

## **Get started**

### **Features**

#### **DTV / TV / CATV**

You can use your remote control to select channels which are broadcast in Digital format and conventional Analog format. Also, cable subscribers can access their cable TV channels.

#### **Information display**

You can display the title, contents and other information of the current program on the TV screen.

#### **AutoProgram**

This unit automatically scans and memorizes channels available in your area, eliminating difficult setup procedures.

#### **Net TV**

This unit lets you enjoy Internet services. Use the remote control to browse the Net TV pages. You can play movies and much more, all from your TV screen.

#### **Child lock**

This feature allows you to block children's access to inappropriate programs.

#### **Closed Caption decoder**

Built-in Closed Caption decoder displays text for Closed Caption supported programs.

#### **MTS / SAP tuner**

Audio can be selected from the remote control.

#### **Auto Standby**

If there is no Input signal and no operation for 15 minutes, the unit will go into Standby mode automatically.

#### **Sleep timer**

You can set the unit to go into Standby mode after a specific amount of time.

#### **Choices for on-screen language**

Select your on-screen language: English, Spanish or French.

#### **Stereo sound function**

#### **PLL frequency synthesized tuning**

Provides free and easy channel selection and lets you tune directly to any channel using the number and decimal point “.” buttons on the remote control.

## **Various adjustment for picture and sound**

Customizes image quality suitable for your room and sets your sound preference.

## **EasyLink via HDMI link**

EasyLink allows your other HDMI link devices to be controlled by the HDMI cable connected to your TV.

## **HDMI Input**

## **HDMI-DVI Input**

If your video device has DVI Output jack, use an HDMI-DVI conversion cable to connect the unit.

## **Component Video Input**

## **PC Input**

## **AV Input**

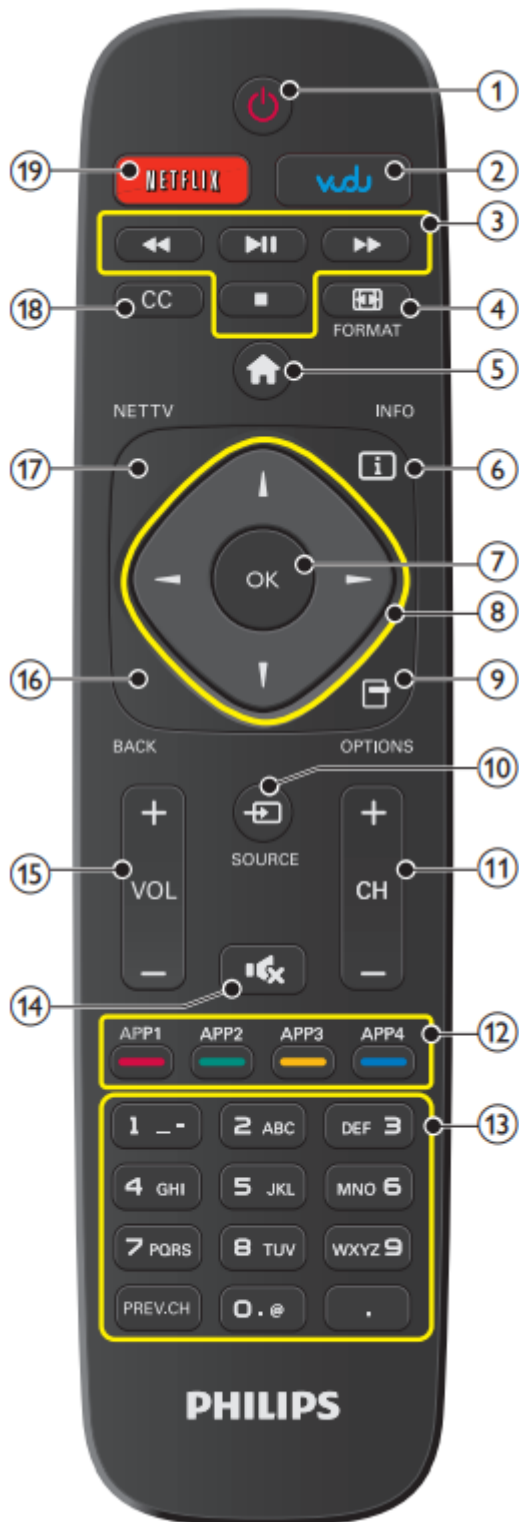
## **USB terminal**

The picture (JPEG), music (MP3) and video files stored on a USB Memory Stick can be played back on this unit.

## **Digital Audio Output**

## **Headphone Audio Output**

## Remote control



### 1. (POWER)


Turns the TV On from Standby or Off to Standby.

### 2. VUDU

Access to VUDU directly.

### 3. EasyLink(HDMI CEC) buttons

 Searches Backward or Forward through the disc.

 Starts, pauses or resumes playback.

 Stops the Disc playback.

### 4. FORMAT

Adjusts the Picture size on the TV screen.

### 5. (MENU )

Displays the main menu.

### 6. INFO

Displays Information about the current program.

### 7. OK

Press to decide the command of setting when the Home menu is displayed.

### 8. (NAVIGATION buttons)

Moves the cursor, Selects the On-screen Menu items.

### 9. OPTIONS

Displays a list of menu items applicable to the highlighted object or screen.

### 10. SOURCE

Selects Connected devices.

### 11. CH + / -

Selects a Channel.

### 12. Apps (APP1 / APP2 / APP3 / APP4) buttons

Works as direct access to user specified net apps.

### 13. 0 - 9 (NUMBER buttons)

Used to enter a Channel / Program number.

• (DOT) Use with 0 - 9 to select digital channels. For example, to enter 2.1, press



PREV.CH Returns to the previously viewed Channel.

### 14. (MUTE)

Turns the Sound On and Off.

### 15. VOL + / -

Adjusts the Volume.

### 16. BACK

Returns to the previous Menu operation.

### 17. NET TV

Access to Net TV menu directly.

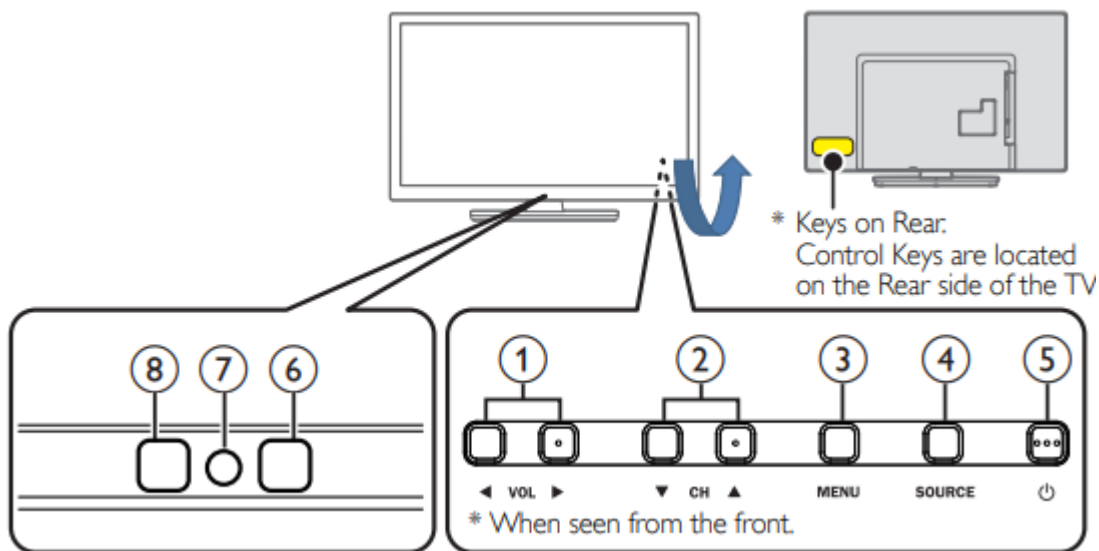
### 18. CC

Displays the audio portion of programming as text superimposed over the video.

### 19. NETFLIX

Access to Netflix directly

## Control panel



### 1. VOL ◀/▶

Adjusts the Volume. In the Menu screen, moves the Cursor Left (◀) / Right (▶).

VOL ◀ : Volume Down

VOL ▶ : Volume Up

### 2. CH ▲/▼

Selects a Channel. In the Menu screen, moves the Cursor Up (▲) /Down (▼).

### 3. MENU

Opens the Main On-screen Menu.

#### 4. SOURCE

Selects Connected devices.

#### 5. (POWER)

Turns the TV On and Off.

#### 6. Remote Control Sensor

Receives IR signal from Remote control.

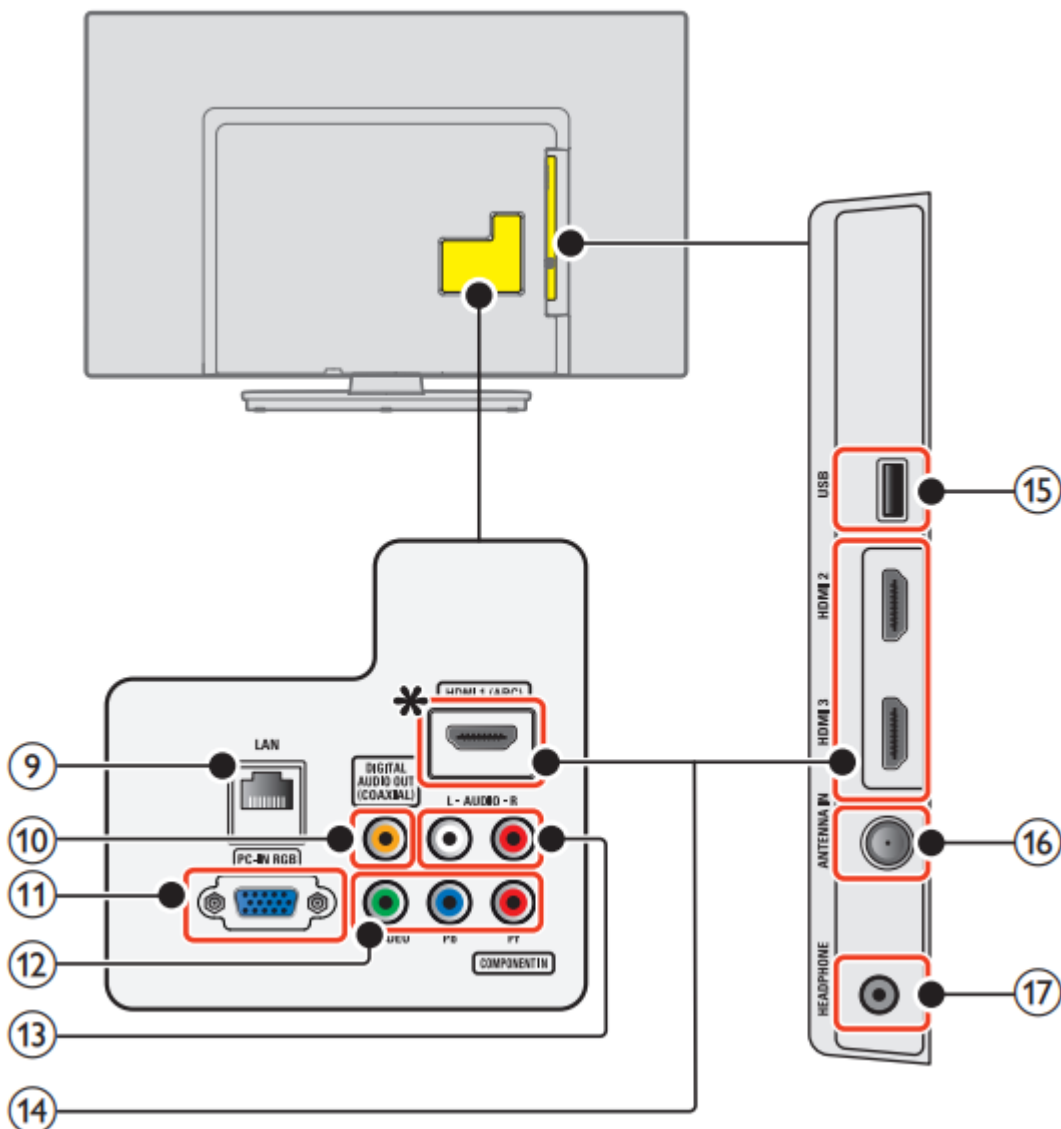
#### 7. Power On / Standby Indicator

(On : lights in white, Standby : no light)

#### 8. Ambient Light Sensor

Alters the brightness of the TV screen automatically by detecting your room lighting level. Do not block this Light Sensor window to allow proper operation.

