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PFL3xx8D

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EN User Manual

**PHILIPS**

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# 1 Important

## Safety

### Precautions

Read and understand all instructions before you use your TV. If damage is caused by failure to follow the instructions, the warranty does not apply.

#### Risk of electric shock or fire!

- Never expose the TV to rain or water. Never place liquid containers, such as vases, near the TV. If liquids are spilled on or into the TV, disconnect the TV from the power outlet immediately. Contact Philips Consumer Care to have the TV checked before use.
- Never place the TV, remote control or batteries near naked flames or other heat sources, including direct sunlight. To prevent the spread of fire, keep candles or other flames away from the TV, remote control and batteries at all times.



- Never insert objects into the ventilation slots or other openings on the TV.
- Never expose the remote control or batteries to rain, water or excessive heat.
- Avoid force coming onto power plugs. Ensure that the power plug is fully inserted into the power socket. Loose power plugs can cause arcing or fire.
- When the TV is swiveled, ensure that no strain is exerted on the power cord. Strain on the power cord can loosen connections and cause arcing.

- To disconnect the TV from the mains power, the power plug of the TV must be disconnected. When disconnecting the power, always pull the power plug, never the cord. Ensure that you have full access to the power plug, power cord and outlet socket at all times.

#### Risk of damage to the TV!

- Two people are required to lift and carry a TV that weighs more than 25kg or 55lbs.
- When stand mounting the TV, use only the supplied stand. Secure the stand to the TV tightly. Place the TV on a flat, level surface that can support the combined weight of the TV and the stand.
- To prevent the TV from toppling over, secure the TV stand to a suitable flat surface using the supplied screw. This procedure is only applicable to sets that have specially designed TV stands to support this feature.
- When wall mounting the TV, use only a wall mount that can support the weight of the TV. Secure the wall mount to a wall that can support the combined weight of the TV and wall mount. TP Vision Netherlands B.V. bears no responsibility for improper wall mounting that results in accident, injury or damage.
- If you need to store the TV, disassemble the stand from the TV. Never lie the TV on its back with the stand installed.
- Before you connect the TV to the power outlet, ensure that the power voltage matches the value printed on the back of the TV. Never connect the TV to the power outlet if the voltage is different.
- Parts of this product can be made of glass. Handle with care to avoid injury and damage.

#### Risk of injury to children!

Follow these precautions to prevent the TV from toppling over and causing injury to children:

- Never place the TV on a surface covered by a cloth or other material that can be pulled away.
- Ensure that no part of the TV hangs over the edge of the surface.
- Never place the TV on tall furniture, such as a bookcase, without anchoring both the furniture and TV to the wall or a suitable support.
- Educate children about the dangers of climbing on furniture to reach the TV.

#### **Risk of swallowing batteries!**

- The product/remote control may contain a coin type battery, which can be swallowed. Keep the battery out of reach of children at all times!

#### **Risk of overheating!**

- Never install the TV in a confined space. Always leave a space of at least 4 inches or 10 cm around the TV for ventilation. Ensure that curtains or other objects never cover the ventilation slots on the TV.

#### **Risk of injury, fire or power cord damage!**

- Never place the TV or any objects on the power cord.
- Disconnect the TV from the power outlet and aerial before lightning storms. During lightning storms, never touch any part of the TV, power cord or aerial cable.

#### **Risk of hearing damage!**

- Avoid using earphones or headphones at high volumes or for prolonged periods of time.

#### **Low temperatures**

- If the TV is transported in temperatures below 5°C or 41°F, unpack the TV and wait until the TV temperature matches room temperature before connecting the TV to the power outlet.

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## Care

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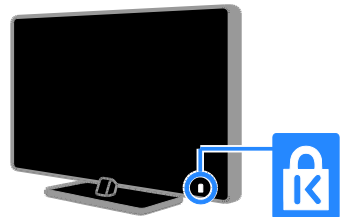
### Screen

- Risk of damage to the TV screen! Never touch, push, rub or strike the screen with any object.
- Unplug the TV before cleaning.
- Clean the TV and frame with a soft damp cloth and wipe gently. Never use substances such as alcohol, chemicals or household cleaners on the TV.
- To avoid deformations and color fading, wipe off water drops as soon as possible.
- Avoid stationary images as much as possible. Stationary images are images that remain onscreen for extended periods of time. Stationary images include onscreen menus, black bars, time displays, etc. If you must use stationary images, reduce screen contrast and brightness to avoid screen damage.

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### Lock the TV

Your TV is equipped with a Kensington security slot at the base of the TV. To secure the TV, purchase a Kensington anti-theft lock (sold separately).



## Legal

### Notice

2012 © TP Vision Netherlands B.V. All rights reserved. Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips Electronics N.V or their respective owners. TP Vision Netherlands B.V. reserves the right to change products at any time without being obliged to adjust earlier supplies accordingly.

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. TP Vision Netherlands B.V. warrants that the material itself does not infringe any United States patents. No further warranty is expressed or implied.

TP Vision Netherlands B.V. 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.

### Terms of warranty

- Risk of injury, damage to TV or void of warranty! Never attempt to repair the TV yourself.
- Use the TV and accessories only as intended by the manufacturer.
- The caution sign printed on the back of the TV indicates risk of electric shock. Never remove the TV cover. Always contact Philips Customer Care for service or repairs.
- Any operation expressly prohibited in this manual, or any adjustments and assembly procedures not recommended or authorized in this manual shall void the warranty.

### Pixel characteristics

This LED 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.

### Trademarks and copyrights

Windows Media is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.



The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.




Kensington and Micro Saver are registered US trademarks of ACCO World Corporation with issued registrations and pending applications in other countries throughout the world.

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

## Sustainability

### Energy efficiency

This TV is designed with energy-efficient features.

- **Screen off:** If you only want to listen to audio from the TV, you can switch off the TV display. Other functions continue to operate normally. While you watch TV, press  and select **[Setup]**. Then select **[Setting] > [Audio Only]** and press **OK**.

