interference. (as shown in the illustration).

## ❏ Connecting an Audio Receiver with Audio cable

1. Use an audio Optical cable to connect the A/V device's digital audio in jack to the TV's DIGITAL OUTPUT (Optical) jack. Or use an RCA Y-cable (1/8"-stereo mini to L/R phono - not provided) to connect analog sound system to the TV's 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.



### ✔ NOTES

- When a digital audio system is connected to the DIGITAL OUTPUT (Optical) 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.

# Getting Started

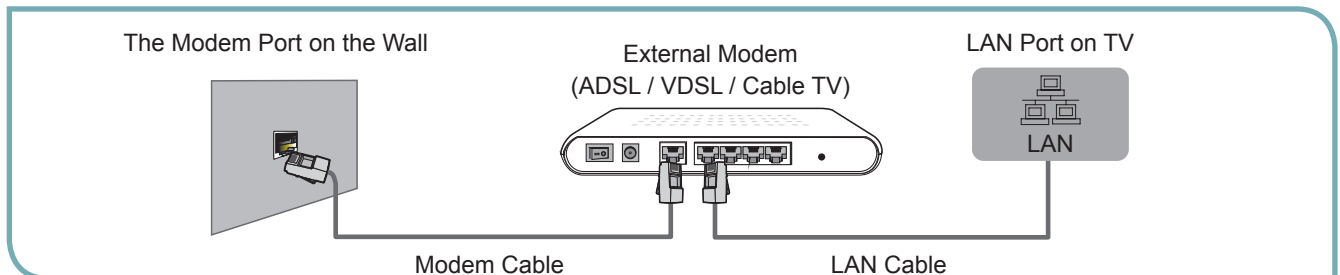
## Network Connection

You can set up your TV so that it can access the Internet through your local area network (LAN) with a Ethernet or wireless connection.

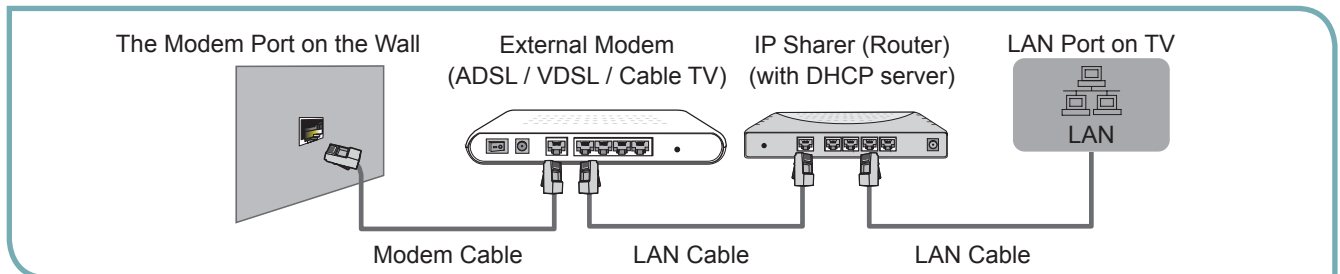
### Connecting to a Wired Network

You can attach your TV to your LAN by one of the three following ways:

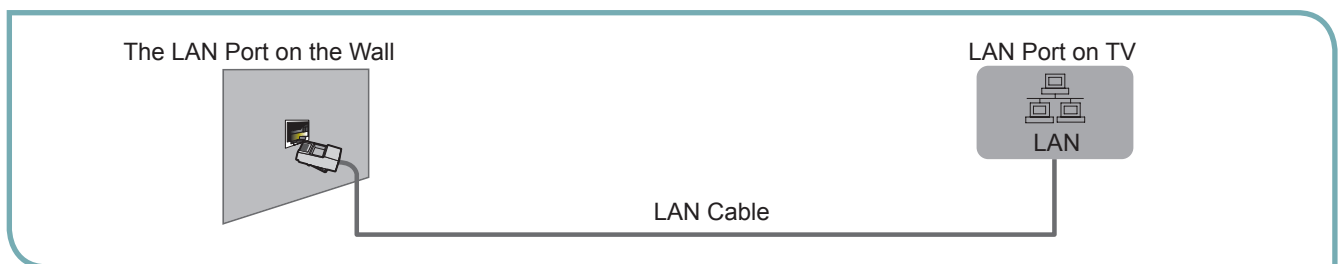
- You can attach your TV to your LAN by connecting the LAN port on the back of your TV to an external modem using a Cat 5 LAN cable. See the diagram below.



- You can attach your TV to your LAN by connecting the LAN port on the back of your TV to an IP Sharer which is connected to an external modem. Use LAN cable for the connection. See the diagram below.



- Depending on how your network is configured, you may be able to attach your TV to your LAN by connecting the LAN port on the back of your TV directly to a network wall outlet with a Cat 5 cable. See the diagram below. Note that the wall outlet is attached to a modem or router elsewhere in your house.



