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40PFL4709C  
32PFL4509C



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EN User Manual

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ES Manual del Usuario

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**EN** For further assistance, call the customer support service in your country.

- To obtain assistance, contact Philips Customer Care Center;  
Colombia: 01 800 952 0640  
Panamá: 800 052 1372

**ES** Para obtener más información, llame al servicio de soporte al cliente de su país.

- Para obtener asistencia, póngase en contacto con el CENTRO DE INFORMACION AL CLIENTE,  
Colombia: 01 800 952 0640  
Panamá: 800 052 1372

**PHILIPS**

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## Know these **safety** symbols



The caution marking is located on the rear or bottom of the cabinet.



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 apparatus's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



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

**WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

**CAUTION:** To prevent electric shock, match wide blade of plug to wide slot, fully insert.

**ATTENTION:** Pour éviter les choc électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

# PHILIPS

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## CHILD SAFETY: PROPER TELEVISION PLACEMENT MATTERS

### THE CONSUMER ELECTRONICS INDUSTRY CARES

- Manufacturers, retailers and the rest of the consumer electronics industry are committed to making home entertainment safe and enjoyable.
- As you enjoy your television, please note that all televisions – new and old- must be supported on proper stands or installed according to the manufacturer's recommendations. Televisions that are inappropriately situated on dressers, bookcases, shelves, desks, speakers, chests, carts, etc., may fall over, resulting in injury.

### TUNE IN TO SAFETY

- **ALWAYS** follow the manufacturer's recommendations for the safe installation of your television.
- **ALWAYS** read and follow all instructions for proper use of your television.
- **NEVER** allow children to climb on or play on the television or the furniture on which the television is placed.
- **NEVER** place the television on furniture that can easily be used as steps, such as a chest of drawers.
- **ALWAYS** install the television where it cannot be pushed, pulled over or knocked down.
- **ALWAYS** route cords and cables connected to the television so that they cannot be tripped over, pulled or grabbed.

### WALL OR CEILING MOUNT YOUR TELEVISION

- **ALWAYS** contact your retailer about professional installation if you have any doubts about your ability to safely mount your television.
- **ALWAYS** use a mount that has been recommended by the television manufacturer and has a safety certification by an independent laboratory (such as UL, CSA, ETL).
- **ALWAYS** follow all instructions supplied by the television and mount manufacturers.
- **ALWAYS** make sure that the wall or ceiling where you are mounting the television is appropriate. Some mounts are not designed to be mounted to walls and ceilings with steel studs or cinder block construction. If you are unsure, contact a professional installer.
- Televisions can be heavy. A minimum of two people is required for a wall or ceiling mount installation.

### MOVING AN OLDER TELEVISION TO A NEW PLACE IN YOUR HOME

- Many new television buyers move their older CRT televisions into a secondary room after the purchase of a flat-panel television. Special care should be made in the placement of older CRT televisions.
- **ALWAYS** place your older CRT television on furniture that is sturdy and appropriate for its size and weight.
- **NEVER** place your older CRT television on a dresser where children may be tempted to use the drawers to climb.
- **ALWAYS** make sure your older CRT television does not hang over the edge of your furniture.

[CE.org/safety](http://CE.org/safety)



# Important Safety Instructions

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

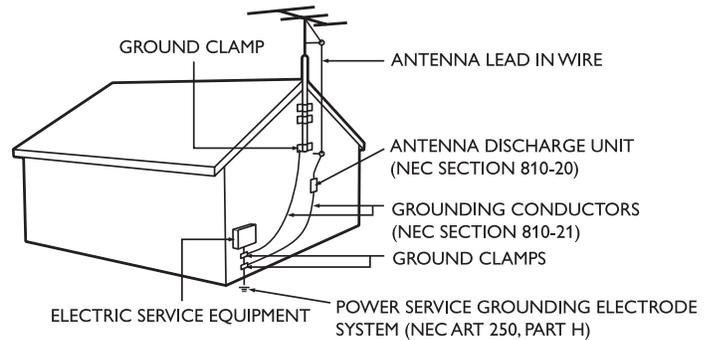


13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

### Note to the CATV system installer:

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

### Example of Antenna Grounding as per NEC - National Electric Code



### Wall Mount Bracket Kit

	Brand	Model #	Screw dimension
40PFL4709C	SANUS	SAN25BB	M4 x 0.472" (12mm)
32PFL4509C		SAN18B	

- The recommended Wall Mount Bracket Kit (sold separately) allows the mounting of the TV on the wall.
- For detailed information on installing the wall mount, refer to the Wall Mount Instruction Book.
- P&F Mexicana is not responsible for any damage to the product or injury to yourself or others if you elect to install the TV Wall Mount Bracket or mount the TV onto the Bracket on your own.
- The Wall Mount Bracket must be installed by experts.

### P&F Mexicana is not liable for these types of accidents or injury noted below.

- Install the Wall Mount Bracket on a sturdy vertical wall.
- If installed onto a ceiling or slanted wall, the TV and Wall Mount Bracket may fall which could result in a severe injury.
- Do not use screws that are longer or shorter than their specified length. If screws too long are used this may cause mechanical or electrical damage inside the TV set. If screws too short are used this may cause the TV set to fall.
- Do not fasten the screws by excessive force. This may damage the product or cause the product to fall, leading to an injury.
- For safety reasons use 2 people to mount the TV onto a Wall Mounting Bracket.
- Do not mount the TV onto the Wall Mounting Bracket while your TV is plugged in or Turned On. It may result in an electrical shock injury.

### When installing the unit on the wall, allow this much space.

Top:	11.8 inches (30cm)
Left and right side:	5.9 inches (15cm)
Bottom:	3.9 inches (10cm)

# 1 Notice

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The material in this manual is believed adequate for the intended use of the system. If the product or its individual modules or procedures are used for purposes other than those specified herein, confirmation of their validity and suitability must be obtained. P&F Mexicana warrants that the material itself does not infringe any United States patents. No further warranty is expressed or implied.

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## Warranty

No components are user serviceable. Do not open or remove covers to the inside of the product. Repairs may only be done by Service Centers and official repair shops. Failure to do so shall void any warranty, stated or implied.

Any operation expressly prohibited in this manual, any adjustments or assembly procedures not recommended or authorized in this manual shall void the warranty.

## Pixel characteristics

This LCD product has a high number of color pixels. Although it has effective pixels of 99.999% or more, black dots or bright points of light (red, green or blue) may appear constantly on the screen. This is a structural property of the display (within common industry standards) and is not a malfunction.

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LED backlighting technology uses less energy when compared with a standard CCFL backlighting LCD television of the same screen size. Actual energy savings will vary depending on the screen size.

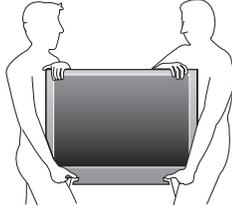
Portions of this software are copyright © The FreeType Project ([www.freetype.org](http://www.freetype.org)).

The American Academy of Pediatrics discourages television viewing for children younger than two years of age.

## 2 Important

### Positioning the TV

- Large screen TVs are heavy. 2 people are required to carry and handle a large screen TV.
- Make sure to hold the upper and bottom frames of the Unit firmly as illustrated.
- Install the Unit in a horizontal and stable position.
- Do not install the Unit in direct sunlight or in a place subject to dust or strong vibration.
- Slots and openings in the cabinet and the sides or bottom are provided for ventilation. To ensure reliable operation and to protect the unit from overheating, these openings must not be blocked or covered. Avoid installation in enclosed spaces such as bookcases unless proper ventilation is provided.
- Depending on the environment, the temperature of this Unit may increase slightly. This is not a malfunction.
- Avoid a place with drastic temperature changes.
- Do not place anything directly on top or bottom of the Unit.
- Do not place any combustible objects on the Unit. (candles, etc.)
- Depending on your external devices, noise or disturbance of the picture and / or sound may be generated if the Unit is placed too close to them. In this case, please ensure enough space between the external devices and the Unit.
- Do not insert the AC power cord into the power socket outlet before all the connections are made.
- Ensure that you always have easy access to the AC power cord or plug to disconnect the TV from the power.
- Before you move the TV, disconnect attached cables to prevent damage to connectors.
- Be sure to unplug the AC power cord from the AC outlet before moving or carrying the Unit.

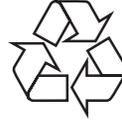


**CAUTION:** Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

**WARNING:** Batteries (battery pack or battery installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

**WARNING:** To prevent injury, this apparatus must be securely attached to the furniture / wall in accordance with the instructions. Tipping, shaking, or rocking the unit may cause injury / death.

### Environmental care



The packaging of this product is intended to be recycled.

Contact your local authorities for information about how to recycle the packaging.

For product recycling information, please visit - [www.recycle.philips.com](http://www.recycle.philips.com)

### End of life directives

Philips pays a lot of attention to produce environmental-friendly products in green focal areas. Your new TV contains materials which can be recycled and reused. At the end of its life, specialized companies can dismantle the discarded TV to concentrate the reusable materials and to minimize the amount of materials to be disposed of. Please ensure you dispose of your old TV according to local regulations.

### Disposal of Used Batteries

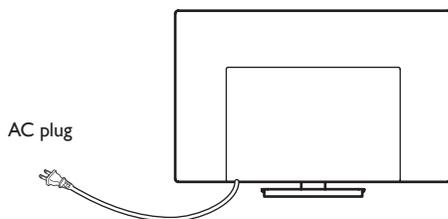
The Batteries supplied do not contain the heavy metals mercury and cadmium. Nevertheless, in many areas Batteries may not be disposed of with your household waste. Please ensure you dispose of Batteries according to local Regulations.

### Regulatory notices

Do not place the Unit on the furniture that is capable of being tilted by a child and an adult leaning, pulling, standing or climbing on it. A falling Unit can cause serious injury or even death.

This apparatus should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided. Make sure to leave a space of 4 inches (10cm) or more around this apparatus.

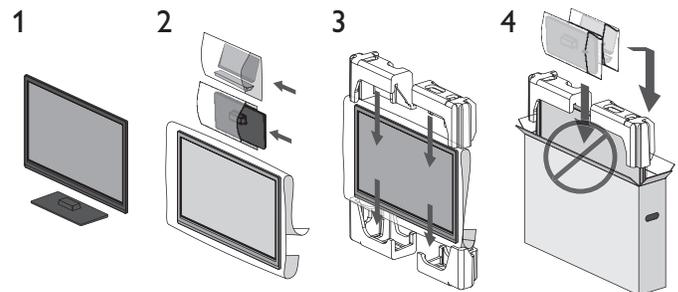
Press  to turn the Unit on and go into standby mode. To completely turn off the Unit, you must unplug the AC power cord. Disconnect the AC plug to shut the Unit off when trouble is found or not in use. The AC plug shall remain readily available.



Never use a gas duster on this TV.  
The gas trapped inside of this Unit may cause ignition and explosion.

### Preparing to Move/Ship Unit

Please pack the Unit properly by following the Diagram on the Carton.



ⓘ To avoid damage to the Screen, do not pack the stand on the same side as the TV screen.

## 3 Get started

### Features

- **DTV/ATV/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.
- **Automatic Channel Installation**  
This unit automatically scans and memorizes channels available in your area, eliminating difficult setup procedures.
- **Child lock**  
This feature allows you to block children's access to inappropriate 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.
- **Stereo sound function**
- **PLL frequency synthesized tuning**  
Provides free and easy channel selection and lets you tune directly to any channel using the number 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, music and video files stored on a USB Memory Stick can be played back on this unit.
- **Digital Audio Output**
- **Headphone Audio Output**
- **Program Guide**  
You can display a list of the digital TV programs.

### Supplied Accessories

User Manual



Quick Start guide



Remote Control and Batteries (AAA, 1.5V x 2)



TV base and Screws



Screws packed with this unit:

Model	Quantity	Size
40PFL4709C	3	M4 x 0.787" (20mm)
	2	M4 x 0.393" (10mm)
32PFL4509C	3	M4 x 0.984" (25mm)



#### Note(s)

- If you lose the Screws, please purchase the above-mentioned Phillips head Screws at your local store.
- If you need to replace these accessories, please refer to the part name or No. with the illustrations and call our toll free customer support line found on the cover of this User Manual.

When using a universal Remote Control to operate this unit.

- Make sure the component code on your universal Remote Control is set to our brand. Refer to the instruction book accompanying your Remote Control for more details.
- We do not guarantee 100% interoperability with all universal Remote Controls.

### Symbols used in this User Manual

The following is the description for the symbols used in this User Manual. Description refers to:

**Digital TV operation**

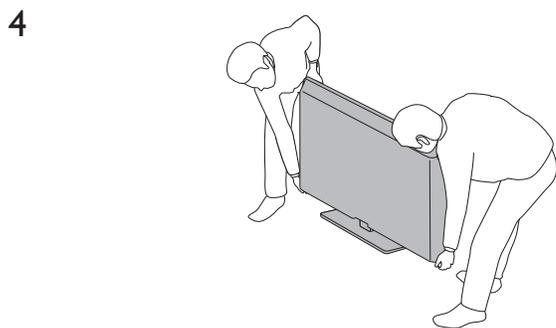
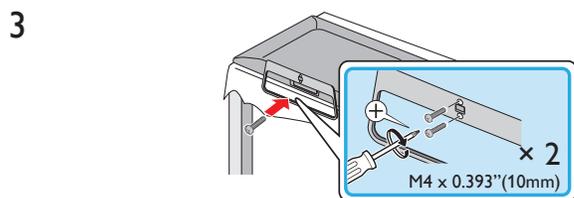
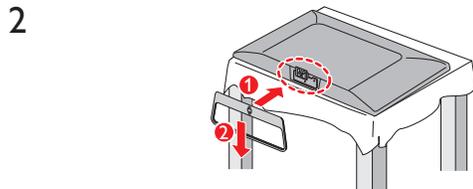
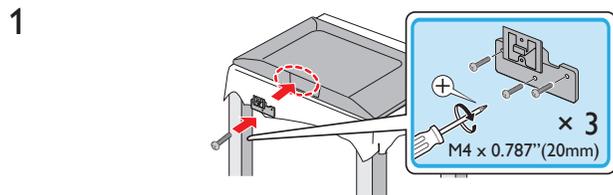
**Analog/Cable TV operation**

- If neither symbol appears, the operation is applicable to both.