- **Auto sleep:** To conserve energy, set the TV to switch to sleep mode after a period of inactivity. While you watch TV, press **⏠** and select **[Setup]**. Then select **[Setting] > [Auto Sleep] > [On]**.
- **Low standby power:** The advanced power circuitry reduces the power consumption of the TV to an extremely low level, without losing out on the constant standby functionality.

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## Recycling

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.



When this crossed-out wheeled bin symbol is attached to a product it means that the product is covered by the European Directive 2002/96/EC. Please inform yourself about the local separate collection system for electrical and electronic products.



Please act according to your local rules and do not dispose of your old products with your normal household waste. Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.

Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed with normal household waste. Please inform yourself about the local rules on separate collection of batteries because correct disposal helps to prevent negative consequences for the environmental and human health.




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## Help and support

### Visit Philips website

Visit the Philips support website at [www.philips.com/support](http://www.philips.com/support).

At the Philips support website, you can also:

- Find answers to Frequently Asked Questions (FAQ)
- Download a printable PDF version of this user manual
- Email us a specific question
- Chat online with Philips Consumer Care (available in certain countries only)

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### Use the Philips connectivity guide

An easy-to-use connectivity guide gives you guidance on how to connect your TV to other devices. Visit <http://www.connectivityguide.philips.com>.

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### Search the TV forum

Your question may have already been answered by the Philips TV community of users. Visit [www.supportforum.philips.com](http://www.supportforum.philips.com).

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## Contact Philips

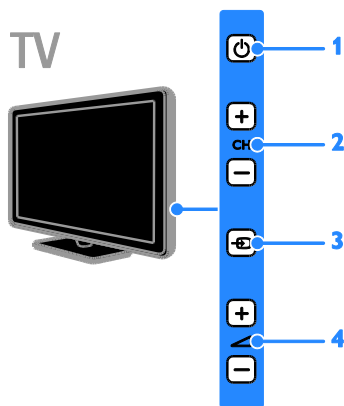
You can contact Philips Consumer Care in your country for support. The number is available in the leaflet accompanying this product, or online at [www.philips.com/support](http://www.philips.com/support).

Before you contact Philips, write down the model and serial number of your TV. You can find this information on the back of your TV or on the TV packaging.

## 2 Use your TV

### TV controls

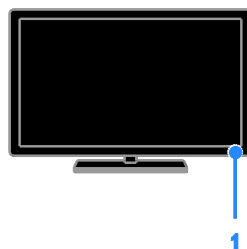
#### Rear controls



1. **⏻ (Standby):** Switch the TV on or off.
2. **CH +/-:** Switch to the next or previous channel.
3. **TV (SOURCE):** Watch a connected device.
4. **🔊 +/- (Volume):** Increase or decrease volume.

### Sensors and indicators

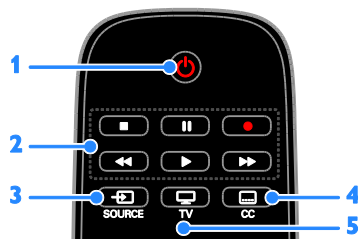
#### TV



#### 1. Standby indicator LED and remote control sensor

The standby LED indicates when your TV is in standby. Point the remote control at the sensor. Make sure that the line of sight between the remote control and the TV is not blocked.

#### Remote control

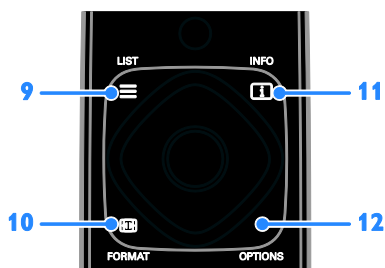


1. **⏻ (Standby):** Switch the TV on or to standby.
2. **Play buttons:** Control playback of multimedia files.  
● : no function.
3. **TV (SOURCE):** Watch a connected device.
4. **CC (Close caption):** Change the closed caption type. For programs that support closed captions.
5. **TV:** Watch TV.

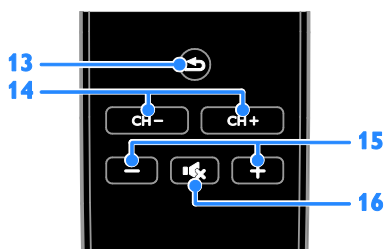




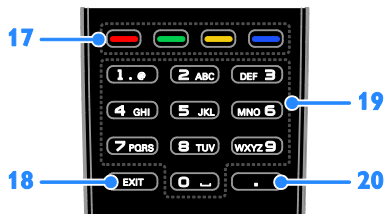
6. **Home**: Access the Home menu.  
 7. **OK**: Confirm an entry or selection.  
 8. **Navigation buttons**: Navigate through menus and select items.



9. **LIST**: Access the TV channel list.  
 10. **FORMAT**: Change the picture format to suit the video source.  
 11. **INFO**: Display information about current activity.  
 12. **OPTIONS**: Access currently available options, picture and sound menus.



13. **Back**: Return to the previous menu page or exit from a TV function.  
 14. **CH +/-**: Switch channels.  
 15. **+/- (Volume)**: Adjust volume.  
 16. **Mute**: Mute or restore audio.



17. **Color buttons**: Select tasks or options. The buttons function according to the services offered by the service provider.  
 18. **EXIT**: Exit from menus or TV functions.  
 19. **0-9 (Numeric buttons)**: Select TV channels or enter text.  
 20. **.** (Dot): Enter digital sub-channels or select an audio language.  
**Note**: Audio language selection is available when no channel number is entered.

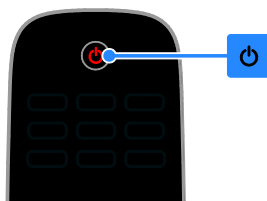
## EasyLink controls

If you connect your TV to HDMI-CEC enabled devices, such as a Blu-ray player or home theater, you can control them at the same time with one remote control. Simply switch on EasyLink after connection.

Read more about Easylink in **Connect your TV > Set up Easylink devices > Control devices** (Page 27).

