

Register your product and get support at  
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**40PFL4706**



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EN **User Manual**

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FR **Manuel d'Utilisation**

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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 in the U.S.A., Canada, Puerto Rico, or the U.S. Virgin Islands, contact Philips Customer Care Center at **1-866-309-0841**
- To obtain assistance in Mexico, contact Philips Customer Care Center at **01 800 504 62 00**

Enter below the model and serial numbers located on the back and right side of the TV cabinet.

**FR:** Pour obtenir de l'aide supplémentaire, communiquez avec le centre de service à la clientèle de votre pays.

- Pour obtenir de l'aide aux États-Unis, au Canada, à Puerto Rico ou aux Îles Vierges américaines, communiquez avec le centre de service à la clientèle Philips au : **1-866-309-0841**
- Pour obtenir l'aide au Mexique, entrez en contact avec le centre de soin de client de Philips à **01 800 504 62 00**

Entrer ci dessous le modèle et le numéro de série situés derrière à droite sur le dos du téléviseur.

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

- Para obtener asistencia en los Estados Unidos, en Canadá, Puerto Rico o en las Islas Vírgenes de los Estados Unidos, comuníquese con Centro de atención al cliente de Philips al **1-866-309-0841**
- Solo para México CENTRO DE ATENCIÓN A CLIENTES LADA. **01 800 504 62 00** Solo Para México.

Escriba a continuación el modelo y número de serie que están localizados en lado derecho y parte posterior de el gabinete de el televisor.

**Lea esta manual antes de usar el producto**

To obtain a more elaborate and complete electronic copy of this manual, go to **www.philips.com/support**

MODEL NUMBER

SERIAL NUMBER

**PHILIPS**

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	License	end of book

Note: Individual menu items in the TV are dynamic and will change based on type of input media, options enabled/disabled, and some other factors such as the version of the software installed on the TV.

**Return your Product Registration Card or register online at [www.philips.com/welcome](http://www.philips.com/welcome) today to get the very most from your purchase.**

Registering your model with Philips makes you eligible for all of the valuable benefits listed below, so don't miss out. Complete and return your Product Registration Card at once, **or register online at [www.philips.com/welcome](http://www.philips.com/welcome)** to ensure:

### \*Product Safety Notification

By registering your product, you'll receive notification  
- directly from the manufacturer - in the rare case of  
a product recall or safety defect.

### \*Additional Benefits

Registering your product guarantees that you'll  
receive all of the privileges to which you're  
entitled, including special money-saving offers.

Know these  
**safety** symbols



This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.



The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

**WARNING:** To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this 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**

Visit our World Wide Web Site at <http://www.philips.com/welcome>

## CHILD SAFETY:

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

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

### THE ISSUE

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

### THIS MANUFACTURER CARES!

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



### TUNE INTO SAFETY

- One size does NOT fit all. Follow the manufacturer's recommendations for the safe installation and use of your flat panel display.
- Carefully read and understand all enclosed instructions for proper use of this product.
- Don't allow children to climb on or play with furniture and television sets.
- Don't place flat panel displays on furniture that can easily be used as steps, such as a chest of drawers.
- Remember that children can become excited while watching a program, especially on a "larger than life" flat panel display. Care should be taken to place or install the display where it cannot be pushed, pulled over, or knocked down.
- Care should be taken to route all cords and cables connected to the flat panel display so that they cannot be pulled or grabbed by curious children.




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

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

 **CEA**  
Consumer Electronics Association  
[www.CEA.org/safety](http://www.CEA.org/safety)

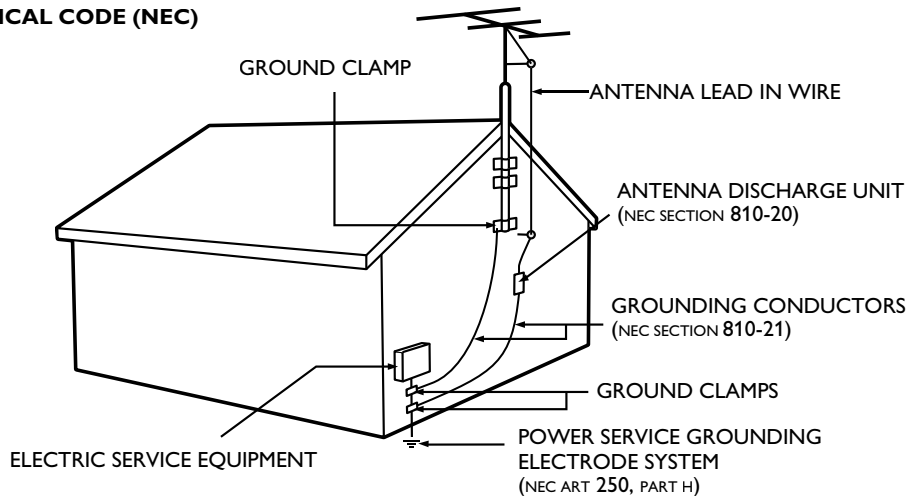
# IMPORTANT SAFETY INSTRUCTIONS

## Read before operating equipment

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 a dry cloth.
7. Do not block any of the 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 third grounding prong. The wide blade or third prong are provided for your safety. When 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 a 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 apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This product may contain lead. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: [www.eiae.org](http://www.eiae.org).
16. **Damage Requiring Service** - The appliance should be serviced by qualified service personnel when:
  - A. The power supply cord or the plug has been damaged; or
  - B. Objects have fallen, or liquid has been spilled into the appliance; or

- C. The appliance has been exposed to rain; or
  - D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
  - E. The appliance has been dropped, or the enclosure damaged.
- 17. Tilt/Stability** - All televisions must comply with recommended international global safety standards for tilt and stability properties of its cabinets design.
- Do not compromise these design standards by applying excessive pull force to the front, or top, of the cabinet which could ultimately overturn the product.
  - Also, do not endanger yourself, or children, by placing electronic equipment/toys on the top of the cabinet. Such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.
- 18. Wall or Ceiling Mounting** - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
- 19. Power Lines** - An outdoor antenna should be located away from power lines.
- 20. Outdoor Antenna Grounding** - If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electric Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mats and supporting structure grounding of the lead-in wire to an antenna-discharge unit, size of grounding connectors, location of antenna-discharge unit, connection to grounding electrodes and requirements for the grounding electrode. See Figure below.
- 21. Objects and Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
- a) Warning: To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases should not be placed on this apparatus.
- 22. Battery Usage CAUTION** - To prevent battery leakage that may result in bodily injury, property damage, or damage to the unit:
- Install all batteries correctly, with + and - alignment as marked on the unit.
  - Do not mix batteries (old and new or carbon and alkaline, etc.)
  - Remove batteries when the unit is not used for a long time.

### EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE (NEC)



**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.

# 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. Philips warrants that the material itself does not infringe any United States patents. No further warranty is expressed or implied.

Philips cannot be held responsible neither for any errors in the content of this document nor for any problems as a result of the content in this document. Errors reported to Philips will be adapted and published on the Philips support website as soon as possible.

## 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.

## Warranty

No components are user serviceable. Do not open or remove covers to the inside of the product. Repairs may only be done by Philips 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.

## Federal Communications Commission Notice

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

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

## Declaration of Conformity

**Trade Name:** PHILIPS  
**Responsible Party:** P&F USA, Inc.  
**Model:** 40PFL4706  
**Address:** PO Box 430 Daleville, IN  
 47334-0430 U.S.A.  
**Telephone Number:** 1-866-309-0841

## Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Philips Consumer Electronics may void the user's authority to operate the equipment.

## Cables

Connections to this device must be made with shielded cables with metallic RFI/EMI connector hoods to maintain compliance with FCC Rules and Regulations.

## Canadian notice

Standard Television Receiving Apparatus, Canada BETS-7/NTMR-7.

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

**FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.**

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## Country Code Statement

For product available in the USA market, only channel 1~11 can be operated. Selection of other channels is not possible.

To maintain compliance with FCC RF exposure requirements, use only belt-clips, holsters or similar accessories that do not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

## FCC Radiation Exposure Statement

This equipment is compliance with SAR for general population/uncontrolled exposure limits in ANSI/IEEE C95.1-1999 and had been tested in accordance with the measurement methods and procedures specified in OET Bulletin 65 Supplement C. This equipment should be installed and operated with minimum distance 2.5cm between the radiator & your body.

## Copyright

All other registered and unregistered trademarks are the property of their respective owners.



ENERGY STAR® is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy helping us all save money and protect the environment through energy efficient products and practices.

## Consumer Notice:

This TV has been set to maximize energy efficiency while delivering the best possible picture using the factory installed home mode settings.

Changing or enabling other features in this TV (e.g. brightened backlighting) will possibly increase energy consumption beyond the original ENERGY STAR® qualified limits.



SRS TruSurround HD™ creates an immersive, feature-rich surround sound experience from two speakers, complete with rich bass, high frequency detail and clear dialog.

SRS® is a trademark of SRS Labs, Inc. TruSurround HD technology is incorporated under license from SRS Labs, Inc.



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## BLOCKBUSTER®

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**internet radio**



Twitter is a trademark of Twitter, Inc.



vTuner is a trademark of Nothing Else Matters Software, Ltd.



VESA, FDMI and the VESA Mounting Compliant logo are trademarks of the Video Electronics Standards Association.



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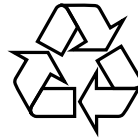


Portions of this software are copyright © The FreeType Project ([www.freetype.org](http://www.freetype.org)).

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

## 2 Important

### Environmental care



The packaging of this product is intended to be recycled. Contact your local authorities for information about how to recycle the packaging.

### End of life directives



Philips pays a lot of attention to produce environment-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



#### Warning

To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture. Objects filled with liquids, such as vases, should not be placed on this apparatus.



#### Caution

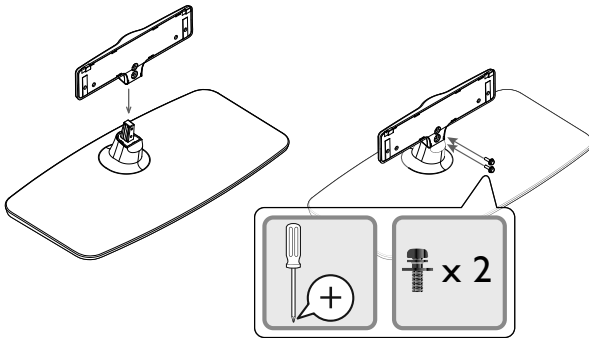
To prevent electric shock, match the wide blade of the plug to the wide slot, fully inserted.

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.

## 3 Get started

### Stand assembly



#### Note

- To wall mount the TV, refer to the Quick Start Guide.
- If you lose the stand mounting screws, please purchase 4 Phillips head screws (M4×14) at your local store.

### Positioning the TV



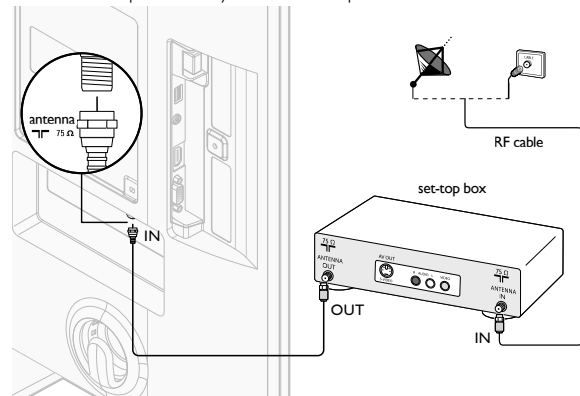
#### Warning

- Do not insert the AC power cord into the power socket outlet before all the connections are made.
- Large screen TVs are heavy, 2 people are required to carry and handle a large screen TV.
- Before you move the TV, disconnect attached cables to prevent damage to connectors.

### Connecting the antenna or cable

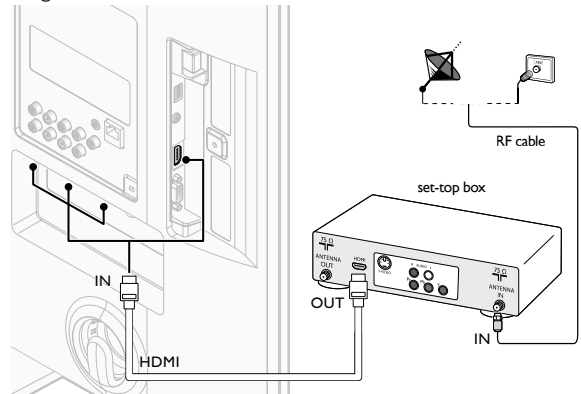
#### If you connect a set-top box through RF IN/OUT

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



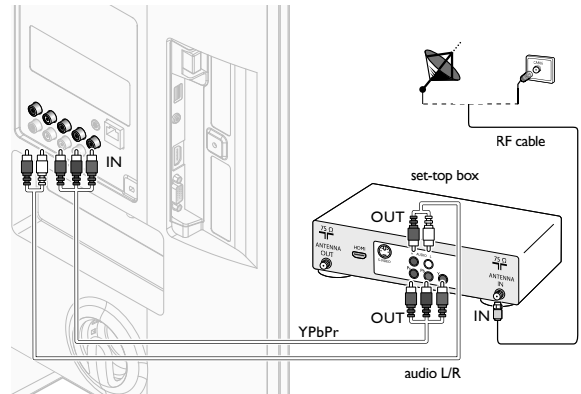
#### If you connect a set-top box through HDMI

If the TV is connected to a cable box or satellite set-top box via HDMI, make sure you select the correct HDMI source by using **SOURCE** on this unit's remote control.