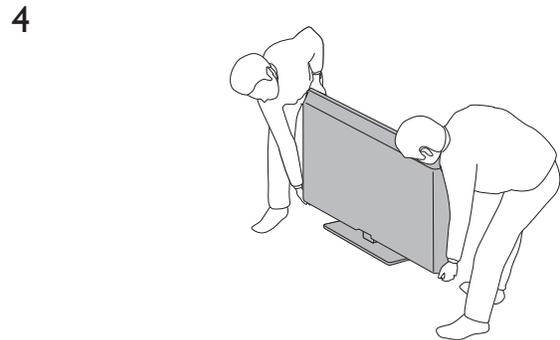
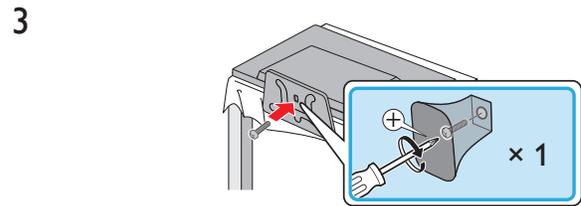
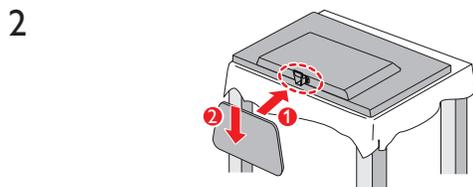
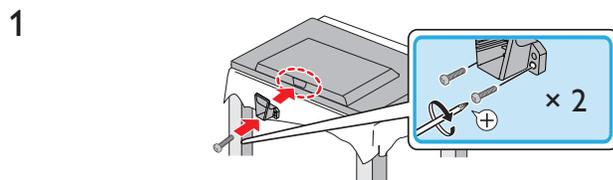
## Attaching the Base

You must attach the base to the unit to have it as a table top unit. Be sure the front and rear of the base match the proper direction. For large screen TVs, at least 2 people are required for these steps.

### 40PFL4709C



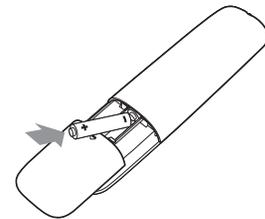
### 32PFL4509C



### Note(s)

- Make sure to use a table which can support the weight of this unit and is larger than this unit.
- Make sure the table is in a stable location.
- When attaching the base, ensure that all Screws are tightly fastened. If the base is not properly attached, it could cause the unit to fall, resulting in injuries as well as damage to the unit.
- To remove the base from this unit, unscrew the Phillips head Screws by the reverse procedure. Be careful not to drop the base when you remove it.

## Installing the Remote Control Batteries

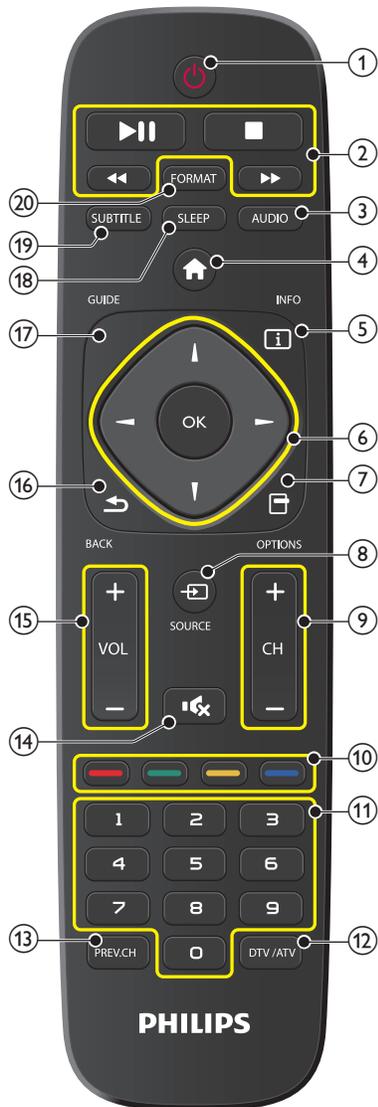


- 1 Slide the battery cover off the back of the Remote Control.
- 2 Insert the 2 supplied Batteries (AAA, 1.5V). Be sure the + and - ends of the Batteries line up with the markings inside the case.
- 3 Slide the cover back into position.

### Note(s)

- Remove the Batteries if not using the Remote Control for an extended period of time.

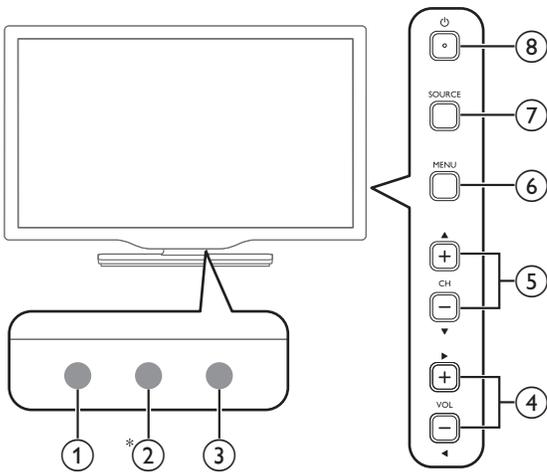
## Remote Control function



- ① **⏻ (POWER)**  
Turns the TV On from Standby or Off to Standby.
  - ② **EasyLink(HDMI CEC) buttons**  
 ◀▶▶ Searches Backward or Forward through the Disc.  
 ▶▶ Starts, pauses or resume playback.  
 ■ Stops the Disc Playback.
- Note(s)**

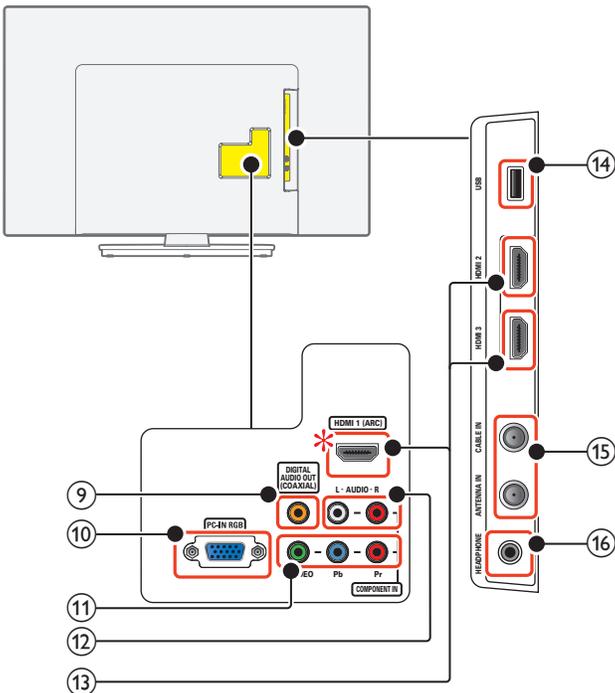
  - Pause may not work properly on some devices even if they are complied with EasyLink (HDMI CEC)
- ③ **AUDIO**  
Selects Audio mode (MONO / STEREO / SAP) / Audio language.
  - ④ **🏠 (MENU)**  
Opens the Main On-screen Menu.
  - ⑤ **ℹ INFO**  
Displays Information about the current program.
  - ⑥ **▲▼◀▶ (NAVIGATION buttons) / OK**  
Moves the cursor; Selects the On-screen Menu items.
  - ⑦ **☰ OPTIONS**  
Opens the options menu.
  - ⑧ **📺 SOURCE**  
Selects Connected Devices.
  - ⑨ **CH +/-**  
Selects a Channel.
  - ⑩ **COLOR buttons**  
Uses these Keys according to the directions On-screen.
  - ⑪ **0-9 (NUMBER buttons)**  
Used to enter a Channel / Program number.
  - ⑫ **DTV/ATV**  
Selects signal types.
  - ⑬ **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 **GUIDE**  
Accesses the TV guide.
  - ⑱ **SLEEP**  
Sets the Sleep Timer.
  - ⑲ **SUBTITLE**  
Displays the Audio portion of programming as text superimposed over the video.
  - ⑳ **FORMAT**  
Adjusts the Picture size on the TV screen.

## Control Panel



- ① **Remote Control Sensor**  
Receives IR Signal from Remote Control.
- ② **Ambient Light Sensor (\* 40PFL4709C only)**  
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.
- ③ **Power On / Standby Indicator**  
(On : lights in white, Standby : no light)
- ④ **VOL ◀/▶**  
Adjusts the Volume.  
VOL ◀ : Volume Down  
VOL ▶ : Volume Up  
In the Menu screen, moves the Cursor Left (◀) / Right (▶).
- ⑤ **CH ▲/▼**  
Selects a Channel in the Memorized Channel Ring (Low to High or High to Low). In the Menu screen, moves the Cursor Up (▲) / Down (▼).
- ⑥ **MENU**  
Opens the Main On-screen Menu.
- ⑦ **SOURCE**  
Selects Connected Devices.
- ⑧ **⏻(POWER)**  
Turns the TV On and Off (Standby mode).

## Terminals



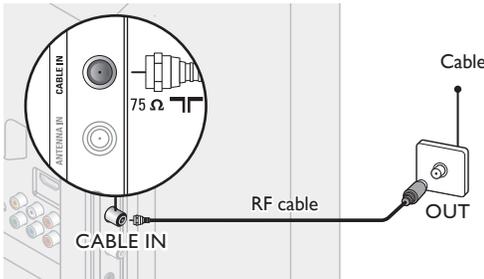
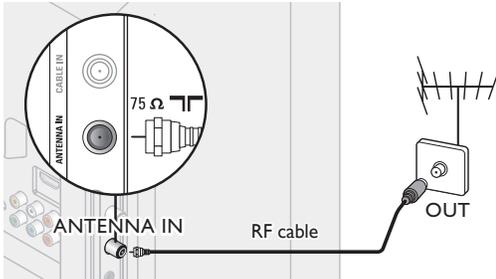
- ⑨ **Digital Audio Output jack**  
Digital Audio (S/PDIF) Output to Home Theaters and other Digital Audio systems.
- ⑩ **PC Input jack**  
VGA cable Connection for PC.
- ⑪ **Component (Y/Pb/Pr) / Composite Video (VIDEO) Input jacks for VIDEO**  
Composite Video Input (VIDEO) jack is a shared jack with Component Video Input (Y) jack.
- ⑫ **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
- ⑬ **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 and 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.
- ⑭ **USB Terminal**  
Data Input from USB Memory Stick only.  
Do Not Connect any Device to this terminal such as; Digital Camera, Keyboard, Mouse, etc.
- ⑮ **75 ohm Cable / Antenna Connection**  
Signal Input from an Antenna or Cable / Satellite Set-top Boxes.
- ⑯ **Headphone Audio Output jack**  
Headphone 3.5mm Stereo jack for personal listening.

## Connecting the Antenna, Cable or Satellite

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

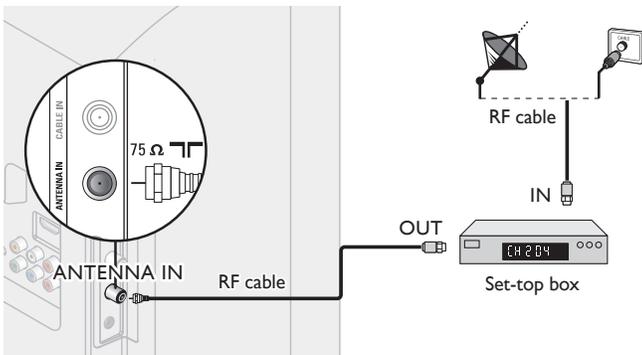
### If connecting to an Antenna through an RF cable

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



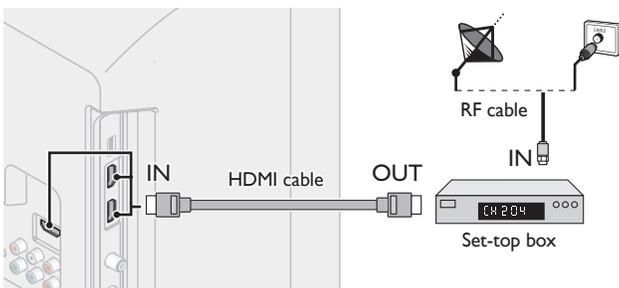
### If connecting Set-top Box through an RF cable

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



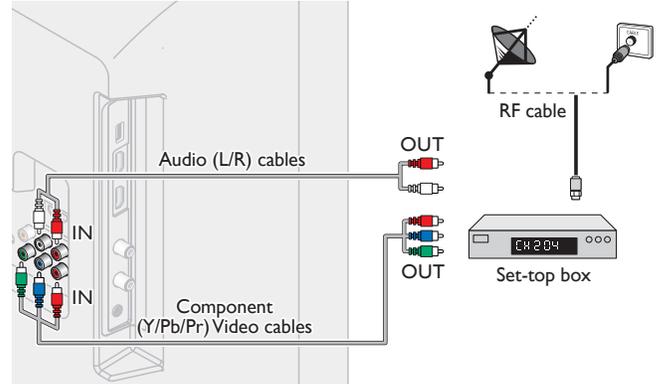
### If connecting Set-top Box through an HDMI cable

If the TV is connected to a cable or satellite set-top box via an HDMI cable, make sure you select the correct source by using **SOURCE** key on TV or **SOURCE** key on Remote Control.