## Watch TV


### Switch TV on or off




### Switch the TV on

- Connect the TV to the mains outlet and switch on the main power.
- If the standby LED is lit, press **Power** on the remote control.

**Note:** There is a short delay before the TV responds.

**Tip:** If you cannot find your remote control and want to switch on the TV from standby, press  on the TV.

### Switch TV to standby


Press  on the remote control. The standby LED on the TV switches to red.

**Note:** Though your TV consumes very little energy when it is in standby, it does use some energy. If you are not going to use the TV for an extended period of time, disconnect the TV from the mains plug.

### Automatic switch off

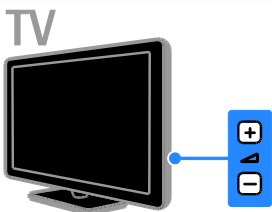
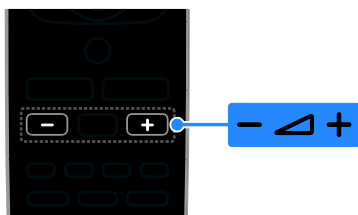
You can save energy with this TV's energy efficiency settings, which are enabled by default. If there is no TV signal received for ten minutes, the TV will automatically switch to standby.

### To disable automatic switch off


1. Press .
2. Select **[Setup]**, then press **OK**.
3. Select **[Setting]** > **[Auto Sleep]** > **[Off]**, then press **OK**.

---



## Adjust TV volume




### Increase or decrease the TV volume

- Press **+/-** on the remote control.
- Press  **+/-** on the TV.

### Mute or restore the TV volume

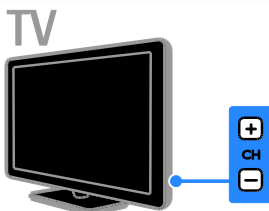
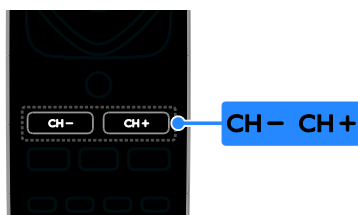
- Press  on the remote control to mute the volume.
- Press  again to restore the volume.

### Adjust headphone volume

1. Press .
2. Select **[Setup]**, then press **OK**.
3. Select **[Sound]** > **[Headphone Vol]**, then press **OK**.
4. Select a level, then press **OK**.

---

## Switch TV channels



- Press **CH +/-** on the remote control or TV.
- Press the **Numeric buttons** to enter a channel number.

---


## Manage channel lists

After the channels are installed, you can:

- Switch between antenna and cable channels.
- Skip channels.

### Watch antenna and cable channels

You can switch between antenna and cable channels.

1. While you watch TV, press .
2. Select **[Setup]**, then press **OK**.
3. Select **[TV]** > **[Tuner Mode]**.
4. Select **[Air]** to watch antenna channels or **[Cable]** to watch cable channels, then press **OK**.

## Skip channels

When you use the remote control to switch channels, you can set to skip unwanted channels.

1. Press **⬆️**.
2. Select **[Setup]**, then press **OK**.
3. Select **[TV] > [CH Skip]**.  
The channel list is displayed.
4. Select the channels to skip, then press **OK**.

**Tip:** To access the skipped channels, press the **Numeric buttons**.

---

## Watch connected devices

Before you can watch a device, connect the device to the TV. See **Connect your TV > Connect devices** (Page 19).

### Select a device with SOURCE

1. Press **⏮️ SOURCE**.
2. Select a device, then press **OK**.

### Select a device from the Home menu

1. Press **⬆️**.
2. Select the device, then press **OK**.

---

## Use picture and sound presets

Your TV comes with predefined picture and sound settings. You can apply these settings or customize them.

### Select your preferred picture settings

1. While you watch TV, press **OPTIONS**.
2. Select **[Picture] > [Picture Mode]**, then press **OK**.
3. Select an option, then press **OK**.
  - **[Personal]:** Apply your personalized picture settings.
  - **[Vivid]:** Rich and dynamic settings, ideal for daytime viewing.
  - **[Standard]:** Settings that suit most environments and types of video.
  - **[Cinema]:** Ideal settings for movies.
  - **[Mild]:** Light and moderate settings.

### Select your preferred sound presets

1. While you watch TV, press **OPTIONS**.
2. Select **[Sound] > [Sound Mode]**, then press **OK**.
3. Select an option, then press **OK**.

- **[Personal]:** Apply your personalized sound setting.
- **[Standard]:** Settings that suit most environments and types of audio.
- **[Music]:** Ideal settings for music.
- **[Theater]:** Ideal settings for plays and musicals.
- **[Rock]:** Ideal settings for rock or pop music.

---

## Change picture format

You can change the picture format to suit the video source.

1. While you watch TV, press **⏮️ FORMAT**.
2. Select a picture format, then press **OK**.

The available picture formats depend on the video source:

- **[Auto]:** Adjust the picture format according to the input source automatically.
- **[Normal]:** Display the standard 4:3 format without distortion.
- **[Zoom1]:** Stretch 4:3 format to 14:9.
- **[Zoom2]:** Stretch 4:3 format to 16:9.
- **[Wide]:** Show widescreen format content unstretched.

---

## Play multimedia files

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### Play files from USB device

If you have photos, videos or music files on a USB storage device, you can play the files on TV.

#### Caution:

- TP Vision is not responsible if the USB storage device is not supported, nor is it responsible for damage or loss of data in the device.
- Do not overload the USB port. If you connect a USB storage device that consumes more than 500mA power, make sure that it is connected to its own external power supply.

## Browse USB device

1. Connect the USB device to the USB connector on the TV.
2. Press **▲**, select **[USB]**, and then press **OK**.
3. Select the type of file you want to view, then press **OK**.
4. Select a file from the content browser, then press **OK** to start play.
5. Press the **Play buttons** to control play.

## USB play options

While you play a file, press **i INFO** to view:

- File information.
- Other play options.

To hide the information, press **i INFO** again.