If you have a Dynamic Network, you should use an ADSL modem or router that supports Dynamic Host Configuration Protocol (DHCP). Modems and routers that support DHCP automatically provide the IP address, subnet mask, gateway, and DNS, so you don't have to enter them manually. Most home networks are Dynamic Networks.

Some networks require a Static IP address. If your network requires a Static IP address, you must enter the IP address, subnet mask, gateway, and DNS values manually on your TV's Cable Setup Screen when you set up the network connection. To get the IP address, subnet mask, gateway, and DNS values, contact your Internet Service Provider (ISP).

If you have a Windows computer, you can also get these values through your computer.

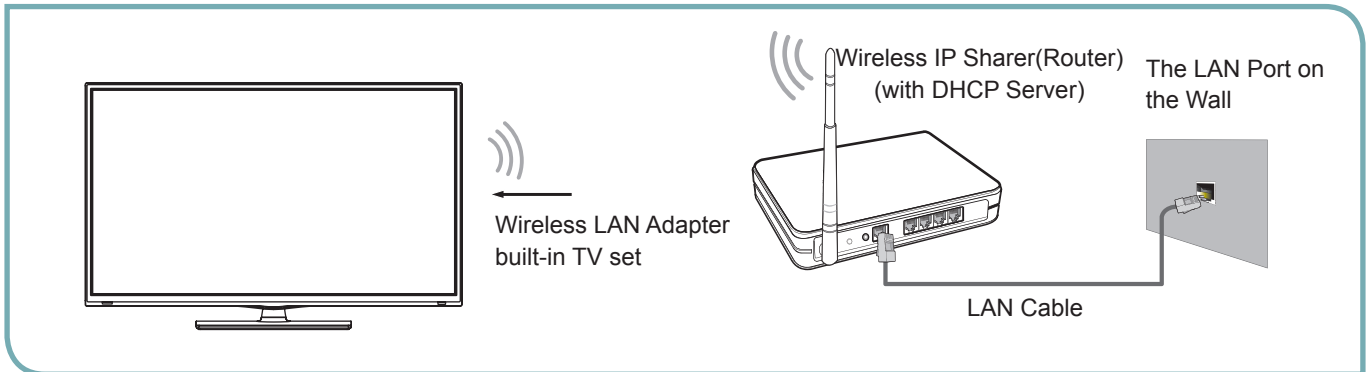
### NOTE

You can use ADSL modems that support DHCP if your network requires a Static IP address. ADSL modems that support DHCP also let you use Static IP addresses.

## Getting Started

### Connecting to a Wireless Network

To connect your TV to your network wirelessly, you need a wireless router or modem. See the illustration below.



Hisense's built-in Wireless LAN Adapter supports the IEEE 802.11 b/g/n communication protocols. Hisense recommends using IEEE 802.11n router. When you play the video over a IEEE 802.11b/g connection, the video may not play smoothly.

#### NOTES

- You must use the Hisense's built-in Wireless LAN Adapter to use a wireless network, the set doesn't support external USB network adapter.
- To use a wireless network, your TV must be connected to a wireless IP sharer. If the wireless IP sharer supports DHCP, your TV can use a DHCP or static IP address to connect to the wireless network.
- Select a channel for the wireless IP sharer that is not currently being used. If the channel set for the wireless IP sharer is currently being used by another device nearby, this will result in interference and communication failure.
- If you apply a security system other than the systems listed below, it will not work with the TV.
- If Pure High-throughput (Greenfield) 802.11n mode is selected and the Encryption type is set to WEP, TKIP or TKIP-AES (WPS2 Mixed) for your Access Point (AP), this player will not support a connection in compliance with new Wi-Fi certification specifications.
- If your AP supports WPS (Wi-Fi Protected Setup), you can connect to the network via PBC (Push Button Configuration) or PIN (Personal Identification Number). WPS will automatically configure the SSID and WPA key in either mode.
- Connection Methods: You can setup the wireless network connection three ways.
  - Scan
  - Manual
  - Auto



# Basic Features

## 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, country setting, Use Mode, Network Setting and Channel Installation.

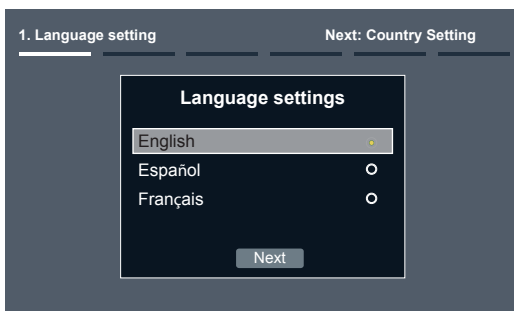
**IMPORTANT: Make sure that the antenna or cable is connected and a wired or wireless Internet connection is available.**

1. Make sure that you have:
  - Installed the remote control batteries.
  - Connected the power cord.
  - Connected to an antenna or cable TV signal.