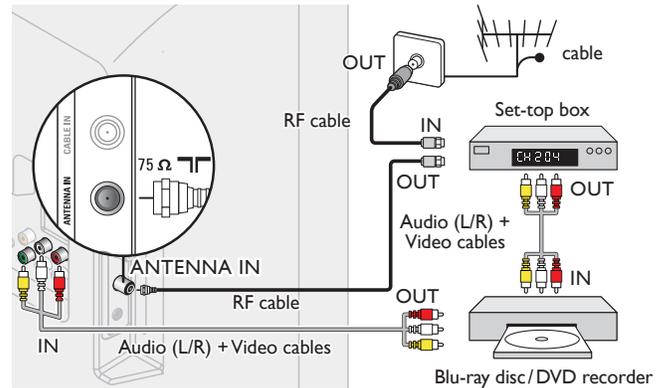
### If connecting Set-top Box through Component Video Input

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



### 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(s)

- If you have any question about the DTV's antenna, visit [www.antennaweb.org](http://www.antennaweb.org) for further information.
- 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 (2GHz).
- For your safety and to avoid damage to this unit, please unplug the RF coaxial cable from the antenna/cable 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.

## 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 or electrical shocks.

#### Note(s)

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

*Continued on next page.*

**No supplied cables are used with these connections:**

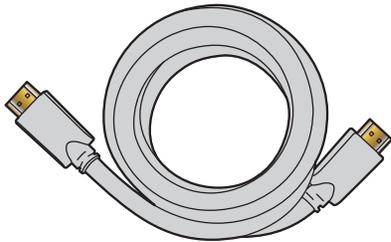
- Please purchase the necessary cables at your local store.

### 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

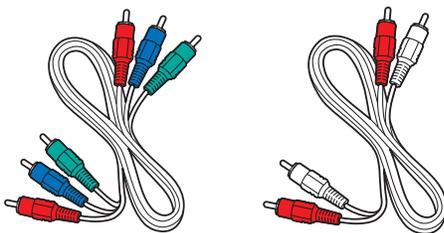


Supports high-definition Digital signals and gives highest picture and sound quality. Video and Audio signals are combined in one cable. You must use HDMI for full high-definition video and to enable EasyLink (HDMI CEC).

#### Note(s)

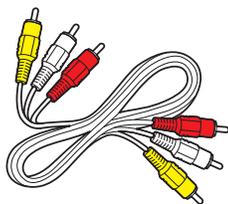
- Philips HDMI supports HDCP (High-bandwidth Digital Contents Protection). HDCP is a form of Digital Rights Management that protects high-definition content in Blu-ray discs or DVDs.
- The HDMI-ARC connector on the TV features HDMI-ARC functionality. This allows output of TV Audio to an HDMI-ARC-compliant 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

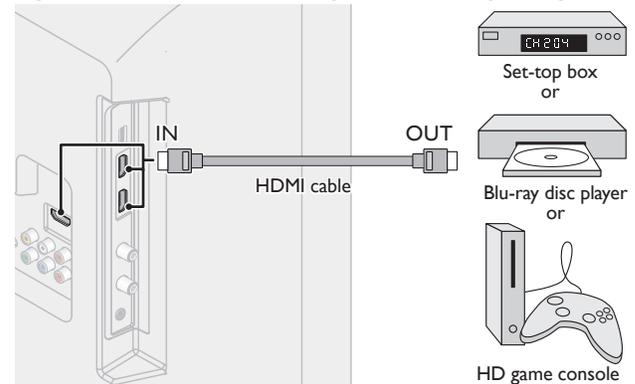


For Analog connections. Composite Video/Audio Analog cable usually combine a Yellow video cable with Red/White Audio (L/R) cables. With this unit, Yellow cable must be connected to Y (Green) of Component Video Input jacks.

## Connecting your Devices

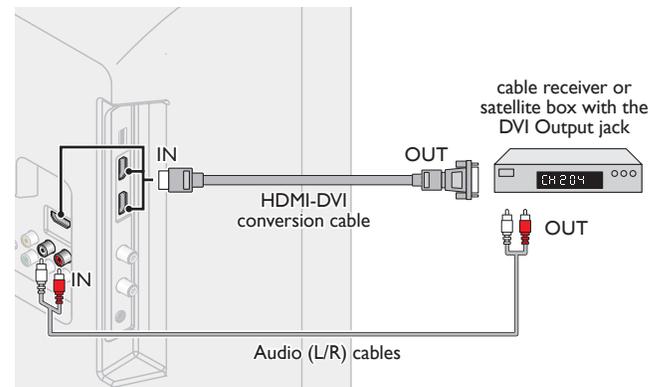
### HDMI Digital Connection

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.

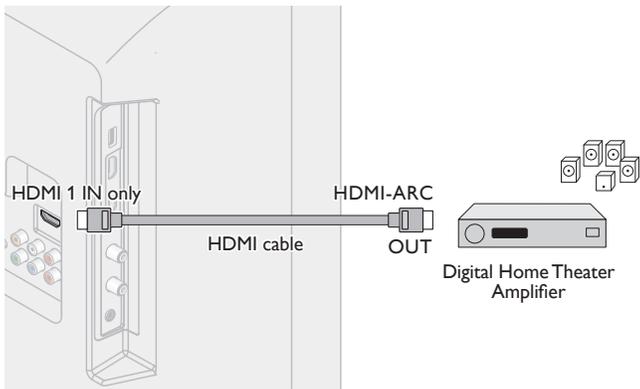


#### Note(s)

- 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 and Dolby Digital) 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.



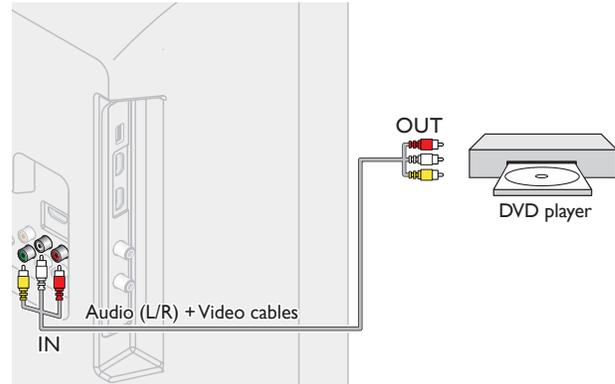
### Note(s)

- 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.

## 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.



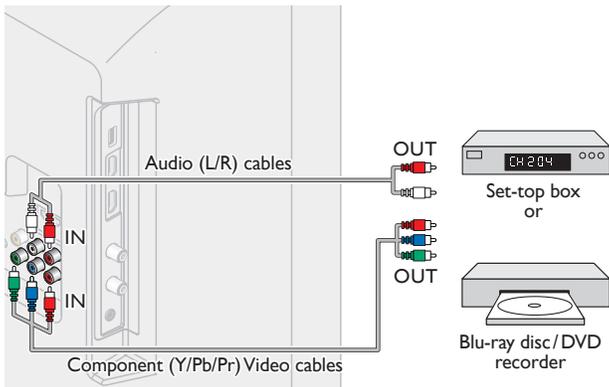
### Note(s)

- With this unit, Yellow cable must be connected to Y (Green) 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 unstable picture.

## 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.

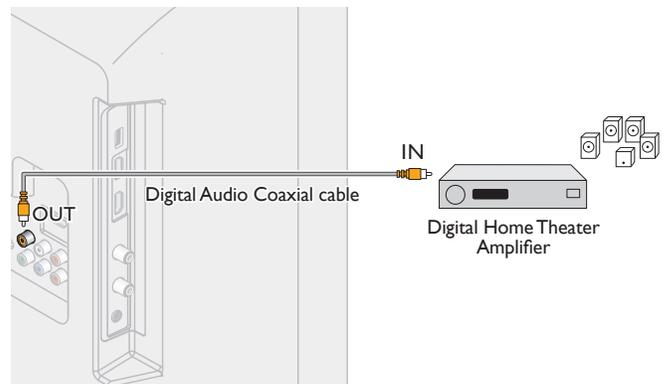


### Note(s)

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

## Digital Audio Output Connection

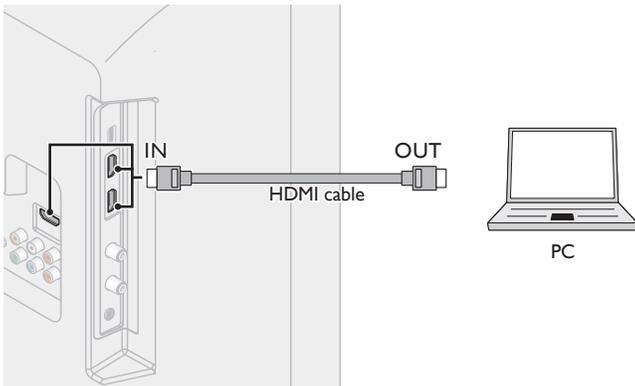
If you connect this unit to an external Digital Audio device, you can enjoy multi-channel Audio like 5.1ch Digital broadcasting sound. Use a Digital Audio Coaxial cable to connect the unit to external Digital Audio devices.



## PC Connection

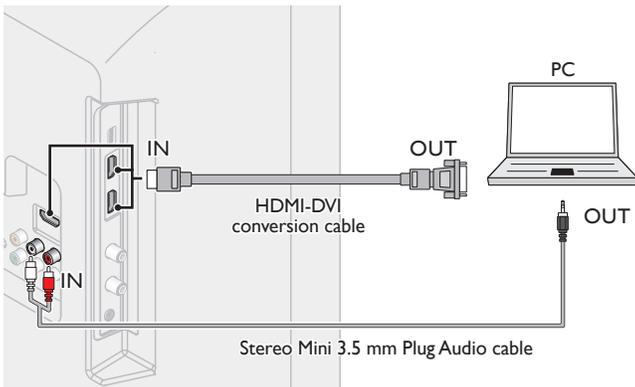
### HDMI Connection

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



### HDMI-DVI Connection

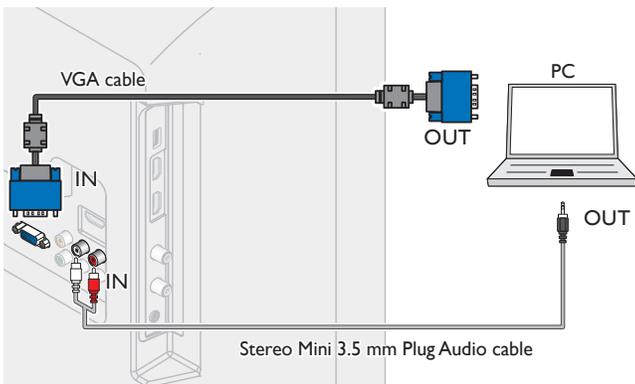
This unit can be connected to your PC that has a DVI terminal. Use an HDMI-DVI conversion cable for this Video Digital connection and it requires Stereo mini 3.5mm plug Audio cable for Analog Audio signal as well.



### 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 × 480	60Hz
SVGA	800 × 600	
XGA	1024 × 768	
WXGA	1280 × 768	
	1360 × 768	
FHD *	1920 × 1080	

Other formats or non-standard signals will not be displayed correctly.

\* 40PFL4709C only.

### Note(s)

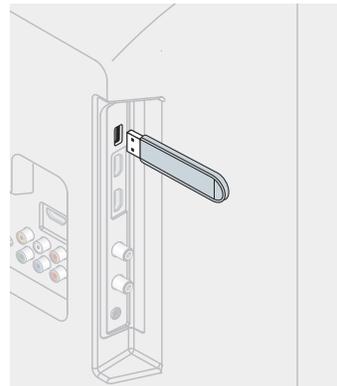
- Please purchase the VGA cable or HDMI-DVI conversion cable that has a ferrite core.
- The following operations may reduce noise.
  - Attach a ferrite core to the AC power cord of your PC.
  - Unplug the AC power cord and use the built-in battery of your PC.
- Use an HDMI cable with the HDMI logo (a 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, music and video files.

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

USB  p.22



### 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).

*These operations are accessible by Remote Control.  
Some may also be accessible by control panel on the main unit.*

## 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 channel installation.

### Before you begin:

Make sure the unit is connected to antenna or cable.

- 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.
- 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.
- Use **▲▼** to select the signal type.
  - If the TV is connected to a cable box or satellite set-top box, select **Set-top box** and skip to step 5.

Select "Antenna" to set up a TV signal from a cable TV wall jack or a standard TV antenna.

Antenna  
Set-top box

Select "Set-top box" to set up a TV signal from a cable TV box or satellite TV receiver.

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

Make sure that you have attached your antenna or cable signal into the jack on the back of your TV labeled "ANTENNA IN".

Both  
Antenna  
Cable  
Skip

Now select either Antenna or Cable, using the Up/Down buttons of the remote control. Once you have made your selection, press the OK button to proceed.

- 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 Analog TV and Cable channels available in your area.
- When **Both** is selected, the TV detects signals supplied by both antenna and cable.
- Channel search will begin.

System searching. Please wait...

Auto programming may take more than 20 minutes to complete. Digital channels will take longer than Analog to find and program. Please wait until you see the Auto Programming complete message.