---

## Play options

### Watch video

1. Select **[MOVIE]** in the menu.
  2. Select a video, then press **OK**.
- To pause the video, press **||**. Press **▶** to resume playback.
  - To search forward or backward, press **▶▶** or **◀◀**. Press the button repeatedly to toggle between different speeds.
  - To stop the video, press **■**.

### Listen to music

1. Select **[MUSIC]** in the menu.
  2. Select a track, then press **OK**.
- To pause the track, press **||**. Press **▶** to resume playback.
  - To search forward or backward, press **▶▶** or **◀◀**. Press repeatedly to toggle between different speeds.
  - To stop the music, press **■**.

### View photos

1. Select **[PHOTO]** in the menu.
  2. Select a photo thumbnail, then press **OK** to a slideshow.
- To stop the slideshow or close the photo, press **■**.

# 3 Use more of your TV

---


## Set locks and timers

---

### Clock

You can display a clock on the TV. The clock displays the time that is broadcast by your TV service operator.

#### Display the TV clock


1. While you watch TV, press  **INFO**.

The clock is displayed on the bottom left of the TV screen.

---

### Sleep timer

You can switch the TV to standby after a specified time. During the countdown to the specified time, you can switch off your TV earlier or reset the sleep timer.

1. Press .
2. Select **[Setup]**, then press **OK**.
3. Select **[Setting]** > **[Sleep Timer]**.
4. Select the sleep timer duration.  
The sleep timer can be set up for to 180 minutes. To switch off the sleep timer, select **[Off]**.


5. Press **OK** to activate the sleep timer.  
After the specified time, the TV switches to standby.

---

### Child lock

To protect children from unsuitable TV programs, you can lock the TV or block age rated programs.


#### Switch on Parental Control

1. Press .
2. Select **[Setup]**, then press **OK**.
3. Select **[Parental]**, then press **OK**.
4. Enter the code with the **Numeric buttons**.

If you access the child lock menu for the first time, enter '0000'.

5. Select **[Parental Control]** > **[On]**, then press **OK**.

#### Set or change the child lock code


1. Press .
2. Select **[Setup]**, then press **OK**.
3. Select **[Parental]**, then press **OK**.
4. Enter the code with the **Numeric buttons**.

If you access the child lock menu for the first time, enter '0000'.

5. Select **[Change Pwd]**, follow the onscreen instructions to enter the new password, and then re-enter the password to confirm.

**Tip:** If you forget your code, enter '8888' to override any existing codes.

#### Block channels

1. Press .
2. Select **[Setup]**, then press **OK**.
3. Select **[Parental]**, then press **OK**.
4. Enter the code with the **Numeric buttons**.
5. Select **[Channel Block]**, then press **OK**.  
The channel list is displayed.
6. Select the channels to block, then press **OK**.
7. Restart the TV to activate the lock.


#### Note:

If you access the channels from the channel list, you are prompted to enter your lock code.

---

### Age rating

You can set your TV to display only programs with age ratings lower than your child's age. This restriction only applies to digital channels from broadcasters that rate their programs according to age.

1. Press .
2. Select **[Setup]**, then press **OK**.
3. Select **[Parental]**, then press **OK**.
4. Enter the code with the **Numeric buttons**.
5. Select **[Digital Rating]** and an age rating, then press **OK**.

All programs above the selected age rating are blocked.

For information on child lock codes, see **Use more of your TV > Set locks and timers > Child lock** (Page 13).

# 4 Change your TV settings

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## Picture and sound

---

### More picture settings

You can change the settings in the Picture menu.

1. Press **▲**, select **[Setup]**, and then press **OK**.
2. Select **[Picture]**, then press **OK**.
3. Select a setting to change, then press **OK**.

- **[Picture Mode]**: Select a predefined picture setting.
- **[Contrast]**: Adjust the intensity of the bright areas to enhance the details in the dark, medium, and light areas of the picture.
- **[Brightness]**: Adjust screen brightness.
- **[Saturation]**: Adjust the color saturation of the picture.
- **[Hue]**: Adjust the hue level to compensate for color variations in NTSC transmissions.
- **[Sharpness]**: Adjust the sharpness of the picture.
- **[Backlight]**: Adjust the brightness of the display backlight.
- **[Auto Backlight]**: Enable the reduction of backlight power consumption and enhance picture contrast.
- **[Color Temp]**: Select a preferred color temperature.
- **[Noise Reduction]**: Select a predefined level of noise reduction for the picture.

---

### More sound settings

You can change the settings in the Sound menu.

1. Press **▲**, select **[Setup]**, and then press **OK**.
2. Select **[Sound]**, then press **OK**.
3. Select a setting to change, then press **OK**.

- **[Sound Mode]**: Access predefined sound settings.
- **[Treble]**: Adjust the treble level of the speaker and headphones.
- **[Bass]**: Adjust the bass level of the speaker and headphones.
- **[Balance]**: Adjust the volume of the left and right speakers.
- **[Headphone Vol]**: Adjust headphone volume.
- **[Auto Vol Control]**: Enable the reduction of sudden volume changes, for example, when switching channels.
- **[DSS]**: Enable the digital surround sound mode to enhance your audio experience.

---

## Audio format

### Digital channels

If a digital TV channel broadcaster streams dual mono signals, you can select an audio format.

1. Press **▲**.
2. Select **[Setup]**, then press **OK**.
3. Select **[TV] > [Dig. Dual Mono]**.
4. Select an option, then press **OK**.
  - **[Main]**: Primary audio source.
  - **[Sub]**: Secondary audio source.
  - **[Main + Sub]**: Select both primary and secondary audio source.

### Analog channels

If an analog TV channel broadcaster streams stereo audio in multiple formats, you can select an audio format.

1. Press **▲**, select **[Setup]**, and then press **OK**.
2. Select **[TV] > [MTS]**, then press **OK**.
3. Select an option, then press **OK**.
  - **[Mono]**: Mono sound.
  - **[Stereo]**: Stereo sound.
  - **[SAP]**: Automatically switch the TV to secondary audio program when a signal is received.