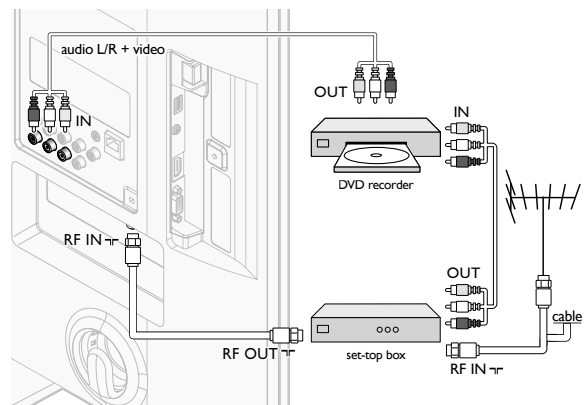


#### If you connect a set-top box through component video input

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** on this unit's remote control.



### Connecting a set-top box, 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

- Only the left loudspeaker reproduces sound for mono equipment. Use a mono to stereo adapter (not supplied) for sound reproduction via all internal loudspeakers.
- When you connect cables, match the cable colors to the connectors on the TV.

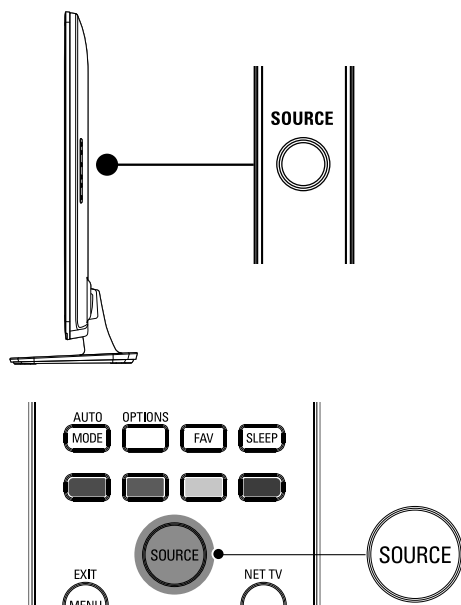
## 4 Use your TV

### Watching channels from a set-top box

To watch channels from a set-top box

- 1 Switch on the set-top box.
  - ➔ The picture from your set-top box might appear automatically on the TV screen.
- 2 Use the remote control of your set-top box to select channels.

If the picture does not appear



- 1 Press **SOURCE** repeatedly to select the set-top box and wait a few seconds for the picture to appear.
- 2 Use the remote control of your set-top box to select channels.

### Watching connected devices

To watch connected devices

- 1 Switch on the connected device.
  - ➔ The picture from your connected device might appear automatically on the TV screen.
- 2 Use the remote control of the device to select channels.

If the picture does not appear

- 1 Press **SOURCE** repeatedly to select the connected device and wait a few seconds for the picture to appear.
- 2 Use the remote control of the device to select channels.

## 5 Use more of your TV


### Philips Wireless MediaConnect

You can enjoy your TV as a PC monitor wirelessly using your home network. Make sure you download the Philips Wireless MediaConnect software and install it on your PC before you perform the steps below.

#### Install Philips Wireless MediaConnect

- 1 Press **MENU** on the remote control and then use **▲/▼/◀/▶** to select **[Setup] > [Software] > [MediaConnect code]**.
  - Write down the 12-digit code displayed on the screen. You will need this to download MediaConnect software.
- 2 Start your internet browser on your PC and open the Philips Wireless MediaConnect download page at [www.wifimediaconnect.philips.com/](http://www.wifimediaconnect.philips.com/). On the website, you can check the necessary PC system requirements.
- 3 Enter the 12 digit code you wrote at step 1.
- 4 Click the 'Download now' button to download the free Philips Wireless MediaConnect software.
- 5 Once downloaded, start the file "Philips Wireless MediaConnect\_setup.exe". Follow the instructions on the screen to complete software installation.

#### Using Philips Wireless MediaConnect

- 1 Launch Philips Wireless MediaConnect on your PC first.
  - Select "Start projecting" with right click on the  in the system tray.
  - The start up screen for Philips Wireless MediaConnect will be displayed and the unit searches for an available PC that is running Philips Wireless MediaConnect software.

Once connected, the Philips Wireless MediaConnect software will encode and stream the screen of your PC as a video along with audio.

Depending on your computer and network configuration, there will be a delay between your PC screen and the TV but the audio-video will always be in sync.

#### Philips Wireless MediaConnect Help

To read the Philips Wireless MediaConnect Help, right click the program icon in the notification tray of the PC and select Help.

#### Specifics

You can project high definition (HD) or standard definition (SD) video, depending on the processing power of your PC. For smooth playback of HD video, please use a hardware accelerated video player on your computer. A hardware accelerated video player uses the graphics adapter of your PC to render HD video rather than the processor. This frees up the processor for Philips Wireless MediaConnect video encoding. The content protection on most DVD or Blu-ray Disc movies might restrict watching the movie on TV when the disc is playing on a PC. The TV shows PC media files with a small delay. Philips Wireless MediaConnect is only available for PC.

## PC requirements

Windows XP, Windows Vista, Windows 7 (PC only)

### Minimum PC requirements

- Intel Core 2 Duo 1.8GHz
- 512MB RAM
- IEEE 802.11n

### Recommended PC requirements

- Intel Core 2 Duo 2.1GHz
- 1GB RAM

## Information on Network Services

For detailed information on 3rd party Internet services, please visit the service providers website:

Netflix : <http://www.netflix.com/HowItWorks>

Film Fresh : <http://filmfresh.roxionow.com/>

Blockbuster : <http://www.blockbuster.com>

Vudu : [http://www.vudu.com/product\\_overview.html](http://www.vudu.com/product_overview.html)

## Net TV

Net TV offers Internet services for your TV. Use the TV remote control to browse the Net TV Internet pages. You can play movies, listen to music and much more, all from your TV screen.