### Terminals



## **9. Ethernet port**

For Internet connection using an Ethernet cable with an RJ-45 connector.

## **10. Digital Audio Output jack**

Digital Audio (S/PDIF) Output to home theaters and other Digital Audio systems.

## **11. PC Input jack**

VGA cable connection for PC.

## **12. Component (Y/Pb/Pr) / Composite Video (VIDEO) Input jacks for VIDEO**

Composite Video Input (VIDEO) jack is a shared jack with Component Video Input (Y) jack.

## **13. Analog Audio (L/R) Input jacks**

Connect Analog Audio signals from;

- HDMI-DVI / Analog Audio (L/R) jacks signal
- Component Video / Analog Audio (L/R) jacks signal
- Composite Video / Analog Audio (L/R) jacks signal
- PC Connection / Analog Audio (L/R) jacks signal with Stereo mini 3.5mm plug Audio cable on PC

## **14. HDMI Input jack(s)**

Digital audio and video Input from high definition Digital devices such as DVD / Blu-ray disc players, cable / satellite set-top boxes, PC's.

\* For HDMI 1 only

In addition to normal HDMI and HDMI-DVI functionality, it outputs TV Audio to an HDMI-ARC-compliant device, such as a home theater system.

## **15. USB terminal**

Data Input from USB Memory Stick only.

Do not connect any device to this terminal such as; Digital camera, keyboard, mouse, etc.

## **16. 75 ohm Cable / Antenna connection**

Signal Input from an antenna or cable / satellite set-top boxes.

## **17. Headphone Audio Output jack**

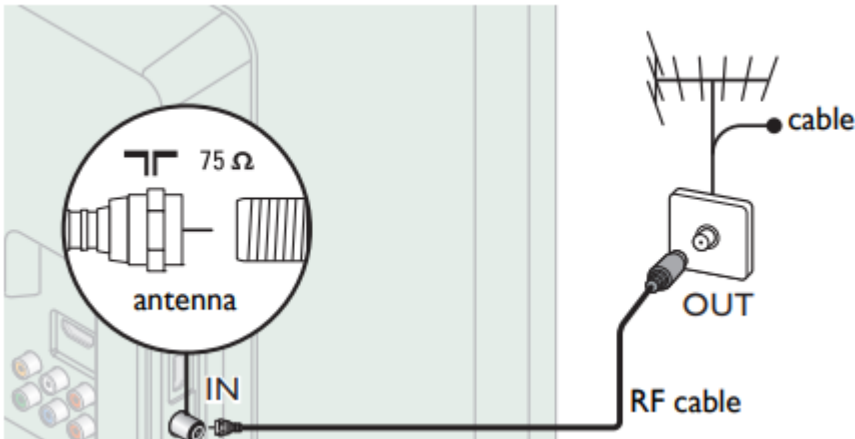
Headphone 3.5mm stereo jack for personal listening.

## **Connecting the antenna or the cable**

Be sure your antenna or other device is connected properly before plugging in the AC power cord.

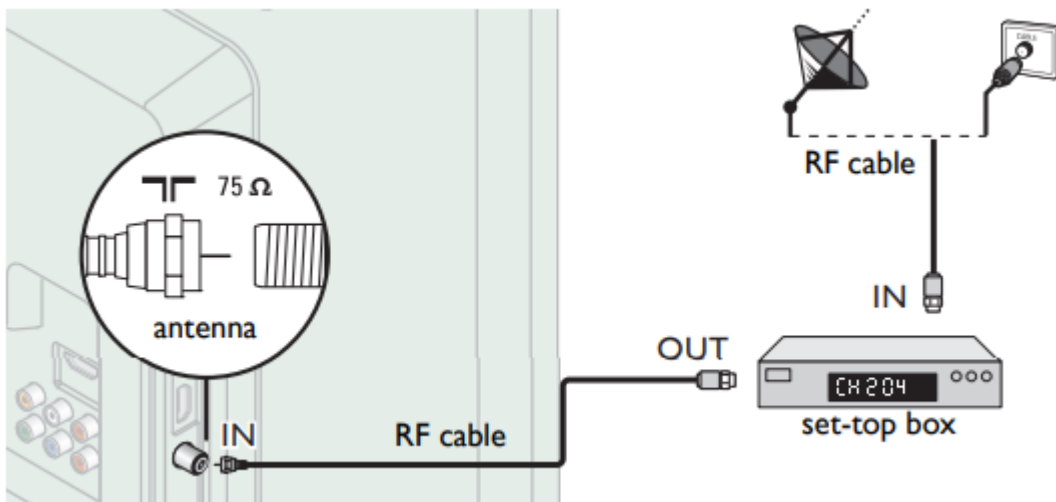
### **If you connect to an antenna through RF cable**

Any DTV programs that are broadcast in your area can be received for free through an antenna connection.




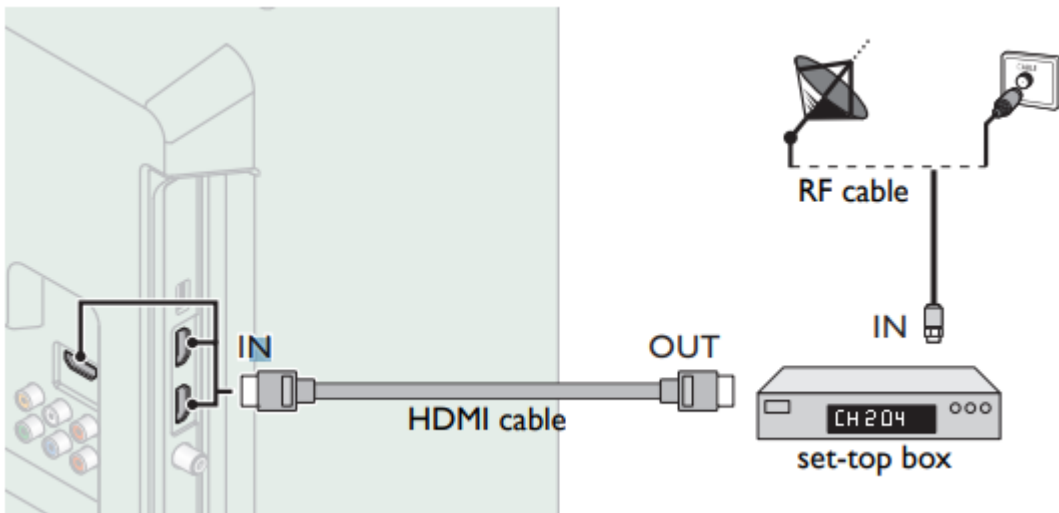
### If you connect a set-top box through RF cable

If the TV is connected to a cable / satellite set-top box via a coaxial connection, set the TV to channel 3, 4 or the channel specified by the service provider




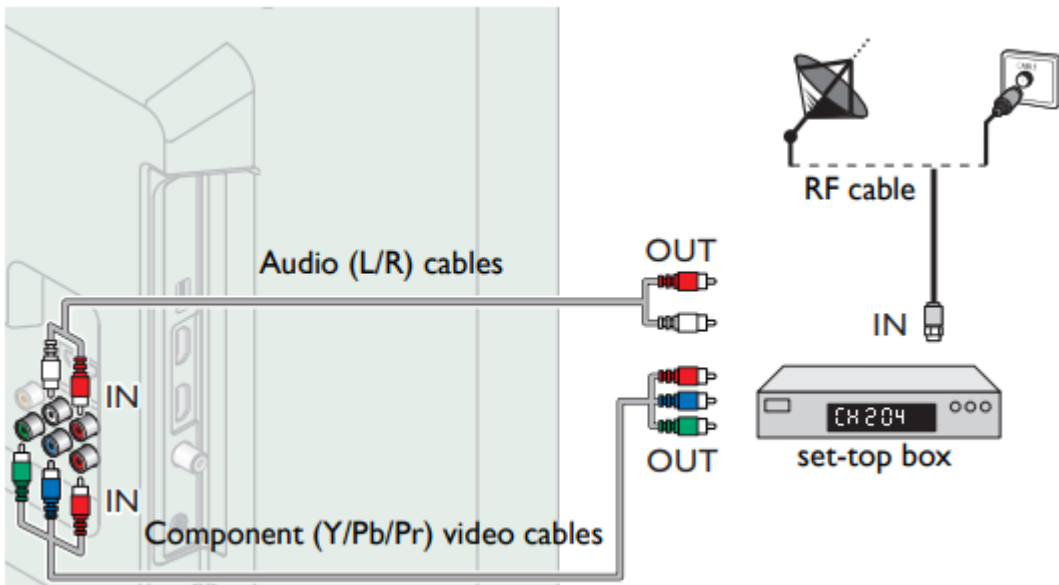
### If you connect a set-top box through HDMI

If the TV is connected to a cable / satellite set-top box via HDMI, make sure you select the correct Source by using  SOURCE.



**If you connect a set-top box through Component Video Input**

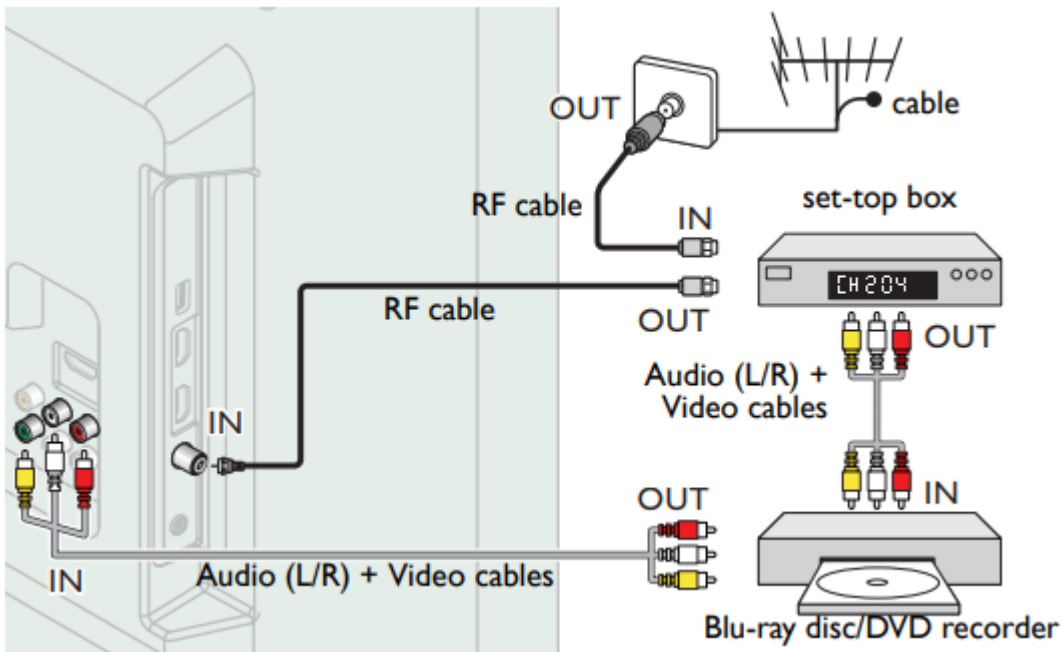
If the TV is connected to a cable / satellite set-top box via Component Video Input, make sure you select the correct Component Video Source by using  **SOURCE**.