---

## HDMI picture setting

When a device or computer is connected to your TV through HDMI, you can select a HDMI setting which provides maximum detail for display of content.

1. Press **▲**, select **[Setup]**, and then press **OK**.
2. Select **[Setting]** > **[HDMI Mode]**.
3. Select an option, then press **OK**.
  - **[Auto]**: Automatically switch to the matching input source.
  - **[Graphic]**: For graphic and text source.
  - **[Video]**: For video source.

---

## Channels

---

### Automatic installation

When the TV was switched on for the first time, a full installation of channels was performed.

To reinstall all available TV channels, you can run this full installation again.

1. Press **▲**, select **[Setup]**, and then press **OK**.
2. Select **[TV]** > **[Tuner Mode]**, then press **OK**.
3. Select your network, then press **OK**.
  - **[Air]**: Access free-to-air antenna transmissions.
  - **[Cable]**: Access cable transmissions.
4. Select **[Auto CH Search]** to start channel search.
5. Follow the onscreen instructions to complete the channels installation.

**Tip:** Press **≡ LIST** to see the channel list.

---

### Install digital channels

If you know the channel frequency of the channels you want to install, you can search and store digital channels one by one. For best results, contact the service provider.

1. Press **▲**.
2. Select **[Setup]**, then press **OK**.
3. Select **[TV]** > **[Manual Tune]**, then press **OK**.
4. Press the **Navigation buttons** to select a channel number, then press **OK** to search and store.

---

### Fine-tune analog channels

If the reception of an analog TV channel is poor, you can fine-tune the TV channel.

1. While you watch an analog channel, press **▲**.
2. Select **[Setup]**, then press **OK**.
3. Select **[TV]** > **[Fine-Tune]**, then press **OK**.
4. Press the **Navigation buttons** to fine-tune the channel, then press **OK** to store.

---

## Language settings

---

### Menu language

1. Press **▲**.
2. Select **[Setup]**, then press **OK**.
3. Select **[Setting]** > **[OSD Language]**.
4. Select a menu language from the list, then press **OK**.

---

### Audio language

If the TV channel broadcasts multiple or dual audio languages, you can select your preferred audio language.

1. While you watch TV, press **OPTIONS**.
2. Select **[Audio Languages]**, then press **OK**.
3. Select from the available audio language, then press **OK**.

**Tip:** You can also change the audio language by pressing **.** (**Dot**) on the remote control.

---

## Closed captions

You can display closed captions at all times.

### Note:

Not all TV programs, commercials and features include closed captioning information. See your local TV program listings on channels with closed caption text. The captioned programs are typically listed with service marks, such as 'CC' in the TV listings.

### Switch on closed captions

1. Press **⏠**.
2. Select **[Setup]**, then press **OK**.
3. Select **[Setting] > [Caption] > [Caption] > [On]**, then press **OK**.

### Select type of closed captions

1. Press **⏠**.
2. Select **[Setup]**, then press **OK**.
3. Select **[Setting] > [Caption] > [Analog Closed C]** or **[Digital Closed C]**, then press **OK**.
4. Select the correct type of closed captions, then press **OK**.

---

## Other settings

---

### Onscreen display

You can set the onscreen display timeout on this TV.

1. Press **⏠**.
2. Select **[Setup]**, then press **OK**.
3. Select **[Setting] > [Display Timeout]**.
4. Select the timeout duration, then press **OK**.

---

### Background color

You can change the TV background color to blue when no signal is received. The default color is black.

1. Press **⏠**.
2. Select **[Setup]**, then press **OK**.
3. Select **[Setting] > [Blue Mute] > [On]**, then press **OK**.

---

## Update software

---

### Check version

1. Press **⏠**.
2. Select **[Setup]**, then press **OK**.
3. Select **[Setting] > [SW Version]**.

The current software version is displayed.

**Caution:** Do not install a lower version of software than the current version installed on your product. TP Vision cannot be held liable or be made responsible for problems caused by a software downgrade.

---

### Update with USB

#### What you need

- A USB storage device that has at least 256 megabytes of storage space, is FAT or DOS formatted, and has its write protection disabled.
- Access to a computer with a USB connector and Internet access.
- A file archiver program that supports the ZIP file format: for example, WinZip® for Microsoft® Windows®, or Stuffit® for Macintosh®.

**Note:** Do not use a USB hard drive.

#### Download the latest software

1. Connect the USB flash drive to your computer.
2. On your computer, launch a browser such as Internet Explorer® or Safari®, and see [www.philips.com/support](http://www.philips.com/support).
3. Find your TV and locate the software and drivers available for your TV set. The software upgrade is available as a compressed file (\*.zip).
4. If the software version is higher than the version on your TV, click the software upgrade link.
5. Accept the license agreement and download the ZIP file to the USB flash drive.

**Note:** Some Internet browsers, such as Mozilla® Firefox® or Google® Chrome®, may download the ZIP file directly to your computer. If this happens, copy the file to your USB flash drive.



6. When the download is complete, change the file name to 'merge.bin', and then copy the file to the root directory of the USB flash drive. Do not copy or place the file into a folder.

7. Eject and disconnect the USB flash drive from the computer.

### Upgrade the TV software

#### Caution:

- Do not switch off the TV or remove the USB flash drive during the software upgrade.
- If a power failure occurs during the upgrade, do not remove the USB flash drive from the TV. The TV continues the upgrade as soon as power is restored.
- If an error occurs during the upgrade, retry the upgrade from the beginning. If the error reoccurs, contact Philips Consumer Care.

1. Switch off the TV, and then connect the USB flash drive to the TV.

2. Switch on the TV.

The software upgrade starts automatically.

3. Once upgrade is complete, disconnect the USB flash drive from the TV, and then switch off and on the TV again.

4. Reset all the settings on your TV, see

**Reset all** (Page 17).

**Note:** To prevent accidental updates to the TV software, reconnect the USB flash drive to your computer and delete 'merge.bin' file.

---

## Reset all

You can reset all picture and sound settings and reinstall all TV channels on your TV.