- Because Net TV is an online system, it can be modified over time to better serve its purpose.
- Some Net TV services can be added, changed or stopped after some time.
- You cannot download and save files or install plug-ins.

## Before Logging in to Net TV

Follow the procedure below before logging in to Net TV.

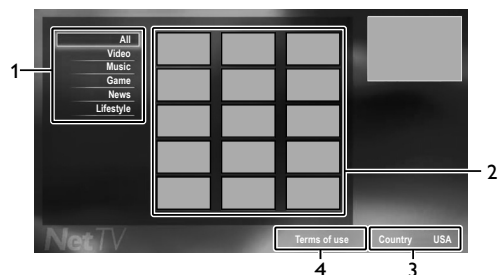
- 1 Connect this unit to the internet.
- 2 Set up the necessary network connection settings. (See 'Network' on page 14.)

## Logging in to Net TV

- 1 Press **NET TV** on the remote control.
  - Net TV screen will appear.
  - For the first time only, **[Philips Terms of Use Internet Enabled product]** screen will appear. After confirming the content, use **◀/▶** to select **[Agree]**, then press **OK**.

## Guide to Net TV menu screen

### Net TV Start Screen



- 1 Sorting items : Categorizes genre of each services.
- 2 Most viewed : Displays services in most viewed time.
- 3 Country : Selects what country you live.
- 4 Terms of Use : Displays a clause of net service.

## Pandora operations

With this unit, You can instantly listen to personalized radio stations streamed over the Internet from Pandora.

To learn more about Pandora, please visit [www.pandora.com](http://www.pandora.com)

## Activating Pandora

In order to listen to Internet radio streamed from Pandora via the Internet, you must create a Pandora account and activate this unit.

- 1 Press **NET TV** on the remote control and then use **▲/▼/◀/▶** to select **[PANDORA] > [Create new account]**.
- 2 Use **▲/▼** to select **[No, I am new to Pandora.]**, then press **OK**.
- 3 Note the activation code and website address displayed on the TV screen.
- 4 On your PC, visit the website address noted at step 3.
- 5 Follow directions on the website to create your account.
- 6 On this unit, select **[Continue]** and press **OK** to complete activation.

## Using Twitter

You can view your Twitter feeds and more using the Twitter application on this unit.

- For more details about Twitter, please visit [www.twitter.com](http://www.twitter.com)

### Logging in to Twitter

After you set up the network connection, you must log in with your Twitter account.

Make sure the unit is not in network service or Browse USB mode.

- 1 Press **NET TV** on the remote control and then use **▲/▼/◀/▶** to select **[Twitter]**.
  - Login screen will appear.
- 2 Use **▲/▼** to select **[Username]**, then press **OK**.
  - Software keyboard will appear.

Keys on the keyboard	Action
Characters	Select each one of characters from the list.
Clear	Delete the last character in the entry field.
All clear	Delete all characters in the entry field.
a/A/@	Switch case and symbols.
Cancel	Cancel the input.
OK	Determine the input Username and/or Password.

- 3 Use **▲/▼/◀/▶** to input your **[Username]** and **[Password]** into the entry fields. Select **[OK]** after you have filled in all the necessary items in the entry field, then press **OK**.
  - Password can be skipped next time onwards once you have selected **[Remember me]** when registering the user name.
  - Software keyboard will disappear.
- 4 Use **▲/▼/◀/▶** to select **[Start]**, then press **OK**.
  - The unit will now establish a connection with the Twitter server and perform authentication.
- 5 When the unit is logged in successfully, Twitter **[Home]** menu will appear at the left and the timeline will appear at the bottom of the TV screen.

#### Note

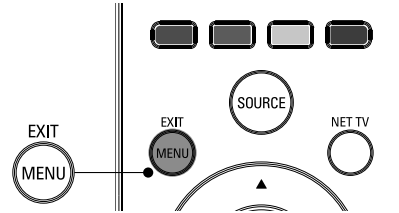
- User name and password are case-sensitive.
- User name will not accept your e-mail account. Use only your user name registered on the Twitter server.
- If you select **[Start]** with no user name, the unit logs in as 'Public'. In this case you can display 'Public timeline' and 'Trends' only.
- For questions regarding Twitter, please visit [www.twitter.com](http://www.twitter.com)

## Changing picture and sound settings

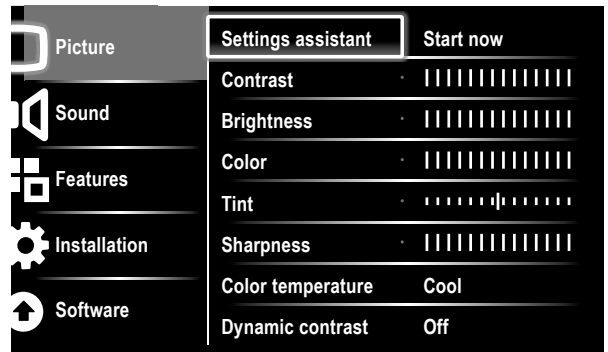
You must set **[Home]** in **[Location]**. (Refer to page 14.)

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

### Changing picture settings



- 1 Press **MENU** on the remote control.
- 2 Use **▲/▼/◀/▶** to select **[Setup] > [Picture]**.



- 3 Use **▲/▼/◀/▶** to select one of the picture settings, and press **OK** to enter the setting.
- 4 Adjust the picture quality.  
The following picture settings can be configured.  
Depending on the format of the picture source, some picture settings are not available.

Setting items		Description
Settings assistant		Use <b>[Settings assistant]</b> to guide you through the best picture and sound settings.
Contrast		Adjusts the intensity of bright areas, keeping dark areas unchanged.
Brightness		Adjusts the intensity and details of dark areas.
Color		Adjusts color intensity.
Tint		Adjusts the color balance in an image.
Sharpness		Adjusts the level of sharpness in image details.
Color temperature	Cool	More blue tones.
	Normal	Standard tones.
	Warm	More orange tones.
Dynamic contrast	Off	Sets Dynamic contrast to off.
	On	Automatically enhances contrast in an image.
Noise reduction	Off	Sets Noise reduction to off.
	On	Reduces noise in an image.