Digital channels: 0  
Analog (Air) channels: 0  
Analog (Cable) channels: 0  
Total progress: \_\_\_\_\_  
Step 1: \_\_\_\_\_

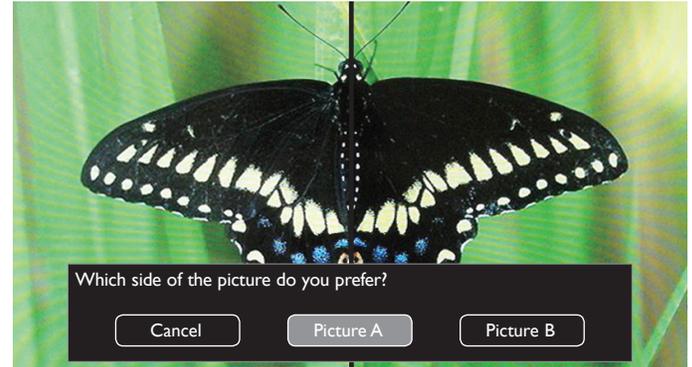
- After the channel installation is completed, Settings assistant start screen will appear. Use **◀▶** to select **Start**, then press **OK** to begin Settings assistant.

Settings assistant will allow you to customize your picture settings to your personal preference. You will see a series of test pictures where the right side and left side differ. Select the side that is most pleasing to you with the Left/ Right buttons.

Skip

Start

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



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

Select the energy efficiency level you prefer.

Personal

Energy saving

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

Select your preferred sound setting.

Sound A

Sound B

Sound C

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

Store your preferences.

Cancel

Store

- Select **Finish** to complete the Initial Setup.

### Note(s)

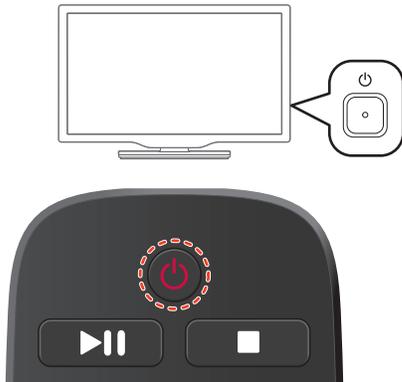
- If you are not receiving a signal from your cable service, contact the Cable provider.
- If you press **⏻** or **OK** during channel installation, this setup of TV channels will be canceled.
- The initial channel installation function can be executed for either **Antenna** or **Cable** only once. When you change the connection (Antenna/Cable), try **Reinstall channels**. **▶▶▶ p.31**

### After an initial setup is completed...

- If you want to scan the channels automatically again. **Reinstall channels** **▶▶▶ p.31**
- If you want to change to another language. **Language** **▶▶▶ p.28**
- If you want to change the location setting. **Setting your location to home** **▶▶▶ p.29**
- If you want to restore the picture and sound setting. **Picture and sound setup** **▶▶▶ p.25**

## 4 Use your TV

### Switching on your TV and putting it in Standby mode



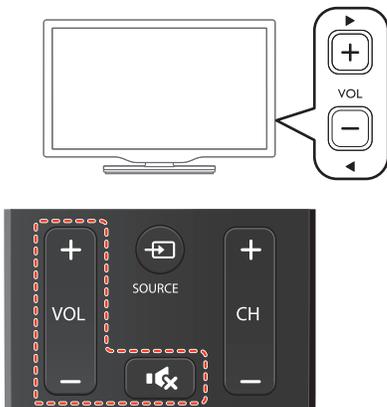
#### To Turn the TV On from Standby or Off to Standby

- Press on the side panel or the Remote Control.

#### Note(s)

- Energy consumption contributes to air and water pollution. When the AC power cord is plugged in, your TV consumes energy. Your TV has very low Standby power consumption.

### Adjusting Volume



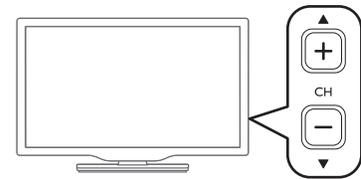
#### To decrease or increase Volume

- Press **VOL +/-** on the Remote Control or **VOL </>** on the side panel.  
**VOL ◀ (-)** :Volume Down  
**VOL ▶ (+)** :Volume Up

#### To mute or unmute sound

- Press (**MUTE**) on the Remote Control to mute the sound.
- Press (**MUTE**) again or **VOL +/-** to recover the original sound.

### Switching Channels



#### To select Channels by using CH +/- or CH ▲/▼

- Press **CH ▲/▼** on the side panel or press **CH +/-** on the Remote Control.

#### To select Channels by using the NUMBER buttons

–When selecting the channel 123



Press (**PREV.CH**) to return to the previously viewed channel.

#### To change broadcast signals

- Press **DTV/ATV** on the Remote Control while watching a program.

#### Note(s)

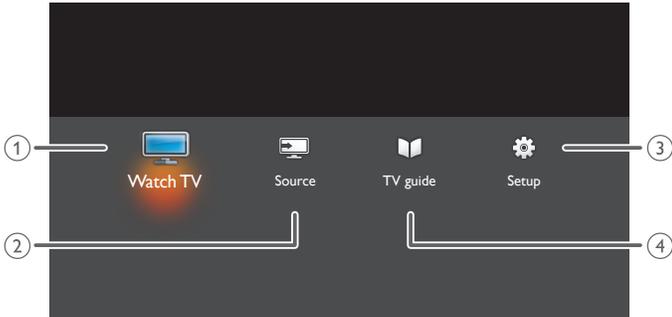
- To select the non-memorized channels, use the **NUMBER** buttons.
- **Channel not available** or **No Signal** will appear on the TV screen after the subchannel broadcast is over.
- **Audio only** message will appear on the TV screen, when you receive only sound signal.

## Access the Home menu

- 1 Press .



## Guide to Home menu



- ① **Watch TV** : Switches back to the TV source if another source is selected.
- ② **Source** : To select connected devices.
- ③ **Setup** : Accesses menus that allow you to change picture, sound and other settings.
- ④ **TV guide** : Accesses TV guide.

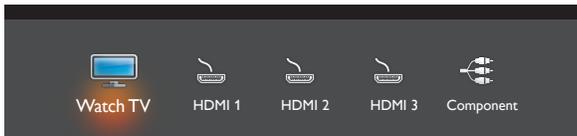
## Watching Channels from an External Device

Switching Each Input Mode can easily switch with the Remote Control between TV and external devices when they are connected to the unit.

- 1 Turn On a set-top box or the connected device.



- 2 Press  **SOURCE** and use   to select the Set-top Box or connected device and wait a few seconds till the picture appears.



- 3 Use the Remote Control of the set-top box or the connected device to select channels.

## Lock your device

You can lock specified device.

*Before you begin:*

You need to set a pin code. **Child Lock**  p.32

- 1 Press  **SOURCE** on the Remote Control.
- 2 Use   to select a device to lock.
- 3 Press  **OPTIONS** on the Remote Control.
- 4 Use   to select **Lock**, then press **OK**.
- 5 Enter your PIN.

*To unlock the device*

- Select **Unlock** at step 4, then press **OK**.

## Changing device type

You can change device icons displayed in the source list.

- 1 Press  **SOURCE** on the Remote Control.
- 2 Use   to select the desired device.
- 3 Press **red** button on the Remote Control.
- 4 Use   to select the desired type, then press **OK**.

*To reset the type*

- Press  **OPTIONS** on the Remote Control at step 3, then select **Original** icon.

## Scan connections

You can rescan TV connections and update the source list.

*Before you begin:*

You must set **On** in **Master EasyLink**.  p.30

- 1 Press  **SOURCE** on the Remote Control.
- 2 Use   to move the cursor to any device.
- 3 Press  **OPTIONS** on the Remote Control.
- 4 Use   to select **Scan connections**, then press **OK**.

## Create a list of favorite channels

You can create lists of your preferred TV channels so that you can find those channels easily.

- 1 Press **OK** while viewing a TV program.
- 2 Use **◀▶** to select **Digital**, **Analog (Air)** or **Cable**, then press **OK**.
- 3 Use **▲▼◀▶** to select the desired channel, then press **yellow** button.
  - The channel will be marked with **◆** icon

## Display the list of favorite channels

- 1 Press **OK** while viewing a TV program.
- 2 Use **◀▶** to select **Favorites**.

*To remove a channel from the favorite list*

- Select the desired channel, then press **yellow** button.

*To reorder channels in the favorite list*

- 1 Select the desired channel, then press **green** button.
- 2 Use **▲▼◀▶** to move the channel to the desired location, then press **OK**.

## Sleep Timer

Sleep Timer can set the unit to go into Standby mode after an incremental period of time.



Press **SLEEP** repeatedly to change the amount of time (increases the time by 5 minutes up to 180 minutes).

- Each press of **▼** will decrease the time by 5 minutes.
- To cancel sleep timer, press **SLEEP** or **▼** repeatedly until "0" is displayed.

## Subtitles

### Digital TV operation

You can choose the subtitle display setting.



- 1 Press **SUBTITLE** while watching digital TV.
- 2 Use **▲▼** to select **Subtitles off**, **Subtitles on** or **Automatic**, then press **OK**.

<b>Subtitles off</b>	not to display the subtitle
<b>Subtitles on</b>	to display the subtitle
<b>Automatic</b>	to display the subtitle when you set to mute

## Changing Picture Format

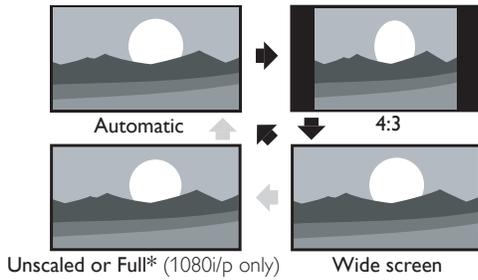
Display modes can be selected when your TV receives a 16:9 or 4:3 video signal.

Three types of display modes can be selected for a PC Input signal.

Press **FORMAT** and use **▲▼** to switch the TV aspect ratio.



### For 16:9 video signal

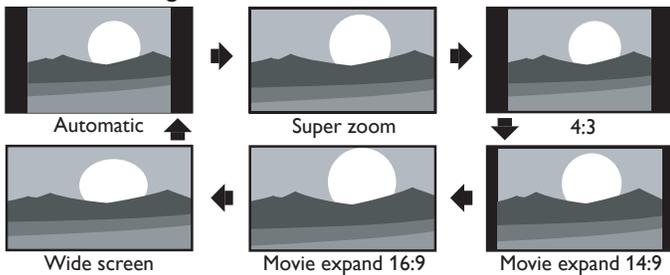


<b>Automatic</b>	Other than DTV and HDMI connected devices, enlarges the picture to best fit the screen. DTV and HDMI connected devices display the picture at its original size. The subtitles may remain visible.
<b>4:3</b>	Displays a 16:9 picture at a 4:3 size; the picture is shortened horizontally. Sidebars appear on both edges of the screen.
<b>Wide screen</b>	Displays a 16:9 picture that is stretched horizontally and vertically.
<b>Unscaled or Full* (1080i/p only)</b>	Displays a 16:9 picture at its original size.

\*This part differs depending on the product you have.

- **Unscaled** for 40PFL4709C.
- **Full** for 32PFL4509C.

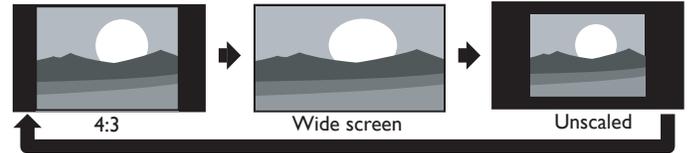
### For 4:3 video signal



<b>Automatic</b>	Other than DTV and HDMI connected devices, enlarges the picture to best fit the screen. DTV and HDMI connected devices display the picture at its original size. The subtitles may remain visible.
<b>Super zoom</b>	Displays a 4:3 picture at a 16:9 size; the picture is stretched horizontally and vertically and its left and right edges are enlarged. This crops out the top and bottom of the picture.
<b>4:3</b>	Displays a 4:3 picture at its original size. Sidebars appear on both edges of the screen.

<b>Movie expand 14:9</b>	Displays a 4:3 picture at a 14:9 size; the picture is stretched horizontally and vertically. This crops out the top and bottom of the picture. Sidebars appear on both edges of the screen.
<b>Movie expand 16:9</b>	Displays a 4:3 picture at a 16:9 size; the picture is stretched horizontally and vertically. This crops out the top and bottom of the picture.
<b>Wide screen</b>	Displays a picture that is stretched out of proportion to fill the screen.

### For PC Input signal



- This unit can also be connected to your PC that has a DVI terminal. Use an HDMI-DVI conversion cable for this Video connection and it requires Stereo mini 3.5mm plug Audio cable for Analog Audio signal as well.
- Refer to 16:9 video signal on this page if PC has HDMI Output.

<b>4:3</b>	Displays a proportionately stretched picture. Sidebars appear on both edges of the screen.
<b>Wide screen</b>	Displays a picture that is stretched out of proportion to fill the screen.
<b>Unscaled</b>	Displays a picture in its original size.

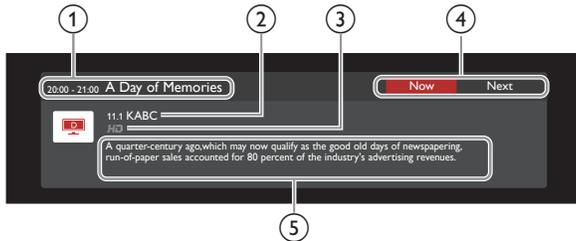
## TV screen information

You can check the information on the TV program that is currently on-air.