1. Press **⬆**, select **[Setup]**, and then press **OK**.

2. Select **[Setting]** > **[Restore default]**, then press **OK**.

3. Follow the onscreen instructions.

# 5 Connect your TV

## About cables

### Cable quality

Before you connect devices to the TV, check the available connectors on the device. Connect the device to the TV with the highest quality connection available. Good quality connectors transfer picture and sound better.

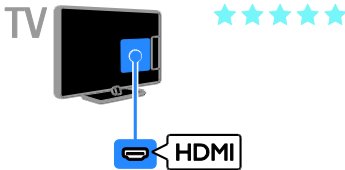
The connections shown in this user manual are recommendations only. Other solutions are possible. For more examples, visit <http://www.connectivityguide.philips.com>.

**Tip:** If your device has only composite or RCA connectors, use a composite (CVBS) cable to connect the device to the CVBS/Y connector on the TV.

### HDMI

An HDMI connection has the best picture and sound quality.

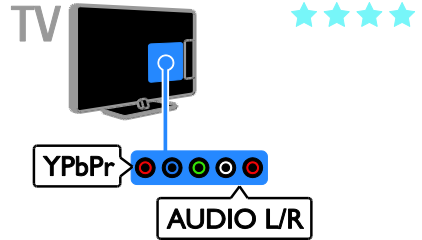
- An HDMI cable combines video and audio signals. Connect HDMI for high-definition (HD) TV signals, and to switch on EasyLink.
- An HDMI Audio Return Channel (ARC) connector allows output of TV audio to an HDMI ARC compliant device.
- Connect HDMI cables shorter than 5 meters/16.4 feet.



### Y Pb Pr

Component video (Y Pb Pr) only transmits video. For sound, also connect to Audio Left/Right.

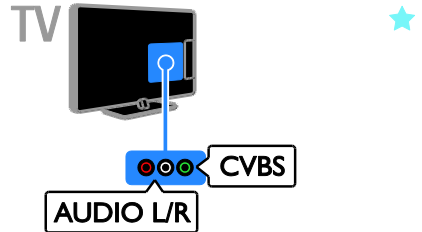
- The Y Pb Pr connection can handle high-definition (HD) TV signals.
- Match the Y Pb Pr connector colors to the cable plugs.



### CVBS

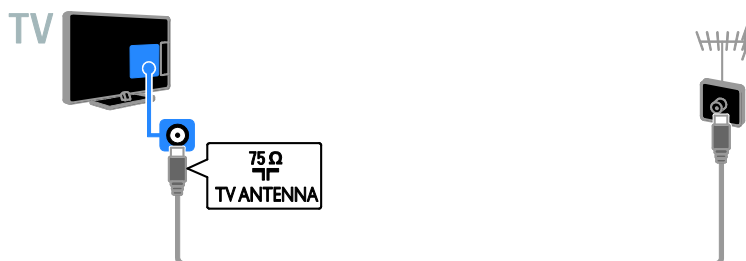
CVBS only transmits video. For sound, also connect to Audio Left/Right.

CVBS connections provides standard picture quality.



## Connect antenna

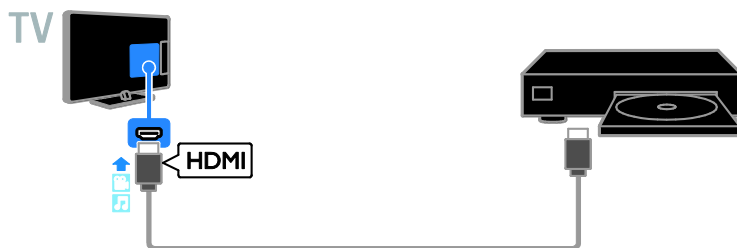
Connect the antenna to the TV.



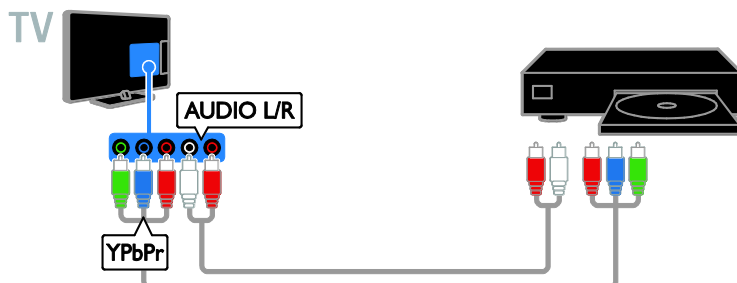
## Connect devices

### Blu-ray or DVD disc player

Connect the disc player with an HDMI cable to the TV.



Connect the disc player with a component video cable (Y Pb Pr) and an audio L/R cable to the TV.



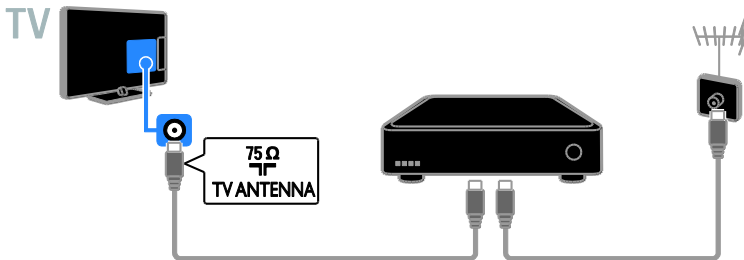
Connect the disc player with a composite cable (CVBS) and an audio L/R cable to the TV.



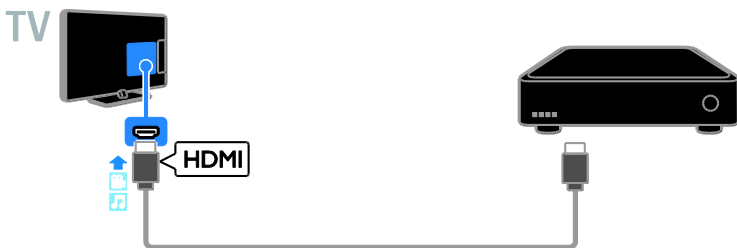
---

### TV receiver

Connect the digital TV receiver with an antenna cable to the TV.