**Connecting a set-top box, Blu-ray disc / DVD recorder via composite connectors and Analog Audio**

Do not place your recorder too close to the screen because some recorders can be susceptible to signals.





**Note:**

- If you have any question about the DTV's antenna.
- Depending on your antenna system, you may need different types of combiners (mixers) or separators (splitters) for HDTV signal. The minimum RF bandpass on these devices is 2,000MHz or 2GHz.
- For your safety and to avoid damage to this unit, please unplug the RF coaxial cable from the antenna Input jack before moving the unit.
- If you did use an antenna to receive Analog TV, it should also work for DTV reception. Outdoor or attic antennas will be more effective than a set-top box or inside antenna.
- To Turn On your reception source easily between antenna and cable, install an antenna selector.
- If you are not receiving a signal from your cable service, contact the Cable provider.
- Only the left loudspeaker reproduces sound for mono equipment. Use a mono to stereo adapter (not supplied) for sound reproduction via all internal loudspeakers

**Plugging in the AC power cord**

Make sure that the AC power cord must be plugged to an AC outlet after all the necessary connections are made.

**Caution**

- Do not connect the AC power cord to a power supply outside the indicated voltage of this unit (AC 120V).
- Connecting the AC power cord to a power supply outside of this range may result in fire, smoke, unit failure or electrical shock.

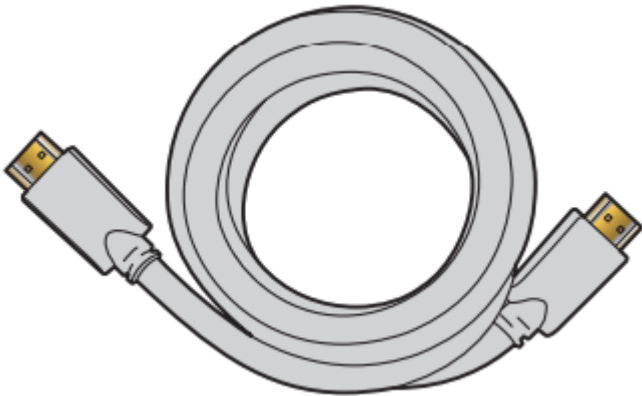


**Note:** Each time you plug in the AC power cord, no operations will be performed for a few seconds. This is not a malfunction.

Before you connect AC power cord: Be sure other devices are connected properly before plugging in the AC power cord.

## Selecting your connection quality

### HDMI - Highest quality



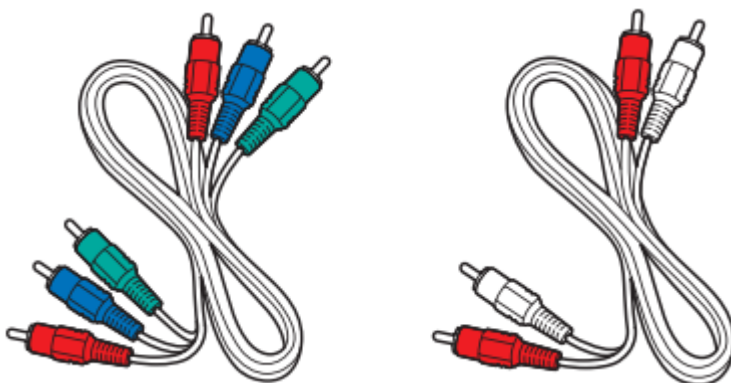
Supports high-definition Digital signals and gives highest picture and sound quality. Video and audio signals are combined in one cable. You must use HDMI for full high-definition video and to enable Philips EasyLink (HDMI CEC).

#### Note

Philips HDMI supports HDCP (High-bandwidth Digital Contents Protection). HDCP is a form of Digital Rights Management that protects high definition content in Blu-ray discs or DVDs.

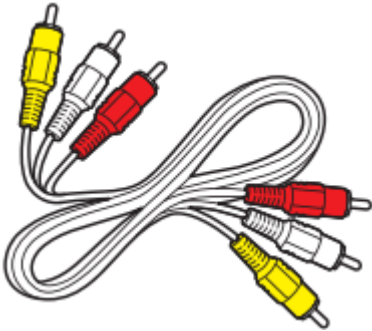
The HDMI-ARC connector on the TV features HDMI-ARC functionality. This allows output of TV Audio to an HDMI-ARC-compliant device.

### Component (Y Pb Pr) - High quality



Supports high-definition Analog signals but gives lower picture quality than HDMI. Component (Y/Pb/Pr) Video cables combine red / green / blue video cables with red / white audio (L/R) cables. Match the cable colors when you connect to the TV.

### Composite - Basic quality



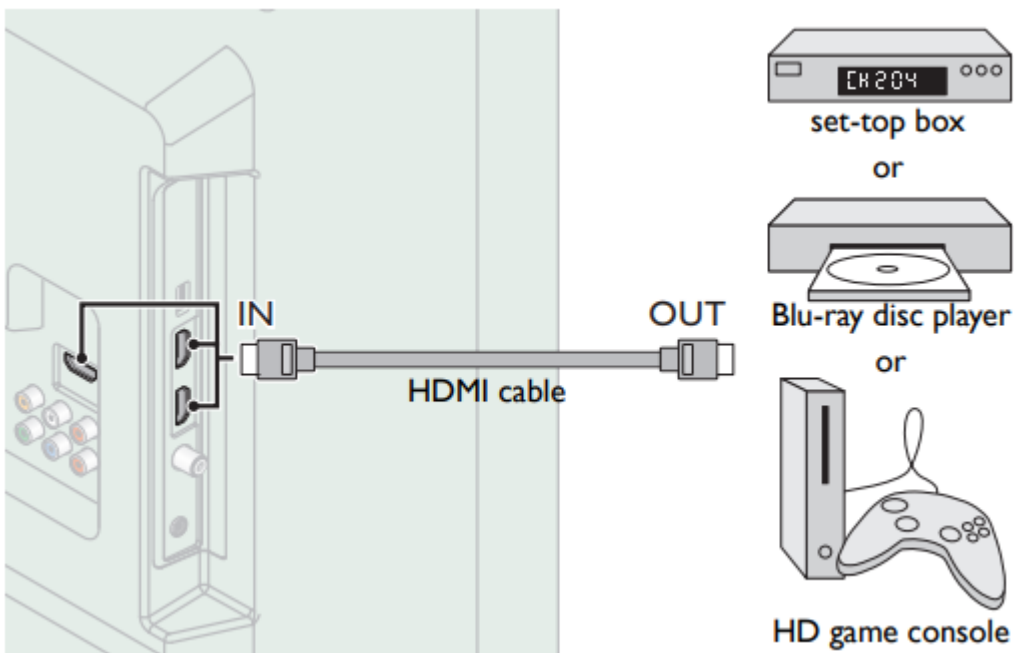
For analog connections. Composite Video / Audio Analog cable usually combine a yellow video cable with red / white audio (L/R) cables. With this unit, yellow cable must be connected to Y (green) jack of Component Video Input jacks.

### Connecting your devices

#### HDMI Digital connection

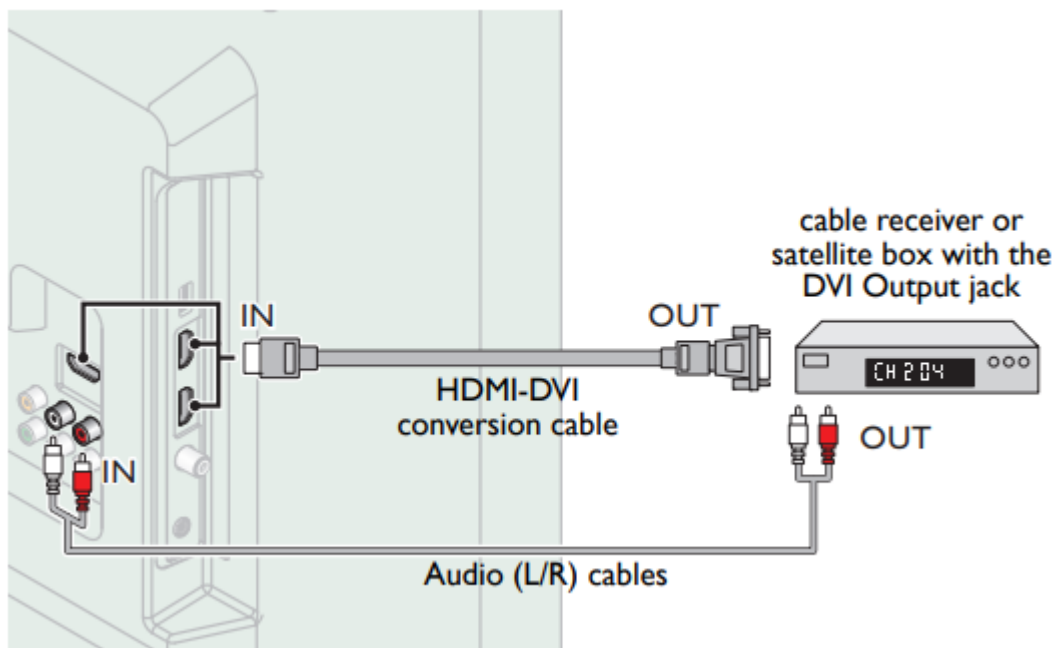
HDMI connection offers the highest picture quality.

HDMI (High-Definition Multimedia Interface) transports high definition Digital video and multi-channel Digital Audio through a single cable.



## HDMI-DVI connection

This unit can be connected to your device that has a DVI terminal. Use an HDMI-DVI conversion cable for this connection and it requires audio cable for Analog Audio signal as well.



### Note

- Use an HDMI cable with the HDMI logo (a certified HDMI cable). High Speed HDMI cable is recommended for the better compatibility.