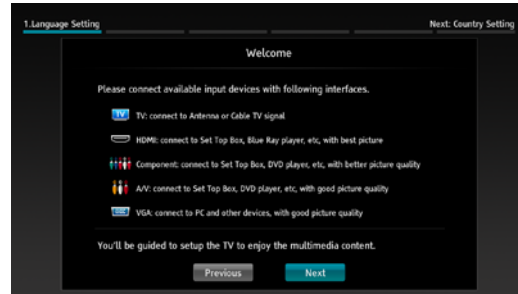
### ✓ NOTE

The customer will be prompted to connect a Network cable in the Select Network wizard screen.

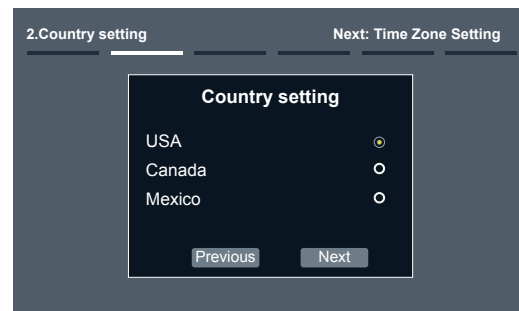
2. Connect your TV's power cord to a power outlet, then press power. The Initial Setup screen opens.
3. Please press [ENTER] to start the wizard, then press [▲/▼] button to select your language: English, Spanish or French, select [Next] to confirm and move to the Welcome screen.



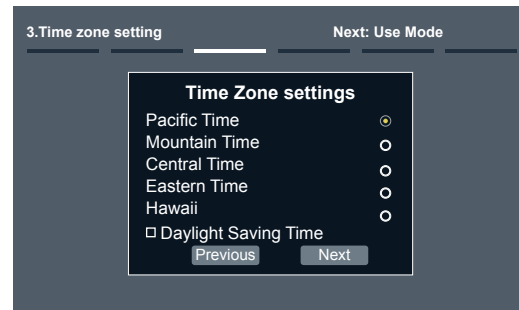
The Welcome screen displays the available input devices and interfaces.



4. Select the country where you will operate the TV.

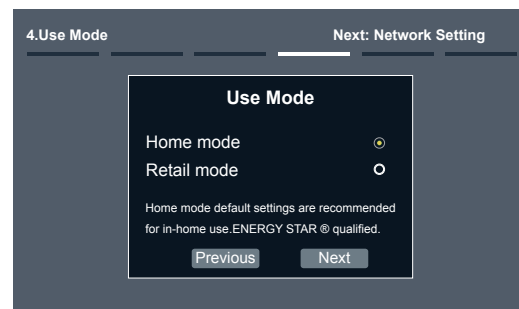


5. Select the local time zone according to your region.



**Daylight Saving:** Set the Daylight Saving time for your area.

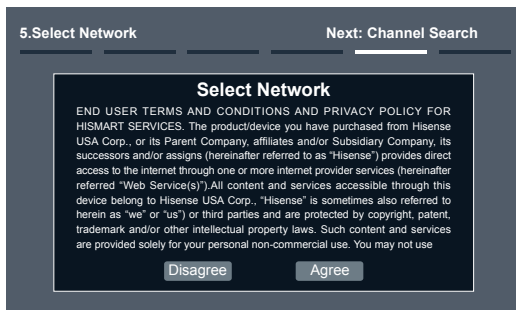
6. **Select Use Mode Setting:** Home Mode or Retail Mode. Home Mode is the recommended setting which offers full functionality of the television.



If you select Retail Mode, a message appears "Are you sure to change to retail mode?" Select "OK" to continue, or select "Cancel" to change your selection.

Home Mode is the recommended setting which offers full functionality of the television. If you selected Retail Mode, Energy Savings are not realized.

## 7. Select Network : Connect your TV to access the network.



When the Network Setting menu opens, Hisense Service Terms and Conditions will appear. Press [◀/▶] to scroll through the pages. Please read it carefully.

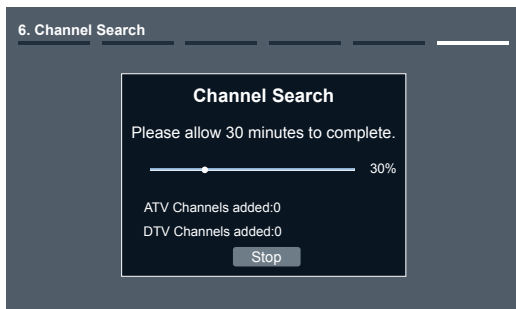
If you want to access the internet, press the [Agree] button to set your TV's network connections. Otherwise, press the [Disagree] button to enter the Channel search menu.



You can select the network configuration in this menu or choose to skip network configuration. For more information or to setup the network configuration later, see "Network Connection" and "Network Setup".

## 8. The Channel Search.

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



Press [◀/▶] to set the Channel Installation: Scan or Skip Scan, press [ENTER] button to confirm.