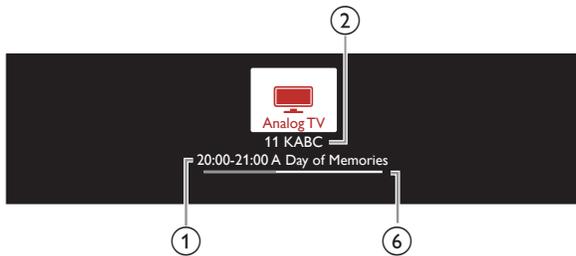
- 1 Press **INFO**.



### Digital TV operation



### Analog/Cable TV operation



- 1 Start time - End time of the selected program and Program name
- 2 Channel number and Station name
- 3 icons
  - HD** : indicating HD program
  - : indicating the selected service is locked
  - : indicating the program contains subtitle
- 4 Use **◀▶** to switch between current program and next program.
- 5 Program details
- 6 Progress bar

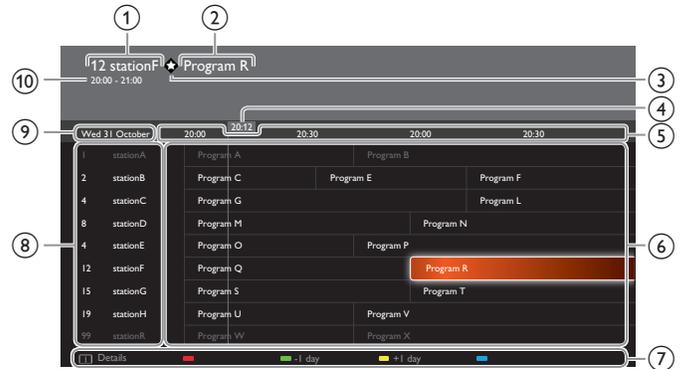
- 2 Press **INFO** to hide the information.

## Viewing program guide

### Digital TV operation

You can display a list of the digital TV programs for the next 7days using program guides provided by the broadcasters.

- 1 Press **GUIDE**.



- 1 Channel number and Station name
- 2 Program title
- 3 icon appears when the selected station is registered on the favorite list.
- 4 Current time
- 5 Time-shift for 2 hours
- 6 Program list
- 7 Operation guide
  - Press **INFO** to display the details of the selected program.
  - Press **green/yellow** to display the program list of the previous/next day
- 8 Channel list
- 9 Current day and date
- 10 Start time - End time of the selected program

- 2 Press **GUIDE** to hide the program guide.

### Note(s)

- The program guide is not available when you first set up this unit. This unit needs to receive and store the data while viewing a DTV program or displaying the program guide. It may take a while.

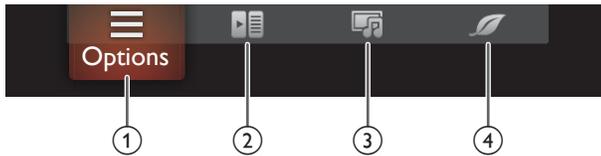
## Using Options menu

You can access to some TV settings directly by using **OPTIONS**.

- 1 Press **OPTIONS** to display options menu, then press **OK**.



- 2 Use **▲▼◀▶** to select a desired setting, then press **OK**.



### ① Options

Following settings can be configured.

#### Digital TV operation

Subtitles	To choose the subtitle display setting. <b>Subtitles</b> ➡ p.18
Subtitle language	To select the desired subtitle language.
Audio language	To select the desired audio language.

#### Analog/Cable TV operation

Mono/Stereo	To select an audio format. <b>Mono/Stereo</b> ➡ p.32
Status	To display information of selected service or source.

### ② Controls

If you have our brand products such as Blu-ray disc player or DVD recorder that are compatible with EasyLink functions, connect them to this unit via an HDMI cable so you can simply operate various items from this unit's Remote Control.

#### Before you begin:

select a device connected to an HDMI connection ➡ p.17

You must set **On** in **Master EasyLink**. ➡ p.30

Otherwise, LINK does not work even if you connected our brand devices to this unit.

- 1 Press **OPTIONS** to display options menu.
- 2 Use **◀▶** to select **Controls** then press **OK**.
- 3 Use **▲▼** to select the desired item, then press **OK**.

Device-menu	Controls the menu of your connected EasyLink device.
Device-contents	Controls the top menu of your DVD or Blu-ray discs.
Device-favorite	Controls the pop-up menu of your Blu-ray discs.

### ☰ Note(s)

- Some of EasyLink functions may not be available depending on your EasyLink devices or discs.
- You must connect this unit to our brand EasyLink devices and be sure its EasyLink (HDMI CEC) setting is also set to On.
- We do not guarantee 100% interoperability with other brands of HDMI link compliant devices.

### ③ Picture and sound

Following settings can be configured.

Auto picture	To set predefined picture mode. <b>Picture</b> ➡ p.25
Auto sound	To set predefined sound mode. <b>Sound</b> ➡ p.27
Headphone volume	To adjust headphone volume. <b>Sound</b> ➡ p.27
TV speakers	To select the audio output from the unit's speakers or not. <b>Sound</b> ➡ p.27
Picture format	To switch the TV aspect ratio. <b>Changing Picture Format</b> ➡ p.19
Setup	To display setup menu

### ④ ECO settings

Following settings can be configured.

Energy saving	To set predefined picture mode. <b>Picture</b> ➡ p.25
Light sensor *	To set light sensor On or off. <b>Picture</b> ➡ p.25
Switch off timer	You can turn off the unit automatically when there is no operation for specified time. In spite of this setting, the unit goes into standby mode automatically if there is no signal input and no user operation for 15 minutes.  Press <b>▲</b> repeatedly to change the amount of time (increases the time by 30 minutes up to 240 minutes). Each press of <b>▼</b> will decrease the time by 30 minutes. To cancel the timer, press <b>▼</b> repeatedly until "0" is displayed.

\* Not available for 32PFL4509C.

## USB

Your TV is fitted with a USB connection that enables you to view photos, listen to music or watch video files stored on a USB Memory Stick.

- 1 Press **SOURCE** and use to select **Browse USB**, then press **OK**.
- 2 Use to select the desired type of file, then press **OK**.
  - Select **Folders** to display folders on the USB.
  - These recorded files must meet specifications shown below:

Picture (JPEG)	
Upper limit	16Mpixel

Music (MP3 / WAV / AAC)		
Extension	Sampling frequency	Constant bit rate
.mp3	32 kHz, 44.1 kHz, 48 kHz	32 kbps - 320 kbps
.wav	48 kHz, 96 kHz	-
.aac	8 kHz, 11.025 kHz, 12 kHz, 16 kHz, 22.05 kHz, 24 kHz, 32 kHz, 44.1 kHz, 48 kHz	8 kbps - 384 kbps

Video (MPEG / VOB / MP4)			
Maximum size of a video	1920 × 1080		
Extension	.mpg, .mpeg	.vob	.mp4
Video codec	.mpg, .mpeg	MPEG2	H.264
Audio codec			
Dolby Digital	YES	YES	NO
MPEG1 audio layer3 (MP3)	YES	NO	NO
MPEG1 audio layer2	YES	NO	NO
LPCM	YES	NO	NO
AAC-LC	NO	NO	YES

### Note(s)

- This unit accepts USB memory stick only. Other storage devices such as external HDD by USB bus power will not work.
- Do not use an extension cord and USB Hub to connect devices to this unit. Always insert the USB flash memory in to this unit directly.
- We cannot be held responsible if your USB memory stick is not supported, nor will we accept any liability for damage or loss of stored data.
- The USB memory stick is not supplied with this TV.
- A maximum of 1,023 folders or files can be recognized.
- A file name exceeding 256 characters or contains a dot character is not supported on this TV.
- Progressive JPEG files are not supported.
- A USB Memory Stick that required its own driver or the device with a special system such as fingerprint recognition are not supported.
- 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 avoid damaging the USB Memory Stick and the Unit always turn off the Unit before you remove the USB Memory Stick.
- This Unit is not allowed to use the USB Memory Stick which requires external power supply (500 mA or more).
- This Unit does not support MTP (Media Transfer Protocol) or the file other than FAT16 and FAT32 file system. If the file is not supported, an error message appears.
- When the Unit does not recognize the USB Memory Stick, try reconnecting it.
- Playing the files recorded with high bit rates, the images can be interrupted in some occasions.
- This Unit does not support external subtitles.
- This Unit cannot play back a file which goes over the limit of file restriction.

## Viewing photos

- 1 Use to select **Photos**, then press **OK**.
- 2 Press **OK** or to start a Slide show of the files.
  - Press **OK** or to pause the Slide show. The icon appears.
  - Press or to move between images.
  - Press **BACK** or to stop the Slide show.
  - Press **OPTIONS** to display the optional menu, then use to select the desired item.

Slide time *1	Short	Switches to the next image in 5 seconds.
	Medium	Switches to the next image in 10 seconds.
	Long	Switches to the next image in 15 seconds.
Transitions *1	None	No effect when switching images.
	Dissolve	Overlaps a next image on a current image.
	Wipe right	Pushes a current image out from left.
	Wipe left	Pushes a current image out from right.
	Wipe up	Pushes a current image out from bottom.
	Wipe down	Pushes a current image out from top.
	Box in	A next image comes into the center from out.
Rotate *2	Box out	A next image goes to the out from center.
	0	Displays an image at its original direction.
	90	Rotates an image clockwise by 90 degrees.
	180	Rotates an image clockwise 180 degrees.
Zoom *2	270	Rotates an image clockwise 270 degrees.
	1x	Displays an image at its original size.
	2x	Magnifies a current image by 2 times.
Auto picture	4x	Magnifies a current image by 4 times.
	Selects the picture mode according to your preference. ( <b>Vivid, Sports, Standard, Movie, Game, Internet video</b> and <b>Energy saving</b> )	

\*1 You can set **Slide time** and **Transitions** when images are in Slide show.

\*2 You can set **Rotate** and **Zoom** when Slide show is in Pause mode.

## Playing music

- 1 Use ◀▶ to select **Music**, then press **OK**.
- 2 Press **OK** or ▶|| to play the selected files.
  - Press **OK** or ▶|| to pause, then press **OK** or ▶|| again to resume.
  - Press ▶▶ to skip to the next file.
  - Press ◀◀ to return to the beginning of the file currently playing.
  - Press ■ to stop playback.
  - Press **☐** **OPTIONS** to display the optional menu, then use ▲▼ to select the desired item.

Repeat	Off	Sets repeat playback to Off.
	On	Sets repeat playback for all MP3 files in the current folder.
Shuffle	Off	Sets shuffle playback to Off.
	On	Sets shuffle playback for all MP3 files in the current folder.
TV speakers	Off	The sound will not be output from the unit's speakers.
	On	The sound will be output from the unit's speakers.
	Speakers EasyLink	You can control Audio Output from your connected EasyLink Compliant Devices with +/- (VOLUME) by using this unit's Remote Control.
Auto sound	Selects the sound mode according to your preference. (Standard, Vivid, Sports, Movie, Music and News)	

### ☰ Note(s)

- TV speakers will be displayed only when Master EasyLink is set to On. EasyLink **☐**▶ p.30

## Playing videos

- 1 Use ◀▶ to select **Video**, then press **OK**.
- 2 Press **OK** or ▶|| to play the selected files.
  - Press **OK** or ▶|| to pause, then press **OK** or ▶|| again to resume.
  - Press ▶▶ to fast-forward search.
  - Press ◀◀ to fast-backward search.
  - Press ■ to stop playback.  
Press ▶|| to resume from the point at which playback was stopped. Press **OK** to play from the beginning of the file.
  - Press **☐** **OPTIONS** to display the optional menu, then use ▲▼ to select the desired item.

Audio	Not available	The unit displays if no Audio language is available.
	Audio 1-8	Selects the desired Audio language if the Video file contains them.
TV speakers	Off	The sound will not be output from the unit's speakers.
	On	The sound will be output from the unit's speakers.
	Speakers EasyLink	You can control Audio Output from your connected EasyLink Compliant Devices with +/- (VOLUME) by using this unit's Remote Control.
Auto picture	Selects the picture mode according to your preference. (Standard, Vivid, Sports, Movie, Game, Energy saving and Internet video)	
Auto sound	Selects the sound mode according to your preference. (Standard, Vivid, Sports, Movie, Music and News)	

### ☰ Note(s)

- The resume information will be kept even when the unit is Turned Off.
- If you play another file while the previously viewed file is being resumed, the resume information of the previously viewed file will be deleted.
- The file or the folder in resume stop mode will be highlighted in gray on **List** or **Thumbnails**.
- TV speakers will be displayed only when Master EasyLink is set to On. EasyLink **☐**▶ p.30

## 5 Making more use with your TV

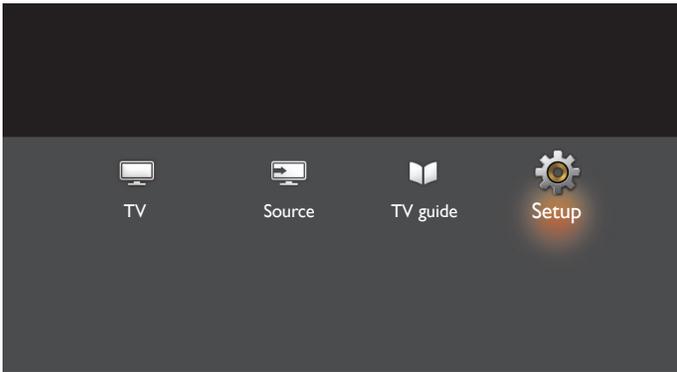
This section describes the overview of the setup menu displayed when you press **Home** and use **Left/Right** to select **Setup**.