Connect the satellite or digital TV receiver with an HDMI cable to the TV.



Connect the digital TV receiver with a component video cable (Y Pb Pr) and an audio L/R cable to the TV.

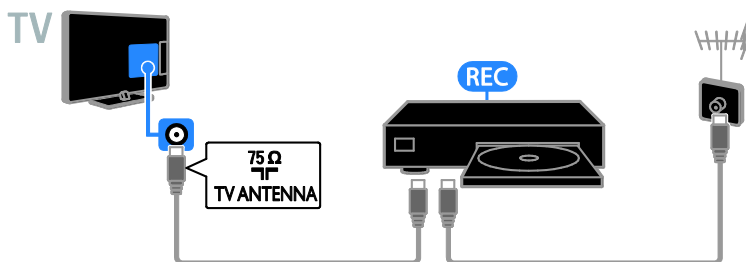


Connect the digital TV receiver with a composite cable (CVBS) and an audio L/R cable to the TV.

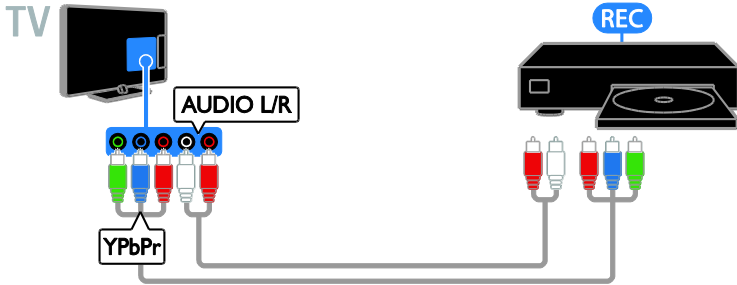


## Video recorder

Connect the recorder with an antenna cable to the TV.



Connect the recorder with a component video cable (Y Pb Pr) and an audio L/R cable to the TV.



Connect the recorder with a composite cable (CVBS) and an audio L/R cable to the TV.



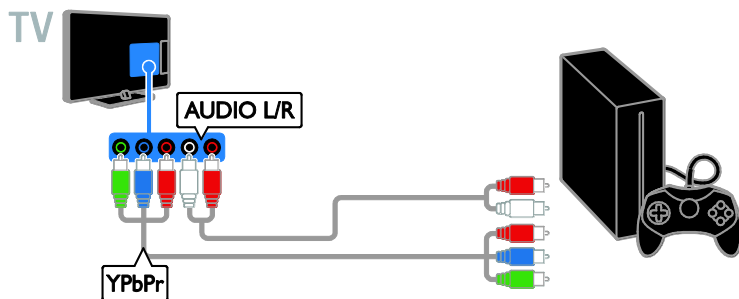
---

## Game console

Connect the game console with an HDMI cable to the TV.



Connect the game console with a component video cable (Y Pb Pr) and an audio L/R cable to the TV.



Connect the game console with a composite cable (CVBS) and an audio L/R cable to the TV.

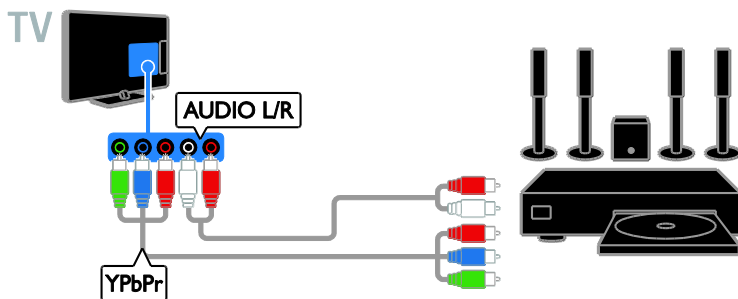


## Home theater

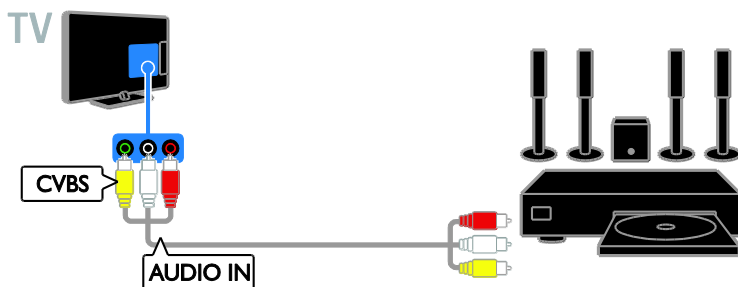
Connect an HDMI-ARC compliant home theater with an HDMI cable to the TV.



Connect the home theater with a component video cable (Y Pb Pr) and an audio L/R cable to the TV.



Connect the home theater with a composite cable (CVBS) and an audio L/R cable to the TV.



---

## Digital camera

Connect the digital camera with a USB cable to the TV.



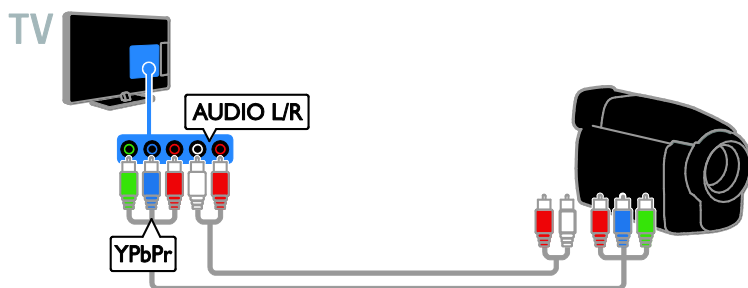


## Digital camcorder

Connect the digital camcorder with an HDMI cable to the TV.



Connect the digital camcorder with a component video cable (Y Pb Pr) and an audio L/R cable to the TV.



Connect the digital camcorder with a composite cable (CVBS) and an audio L/R cable to the TV.