### For HDMI connection

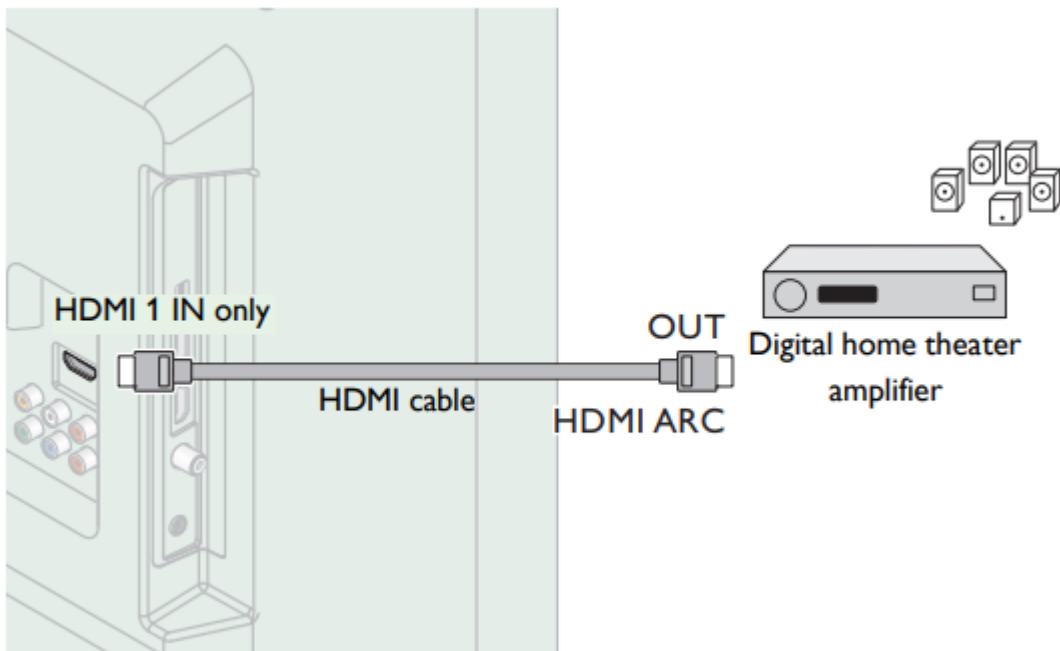
- The unit accepts 480i / 480p / 720p / 1080i, 1080p 24/30/60Hz of video signals, 32kHz / 44.1kHz and 48kHz of audio signals.
- This unit accepts 2 channel Audio signal (LPCM) only.
- This unit accepts only signals in compliance with EIA861.

### For HDMI-DVI connection

- The unit accepts 480i, 480p, 720p, 1080i and 1080p video signals.
- HDMI-DVI connection requires separate audio connections as well and the audio signals are output as Analog (L/R) Audio.
- DVI does not display 480i image which is not in compliance with EIA/CEA-861/861B.

## HDMI-ARC connection

HDMI-ARC allows you to use EasyLink to output TV Audio directly to a connected Audio device, without the need for an additional Digital Audio cable.



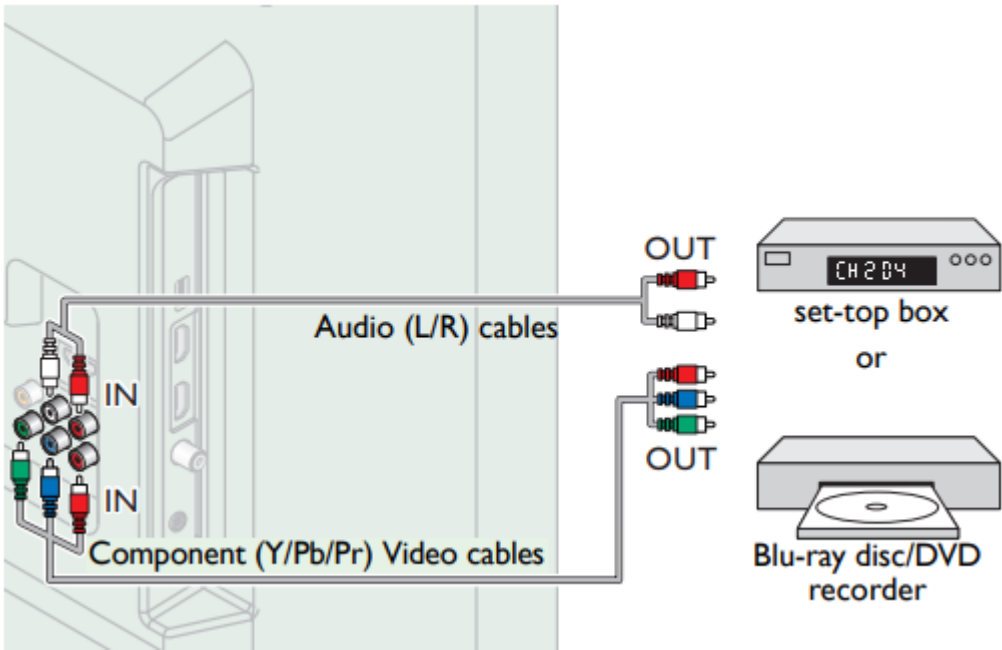
### Note

- The HDMI 1 connector is HDMI Audio Return Channel (ARC) compliant. Use it to output Digital Audio to an HDMI home theater system.
- Be sure that the device is HDMI CEC and ARC compliant and that the TV is connected to the device using an HDMI cable attached to HDMI-ARC connectors.

### Component Analog Video Connection

Component Analog Video connection offers better picture quality for video devices connected to the unit.

If you connect to the unit's Component Video (Y/Pb/Pr) Input jacks, connect Analog Audio cables to the Analog Audio (L/R) Input jacks

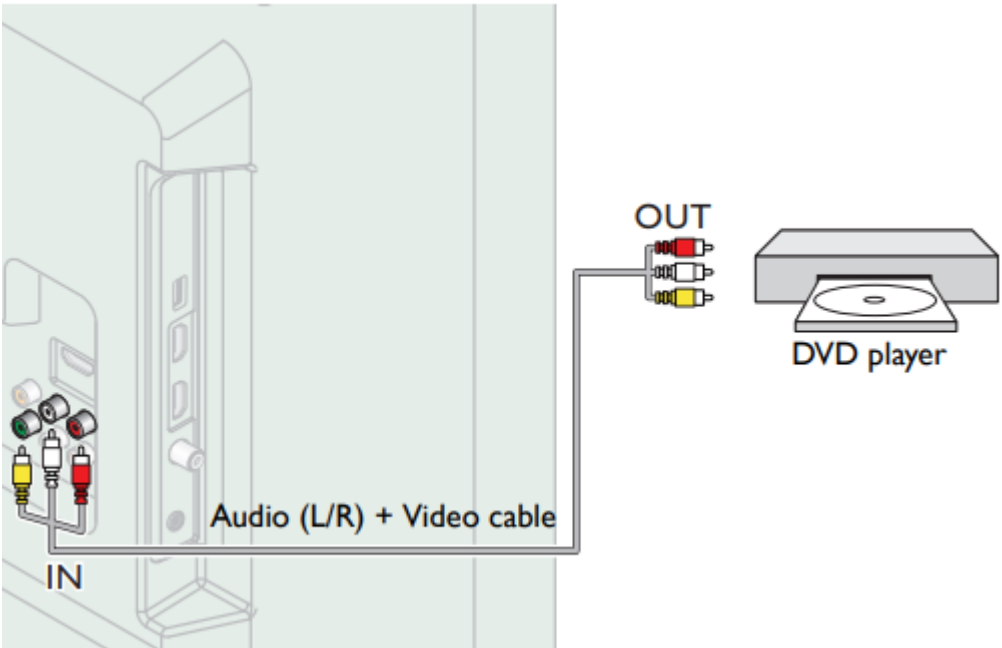


**Note:** The unit accepts 480i / 480p / 720p and 1080i of video signals for this connection.

### Composite Analog Video Connection

Composite Analog Video connection offers standard picture quality for video devices connected to the unit.

If you connect to the unit's Composite Video (Y/VIDEO) Input jack, connect audio cables to the Audio (L/R) Input jacks. When the Audio is monaural, then only connect to the Audio L Input jack.



### Note

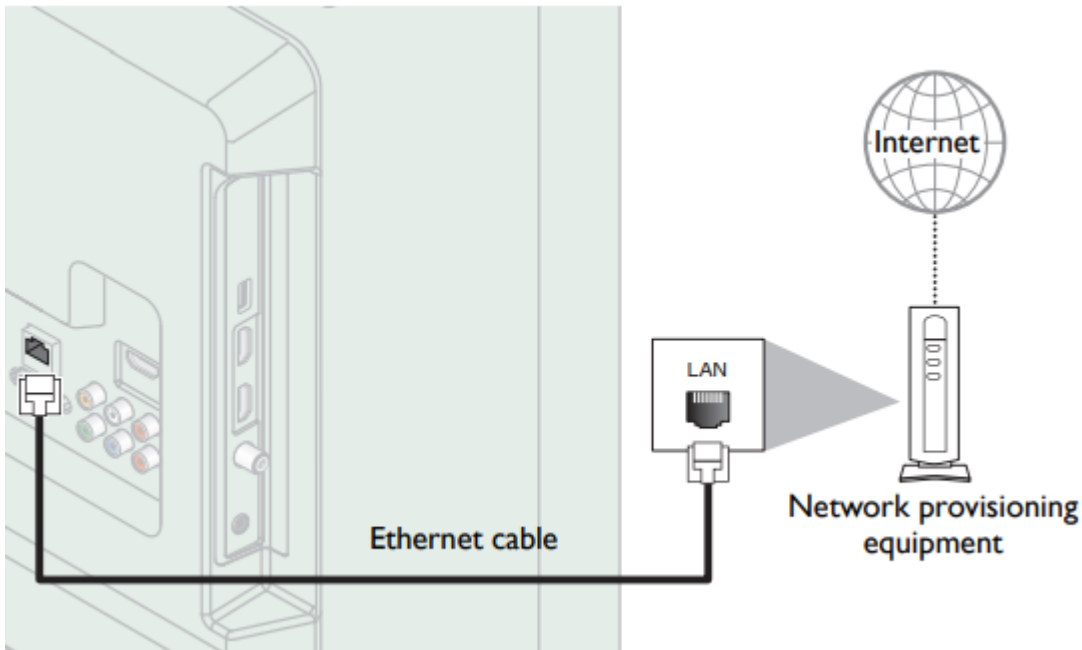
With this unit, yellow cable must be connected to Y (green) jack of Component Video Input jacks.



Whenever you connect to the Composite Video Input jack (Y/VIDEO), you must disconnect the Component Video Input jacks (Pb and Pr). If you leave those jacks connected, it may cause of an unstable picture.