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 up to 30 minutes or more to complete memorizing channels. Please allow the process to complete without interruption.

After the Channel Search, a summary of the current settings will be displayed. Select "go" to exit the wizard.

## Changing Channels / Volume

1. Press the [CH  $\wedge$ /V] (or [CH +/-]) on the TV/remote control to change the channel.
2. Press the [VOL  $\wedge$ /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.

## 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.

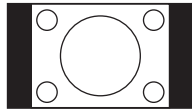
### To select the video input source:

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.

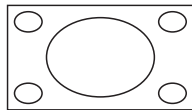
## Shortcuts Instructions

**Aspect** - Select the screen aspect ratio from Normal, Wide, Zoom, Cinema, 1:1 Pixel Map, and Auto.

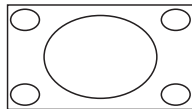
**Normal:** The original 4:3 aspect ratio (1.33:1 signal) is preserved, so black bars are added to the left and right of the image. Standard TV broadcasts are displayed with a 4:3 aspect ratio.



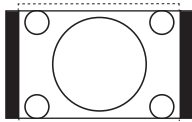
**Wide:** When watching a standard broadcast or full-frame movie in this mode, the display image is stretched proportionately to fill the TV screen. When watching a widescreen (1.78:1 signal) program or movie, the display image fills the TV screen.



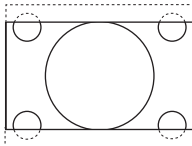
**Auto:** Automatically adjusts the image based on the screen size and the TV program.



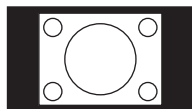
**Zoom:** Stretch the 4:3 aspect ratio image vertically and horizontally to fill the screen at 1:1.78 aspect ratio.



**Cinema:** Stretch the 4:3 aspect ratio image vertically and horizontally to fill the screen at 1:2.35 aspect ratio.



**1:1 Pixel Map:** Displays the native signal format pixel-by-pixel without any video processing or scaling. In this mode, 1920 x 1080 resolution sources fill the screen while all other resolutions are centered and surrounded by black bars.



**Picture** - Press this button to set the picture mode. It can be set as Vivid, Standard, Energy Savings, Game, Theater or Custom. This mode achieves a certain image display effect by setting the brightness, contrast and Speech.

**Sound** - Press this button to set the sound mode. It can be set as Standard, Speech, Music and Custom.

**Mute** - Press this button 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** - Press this button to display the information including channel number, channel name, current system time, tuner mode, audio stream, video format, audio language, closed caption mode, parental lock rating, program details, etc.

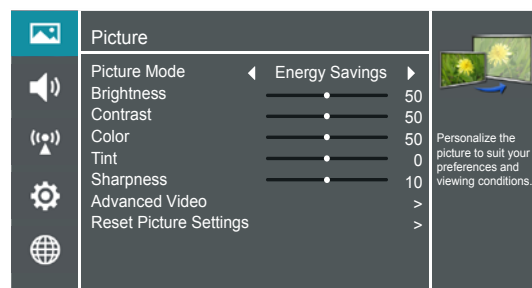
**CCD** - Press the [CCD] button to the Closed Caption mode: CC Off, CC On or CC On When Mute.

**MTS** - Press the [MTS] button to select the default audio stream: Mono, Stereo or SAP.

# Basic Features

## To Use the Menu

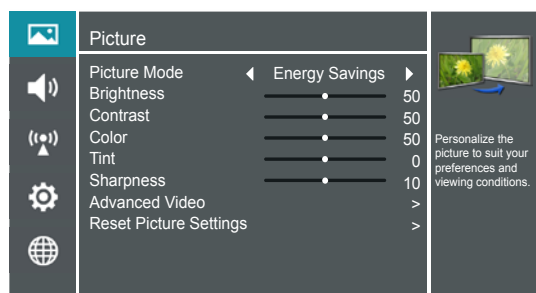
- 1 Press the [MENU] button to open the main menu.
- 2 Press [▲/▼] to select a menu option, then press [▶/ENTER] button to enter the menu.
- 3 In each menu, you can:
  - Press [▲/▼] to select an item,
  - Press [◀/▶] to adjust the value, or
  - Press [▶/ENTER] to enter the submenu,
  - Press [MENU] to back the previous menu.
- 4 Press [EXIT] to exit the menu.



### NOTE

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

## Using the Picture Menu



### You can adjust:

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

### NOTE

The option of the Picture Mode is different in different inputs. (For more information, see “Shortcuts Instructions”)

**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.

**Color** - Adjust the level of color in the picture.

**Tint** - Adjust the hue 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 Color Temperature, Noise Reduction, Dynamic Backlight Control (DCR) and Adaptive Contrast.

**Color Temperature** : Change the color temperature. You can select a preset color temperature: Cool, Normal and Warm (when set to cool, whites are bluer; when set to warm, whites are yellower)

**Noise Reduction** : Optimize the picture quality by filtering signal interference. You can select Off, Low, Auto, Medium or High.