The setup menu consists of the function setting items below.

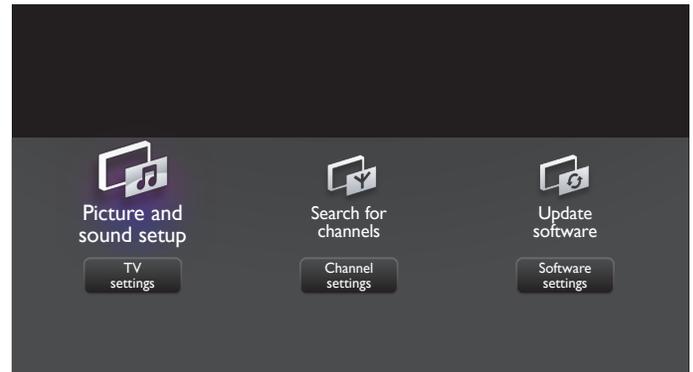
- 1 Press **Home** to display Home menu.



- 2 Use **Left/Right** to select **Setup**, then press **OK**.



- 3 Use **Up/Down/Left/Right** to select the desired menu, then press **OK**.



### Picture and sound setup ▶▶▶ p.25

Guides you to get the best picture and sound settings.

### TV settings ▶▶▶ p.25

Accesses menus that allow you to change picture, sound and TV usage settings.

### Search for channels ▶▶▶ p.31

Guides you through channel installation.

### Channel settings ▶▶▶ p.31

Accesses menus that allow you to change channel settings.

### Update software ▶▶▶ p.32

Guides you through an update of the TV Software.

### Software settings ▶▶▶ p.33

Accesses menus that allow you to change Software settings.

# Picture and sound setup

**Before you begin:**

You must set **Home** in **Location**. ►► p.29

Otherwise, personalized picture and sound settings will not be memorized after the unit goes into Standby mode.

- 1 Press **Home** and use **Left/Right** to select **Setup**, then press **OK**.
- 2 Use **Up/Down/Left/Right** to select **Picture and sound setup**, then press **OK**.
- 3 Follow steps **5** to **7** in **Initial setup** ►► p.15

# TV settings

## Picture

**Before you begin:**

You must set **Home** in **Location**. ►► p.29

Otherwise, personalized picture and sound settings will not be memorized after the unit goes into Standby mode.

- 1 Press **Home** and use **Left/Right** to select **Setup**, then press **OK**.
- 2 Use **Up/Down/Left/Right** to select **TV settings**, then press **OK**.
- 3 Use **Up/Down** to select **Picture**, then press **OK**.

Picture	Auto picture
Sound	Backlight
Features	Contrast
Installation	Brightness
	Color
	Tint
	Sharpness
	Advanced settings
	Picture format
	Mode selection
	Auto adjustment

- 4 Use **Up/Down/Left/Right** to select the item you want to adjust, then press **OK**.
  - The following picture settings can be configured. Depending on the format of the picture Source, some picture settings are not available.

Auto picture	to set your TV to a predefined picture setting.	
	Personal	The customized settings you defined using the <b>Picture</b> menu
	Standard	For normal TV viewing
	Vivid	Enhanced picture contrast and sharpness for viewing in a well-lit room
	Sports	Brilliant picture settings for high action
	Movie	Deep picture settings for a cinematic experience
	Game	Optimized for PCs and game consoles
	Energy saving	Eco TV settings for low power consumption

When you adjust the following settings, **Personal** will be set automatically.

	Cursor ▲	Cursor ▼
Backlight	to reduce power consumption and brightness	to increase power consumption and brightness
Contrast	to decrease contrast	to increase contrast
Brightness	to decrease brightness	to increase brightness
Color	to decrease color intensity	to increase color intensity
Tint	to add red	to add green
Sharpness	to soften	to sharpen

**Advanced settings**  
to select the desired setting, then press **OK** (**Color alignment**, **Noise reduction**, **Light sensor\***, **Black stretch**, **Dynamic contrast**, **Gamma**, **120 PMR\***, **MPEG artifact reduction**, **Color enhancement**, **Custom color management** and **Film mode**)

Picture format	Automatic	Changing Picture Format ►► p.19
	Super zoom	
	4:3	
	Movie expand 14:9	
	Movie expand 16:9	
	Wide screen	
	Unscaled	

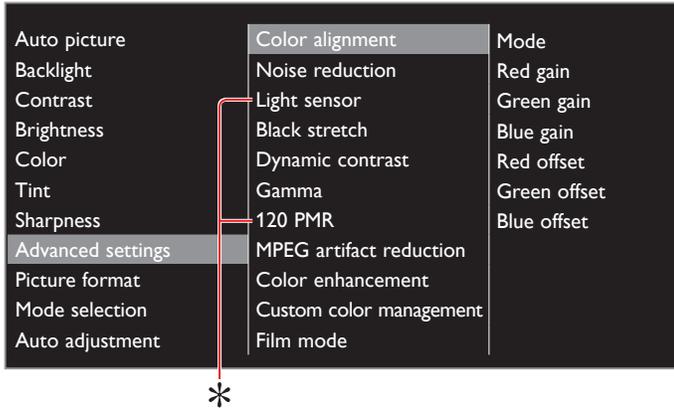
Mode selection	PC	to Turn Off image enhancement features which makes the TV to act purely as a monitor
	HDTV	to enable image enhancement features to improve picture quality

**Auto adjustment**  
to adjust the horizontal / vertical position, clock and phase of the PC screen automatically

	Cursor ▲	Cursor ▼
Clock	to decrease setting value	to increase setting value
Phase		
Horizontal position	to move PC screen left	to move PC screen right
Vertical position	to move PC screen down	to move PC screen up

\* Not available for 32PFL4509C.

You can set a particular about picture quality in Advanced settings.



Color alignment	Mode	to set the color temperature to <b>Personal, Cool, Normal</b> and <b>Warm</b> When you adjust the following settings, <b>Personal</b> will be set automatically.	
		Cursor ▲	Cursor ▼
	Red gain	to decrease contrast with red	to increase contrast with red
	Green gain	to decrease contrast with green	to increase contrast with green
	Blue gain	to decrease contrast with blue	to increase contrast with blue
	Red offset	to decrease brightness with red	to increase brightness with red
	Green offset	to decrease brightness with green	to increase brightness with green
	Blue offset	to decrease brightness with blue	to increase brightness with blue
Noise reduction	to select the desired setting, then press <b>OK</b> ( <b>Off, Minimum, Medium, Maximum</b> and <b>Auto</b> )		
Light sensor*	Off	to set Light sensor to Off	
	On	to adjust backlight for the best picture quality by dynamically adjusting the backlight intensity in accordance with lighting condition in the room	
Black stretch	to select the desired setting, then press <b>OK</b> ( <b>Off, Minimum, Medium</b> and <b>Maximum</b> )		
Dynamic contrast	to select the desired setting, then press <b>OK</b> ( <b>Off, Minimum, Medium</b> and <b>Maximum</b> )		
Gamma	Cursor ▲	Cursor ▼	
	to adjust the gamma encoding of images		
120 PMR*	Off	to set <b>120 PMR</b> to Off	
	On	to make the video appear smooth	
MPEG artifact reduction	to select the desired setting, then press <b>OK</b> ( <b>Off, Minimum, Medium</b> and <b>Maximum</b> )		

Color enhancement	Off	to set Color enhancement to Off	
	On	to make colors more vivid and bright	
Custom color management	to select the desired setting, then press <b>OK</b> ( <b>Red, Yellow, Green, Cyan, Blue</b> and <b>Magenta</b> )		
		Cursor ▲	Cursor ▼
	Tint	to rotate only selected color tint in clockwise direction	to rotate only selected color tint in counterclockwise direction
	Saturation	to decrease color with only selected color	to increase color with only selected color
	Brightness	to decrease brightness with only selected color	to increase brightness with only selected color
Film mode	Off	to set film mode to Off	
	Auto	to optimize the picture recorded by the original film	

#### Note(s)

- **Mode selection** is available only if
  - the external input modes are selected HDMI 1, HDMI 2 or HDMI 3.
  - the connected HDMI device is outputting a video signal.
- Adjusts backlight for the best picture quality by dynamically adjusting the backlight intensity in accordance with lighting condition in the room when **Light sensor\*** is set to **On**. Please ensure the room lighting is stable and the light sensor is not blocked.

\* Not available for 32PFL4509C.

Continued on next page.

## Sound

### Before you begin:

You must set **Home** in **Location**. ➡ p.29

Otherwise, personalized picture and sound settings will not be memorized after the unit goes into Standby mode.

- 1 Press **Home** and use **Left/Right** to select **Setup**, then press **OK**.
- 2 Use **Up/Down** to select **TV settings**, then press **OK**.
- 3 Use **Up** to select **Sound**, then press **OK**.

Picture	Auto sound
Sound	Equalizer
Features	Balance
Installation	DTS TruSurround
	Auto volume leveling
	TV speakers
	Headphone volume
	Digital output format
	Delta volume

- 4 Use **Up/Down** to select the item you want to adjust, then press **OK**.

The following sound settings can be configured. Depending on the format of the broadcasting, some sound settings are not available.

Auto sound	to set your TV to a predefined sound setting. When you adjust the following settings ( <b>Equalizer</b> , <b>DTS TruSurround</b> and <b>Auto volume leveling</b> ), <b>Personal</b> will be set automatically.	
	Personal	The customized settings you defined using the <b>Sound</b> menu
	Standard	For normal TV viewing
	Vivid	Enhanced sound
	Sports	Clear sound for high action
	Movie	Powerful sound settings for a cinematic experience
	Music	Optimized for music playback
	News	Set the anchor's voice at a comfortable volume

Adjust the tonal quality for each frequency.

Equalizer	Cursor ▲	Cursor ▼
	to adjust the each level of tonal quality Press <b>Left</b> BACK to go back to the previous menu.	

Adjust the speakers to suit your listening preference.

Balance	Cursor ▲	Cursor ▼
	to adjust the balance of the right and left speakers	

This selects sound modes for more spatial or surround sound reproduction.

DTS TruSurround	Off	to set DTS TruSurround™ to Off
	On	to set DTS TruSurround™ to On

This function keeps a constant loudness differential between the TV commercials and the programs.

Auto volume leveling	Off	to remove the auto volume leveling
	On	to reduce volume differences between the TV commercials and the programs

You can select the Audio Output from the unit's speakers or not. If your amplifier is HDMI link function compatible and connected by an HDMI cable to this unit, some sound operations such as volume up can be changed by using this unit's Remote Control. Make sure **Master EasyLink** is set to **On**. ➡ p.30

TV speakers	Off	not to output sound from the unit's speakers
	On	to output sound from the unit's speakers
	Speakers EasyLink	to control Audio Output from your connected EasyLink Compliant Devices with <b>VOL +/-</b> by using this unit's Remote Control.

Adjust headphone volume.

Headphone volume	Cursor ▲	Cursor ▼
	to decrease or increase volume	

You can set the digital audio output format from S/PDIF / ARC.

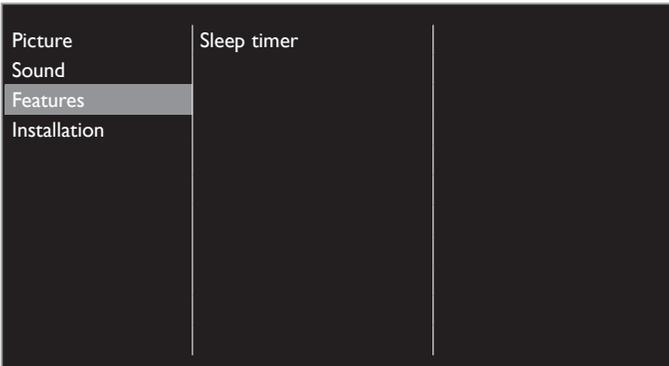
Digital output format	PCM	to output PCM
	Multichannel	to output Multichannel (When the audio of the content is PCM, it will be output in PCM even if <b>Multichannel</b> is selected.)

If a channel or Input device is too loud or too soft, navigate to that channel or Input device.

Delta volume	Cursor ▲	Cursor ▼
	to set a negative delta volume level as per your personal preferences	to set a positive delta volume level as per your personal preferences

## Features

- 1 Press **Home** and use **Left/Right** to select **Setup**, then press **OK**.
- 2 Use **Up/Down/Left/Right** to select **TV settings**, then press **OK**.
- 3 Use **Up/Down** to select **Features**, then press **OK**.



- 4 Adjust the following item.

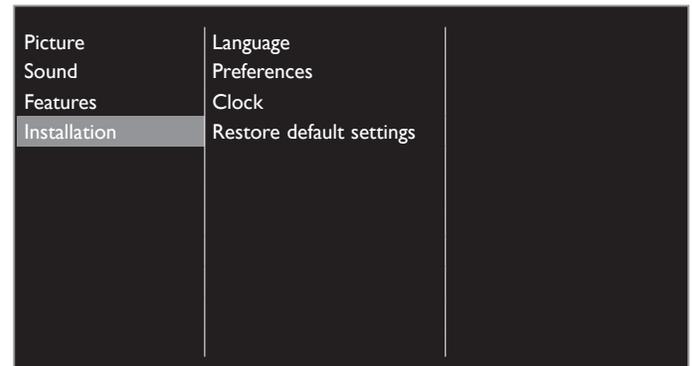
## Sleep timer

Sleep Timer can set the unit to go into Standby mode after an incremental period of time.

- 1 Use **Up/Down** to select **Sleep timer**, then press **OK**.
- 2 Press **Up** repeatedly to change the amount of time (increases the time by 5 minutes up to 180 minutes).
  - Each press of **Down** will decrease the time by 5 minutes.
  - To cancel the sleep timer, press **Down** repeatedly until "0" is displayed.