Only the left loudspeaker reproduces sound for mono equipment. Use a mono to stereo adapter (not supplied) for sound reproduction via all internal loudspeakers

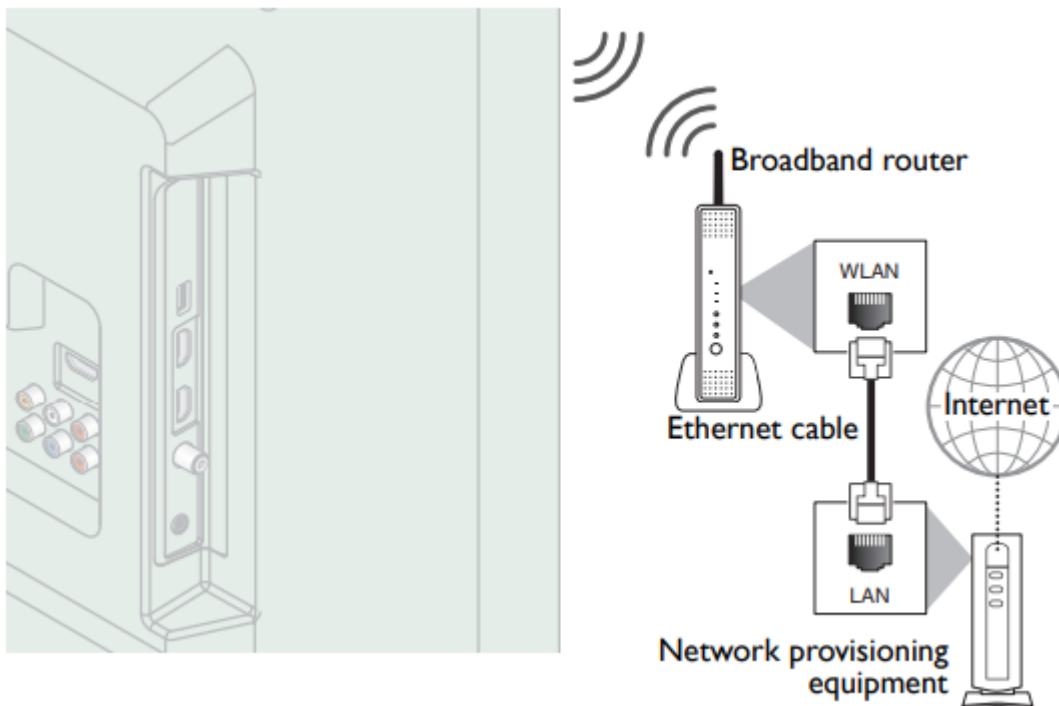
### Connecting the TV to the Internet using an Ethernet cable



#### Note

- Please purchase shielded Ethernet cables at your local store and use them when you connect to network equipment.
- After connecting an Ethernet cable, set up necessary network settings.
- Do not insert any cable other than an Ethernet cable to the Ethernet port to avoid damaging the unit.
- If your telecommunications equipment (modem, etc.) does not have broadband router functions, connect a broadband router.
- If your telecommunications equipment (modem, etc.) has broadband router functions but there is no vacant port, use a hub.
- For a broadband router, use a router which supports 10BASE-T / 100BASE-TX.
- Do not connect your PC directly to the Ethernet port of this unit.

## Connecting the TV to the Internet using a wireless LAN

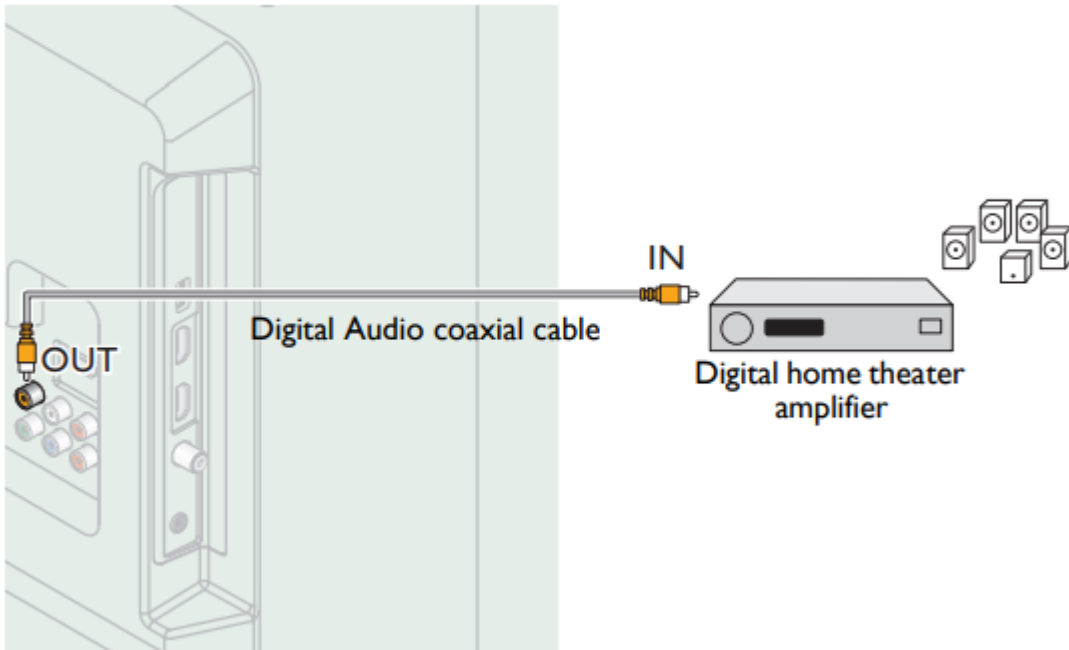


### Note

- After you made the wireless connection, set up necessary network settings.
- Use a Wireless LAN Access Point (AP) (e.g. wireless router) which supports IEEE 802.11 b/g/n. (n is recommended for stable operation of the wireless network.)
- This unit does not support Ad-hoc mode.
- Other radio devices or obstacles may cause interference to the wireless network connection.

### Digital Audio Output Connection

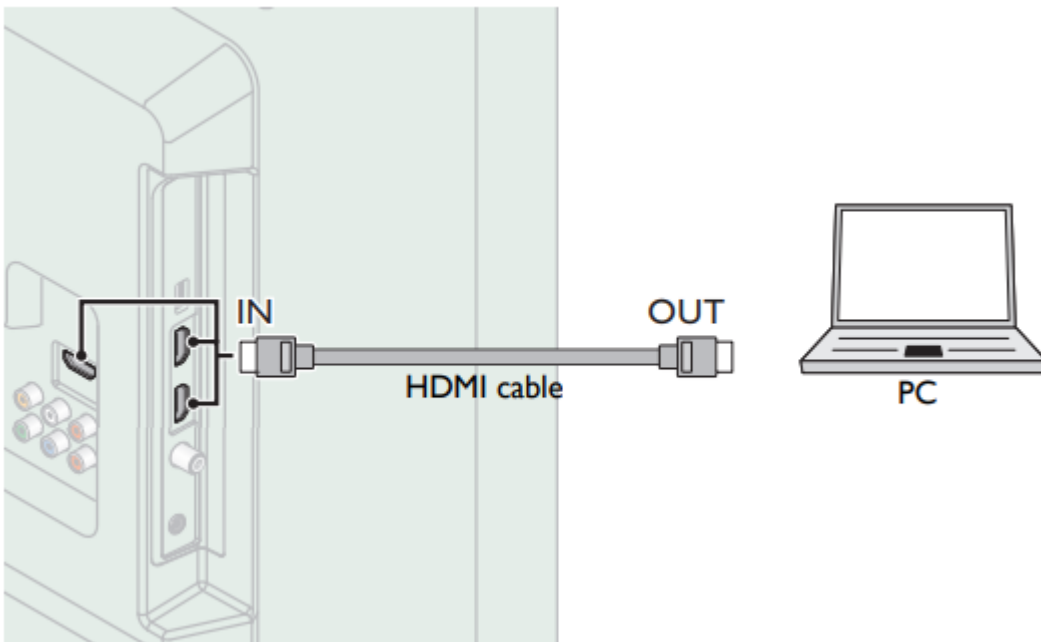
If you connect this unit to an external Digital Audio device, you can enjoy multi-channel audio like 5.1ch Digital broadcasting sound. Use a Digital Audio coaxial cable to connect the unit to external Digital Audio devices.



### PC connection

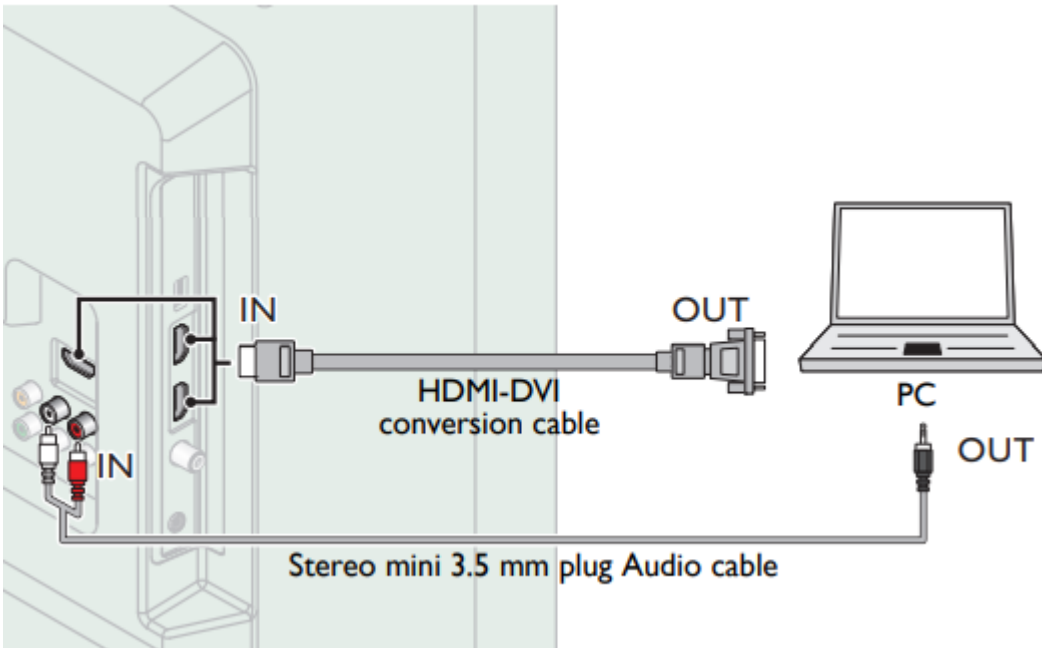
#### HDMI connection

This unit can be connected to your PC that has a HDMI terminal. Use an HDMI cable for this Digital connection.



#### HDMI-DVI connection

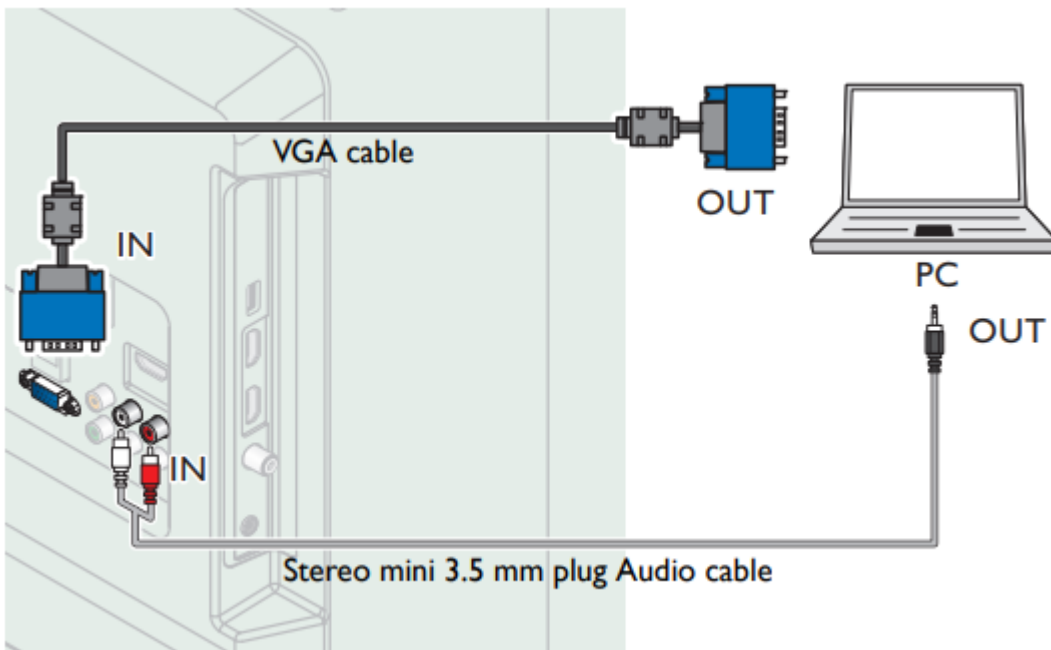
This unit can be connected to your PC that has a DVI terminal. Use an HDMI-DVI conversion cable for this Video Digital connection and it requires Stereo mini 3.5mm plug Audio cable for Analog Audio signal as well.