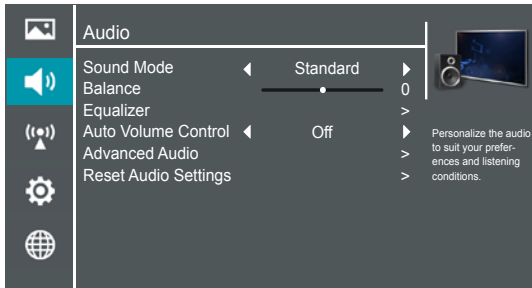
**Dynamic Backlight Control (DCR)** : Enhances the contrast ratio between light and dark areas of the picture. You can select Off, Low or High.

**Adaptive Contrast** : Automatically adjusts the contrast level of the selected input source.

**Overscan**: In DTV mode, Select ON to extend the image beyond the display so the picture edges are not visible.

**Reset Picture Settings** - Resets all Picture settings to the factory defaults.

## Using the Audio Menu

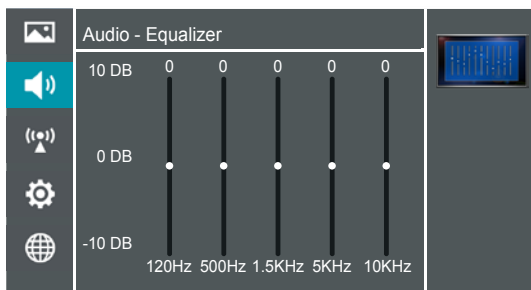


### You can adjust:

**Sound Mode** - Select the Sound Mode: Standard, Speech, Custom or Music .

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

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



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

**Advanced Audio** - Access Advanced Audio settings such as Digital Audio Output, MTS/SAP, Audio Language, Speaker select.

**Digital Audio Output:** 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/SAP:** 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.

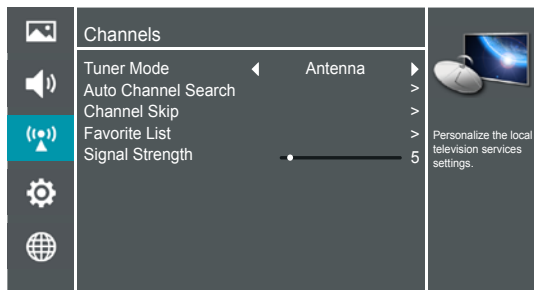
**Audio Language** - Change the default value for audio language. (Digital channels only)

**Speaker select** -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.

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

# Basic Features

## Using the TV Menu



### You can adjust:

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

**Auto Channel Search** - 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 V/V] (or [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.

#### NOTE

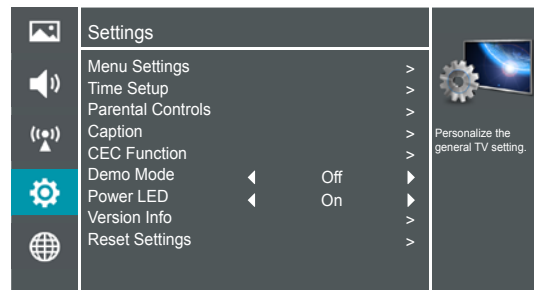
When you press [CH V/V] (or [CH +/-]) button, your TV skips the channel you cancelled. You can still tune to the channel using the number buttons on the remote control.

**Signal Strength** - This menu is used to check the signal strength of your antenna system. Usually strengths of above 75% indicates an acceptable signal for your TV to display correct image. Each channel may vary in signal / quality strengths and its common for broadcast strengths to change in your area. The signal strength of the channel on the screen is displayed.

#### NOTE

If lower than 75% we advise to have your antenna system checked by qualified personnel.

## Using the Setup Menu



### You can adjust:

**Menu Settings** - You can set On-screen menu system.

**Language:** You can select the menu's language to English, Español or Français.

**Timeout:** Select the display time of the menu: 10-20-...-60 seconds.

**Time Setup** - Set the time zone, daylight saving, time and sleep timer.

**Country:** Select your local Country.

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

**Daylight Savings:** Set the Daylight Saving time for your area.

**Date/Time:** Set the current year/month/day/time.

**Sleep Timer:** Select the amount of time before the TV to turns off automatically.

**Parental Controls** - Prevent unauthorized users, such as children, from watching unsuitable programs.

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

You can change password in the Lock submenu.

**Channel Block** : Block selected Channels on the TV.

**Program Block** : Block selected Programs on the TV.

**Rating Enable:** Block or unblock TV ratings.

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

**U.S. Movie Ratings:** Restrict movies by USA Ratings.

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

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

**Block Unrated:** Block unrated TV programs.

**Input Block** - Block selected Input source on the TV.

**Button Lock(On/Off)** - Block or unblock use of the remote control.

# Basic Features

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

**Reset Parental Control** - You can reset all locks to factory mode.

**Reset to Factory Default**- Restores the TV configuration to factory settings. You will need to complete the setup for such things as Tuner/Channel settings, Network connection, Date/Time and other user preferences.