Setting items		Description
MPEG artifact reduction	Off	Sets MPEG artifact reduction to off.
	On	Reduces a blockiness and a blurriness and judder by digital filter.
Color enhancement	Off	Sets Color enhancement to off.
	On	Makes colors more vivid bright colors.
Active control	Off	Sets Active control to off.
	On with Light Sensor	Adjusts backlight for the best picture quality by dynamically adjusting the backlight intensity in accordance with lighting condition in the room.
	On without Light Sensor	Adjusts backlight for best picture quality based on the incoming video signal.
Picture format	Automatic	Refer to 'Summary of picture formats' on page 11.
	Super zoom	
	4:3	
	Movie expand 14:9	
	Movie expand 16:9	
	Wide screen	
	Unscaled	
Mode selection	PC	Turns off image enhancement features which makes the TV to act purely as a monitor.
	HDTV	Enables image enhancement features to improve picture quality.
Auto adjustment		The horizontal/vertical position, clock and phase of the PC screen are automatically adjusted.
Clock		Setting to stabilize the PC screen.
Phase		Setting to improve the clarity of the PC screen.
Horizontal shift		Adjusts the horizontal position of the picture for PC screen.
Vertical shift		Adjusts the vertical position of the picture for PC screen.

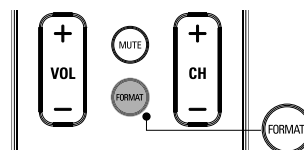
5 Press **MENU** to exit.

#### Note

- **[Mode selection]** will not be displayed when incoming signals are other than 720x480p 60Hz, 1280x720p 60Hz and 1920x1080p 24/30/60Hz.

## Changing picture format

1 Press **FORMAT** on the remote control.

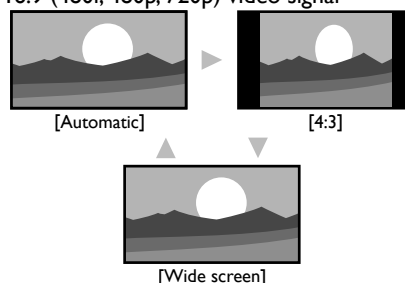


2 Use **▲/▼** to select a picture format and press **OK** to confirm your choice.

## Summary of picture formats

Display modes can be selected when the broadcasting station is sending 16:9 or 4:3 video signal. And 3 types of display modes can be selected for PC input signal.

For 16:9 (480i, 480p, 720p) video signal



### Automatic

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.

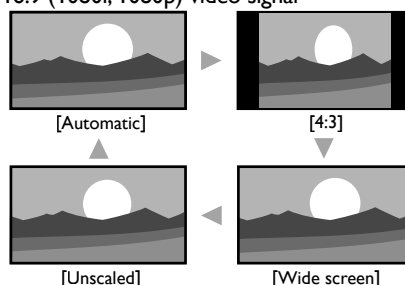
### 4:3

Display a 16:9 picture at a 4:3 size; the picture is shortened horizontally. Sidebars appear on both edges of the screen.

### Wide screen

Display a 16:9 picture that is stretched horizontally and vertically.

For 16:9 (1080i, 1080p) video signal



### Automatic

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.

### 4:3

Display a 16:9 picture at a 4:3 size; the picture is shortened horizontally. Sidebars appear on both edges of the screen.

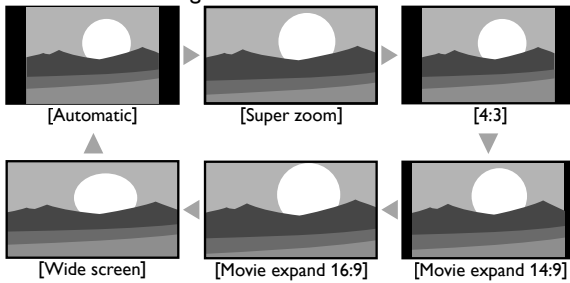
### Wide screen

Display a 16:9 picture that is stretched horizontally and vertically.

### Unscaled

Display a 16:9 picture at its original size.

#### For 4:3 video signal



##### Automatic

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.

##### Super zoom

Display 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.

##### 4:3

Display a 4:3 picture at its original size. Sidebars appear on both edges of the screen.

##### Movie expand 14:9

Display 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.

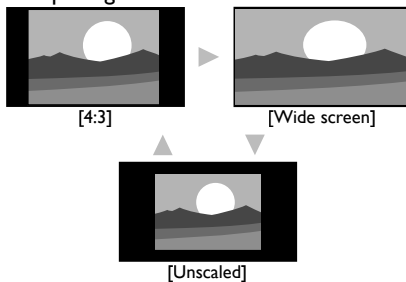
##### Movie expand 16:9

Display 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.

##### Wide screen

Display a picture that is stretched out of proportion to fill the screen.

#### For PC input signal



##### 4:3

Display a proportionately stretched picture. Sidebars appear on both edges of the screen.

##### Wide screen

Display a picture that is stretched out of proportion to fill the screen.

##### Unscaled

Display a picture in its original size.



#### Note

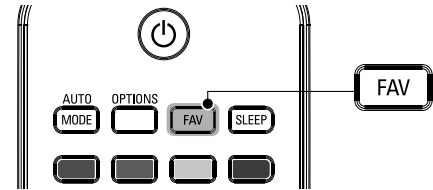
- Even if you select either **[Automatic]** or **[Wide screen]** in 16:9 video signal, sidebars appear when the broadcasting station is transmitting up-converted 4:3 analog video signal to be visible by digital broadcasting.

## Create and use lists of favorite channels

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

### Select a list of favorite channels

- 1 Press **FAV** on the remote control.



↳ Your lists of favorite channels are displayed.

- 2 Use **▲/▼** to highlight a list, and then press **OK** to select the list.

### Create or edit a list of favorite channels

- 1 Press **FAV** on the remote control to display your lists of favorite channels.
- 2 Use **▲/▼** to highlight a list, and then press **OK** to select the list.
- 3 Press **OPTIONS** to enter edit mode.
 

↳ A list of channels is shown.
- 4 Use **▲/▼** to highlight a channel.
- 5 Press **OK** to select or deselect the highlighted channel.
 

↳ The channel is added to or removed from the list of favorite channels.

### Switch to one of the channels on a list

- 1 Press **OK** on the remote control to display the last list that you selected.
- 2 Use **▲/▼** to highlight a channel.
- 3 Press **OK** to select the channel.
 

↳ The TV switches to that channel.



#### Tip

- Press **CH +/-** to select channels in a list or press the numeric keys to select channels that are not in a list.