### VGA connection

This unit is equipped with a PC Input jack. If you connect this unit to your PC, you can use this unit as a PC monitor.

Use a VGA cable for this Video connection and it requires a Stereo mini 3.5mm plug Audio cable for Analog Audio signal as well.



The following video signals can be displayed:

Format	Resolution	Refresh rate
VGA	640 x 480	60Hz
SVGA	800 x 600	
XGA	1,024 x 768	
WXGA	1,280 x 768	
	1,360 x 768	
FHD	1,920 x 1,080	

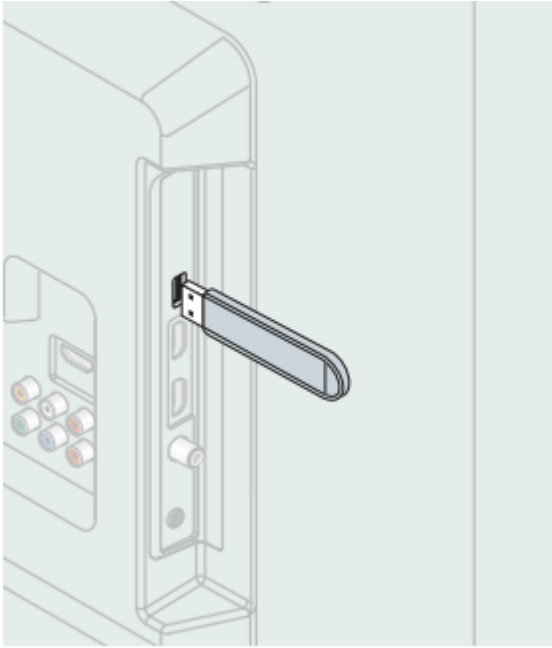
### Note

- Please purchase the VGA cable or HDMI-DVI conversion cable that has a ferrite core.
- The following operations may reduce noise.
  - Attach a ferrite core to the AC power cord of your PC.
  - Unplug the AC power cord and use the built-in battery of your PC.
- Use an HDMI cable with the HDMI logo (a certified HDMI cable). High Speed HDMI cable is recommended for the better compatibility.
- The unit accepts 480i, 480p, 720p, 1080i and 1080p video signals.
- HDMI-DVI connection requires separate audio connections as well and the audio signals are output as Analog (L/R) Audio.
- DVI does not display 480i image which is not in compliance with EIA/CEA-861/861B

### USB Memory Stick

This unit offers easy playback of picture (JPEG), music (MP3) and video files.

Insert the USB Memory Stick into the USB terminal shown below.



### Note

- The unit recognizes only a USB Memory Stick.
- Do not use a USB hub or an extension cable to connect an external hard disk drive to the unit. (Not supported.)
- A USB Memory Stick is always inserted to this unit directly.
- A USB Memory Stick is not supplied with this unit.
- We do not guarantee that all USB Memory Sticks can be supported by this unit.
- Be sure to keep a backup copy of the original files on your device before you play them back on this unit. We have no responsibilities for damage or loss of your stored data.
- To protect your USB Memory Stick files from being erased place the write protect sliding tab in the protect position.
- When you are ready to remove a USB Memory Stick, set the unit to go into Standby mode to avoid any damage to your data and the unit.
- A USB Memory Stick that requires its own driver or the device with a special system such as fingerprint recognition are not supported.
- This unit is not allowed to use the USB Memory Stick which requires an external power supply (500mA or more).

### Initial setup

This section will guide you through the unit's initial setting which includes selecting a language for your on-screen menu, country, location and AutoProgram, which automatically scans and memorizes viewable channels. You can also set the network connection in this setting.

### Before you begin:

Make sure the unit is connected to antenna or cable.

1. After making all the necessary connections, press to Turn On the unit.

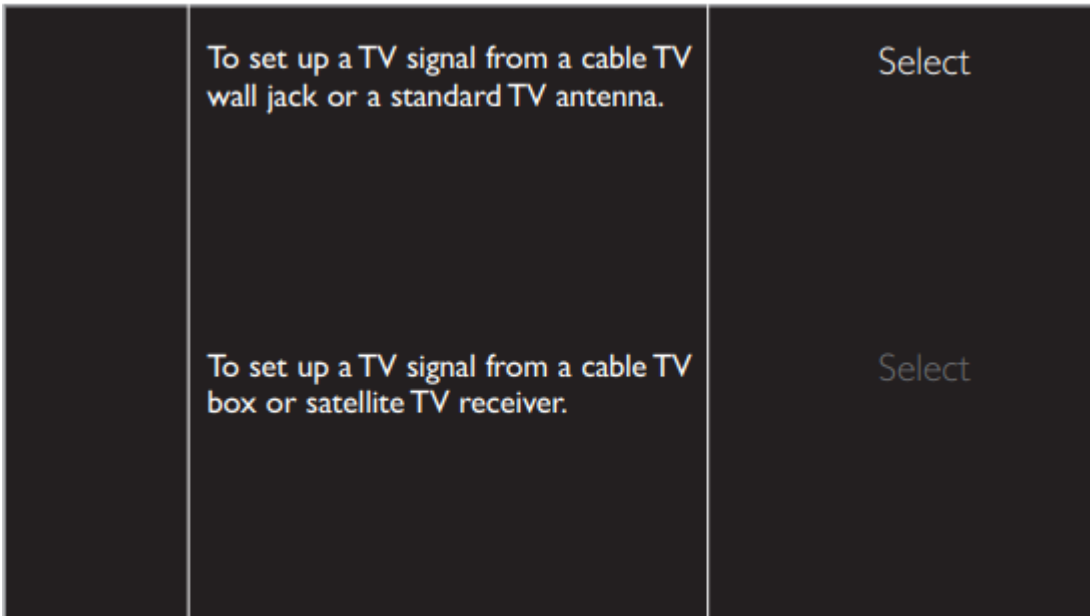
- It may take a few moments to Turn On the unit for the first time.
- **Initial setup** menu appears automatically after the unit is Turned On.

2. Use ▲ ▼ to select the on-screen language, country, TV placement, location on the right side of the TV screen, then press **OK**.

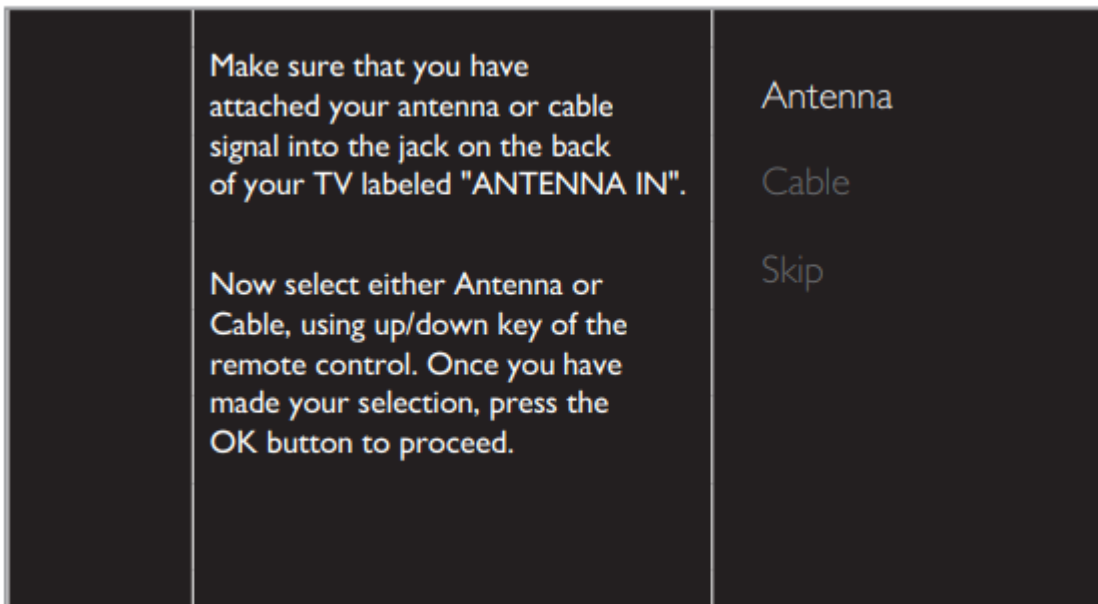
- You must set **Home** in location setting. Otherwise, **Picture** and **Sound** settings you adjusted will not be memorized after the unit goes into Standby mode.

3. Use ▲ ▼ to select the signal type.

- If the TV is connected to a cable box or satellite set-top box, select the 2nd one and skip to step 5.



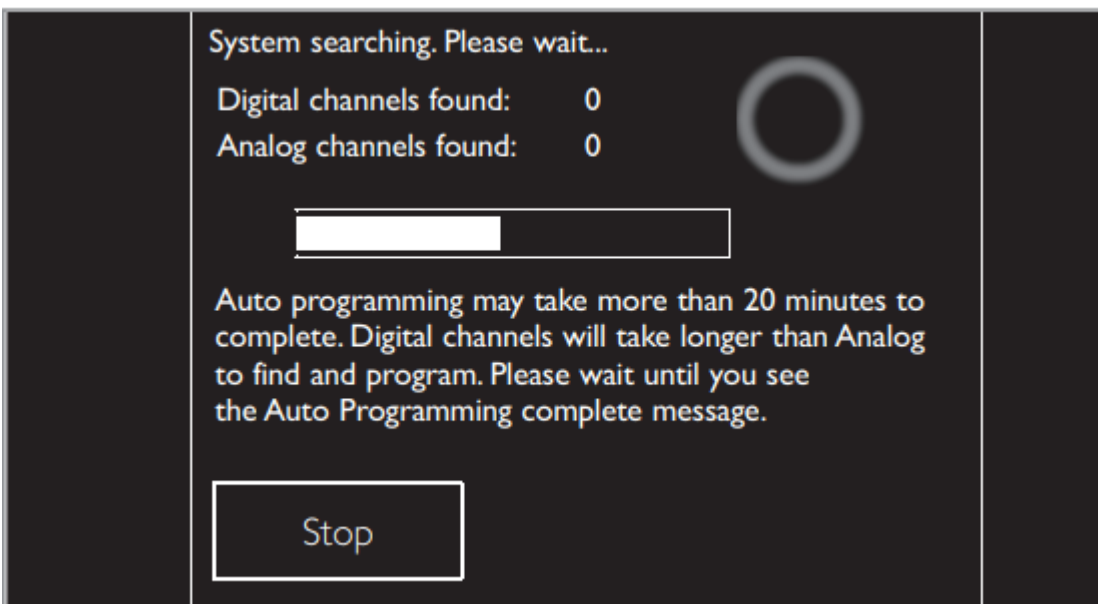
4. Use ▲ ▼ to select **Antenna** for TV channels or **Cable** for CATV channels, then press **OK**.