Following is the description of these ratings.

## 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

## 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

## 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.

**Caption** - Adjust Closed Captioning settings.

**Caption Control:** Select the Closed Caption mode: CC Off, CC On or CC On When Mute by press the CC button.

**Analog Closed Caption:** Select an Analog Caption setting:

**CC1~CC4:** Closed captioning appears in a small banner across the bottom of the screen. CC1 is usually the "printed" version of the audio. CC2~CC4 display content are provided by the broadcaster.

**Text1~Text4:** Closed captioning that covers half or all of the screen. Text1~Text4 display content are provided by the broadcaster.

**Off:** To turn off the Analog Caption.

**Digital Closed Caption:** Select a Digital Caption setting: Service1~Service6 or Off.

**Digital Caption Style:** Customize the look of digital Closed Captioning.

**Caption Style:** Set the look of Digital CC. "As Broadcaster" uses broadcaster's style.

**Font Size/Style/Color/Opacity:** Select the size/style/color/opacity level of font.

**Background Color/Opacity:** Select the color/opacity level of the background.

**Window Color/Opacity:** Select the color of the window.

**CEC Function :** This feature allows you to add devices to your TV and control them with your TV remote control.

# Basic Features

CEC function: Press [▶] to set On/Off.

**Auto turn off:** Your added devices can be off automatically by turning off the TV.

**TV Auto On:** Your TV can be on automatically by turning on your added devices.

**Audio Receive:** Turning ARC function on or off.

## 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.

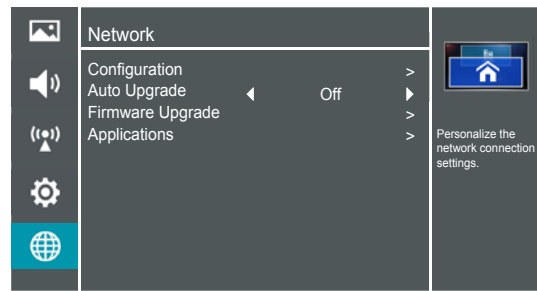
**Demo Mode** - Displays a banner at the top of the screen which describes the key features of the TV.

**Power LED** - Select this feature to turn off or On the Power LED indicator on the front panel on your TV.

**Version Info** - View the software version information.

**Reset Settings** - Restores the TV configuration to factory settings.

## Using the Network Menu



### You can adjust:

**Configuration** - Select On or Off. When On mode is selected, the following options are available.

**Internet Connection** : Setting the Internet Connection.

**Interface** : You can set up your TV so that it can access the Internet through your local area network (LAN) with a Ethernet or wireless connection.

**Wireless Setting** : You can set up your TV's wireless connection.

**Information** : Display network configuration information.

**IP Setting** : Allows you to set IP address, subnet mask, gateway, primary and secondary DNS.

**Connection Test** : Press the [ENTER] button to test network status.

**Auto Upgrade** - Update the software using the Internet.

Configure your network. For detailed procedures on using the Network Setup, refer to the "Connecting to the Internet or a network" instructions. If you want the Network Update to work automatically, please select Auto Updates (On). If you want to do the Network Update manually, please select Auto Updates (Off).

If the Internet connection doesn't operate properly, check the Network Configuration settings and try again. If the problem persists, use the USB method below to update.

**Firmware Upgrade** - Insert a USB drive containing the software update file, downloaded from the Hisense website. ([www.hisense-usa.com](http://www.hisense-usa.com)).

Please be careful not to disconnect the power or remove the USB drive until updates are complete. The TV will be turned off and on automatically after completing the software update. When software is updated, video and audio settings you made will return to their default settings and your personal settings will be deleted. We advise you to write down your settings so that you can easily reset them after the update.

**Applications** - Network application.

**DLNA:** Digital Media Player (Hi-DMP) feature of Digital Living Network Alliance. Press the [◀/▶] buttons to set DLNA to On.



# Basic Features

**Netflix:** Deactivate Netflix and display the exclusive Netflix ESN.

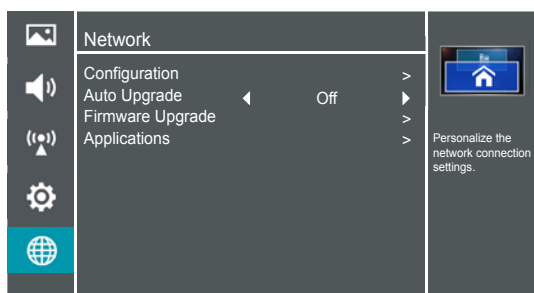
**VUDU:** Deactivate VUDU.