## Closed caption

Closed captioning is an assistive technology that allows persons with hearing disabilities to access television programming. Closed captioning displays the audio portion of programming as text superimposed over the video.

### Note

- Closed captioning service may not be controlled by this unit's menu options if you are watching television through an external cable or satellite set top box. In which case you will need to use the menu options on the external set top box to control Closed Captioning.
- The captions do not always use correct spelling and grammar. Not all TV programs and product commercials include closed caption information. Refer to your area TV program listings for the TV channels and times of closed caption shows. The captioned programs are usually noted in the TV listings with service marks such as [CC].

## Display captions

- 1 Press **MENU** on the remote control and then use **▲/▼/◀/▶** to select **[Setup] > [Features] > [Caption settings] > [Closed captions]**.
- 2 Press **▲/▼** to select **[On]**, **[Off]** or **[On during mute]**, and press **OK** to confirm your choice.
- 3 Press **MENU** to exit.

### DTV

## Selecting DTV caption services

- 1 Select a caption service for digital channels:
  - Press **MENU** on the remote control and then use **▲/▼/◀/▶** to select **[Setup] > [Features] > [Caption settings] > [Digital caption service]**.
  - Use **▲/▼** to select one of the listed caption services, and then press **OK** to confirm your choice.

CS-1 to CS-6	Select one of these before changing any other item in <b>[Caption settings]</b> menu. Choose <b>[CS-1]</b> under normal circumstances.
--------------	--

- 2 Press **MENU** to exit.

## Selecting how captions are displayed

You can choose the size, font, color, background and other characteristics of the caption text.

- 1 Press **MENU** on the remote control and then use **▲/▼/◀/▶** to select **[Setup] > [Features] > [Caption settings] > [Digital caption options]**.
- 2 Use **▲/▼** to highlight an option for digital captions, and press **OK** to select the option.
- 3 Use **▲/▼** to highlight a setting for the option, and press **OK** to confirm your choice.
- 4 Press **MENU** to exit.

## Difficulties viewing closed captions on DTV programming

If you have difficulties viewing closed captions on DTV programming, including HDTV, received from your subscription television provider; you should:

- consult any consumer information and manuals/guides on closed captions for DTV programming provided by your subscription television provider;
- ensure that the captioning function on your set-top box, if applicable, is turned on; and,
- ensure that the captioning function on your DTV is turned on.

If you are still unable to view closed captions on DTV programming, you should contact your subscription television provider for assistance.

### TV

## Selecting caption services

- 1 Select a caption service for analog channels:
  - Press **MENU** on the remote control and then use **▲/▼/◀/▶** to select **[Setup] > [Features] > [Caption settings] > [Caption service]**.
  - Use **▲/▼** to select one of the listed caption services, and press **OK** to confirm your choice.
- 2 Press **MENU** to exit.

### Note

- Not all caption services are used by a TV channel during the transmission of a closed caption program.

## Summary of caption services

Service	Description
CC-1 and T-1;	are the primary caption and text services. The captioning or text is displayed in the same language as the program's dialogue (up to 4 lines of script on the TV screen, where it does not obstruct relevant parts of the picture).
CC-3 and T-3;	serve as the preferred data channels. The captioning or text is often a secondary language.
CC-2, CC-4, T-2 and T-4;	are rarely available and broadcasters use them only in special conditions, such as when <b>[CC-1]</b> and <b>[CC-3]</b> or <b>[T-1]</b> and <b>[T-3]</b> are not available. <ul style="list-style-type: none"> <li>• There are 3 display modes according to programs:               <p><b>Paint-on mode:</b> Displays input characters on the TV screen immediately.</p> <p><b>Pop-on mode:</b> Once characters are stored in memory, they are displayed all at once.</p> <p><b>Roll-up mode:</b> Displays the characters continuously by scrolling (max. 4 lines).</p> </li> </ul>

## Set your location to home

You can set the location of your TV to **[Home]** or **[Retail store]**. Choosing **[Home]** gives you full flexibility to change predefined settings for picture and sound.

- 1 Press **MENU** on the remote control and then use **▲/▼/◀/▶** to select **[Setup] > [Installation] > [Preferences] > [Location]**.
- 2 Select **[Home]** and then press **OK** to confirm your choice.
- 3 Press **MENU** to exit.

### Note

- You must set **[Home]**. Otherwise, personalized picture and sound settings will not be memorized after the unit goes to standby mode.

## Network

Set up network connection settings in order to use Net TV or network update function.

### Network setting assistant

Before you proceed to **[Connection test]** or other settings in **[Network]** section, set this selection to suit your preference.

#### Wireless setting

Select to use a wireless LAN to connect to the internet by wireless connection.

- 1 Press **MENU** on the remote control and then use **▲/▼/◀/▶** to select **[Setup] > [Installation] > [Network] > [Network setting assistant] > [Wireless]**.
- 2 Use **▲/▼** to select a setting and then press **OK**.

Setting items	Description
Easy Connect	Select this setting if your router has a Wi-Fi Protected Setup (WPS) button. Start scanning for wireless networks on the TV after pressing the WPS button on your router. If connection test fails, refer to the router's manual for more details.
Scan	Search for wireless networks automatically and select the wireless network name (SSID) from the list. see 'Wireless network setting (Auto)' on page 14.
Manual entry	Set up the connection to the Wireless LAN Access Point (AP) (e.g. wireless router) manually by entering the wireless network name (SSID).

- 3 Press **MENU** to exit.

#### Wired setting

Select to use an Ethernet cable to connect to the internet by wired connection. Please purchase shielded Ethernet cables at your local store and use them when you connect to network equipment.

- 1 Press **MENU** on the remote control and then use **▲/▼/◀/▶** to select **[Setup] > [Installation] > [Network] > [Network setting assistant] > [Wireless]**.
- 2 Use **▲/▼** to select a setting and then press **OK**. Connection test will start automatically. (See 'Connection test' on page 14.)
- 3 Press **MENU** to exit.

### Network selection

- 1 Press **MENU** on the remote control and then use **▲/▼/◀/▶** to select **[Setup] > [Installation] > [Network] > [Manual network settings] > [Network selection]**.
- 2 Use **▲/▼** to select a setting and then press **OK**.

Setting items	Description
Wireless	Select to use a wireless LAN to connect to the internet by wireless connection.
Wired	Select to use an Ethernet cable to connect to the internet by wired connection.

- 3 Press **MENU** to exit.