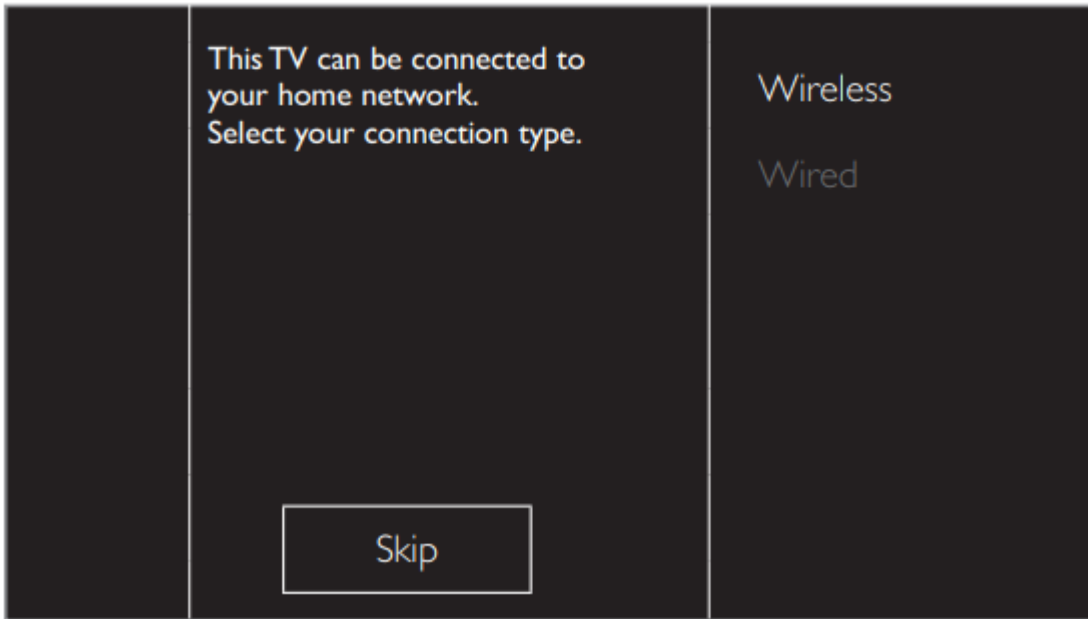
– When Antenna is selected, the TV detects antenna signals. It searches for DTV and Analog TV channels available in your area.

– When Cable is selected, the TV detects signals supplied by cable. It searches for DTV, Analog TV and Cable channels available in your area.

- Autoprogram will begin.



5. After the channel installation is completed, Network setup screen will appear. Use ▲ ▼ to select **Wireless** or **Wired**, then press **OK**.



Wireless: If you have a Wireless router, select Wireless to connect to the Internet.

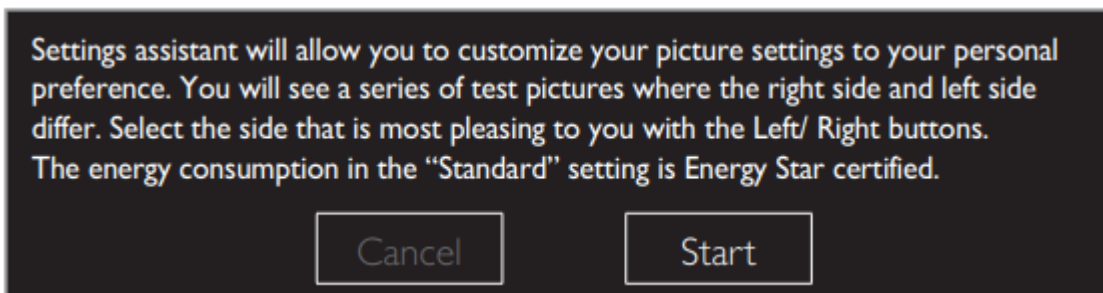
Wired: If you connect with an Ethernet cable, select Wired to connect to the Internet.

- If you have a router with WPS function, select **Wireless** and use ▲ ▼ to select **Easy Connect**, then press **OK**.

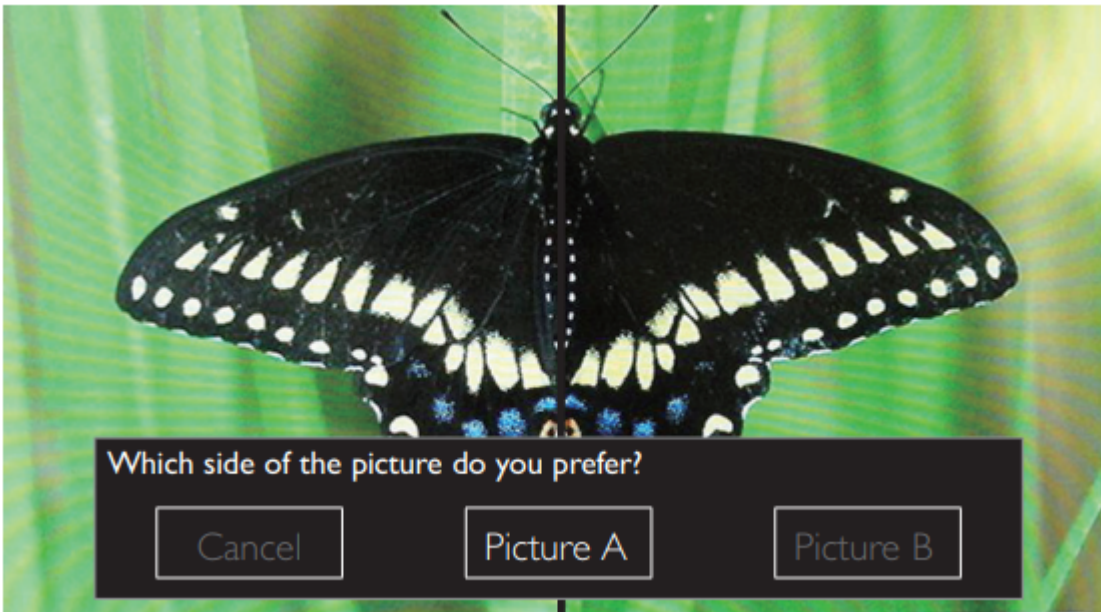
6. Follow the on-screen instructions to complete the installation.

- When you select **On** in the selection screen of **Auto software update**. A message will appear if there is the latest software on the network server.

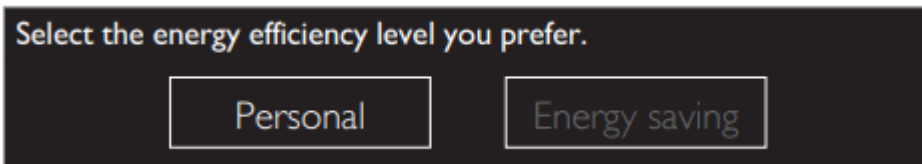
7. Use ◀ ▶ to select **Start**, then press **OK** to begin **Settings assistant**.



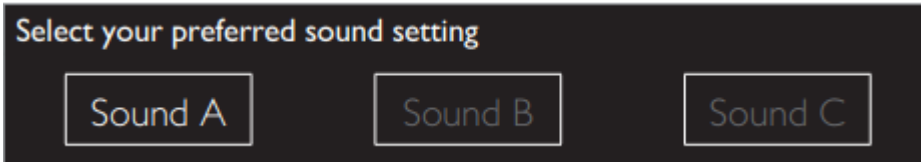
8. Press ◀ or ▶ 5 times to select the side of the pictures that is the most pleasing to you, then press **OK**.



9. Use ◀▶ to select your preferred energy efficiency level, then press **OK**.



10. Use ◀▶ to select your preferred sound setting, then press **OK**.



11. Press **OK** to finish **Settings assistant**



- **Network updates** will appear after **Connection test** succeeds. Use ◀▶ to select **Yes**, then press **OK**.
- When the initial setup is completed, the lowest memorized channel with the confirmation message will be displayed on the TV screen.

#### Note


- If you are not receiving a signal from your cable service, contact the Cable provider.
- If you press during autoprogram, this setup of TV channels will be cancelled.
- The initial AutoProgram function can be executed for either Antenna or Cable only once. When you change the connection (Antenna / Cable), select Autoprogram again

**Useful tips**

**FAQ**



Question	Answer
<p>My remote control does not work. What should I do?</p>	<p>Check the antenna or cable connection to the main unit.</p> <p>Check the batteries of the remote control.</p> <p>Check if there is an obstacle between the infrared sensor window and the remote control.</p> <p>Test the signal Output use IR Signal Check. If okay, then possible infrared sensor trouble.</p> <p>Aim the remote control directly at the infrared sensor window on the front of the unit.</p> <p>Reduce the distance to the unit.</p> <p>Re-insert the batteries with their polarities (+/-) as indicated.</p> <p>When there is an infrared-equipped device such as PC near this unit, it may interrupt the remote control signal of this unit. Move the infrared-equipped device away from this unit, change the angle of the infrared sensor or Turn Off the infrared communication function.</p>
<p>How come the Initial setup appears every time I Turn On this unit?</p>	<p>Make sure to complete the initial setup before the unit goes into Standby mode.</p>
<p>Why can I not watch some RF signal TV programs.</p>	<p>Autoprogram must be completed when you set up the unit for the first time or move it to a location where previously unavailable channels are broadcast.</p> <p>Make sure Autoprogram has been completed.</p> <p>The selected channel may not be broadcasting.</p> <p>When Autoprogram is interrupted and not completed, some channels will not be received. Make sure to complete the Autoprogram.</p> <p>The selected channel cannot be viewed by the Child and ratings lock setting.</p> <p>The unit requires some kind of antenna Input. An indoor antenna (Digital or VHF / UHF), an external antenna (Digital</p>

Question	Answer
	or VHF / UHF) or an RF coaxial cable from your wall Cable / Satellite set-top box needs to be plugged into the unit.
How come there is no image from the connected external devices?	<p>Check if the correct Input mode is selected by pressing  SOURCE. Watching channels from an external device.</p> <p>Check the antenna, cable or other Input connection to the unit.</p> <p>When using the Component Video connection check that the Green (Y), Blue (Pb/Cb) and Red (Pr/Cr) connectors are connected to their corresponding colored jacks on the unit.</p>
When I enter a channel number, it changes automatically	Many Digital channels have alternate channel numbers. The unit changes the numbers automatically to the ones signifying the broadcasting station channel number. These basic numbers used for previous Analog broadcasts. (e.g., Input ch# 30 automatically changes to ch# 6.1)
Why are captions not displayed entirely? Or, captions are delayed behind the dialog.	Captions that are delayed a few seconds behind the actual dialog are common for live broadcasts. Most captioning production companies can display a dialog to maximum of 220 words per minute. If a dialog exceeds that rate, selective editing is used to insure that the captions remain up-to date with the current TV screen dialog.
How can I set the clock?	There is no clock function on this unit.
I cannot change the Child lock setting because my PIN code no longer works.	Although the default PIN code (0000) is supplied with the unit, the PIN code will be required once you set a PIN code in Child and ratings lock. When you forget your PIN code, enter 0711 in Change PIN to reset the PIN code.
How come the “Software update failed.” message appears when I Turn On this unit?	The unit will not work correctly unless the software upgrade is completed.

## Troubleshooting

### Power

No power

- Make sure the AC power cord is plugged in.
- Make sure that the AC outlet supplies the proper voltage, plug another electrical appliance into the AC outlet to ensure that the AC outlet operates normally.
- If a power failure occurs, unplug the AC power cord for 1 minute to allow the unit to reset itself.