## Installation

- 1 Press **Home** and use **Left/Right** to select **Setup**, then press **OK**.
- 2 Use **Up/Down/Left/Right** to select **TV settings**, then press **OK**.
- 3 Use **Up/Down** to select **Installation**, then press **OK**.

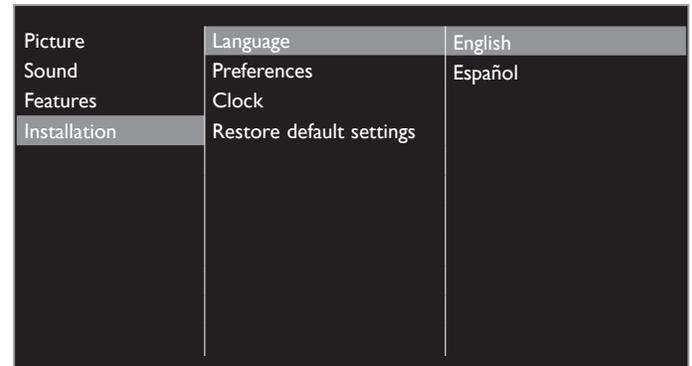


- 4 Adjust the following items.

## Language

You can set the language for the On-screen display.

- 1 Use **Up/Down** to select **Language**, then press **OK**.



- 2 Use **Up/Down** to select **English** or **Español**, then press **OK**.

### ≡ Note(s)

If you need the English menu instead of the Spanish menu's, press **Home**.  
 Use **Up/Down/Left/Right** to select **Ajustes**, then press **OK**.  
 Use **Up/Down/Left/Right** to select **Ajustes de TV**, then press **OK**.  
 Use **Up/Down** to select **Instalación** then press **OK**.  
 Use **Up/Down** to select **Idioma** then press **OK**.  
 Use **Up/Down** to select **English**, then press **OK**.

## Preferences

You can set the unit to reduce the power consumption or adjust the backlight brightness in **Location** setting.

**EasyLink** allows you to operate your connected EasyLink device.

### Setting your location to home

Choosing **Home** gives you full flexibility to change predefined settings for picture and sound.

- 1 Use ▲▼ to select **Preferences**, then press **OK**.
- 2 Use ▲▼ to select **Location**, then press **OK**.

Language	Location	Retail
Preferences	EasyLink	Home
Clock	TV placement	
Restore default settings	E-sticker	

- 3 Use ▲▼ to select **Home**, then press **OK**.

<b>Retail</b>	The Unit will be set up with predefined settings for retail displays. In this setting, you can set the backlight brighter.
<b>Home</b>	The unit is set to maximize the energy efficiency for home setting and it can be adjusted through a choice of picture and sound quality according to your preference.

#### Note(s)

- You must set **Home**. Otherwise, personalized picture and sound settings will not be memorized after the unit goes into Standby mode.

## TV placement

To apply the best settings for your TV, select wall mount or stand mount.

- 1 Use ▲▼ to Select **Preferences**, then press **OK**.
- 2 Use ▲▼ to select **TV placement**, then press **OK**.
- 3 Use ▲▼ to select **Wall mounted** or **On a TV stand**, then press **OK**

## E-sticker

When you set **Location** to **Retail**, E-sticker (Electronic Sticker) is displayed. E-sticker can be Turned Off using procedure below.

- 1 Use ▲▼ to select **Preferences**, then press **OK**.
- 2 Use ▲▼ to select **E-sticker**, then press **OK**.
- 3 Use ▲▼ to select **Off**, then press **OK**.

## Use Philips EasyLink

Your TV supports Philips EasyLink, which enables one-touch play and one-touch Standby between EasyLink-compliant devices. Compliant devices must be connected via an HDMI connector.

### One-touch play

When you connect your TV to devices that support one-touch play, you can control your TV and the devices with one Remote Control. For example, when you press ► (**play**) on your DVD Remote Control, your TV automatically switches to the correct channel to show the DVD content.

### One-touch Standby

When you connect your TV to devices that support Standby, you can use your TV Remote Control to put your TV and all connected HDMI devices in Standby mode. You can perform one-touch Standby using the Remote Control from any of the connected HDMI devices.

### System audio control

When you connect your TV to HDMI CEC compliant devices, your TV can switch automatically to play audio from the connected device. To use one-touch audio, you must map the audio input from the connected device to your TV. You can use the Remote Control from the connected device to adjust the volume.

### Remote Control (RC) key forwarding

RC key forwarding allows you to control EasyLink-compliant devices using your TV Remote Control.

### HDMI-ARC (Audio Return Channel) (HDMI 1 only)

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

#### Note(s)

- Philips does not guarantee 100% interoperability with all HDMI CEC devices.
- The EasyLink-compliant device must be Switched On and selected as the source.

## EasyLink

This function allows you to operate the linked functions between our brand devices with a EasyLink feature and this unit connecting through an HDMI cable. You must connect this unit to our brand EasyLink devices and be sure its EasyLink setting is also set to On.

- 1 Use ▲▼ to select **Preferences**, then press **OK**.
- 2 Use ▲▼ to select **EasyLink**, then press **OK**.
- 3 Use ▲▼◀▶ to select the item you want to adjust, then press **OK**.

Location	Master EasyLink	Off
EasyLink	Auto TV On	On
TV placement E-sticker	RC key forwarding HDMI-ARC	

Set the **Master EasyLink** to **On** or **Off**. The following additional settings will be grayed out when you set to **Off**.

Master EasyLink	Off	Disables all EasyLink.
	On	Selects if you have connected an external device that is compatible with the EasyLink function.

This unit will Turn On when the Power On signal is sent from your connected EasyLink device.

Auto TV On	Off	This unit stays in Standby mode even if you Turn On your connected EasyLink device.
	On	This unit Turns On automatically when you Turn On your connected EasyLink device.

You can operate some functions such as disc playback or call up the menu of the connected devices, by using this unit's Remote Control.

RC key forwarding	Off	Disable RC key forwarding.
	On	▶  /■/▶▶ / ◀◀ / VOL +/- / MUTE / □ OPTIONS / ▲▼◀▶ / OK / ↵ BACK / the NUMBER buttons can be used to control your connected EasyLink devices by this unit's Remote Control.

### Note(s)

- Pause may not work properly on some devices even if they are complied with EasyLink (HDMI CEC)

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

HDMI-ARC (HDMI 1 only)	Off	Disable HDMI-ARC.
	On	You can output TV Audio through the HDMI cable solely, provided both the TV and device are HDMI-ARC compliant.

## Clock

### Auto clock mode

This Unit can adjust the clock automatically by referring to the DTV time signal.

- 1 Use ▲▼ to select **Clock** then press **OK**.
- 2 Use ▲▼ to select **Auto clock mode** then press **OK**.
- 3 Use ▲▼ to select **Automatic** or **Manual** then press **OK**.

Automatic	to adjust the clock automatically by referring to the DTV time signal
Manual	to set the clock back or ahead by a specific time which is set in <b>Time offset</b> menu This function is only available when you set country setting to <b>Other</b> . <b>Reinstall channels</b> ►► p.31

### Time offset

Using this function lets you set the clock back or ahead by a specific time when you set **Manual** in **Auto clock mode**.

- 1 Use ▲▼ to select **Clock**, then press **OK**.
- 2 Use ▲▼ to select **Time offset**, then press **OK**.
- 3 Use ▲▼ to select desired time offset, then press **OK**.

## Return your settings to default values

You can return settings to their default values.

- 1 Use ▲▼ to select **Restore default settings**, then press **OK**.
- 2 Use ▲▼ to select **Reset AV settings** or **Reset all settings**, then press **OK**.

Reset AV settings	Return picture and sound settings to their default values. The channel installation settings are not affected.
Reset all settings	Return all the settings to their default values.

## Search for channels

Be sure the RF cable is correctly connected to this Unit and you are registered with your Cable TV provider when you install Cable channels.

- 1 Press **Home** and use **Left/Right** to select **Setup**, then press **OK**.
- 2 Use **Up/Down/Left/Right** to select **Search for channels**, then press **OK**.
- 3 Press **OK** on **Start**

## Update channels

You can update your current channel list while retaining stored channels.

- 4 Press **Right** to move the cursor to the right side and use **Up/Down** to select **Update digital channels** or **Update analog channels**, then press **OK**.
- 5 Press **OK** on **Start**.
  - Channel search will begin.
- 6 Press **OK** on **Finish** to complete.

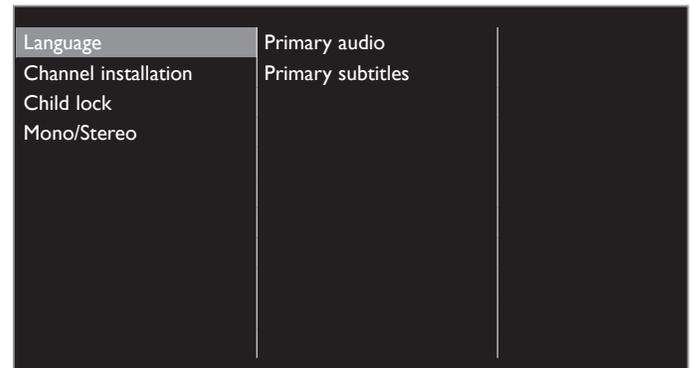
## Reinstall channels

You can search and store all channels again. If you move the unit to a different area after the initial setting, it is recommended to perform **Reinstall channels**.

- 4 Use **Up/Down** to select **Reinstall channels**, then press **OK**.
- 5 Use **Up/Down** to select your country, then press **OK**.
- 6 Press **Right** to move the cursor to the right side and use **Up/Down** to select signal types, then press **OK**.
  - indicates that the signal type is selected.
  - indicates that the signal type is unselected.
- 7 Press **Left** to select **Next**, then press **OK**.
- 8 Press **OK** on **Start**.
  - Channel search will begin.
- 9 Press **OK** on **Finish** to complete.

## Channel settings

- 1 Press **Home** and use **Left/Right** to select **Setup**, then press **OK**.
- 2 Use **Up/Down/Left/Right** to select **Channel settings**, then press **OK**.



- 3 Adjust the following items.

### Language

#### Digital TV operation

You can select the language for each of the primary audio or primary subtitle while your TV is receiving the Digital broadcasting.

- 1 Use **Up/Down** to select **Language**, then press **OK**.
- 2 Use **Up/Down** to select **Primary audio** or **Primary subtitles**, then press **OK**.
- 3 Use **Up/Down** to select the desired language, then press **OK**.

### Channel installation

Be sure the RF cable is correctly connected to this Unit and you are registered with your Cable TV provider when you install Cable channels.

#### Digital: Reception test

You can search and store digital channels one by one by this function.

- 1 Use **Up/Down** to select **Channel installation**, then press **OK**.
- 2 Use **Up/Down** to select **Digital: Reception test**, then press **OK**.
- 3 Press **OK** on **Search**.
- 4 Press **Right** to enter a physical channel number.
  - Use **the NUMBER buttons** or **Up/Down** to enter a physical channel number.
- 5 Press **Right**, then press **OK** on **Search**.
- 6 When the channel is found, press **OK** on **Store**.

## Analog: Manual installations

You can search and store analog channels one by one by this function.

- 1 Use ▲▼ to select **Analog: Manual installations**, then press **OK**.
- 2 Use ▲▼ to select **Antenna connection**, then press **OK**.
- 3 Use ▲▼ to select **Antenna** or **Cable**, then press **OK**.
  - The unit will detect the selected type of signals.
- 4 Use ▲▼ to select **Search channel** then press **OK**.
- 5 Press ► to enter a physical channel number.
  - Use the **NUMBER buttons** or ▲▼ to enter a physical channel number.
- 6 Press ►, then press **OK** on **Search**.
- 7 When the channel is found, press **OK** on **Store**.

## Channel list

You can display the channel list.

- 1 Use ▲▼ to select **Channel list**, then press **OK**.
  - Channel list will appear.

## Child Lock

You can Prevent Children from Viewing certain Programs by Locking the TV controls using Age Ratings.

- 1 Use ▲▼ to select **Child lock**, then press **OK**.
- 2 Use ▲▼ to select **Parental rating**, then press **OK**.
- 3 Use the **NUMBER buttons** to enter the 4-digit numbers for your child lock code.
- 4 Use ▲▼ to select the desired rating, then press **OK**.

*Set or change the child lock code*

- 1 Use ▲▼ to select **Child lock**, then press **OK**.
- 2 Use ▲▼ to select **Set code** or **Change code**, then press **OK**.
- 3 Follow the on-screen instructions to complete the setting.

### Note(s)

- If you have forgotten your child lock code, enter 0711 to reset the code.

## Mono/Stereo

### Analog/Cable TV operation

You can select an audio format while your TV is receiving the Analog broadcasting.

- 1 Use ▲▼ to select **Mono/Stereo**, then press **OK**.
- 2 Use ▲▼ to select **Mono**, **Stereo** or **SAP** (Second Audio Program), then press **OK**.

## Update software

Philips continuously tries to improve its products and we strongly recommend that you upgrade the TV Software when upgrades are available. New Software can be downloaded from our website at [www.philips.com/support](http://www.philips.com/support) using the model number of your TV to find information.

You can update the software through these methods:

- update with USB Memory Stick
- update from digital broadcast **Auto Update Setting** ►► p.33

This section describes how to upgrade the software by using USB Memory Stick.