### Connection test

Perform the following steps to test your internet connection after you have connected an Ethernet cable or entered network settings such as IP address, DNS settings, etc. manually.

- 1 Press **MENU** on the remote control and then use **▲/▼/◀/▶** to select **[Setup] > [Installation] > [Network] > [Connection test]**.  
Connection test will start automatically and the test result will appear right after the connection test finishes.
  - **[Testing...]**: The test is in progress.
  - **[Pass]**: Connection test is successfully completed.
  - **[Fail]**: Connection test failed. Check the connection settings.

Press **OK** to go to the list of network status confirmation screen.

- 2 Press **MENU** to exit.

### Note

- If the connection test passes, you are ready to use Net TV or network update function using the internet without making any additional settings.
- If the connection test fails, check if the Ethernet cable is connected to this TV properly or if you have entered all the required details for the wireless LAN connection properly.

### Wireless network

This menu is displayed only when you set **[Wireless]** in **[Network selection]**.

In order to use a wireless network, you must set up a connection to the Wireless LAN Access Point (AP) (e.g. wireless router).

## Wireless network setting (Auto)

Search for wireless networks automatically and select the wireless network name (SSID) from the list.

- 1 Press **MENU** on the remote control and then use **▲/▼/◀/▶** to select **[Setup] > [Installation] > [Network] > [Manual network settings] > [Wireless network setting] > [Auto]**.
  - This unit will start searching for wireless networks automatically.
- 2 The list of wireless networks will be displayed. Use **▲/▼** to select the appropriate wireless network name (SSID), then press **OK**.
  - If you select the wireless network name (SSID) with **WEP/WPA** Key entry screen will appear. Enter the WEP/WPA key of the selected wireless network using **▲/▼/◀/▶**, then press **OK**.  
**[Clear]** : Clear the entered number or word.  
**[All clear]** : Clear all the entered numbers or words.  
**[a/A/@]** : Switch between abc, ABC and @!?  
**[Cancel]** : Shows the cancellation display.  
**[OK]** : Set the entered number or word.
  - If you select the wireless network name (SSID) has Wi-Fi protected Setup (WPS), WPS setting screen will appear. Use **▲/▼/◀/▶** to select a setting and then press **OK**.

Setting items	Description
Easy Connect	Select this setting if your router has a Wi-Fi Protected Setup (WPS) button. Start scanning for wireless networks on the TV after pressing the WPS button on your router. If connection test fails, refer to the router's manual for more details.
PIN code	Select this setting if your router has Wi-Fi Protected Setup (WPS) but does not have a WPS button. Enter the 8-digit WPS PIN code shown on your TV in the router settings menu via PC before <b>[Connect]</b> is selected.
Manual	If your wireless network with authentication setting (WEP/WPA-PSK or WPA2-PSK), WEP/WPA Key entry screen will appear. Enter the WEP/WPA key of the selected wireless network using <b>▲/▼/◀/▶</b> , then press <b>OK</b> . <b>[Clear]</b> : Clear the entered number or word. <b>[All clear]</b> : Clear all the entered numbers or words. <b>[a/A/@]</b> : Switch between abc, ABC and @!? <b>[Cancel]</b> : Shows the cancellation display. <b>[OK]</b> : Set the entered number or word.

- Confirmation message will appear. Select **[Yes]** to complete the settings.

- 3 Press **MENU** to exit.

### Note

- For a wireless network with authentication setting, key icon appears to the right hand of the wireless network name (SSID).
- Signal icon shows the strength of the signal.
- WEP/WPA key appears as asterisks on the confirmation screen.
- The wireless LAN supports following specifications.
  - Wireless standards : IEEE 802.11 b/g/n
  - Frequency spectrum : 2.4GHz
  - Security protocol : WEP/WPA/WPA2

## View photos and play music, and watch videos on a USB storage device



### Caution

- This unit accepts USB flash memory only. Other storage devices such as external HDD by USB bus power will not work.
- Philips is not responsible if the USB storage device is not supported nor is it responsible for damage or loss of data from the device.

Your TV is fitted with a USB connection that enables you to view photos or listen to music stored on a USB storage device.

Supported formats	Not-supported formats
MP3	File name exceeding 256 characters
JPEG	Progressive JPEG files
FAT/DOS-formatted memory devices	File names containing a dot character

It is recommended that files to be played back in this unit are recorded under the following specifications:

### <MP3>

- Sampling frequency : 32kHz or 44.1kHz or 48kHz
- Constant bit rate : 32kbps - 320kbps

### <JPEG>

- Upper limit : 16Mpixel

### <MPEG>

- Playable codec : MPEG1, MPEG2
- Maximum size of a video : 1920×1080
- Audio type : AC3, MPEG1 audio layer 3 (MP3), MPEG1 audio layer 2, LPCM



### Note

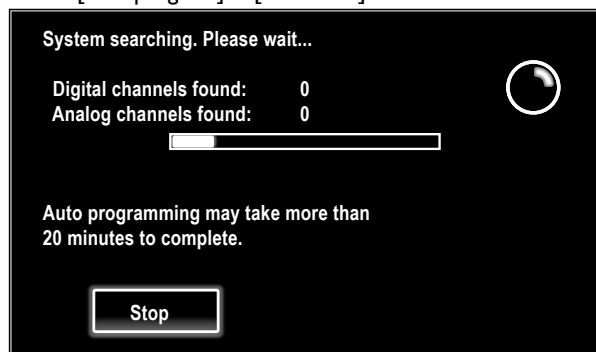
- A maximum of 1,023 folders or files can be recognized.
- Philips can not be held responsible if your USB storage device is not supported, nor will Philips accept any liability for damage or loss of stored data.
- The USB storage device is not supplied with the TV.
- Do not use an extension cord and USB Hub to connect devices to this unit. Always insert the USB flash memory in to this unit directly.

## 6 Install channels

### Autoprogram

If you switch wires (e.g., between antenna and CATV) or if you move the unit to a different area after the initial setting, you will need to perform autoprogram.

- 1 Press **MENU** on the remote control and then use **▲/▼/◀/▶** to select **[Setup] > [Installation] > [Channels] > [Autoprogram] > [Start now]**.



- 2 Press **OK** to start the installation.  
If you run **[Autoprogram]** when you have locked channels, a message appears asking to enter your PIN. Enter your PIN in order to complete the installation.
  - When autoprogramming is complete, the lowest memorized channel will be displayed.
- 3 Follow the on-screen instructions to complete the installation.