### Remote

Control buttons do not work.


- Press only one button at a time. Do NOT press more than one button at the same time.
- Ensure that no buttons on the remote control are depressed and move freely.

Universal remote control does not work properly.

- Refer to the user manual of the universal remote control for the Philips code.

### Picture

Power is ON but no screen image.

- Check whether the connection of the antenna, cable receiver or satellite box is connected correctly.
- Check whether all the cables to the unit are connected to the correct Output jack of your device like Blu-ray / DVD recorder.
- Make sure that the selected Input mode is connected to the working Input jack.
- Check if your computer is NOT in sleep mode when the Input mode of this unit is in PC mode. Tap any key on the keyboard to wake up your computer.
- Check if the correct input mode is selected by pressing  SOURCE.

No color

- View other TV channels. The problem might be limited to the broadcasting station or weak signal strength.
- Adjust Color in Picture settings.

Picture poor, sound OK


- Electrical interference from nearby appliances may affect picture quality when viewing an off-the-air low power NTSC analog broadcast signal.
- Adjust Contrast and Brightness in Picture settings.

- View other TV channels. The problem might be limited to the broadcasting station or weak signal strength.
- For the best picture quality, watch “High Definition” wide screen programs. If the HD content is not available, watch “Standard Definition” programs instead.

You see noise or trash on the screen.

- When the capabilities of the unit exceed the capabilities of the Digital broadcasting, the signal will be increased to match the capabilities of the display of the unit. This may cause noise or trash. When viewing an off-the-air low power NTSC Analog broadcast signal may show noise or trash on the screen.



Unusual picture appears and the TV does not operate.

- Press the power button first. If it does not solve, follow the procedure below.
1. Press the buttons on the remote control in the order shown below. ► => ▲ => ▼ => 
  2. Unplug the AC power cord once, and wait for 1 minute, and then plug it in again.

## Picture & Sound

No picture or sound

Check if the Power is on.

- Check whether all the cables to the unit are connected to the correct Output jack of your device like Blu-ray / DVD recorder.
- View other TV channels. The problem might be limited to the broadcasting station or weak signal strength.
- Unplug the AC power cord and wait for about 1 minute, then plug the AC power cord and Turn On the unit again.
- Check whether the connection of the Antenna or Cable / Satellite set-top box is connected correctly.
- Make sure that the selected Input mode is connected to the working Input jack.
- Check if your computer is NOT in sleep mode when the Input mode of this unit is in PC mode. Tap any key on the keyboard to wake up your computer.
- Make sure that the sound is not muted. Press  (MUTE) so that the volume bar and current volume level will appear on the TV screen.
- Make sure that the volume is NOT set to 0 or . If so, use **VOL + / -** to adjust to the desired volume.
- Make sure that the headphone is NOT connected to the Headphone Audio Output jack.
- Make sure that the **TV speakers** is NOT set to **Off**.

Adjusted **Picture** or **Sound** settings are not effective every time the unit is turned On.

- You must set to **Home** in **Location**. Otherwise, the settings you adjusted will not be memorized after the unit goes into Standby mode.

You see a distorted picture or hear an unusual sound.

- You may be getting NTSC TV signal (not HDTV signal) interference from electrical appliances, automobiles, motorcycles or fluorescent lights.
- Try moving the unit to another location to see if this is the cause of the problem.

Ghosts, lines or streaks in picture.

- Electrical interference from nearby appliances may affect picture quality when viewing an off-the-air low power NTSC analog broadcast signal.
- View other TV channels. The problem might be limited to the broadcasting station or weak signal strength.

## **Sound**

No sound, distorted sound or incorrect Audio Sound is heard when using the HDMI-DVI connections.

- Make sure that the Analog Audio signals from the HDMI-DVI device are connected to the Analog Audio Input L/R jacks.
- When using Component Analog Video, Composite Analog Video or PC VGA Video make sure that the Analog Audio (L/R) connectors are mounted into the Audio (L/R) Input jacks.

Sound poor, picture OK

- View other TV channels. The problem might be limited to the broadcasting station or weak signal strength.
- Check if the audio cable is connected incorrectly.

You switch to a different Input and the volume changes.

- This unit will memorize the volume level from the last time you adjusted it.
- If the volume of the sound from another device is higher or lower, then the loudness will change.
- Make sure Auto volume leveling is set to On.

## **Child and Rating Lock**

Forgotten PIN code.


- Enter "0711" to clear your password.

## **Screen**

You switch to a different Input and the screen size changes.

- This unit will memorize the viewing mode from the last time you used the particular input modes.

The display image does not cover the entire screen.

- If you are using the unit as a PC monitor, make sure that **Horizontal position** and **Vertical position** in **Picture** are set correctly.
- If you are watching TV or using the Composite Video, Component Video or HDMI with 480i Input, press  **FORMAT** repeatedly to switch various screen modes.

Different color marks on the TV screen.

- View other TV channels. The problem might be limited to the broadcasting station, missing data or pixelation.

## Captions

Captions are displayed as a white box. No caption is displayed in the closed caption-supported program.

- Interference from buildings or weather conditions may cause captioning to be incomplete if watching Analog TV (NTSC) signals.
- Broadcasting station may shorten the program to insert advertisements. The closed caption decoder cannot read the information of the shortened program.
- Captions that are delayed a few seconds behind the actual dialog are common for live broadcasts.

Most captioning production companies can display a dialog to maximum of 220 words per minute. If a dialog exceeds that rate, selective editing is used to insure that the captions remain up-to date with the current TV screen dialog.

Black box is displayed on the TV screen.

- The text mode is selected for caption. Select **CC-1**, **CC-2**, **CC-3**, or **CC-4**.

Software update

“Software update failed.” message appears when the unit is turned On.

The unit will not work correctly unless the software upgrade is completed. Try Recovery update.

## Network

Cannot connect to the network.

- Check if the Ethernet cable connection is properly made. Turn On the modem or broadband router.
- Check the network settings.

- Check if the broadband router and/or modem is correctly connected.

Sometimes video quality is poor when using the wireless LAN.

- The wireless network connection quality varies depending on the distance or obstacles (e.g. wall, basement, 2nd floor) between the TV Wireless LAN Adapter and the wireless router (access point), from other wireless networks, and brand and type of the wireless router (access point). When using the Wireless LAN of the TV, it is suggested to place the wireless router as close as possible to the Television.

Wireless LAN connection fails or wireless connection is poor.

- Check the installation location of the TV and wireless router (access point). Signal quality may be affected for the following reasons.
  - Interference of other wireless devices, microwaves, fluorescent lights, etc., are placed nearby.
  - There are floors or walls between the wireless router and TV.
  - If the problems continue even after checking the above, try making a wired LAN connection.

Cannot use the wireless connection.

- Check if the Wireless LAN Access Point (AP) (e.g. wireless router) is oriented properly or not placed too close between them.
- Once you have activated the wireless connection please wait 30 seconds for the connection to be established after Turning On the unit, before trying to access network features such as Net TV.

Cannot use Netflix feature.

- Netflix is available only in the United States and Canada.
- Check if the network connection is properly made.

Cannot use Hulu Plus feature.

- Hulu Plus is available only in the United States.
- Check if the network connection is properly made.

Cannot add movies or TV episodes to the Instant Queue.

Even though the speed of the Internet connection improves during playback, the picture quality of Netflix streaming movie does not improve.

- The picture quality does not change during playback. It differs depending on the speed of Internet connection at the time of loading.

Cannot use VUDU feature.

- VUDU is available only in the United States, Canada and Mexico.

- Check if the network connection is properly made. Cannot rent or buy movies / TV episodes on VUDU.
- You need to activate the VUDU account.

The picture quality of streaming movie (Netflix, Hulu Plus, Film Fresh or VUDU) is poor.

- Check the speed of your Internet connection. You need speeds of at least 8 Mbps to this player for high quality uninterrupted playback.

Streaming movie (Netflix, Hulu Plus, Film Fresh or VUDU) often stops or starts buffering during playback.

- Contact your Internet service provider to troubleshoot your Internet connection for speed and line quality. Consistent line quality and speed are very important for Internet video playback.

Cannot connect to the network while my PC is connected to the network.

- Check the content of your Internet service contract to see if your Internet Service Provider prevents multiple terminals connecting at the same time.

Cannot use Easy connect (WPS) to connect to the Access Point.

- Connect the unit to the Access Point using Scan or Manual entry mode. If the Access Point's security mode is set to WEP\*, change the setting to WPA or WPA2 (recommended), then try Easy connect (WPS) again. (For Access Point configuration, please consult its user manual or manufacturer.)

\* WEP is not recommended to be used due to its Major security flaws. Change the Security protocol on the wireless router to WPA or WPA2 (recommended) mode.

Folder or files stored on DLNA home media server are not displayed in the file list or cannot be played back.

- Check the setting on your home media server. (Refer to the user manual of the home media server.)
- Check the network connection and settings.

Cannot use Film Fresh feature.

- Film Fresh is available only in the United States.
- Check if the network connection is properly made.

Cannot use Pandora feature.

- Check if the network connection is properly made.
- Pandora is available only in the United States.
- You must create a Pandora account and activate this unit.

The audio of Internet radio station interrupted.

- vTuner server, station or the Internet connection is busy. The bit rate of the station is high.

Cannot play back Internet radio.

- Check if the network connection is properly made.
- Check the firewall setting of the modem or router.
- For some stations, playback is not available on this unit.

The quality of the Internet radio audio is poor or noise occurs during playback of Internet station.

- The bit rate of the station is low.

Cannot get into the PC's screen even the Philips Wirelessconnect is launched.

- Make sure if the network connection is connected properly.
- Check if your PC runs Philips Wirelessconnect.
- Make sure your TV and PC are connected on the same network.

I have a 1.8GHz CPU but Wirelessconnect does not work on my PC.

- For smooth operation of your PC while Philips Wirelessconnect is running you need a mainstream dual core processor from Intel® or AMD. Intel® : Core™2 Duo or Core™ i3/5/7 @ 1.8GHz or higher. AMD : Athlon™ II X2, Turion™ II Dual-Core or Phenom™ X2 @ 2GHz or higher.

## Note

- The LCD screen is manufactured to provide many years of useful life. Occasionally a few non active pixels may appear as a fixed point of blue, green or red. This is not to be considered a defect in the LCD screen.
- Some functions are not available in specific modes, but this is not a malfunction. Read the description in this User Manual for more details on correct operations.

## Maintenance

### Cabinet Cleaning

- Wipe the front panel and other exterior surfaces of the unit with a soft cloth.
- Never use a solvent or alcohol. Do not spray insecticide liquid near the unit. Such chemicals may cause damage and discoloration to the exposed surfaces.

### Panel Cleaning

Wipe the panel of the unit with a soft cloth. Before cleaning the panel, disconnect the AC power cord.

## Servicing

Should your unit become inoperative, do not try to correct the problem yourself. There are no user serviceable parts inside. Call our toll free customer support line found on the cover of this User Manual to locate an authorized service center

## IR Signal Check

If the remote control is not working properly, you can use a Digital camera (including a cellular phone with built-in camera) to see if it is sending out an infrared signal.

With a Digital camera (including built-in cell phone cameras): Point the Digital Camera towards the remote control infrared diode at the front of the remote control. Press any button on the remote control and look through the camera display. If the infrared pulsating light appears through the camera, the remote control is sending out an IR signal.



### Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.