## Preparing for the Software upgrade

You require the following equipment:

- A PC with web browsing capability
- An archive utility that supports the ZIP-format (e.g. WinZip for Windows or Stuffit for Mac OS)
- An empty clean formatted USB Memory Stick

### Note(s)

- Only FAT/DOS-formatted portable memory is supported.
- Use only Software upgrades that can be found on the Philips web site.

### Warning

- When the Software upgrade is running, don't press any buttons.
- Do not remove the USB Memory Stick during the Software upgrade.
- If an error occurs during the upgrade, retry the procedure or for further assistance, please contact Call Center.

## Downloading the Software

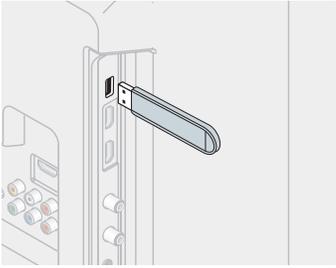
Find information and Software related to your TV and download the latest Software upgrade file to your PC.

Prepare a blank USB memory stick for Software Update. Access [www.philips.com/support](http://www.philips.com/support) and download the latest version software to a blank USB memory stick using a PC by following the Directions described on the website.

- Use a blank USB memory stick, download the software on your PC and write the software in the root directory of the USB memory stick.
- For more details on how to download the software, please refer to the website.

## Starting the software update

- 1 Connect your USB Memory Stick with the upgrade file to the USB terminal on the side of your TV.



- 2 Press **Home** and use **Left/Right** to select **Setup**, then press **OK**.
- 3 Use **Up/Down/Left/Right** to select **Update software**, then press **OK**.
- 4 Use **Left/Right** to select **USB**, then press **OK**.
- 5 Use **Up/Down/Left/Right** to select the desired update file, then press **OK**.
- 6 Use **Left/Right** to select **Yes**, then press **OK**.
  - Read the on-screen instructions and confirm that you want to continue with the installation.

Software update is in progress. Please wait.  
Do not remove the USB storage device or turn the TV off while upgrade is in progress.



- 7 When the software upgrade is completed, press **Power** to set the unit to go into Standby mode, then remove the USB Memory Stick.
- 8 Unplug the AC power cord for a few seconds from AC outlet and plug it again.
- 9 Press **Power** again to Turn the unit On.
  - The TV starts up with the new software.
  - For further assistance, please contact Call Center.

## Software settings

### Software

- 1 Press **Home** and use **Left/Right** to select **Setup**, then press **OK**.
- 2 Use **Up/Down/Left/Right** to select **Software settings**, then press **OK**.
- 3 Use **Up/Down** to select **Software**, then press **OK**.

### Checking your current Software version

- 1 Use **Up/Down** to select **Software information**, then press **OK**.
  - The version and a description of the current software is displayed.

### Auto Update Setting

You can download the latest software through the air and update this unit automatically while the unit is in standby mode.

- 1 Use **Up/Down** to select **OAD Auto update**, then press **OK**.
- 2 Use **Up/Down** to select the desired option, then press **OK**.

Off	Update the latest software automatically while the unit is in standby mode.
On	Disable automatically update for latest software.

### License

Displays the Licenses of Open Source Software used in this unit.

- 1 Use **Up/Down** to select **License**, then press **OK**.
  - Licenses of Open Source Software used in this unit are displayed.

## 7 Useful tips

### FAQ

Question	Answer
My Remote Control does not work. What should I do?	<ul style="list-style-type: none"> <li>• Check the antenna or cable connection to the main unit.</li> <li>• Check the Batteries of the Remote Control.</li> <li>• Check if there is an obstacle between the infrared sensor window and the Remote Control.</li> <li>• Test the signal Output use <b>IR Signal Check</b>. <b>▶▶▶ p.36</b> If okay, then possible infrared sensor trouble.</li> <li>• Aim the Remote Control directly at the infrared sensor window on the front of the unit.</li> <li>• Reduce the distance to the unit.</li> <li>• Re-insert the Batteries with their polarities (+/-) as indicated.</li> <li>• 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.</li> </ul>
How come the initial setup appears every time I Turn On this unit?	<ul style="list-style-type: none"> <li>• Make sure to complete the initial setup before the unit goes into Standby mode.</li> </ul>
Why can I not watch some RF signal TV programs.	<ul style="list-style-type: none"> <li>• Channel installation 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.</li> <li>• Make sure channel installation has been completed. <b>▶▶▶ p.31</b></li> <li>• The selected channel may not be broadcasting.</li> <li>• When channel installation is interrupted and not completed, some channels will not be received. Make sure to complete the channel installation. <b>▶▶▶ p.31</b></li> <li>• The selected channel or program cannot be viewed by the parental rating or channel lock setting. <b>▶▶▶ p.32</b></li> <li>• The unit requires some kind of antenna Input. An indoor antenna (Digital or VHF/UHF), an external antenna (Digital or VHF/UHF) or an RF coaxial cable from your wall cable/satellite box needs to be plugged into the unit.</li> </ul>
How come there is no image from the connected external devices?	<ul style="list-style-type: none"> <li>• Check if the correct Input mode is selected by pressing <b>☒ SOURCE. Watching Channels from an External Device ▶▶▶ p.17</b></li> <li>• Check the antenna, cable or other Input connection to the unit.</li> <li>• 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.</li> </ul>
When I enter a channel number, why does it change automatically?	<ul style="list-style-type: none"> <li>• 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 Digital ch# 30 Automatically changes to Digital ch# 8.1)</li> </ul>
My PIN code no longer works, how can I change the Child Lock setting?	<ul style="list-style-type: none"> <li>• The PIN code will be required once you set a PIN code in <b>Child Lock</b>. <b>▶▶▶ p.32</b> When you forget your PIN code, enter 0711 in <b>Change PIN</b> to reset the PIN code. <b>▶▶▶ p.32</b></li> </ul>

## Troubleshooting

If the Unit does not perform properly when operated as instructed in this User Manual, check the following chart and all connections once before calling for service.

### Power

#### No power

- 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

#### Remote Control Buttons or Remote itself does Not Work.

- Re-insert the Batteries with their Polarities (+/-) as indicated.
- When there is an Infrared-equipped device near this Unit, it may interrupt the Remote Control Signal of this Unit.
- Make sure that Nothing is Blocking the Unit's Remote Control Sensor and the Remote Control is Pointed at this Remote Control Sensor.
- Press and Hold any Key on Remote Control toward a Digital or Cell Phone Camera. The Remote Control is working if you confirm a Flashing Infrared Light through the Camera. Some Dual Camera Cell Phones may have an IR Filter in one of the Cameras.

#### 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 or Satellite Set-top Box is Connected Correctly.
- Check whether All the Cables to the Unit are connected to the correct Output Jack on your separate Device like Blu-ray Disc / DVD Recorder.
- 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 Computer Keyboard to Wake it up.
- Check if the correct Input Mode is selected by pressing  SOURCE.

#### No Color

- Adjust **Color** in **Picture** settings.  p.25

#### Picture Poor, Sound OK.

- Electrical Interference from nearby appliances may affect Picture Quality.
- Adjust **Contrast** and **Brightness** in **Picture** Settings.  p.25
- 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 on the Unit. This may cause Noise or Trash.

#### 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

- 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.
- Channel installation 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.
- The selected Program cannot be viewed by the Child lock setting.  p.32
- The unit requires some kind of Input signal. An indoor antenna (VHF / UHF), an external antenna (VHF / UHF) or an RF coaxial cable from your wall or cable/satellite box signal (HDMI, Component+Audio or Composite [Video+Audio]) need to be connected to the unit.

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

- You must set to **Home** in **Location**.  p.29
- 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.

### 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.

#### Sound Poor, Picture OK

- Check if the Audio Cable is connected into the Unit correctly.

#### 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.

### Child 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 those 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.

### Subtitles

#### No subtitles are displayed in the subtitle-supported program.

- Make sure subtitle display setting is set to **Subtitles on**.  p.18



#### Note(s)

- 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 Manual for more Details on Correct Operations.

# 8 Information

## Glossary

### 120 PMR (Perfect Motion Rate)

120 Perfect Motion Rate creates extreme motion sharpness for clear and vibrant images in fast action movies. Movement will look smooth and natural.

### ARC (Audio Return Channel) (HDMI 1 only)

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

### Aspect ratio

The width of a TV screen relative to its height. Conventional TVs are 4:3 (in other words, the TV screen is almost square); widescreen models are 16:9 (the TV screen is almost twice as wide as its height).

### CEC (Consumer Electronics Control)

This allows you to operate the linked functions between our brand devices with CEC feature and this unit. We do not guarantee 100% interoperability with other brands of CEC compliant devices.

### Component Video

This is a video signal format that conveys each of 3 principal colors of light (red, blue and green) through different signal lines. This allows the viewers to experience picture colors as original as it is. There are several signal formats, including Y/Pb/Pr and Y/Cb/Cr.

### Dolby Digital

The system developed by Dolby Laboratories to compress Digital sound. It offers stereo sound (2ch) or multi-channel Audio.

### DTS TruSurround™

Creates an immersive, feature-rich surround sound experience from two speakers, complete with rich bass, high frequency detail and clear dialog.

### DVB-T/T2

Acronym that stands for Digital Video Broadcasting - Terrestrial and the name of Digital broadcasting standards. DVB-T2 is a second generation terrestrial which is the extension of the DVB-T.

### E-sticker

E-sticker is showing set features, technical information, etc on this TV set that is displayed on the TV screen mainly used by TV retailers. Previously the information was on a printed sticker that was put on the display.

### HDMI (High-Definition Multimedia Interface)

Interface that supports all uncompressed, Digital Audio/Video formats including set-top box, Blu-ray/DVD recorder or Digital television, over a single cable.

### HDTV (High-Definition TV)

Ultimate Digital format that produces high resolution and high picture quality.

### NTSC

Acronym that stands for National Television Systems Committee and the name of Analog broadcasting standards.

### PIN code

A stored 4-digit number that allows access to parental control features.

### SAP (Secondary Audio Program)

Second-Audio channel delivered separately from main-Audio channel. This Audio channel is used as an alternate in bilingual broadcasting.

### SDTV (Standard Definition TV)

Standard Digital format that is similar to the Analog TV picture quality.

## S/PDIF

Standard digital audio signal transmission between AV devices sending by one cable such as 2ch stereo sound, 5.1ch surround sound signals without quality deterioration.

## 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 or Cell Phone Camera to see if it is sending out an infrared signal.



e.g.) With a Digital Camera:

Point the Digital Camera towards the Remote Control infrared diode at the front of the Remote Control. Press any key on the Remote Control and look at the Camera Display. If an infrared pulsating light appears on the Display, the Remote Control is sending out an IR signal.

**Note:** Some Cameras have an IR Filter and will not Display the IR signal.

## 9 Specifications

Model #	40PFL4709C	32PFL4509C	
<b>Picture</b>			
Type	FHD (1920 × 1080 pixels 60Hz)	WXGA (1366 × 768 pixels 60Hz)	
Diagonal screen size / Aspect ratio	40.0"(101.6cm) / 16:9	31.5"(80.0cm) / 16:9	
Viewing angles	178° (V) by 178° (H)		
Built-in Digital / Analog tuner	DVB-T/T2 (Digital) / NTSC (Analog)		
Channel Coverage	VHF: 2 - 13 UHF: 14 - 69 CATV (Analog): 1 - 125		
<b>Sound</b>			
Mono / Stereo	Mono, Stereo, SAP		
Power Output (RMS watts)	8W × 2		
Equalizer	5 band		
<b>Ease of use</b>			
Picture format	SD (4:3 Source)	Automatic / Super zoom / 4:3 / Movie expand 14:9 / Movie expand 16:9 / Wide screen	
	HD (16:9 Source)	Automatic / 4:3 / Wide screen / Unscaled	Automatic / 4:3 / Wide screen / Full
	HDMI AV (4:3 Source)	Automatic / Super zoom / 4:3 / Movie expand 14:9 / Movie expand 16:9 / Wide screen	
	HDMI AV (16:9 Source)	Automatic / 4:3 / Wide screen / Unscaled	Automatic / 4:3 / Wide screen / Full
	PC Source	4:3 / Wide screen / Unscaled (Refer to HDMI AV (16:9 Source) above if PC has HDMI Output.)	
Photo Slide show	JPEG files only		
Audio playback	MP3 (.mp3), LPCM (.wav), MPEG4 AAC (.aac)		
Video playback	MPEG1 (.mpg / .mpeg), MPEG2 (.mpg / .mpeg / .vob), H.264 (.mp4)		
File System	FAT32 / FAT16		
<b>Connectivity</b>			
Component Video Input (Y/Pb/Pr)	1 Supporting video signals : 480i/p, 720p, 1080i/p @60Hz		
Composite Video Input (shared Y green terminal with Component Video)	1		
HDMI Input	3 Supporting video signals : 480i/p, 720p, 1080i @60Hz, 1080p @24/30/60Hz HDMI-ARC (HDMI 1 only)		
	PC-Input signal up to FHD (1920 × 1080)	PC-Input signal up to WXGA (1360 × 768)	
Audio L/R Input	1		
PC Input	via VGA, HDMI and HDMI-DVI + Analog Audio L/R		
USB	1		
Digital Audio Output	1 Supporting Dolby Digital		
Headphone Output	1 1/8 inch (3.5mm)		
<b>Power</b>			
Power requirements	120V~ 50/60Hz		
<b>Temperature</b>			
Operating temperature	41 °F (5 °C) to 104 °F (40 °C)		

- Specifications are Subject to Change without Prior Notice.



**P&F Mexicana, S.A. de C.V.**  
**Av. La Palma No. 6, Col. San Fernando La Herradura,**  
**Huixquilucan, Edo. de México. C.P. 52787**