### Return your settings to default values

When you return picture and sound settings to their default values the channel installation settings are not affected.

- 1 Press **MENU** on the remote control and then use **▲/▼/◀/▶** to select **[Setup] > [Installation] > [Reset AV settings] > [Start now]**.
- 2 Press **OK** to reset the picture and sound settings.
- 3 Press **MENU** to exit.

## 7 Troubleshooting

### Downloading an electronic copy

To obtain a more elaborate and complete electronic copy of this manual:

- 1 Point your browser to [www.philips.com/support](http://www.philips.com/support)
- 2 Choose your country of location.
- 3 Enter the model number or a keyword in the "Find your product" field. Alternatively, you can browse the catalog.
- 4 Click the description or model.
- 5 Under Product support, click "User manuals".

### Contact us

If you cannot resolve your problem, refer to the FAQ for this TV at [www.philips.com/support](http://www.philips.com/support)

If the problem remains unresolved, contact the Customer Support Center in your country.



#### Warning

- Do not attempt to repair the TV yourself. This may cause severe injury, irreparable damage to your TV or void your warranty.



#### Note

- Please have available your TV model and serial number before contacting us. These numbers are available on the back and side of your TV, as well as on the packaging.

## 8 Specifications



### Note

- Specifications are subject to change without prior notice.

### Picture enhancement

Type:	1080p 60Hz
Aspect ratio:	16:9
Viewing angles:	178° (V) by 178° (H)
Built-in digital tuner:	ATSC/QAM

### Sound enhancement

Mono / Stereo:	Mono, Stereo, SRS TruSurround HD
Power output (RMS watts):	20 W
Equalizer:	5 band

### Ease of use

Video modes:	Automatic, 4:3, Movie Expand 14:9, Movie Expand 16:9, Super Zoom, Wide Screen, Unscaled
PC input:	via VGA, HDMI
Photo slide show:	Yes (jpeg files only)
MP3 playback:	Yes (mp3 files only)
Video playback:	Yes (MPEG1/2)

### Connections

Component video input with audio L/R:	1 Supporting video signals: 480i/p, 720p, 1080i 60Hz, 1080p 24/30/60Hz
Composite video input with audio L/R:	1
HDMI:	4 Supporting video signals: 480i/p, 720p, 1080i 60Hz, 1080p 24/30/60Hz PC input: up to 1920x1080 60Hz HDMI ARC (HDMI 1 only)
3.5mm stereo miniplug shared use for HDMI 4 and PC input:	1
PC input:	1 up to 1920x1080 60Hz
Digital audio output:	1 Supporting Dolby Digital and PCM
USB:	1
Wireless LAN:	Supporting wireless standards: IEEE 802.11 b/g/n (2.4GHz)
Ethernet port:	1

### Power

Power requirements:	120V~ AC +/- 10%, 60Hz +/- 0.5%
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# 9 Warranty

## LIMITED WARRANTY ONE (1) YEAR

### WARRANTY COVERAGE:

This warranty obligation is limited to the terms as set forth below.

### WHO IS COVERED:

This product warranty is issued to the original purchaser or the person receiving the product as a gift against defects in materials and workmanship as based on the date of original purchase ("Warranty Period") from an Authorized Dealer. The original sales receipt showing the product name and the purchase date from an authorized retailer is considered such proof.

### WHAT IS COVERED:

This warranty covers new products if a defect in material or workmanship occurs and a valid claim is received within the Warranty Period. At its option, the company will either (1) repair the product at no charge, using new or refurbished replacement parts, or (2) exchange the product with a product that is new or which has been manufactured from new, or serviceable used parts and is at least functionally equivalent or most comparable to the original product in current inventory, or (3) refund the original purchase price of the product.

Replacement products or parts provided under this warranty are covered against defects in materials and workmanship from the date of the replacement or repair for ninety (90) days or for the remaining portion of the original product's warranty, whichever provides longer coverage for you. When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes company property. When a refund is given, your product becomes company property.

Note: Any product sold and identified as refurbished or renewed carries a ninety (90) day limited warranty.

Replacement product can only be sent if all warranty requirements are met. Failure to follow all requirements can result in delay.

### WHAT IS NOT COVERED - EXCLUSIONS AND LIMITATIONS:

This Limited Warranty applies only to new company manufactured products that can be identified by the trademark, trade name, or logo affixed to it. This Limited Warranty does not apply to any hardware product or any software, even if packaged or sold with the product, as manufacturers, suppliers, or publishers may provide a separate warranty for their own products packaged with the bundled product.

The company is not liable for any damage to or loss of any programs, data, or other information stored on any media contained within the product, or other additional product or part not covered by this warranty. Recovery or reinstallation of programs, data or other information is not covered under this Limited Warranty.

This warranty does not apply (a) to damage caused by accident, abuse, misuse, neglect, misapplication, or non-supplied product, (b) to damage caused by service performed by anyone other than company approved Authorized Service Location, (c) to a product

or a part that has been modified without written company permission, or (d) if any serial number has been removed or defaced, or (e) product, accessories or consumables sold "AS IS" without warranty of any kind by including refurbished product sold "AS IS" by some retailers.

This Limited Warranty does not cover:

- Shipping charges to return defective product.
- Labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna/signal source systems outside of the product.
- Product repair and/or part replacement because of improper installation or maintenance, connections to improper voltage supply, power line surge, lightning damage, retained images or screen markings resulting from viewing fixed stationary content for extended periods, product cosmetic appearance items due to normal wear and tear, unauthorized repair or other cause not within the control of the company.
- Damage or claims for products not being available for use, or for lost data or lost software.
- Damage from mishandled shipments or transit accidents when returning product.
- A product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- A product used for commercial or institutional purposes (including but not limited to rental purposes).
- Product lost in shipment and no signature verification receipt can be provided.
- Failure to operate per Owner's Manual.

### TO OBTAIN ASSISTANCE...

Contact the Customer Care Center at:  
1-866-309-0841

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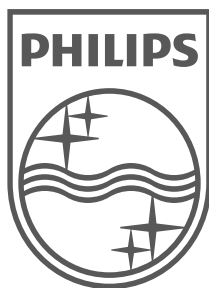
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**TELEVISOR A COLOR DE CRISTAL LIQUIDO (LCD)**

MODELO	LCD	IMAGEN VISIBLE	ENERGIA
40PFL4706/F7	40''(101,60cm)	101,60cm	120V ~ 60Hz 145W

**Comercializado por :** **P&F MEXICANA, S.A. DE C.V.**

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