**PANDORA:** Deactivate Pandora.

**My Shared Devices:** Allow or deny content sharing from other devices on your network.

## NOTES

- Software Update can also be performed via downloading the latest software to a USB memory device.
- Please be careful not to disconnect the power or remove the USB drive until updates are complete. The TV will be turned on automatically after completing the software update. When software is updated, video and audio settings you made will return to their default settings and your personal settings will be deleted. We advise you to write down your settings so that you can easily reset them after the update.



## Connecting to a Wired Network

### Network Setup (Auto)

Use the Automatic Network Setup to connect the TV to a network that supports DHCP. To set up your TV's network connection automatically, follow these steps:

#### How to set up automatically

1. Connect your TV to your LAN as described in the previous section.
2. Turn on your TV, operate according to the description in the Settings menu until the Network screen appears.
3. On the Network screen, select Configuration and press [ENTER] button to enter the submenu.
4. Set Internet Connection to On and Interface to Ethernet.
5. Select IP Setting and press [ENTER] button to enter it.
6. Set Address Type to Auto.
7. Auto acquires and enters the necessary connection values automatically.
8. If the connection values are not automatically entered, please check your modem and router manuals for directions to enable automatic IP addressing by DHCP. Or, follow the steps listed in the following section, Network Setup (Manual), to manually configure the network connection.

## Network Setup (Manual)

Use the Manual Network Setup when connecting your TV to a network that requires a Static IP address.

### Getting the Network Connection Values

To get the network connection values on most windows computers, follow these steps:

1. Right click the Network icon in the bottom right of the screen.
2. In the pop-up menu that appears, click Status.
3. On the dialog that appears, click the Support tab.
4. On the Support tab, click the Details button. The network connection values are displayed.

### How to manually setup the network connection

To set up your TV's network connection manually, follow these steps:

1. Follow Steps 1 through 5 in the "How to set up automatically" procedure.
2. Set Address Type to Manual.
3. Press [▲/▼] button to select IP Address and press [◀/▶] button to move the cursor to the entry field. Then press 0~9 buttons to enter the numbers.
4. Press [MENU] button to exit IP Address and press [▲/▼] button to select the next options to enter the numbers.
5. When done, press [MENU] button to return to the previous menu.
6. Select Connection Test to check the internet connectivity.

## Wireless Setting

### How to set up

1. Turn on your TV, press Menu and select Settings Network.
2. On the Network screen, select Configuration and press the [ENTER] button to enter the submenu.
3. Set Internet Connection to On and Interface to Wireless.
4. Select Wireless Setting and press the [ENTER] button you can select: Scan / Manual / Auto.
5. If you select Scan, a screen will appear listing all of the wireless networks within range of the TV. Use the [▲/▼] button to select the wireless network with your router SSID and press the [ENTER] to confirm. Proceed to Step 7.
6. If you select Manual, a screen will appear prompting you to enter the SSID of your wireless network. Press [ENTER] and an on-screen keyboard will pop up. Enter the SSID and select OK. Press [ENTER] and a screen will appear prompting you select the security mode for your wireless network. Use the [▲/▼] button to select the proper security mode and press [ENTER] to confirm. If you selected None for the security mode, proceed to step 9.
7. A screen will appear prompting you to enter the password for the selected security mode. Press [ENTER] and an on-screen keyboard will pop up. Enter the password and select OK. Press [ENTER] to confirm. Proceed to Step 9.

## Advanced Features

8. If you select Auto, a screen will appear prompting you to select PIN (personal identification number) or PBC (push button configuration) setup. Choose the method supported by your wireless access point.

If you choose PIN, an identification number will appear on the screen for you to enter into the access point. After entering the PIN, press the [▶] button. If the PIN is in use by another device, select **[REFRESH]** to obtain a new PIN and enter it into the access point. After entering the PIN, press the [▶] button.

If you choose PBC, a screen will appear prompting to press [▶] button. After pressing the [▶] button you have two minutes to locate and press the Push Button on your access point to connect to the TV.

9. Press the **[MENU]** button to return to the previous menu.
10. Select Connection Test to check the Internet connectivity.

## DLNA Setting

You can use DLNA Certified computers, TVs, and other devices to play or transfer the videos, pictures, and music stored on your phone, tablet or other devices connected to your network. For more about DLNA (Digital Living Network Alliance), visit [www.dlna.org](http://www.dlna.org). Make sure your phone and TV are both connected to the same Wi-Fi network.

- **Set DLNA to On:**

1. On the Network screen, select Applications and press the **[ENTER]** button to enter the submenu.
2. Press the [◀/▶] buttons to set DLNA to On.

## Media Share Settings in Computer

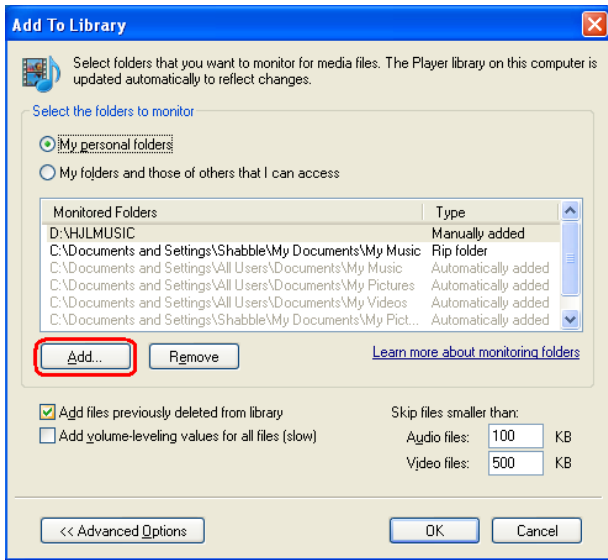
If your computer does not support DLNA, you may install software that supports DLNA such as TVersity or Windows Media Player (Version V11 or higher). We recommend Windows Media Player as the installation and setup is easier.

1. On the PC taskbar, click Start.
2. Point to All Programs, and then click Windows Media Player.
3. Click “Library” tab and then “Add to Library...” as shown in the following screen shot.

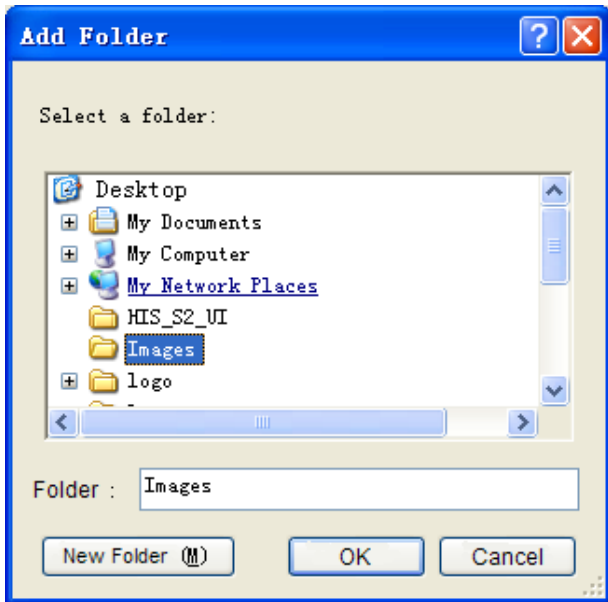


4. In the Add To Library dialog box, click “Add” as shown in the following screen shot.

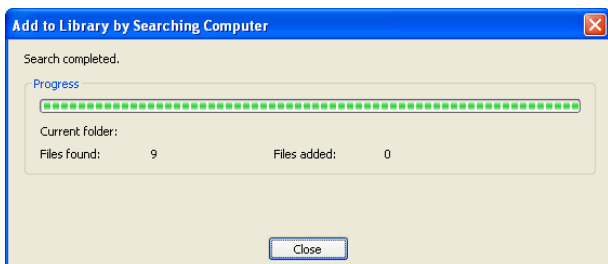
# Advanced Features



5. Select a folder and click "OK".

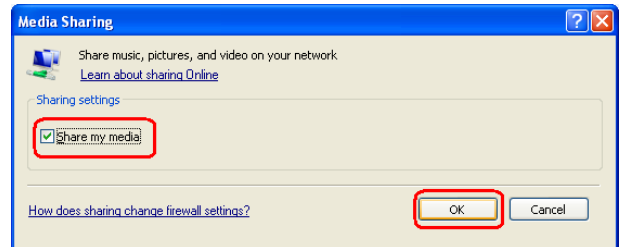


6. Click "Close" to close the dialog.

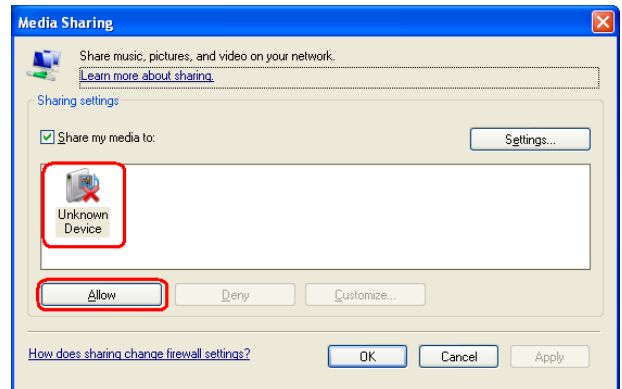


## Setting to Share Files

1. Click "Library" and move the cursor to select "Media Sharing..." as shown in the following screen shot.
2. In the Media Sharing dialog box, select the Share my media check box and click "OK".



3. After turning on media sharing, you need to select the devices that should have access to your Player library. An equipment icon will appear on the white area if the DLNA Settings have been correctly set. Select a device and then click "Allow" as shown in the following screen shot.



4. Then the TV can access to the shared files in the computer.

For information about how to customize what media you share with the device, see "Change settings for sharing media" in Windows Media Player Help.