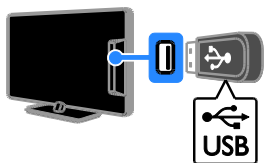
---

## Connect more devices

---

### USB storage device

TV



Connect the USB flash drive with a USB cable to the TV.

---

### Computer

Connect the computer with an HDMI cable to the TV.



## Watch connected devices

### Select a device

Before you can watch a device, connect the device to the TV. See **Connect your TV > Connect devices** (Page 19).

### Select a device with SOURCE

1. Press **SOURCE**.
2. Select a device, then press **OK**.

### Select a device from Home menu

1. Press **HOME**.
2. Select a device, then press **OK**.

## Set up EasyLink devices

### What you can do

You can get the most out of your HDMI-CEC-compliant devices with Philips EasyLink enhanced control features. Connect your HDMI-CEC compliant devices through HDMI to your TV and control them at the same time with your TV remote control.

**Note:** Other brands describe HDMI-CEC functionality differently. Some examples are Anynet (Samsung), Aquos Link (Sharp) or BRAVIA Sync (Sony). Not all brands are fully compatible with Philips EasyLink.

After you switch on Philips EasyLink, the following features are available:

#### One-touch play

When you play an HDMI-CEC compliant device, the TV switches on from standby and switches to the correct source.

#### One-touch standby

When you press **OFF** on the TV remote control, the TV and all HDMI-CEC compliant devices switch to standby mode.

#### System audio control

If you connect an HDMI-CEC compliant device that includes speakers through the HDMI ARC connector, you can choose to hear the TV audio from those speakers instead of the TV speakers.

### Control devices

- Connect a HDMI-CEC compliant device to the TV. You can connect more than one HDMI-CEC device. See **Connect your TV > Connect devices** (Page 19).
- Configure each HDMI-CEC compliant device properly.
- Switch on EasyLink.

### Switch on EasyLink

1. Press **OPTIONS**.
2. Select **[EasyLink] > [AMP]**, and then press **OK**.

TV speakers will be muted and audio from the TV plays through the HDMI connected device.

**Note:** To listen to the audio from the TV speakers only, select **[EasyLink] > [TV Speaker]**.

# 6 Troubleshooting

---

## General issues

### The TV does not switch on:

- Disconnect the power cable from the power outlet. Wait for one minute then reconnect it.
- Make sure that the power cable is securely connected.

### When you are turning the TV on, off or to standby, you hear a creaking sound from the TV chassis:

No action is required. The creaking sound is due to the normal expansion and contraction of the TV as it cools and warms up. This does not affect performance.

### The TV does not respond to remote control or TV controls when switched on:

The TV requires some time to start up. During this time, the TV does not respond to the remote control or TV controls. This is normal behavior.

If the TV continues to be unresponsive to the remote control, view the remote control sensor through a digital camera -- if you press any button on the remote control and notice red flickering at the sensor, the remote control is working but the TV may need to be checked by Philips Consumer Care. This troubleshooting procedure is not applicable to remote controls that are paired wirelessly with the TV.

### When the TV is in standby, a startup splash screen is displayed, then TV returns to standby mode:

This is normal behavior. When the TV is disconnected and reconnected to the power supply, the startup screen is displayed at the next startup.

To switch on the TV from standby, press  $\odot$  on the remote control or press any key on the TV.

### The standby light on the TV blinks red:

Disconnect the power cable from the power outlet. Wait until the TV cools down before you reconnect the power cable. If the blinking reoccurs, contact Philips Consumer Care.

### The TV audio is in the wrong language:

Change your audio language by pressing **OPTIONS**, then selecting **[Audio Languages]**, and then select your preferred language.

### You forgot the 4-digit code to unlock the channel blocking feature (child lock):

Enter '8888'.

### You want to upgrade your TV software:

Visit [www.philips.com/support](http://www.philips.com/support) and download the latest software package for your TV. Software installation instructions and release notes indicating what's been updated are also available at the site. Full instructions on how to upgrade your TV software are also available at **Change your TV settings > Update software** (Page 16)

---

## Channel issues

### You want to install TV channels:

See **Change your TV settings > Channels > Automatic installation** for instructions on installing analog or digital channels.

### Previously installed channels do not appear in the channel list:

Make sure that the correct channel list is selected.

### No digital channels were found during the installation:

- See the technical specifications to make sure that your TV supports SATVD-T or SBTVD-T in your country.
- Make sure that all cables are properly connected and that the correct network is selected.

---

## Picture issues

**The TV is on, but there is no picture or the picture is distorted:**

- Make sure that the antenna is properly connected to the TV.
- Make sure that the correct device is selected as the display source.
- Make sure that the external device or source is properly connected.

**There is sound but no picture:**

Make sure that the picture settings are set correctly.

**There is poor TV reception from an antenna connection:**

- Make sure that the antenna is properly connected to the TV.
- Loud speakers, unearthed audio devices, neon lights, high buildings, and other large objects can influence reception quality. If possible, try to improve the reception quality by changing the antenna direction or moving devices away from the TV.
- If reception on only one channel is poor, fine-tune this channel.

**There is poor picture quality from connected devices:**

- Make sure that the devices are connected properly.
- Make sure that the picture settings are set correctly.

**The picture format keeps changing with different channels:**

Instead of the picture format **[Auto]**, select a different picture format.

**The picture does not fit the screen - it is too big or too small:**

Change the different picture format.

**The picture position is incorrect:**

Picture signals from some devices may not fit the screen correctly. Check the signal output of the device.

**The computer display on the TV is not stable:**

Make sure that your PC uses the supported resolution and refresh rate. See **Specifications > Display resolutions** (Page 31).

---

## Sound issues

**There is picture but no sound from the TV:**

If no audio signal is detected, the TV automatically switches the audio output off — this does not indicate malfunction.

- Make sure that all cables are properly connected.
- Make sure that the volume is not muted or set to zero.
- Make sure that the TV audio output is connected to the audio input on the HDMI-CEC enabled or EasyLink compliant home theater device. Sound should be heard from the home theater speakers.
- Some devices may require you to manually enable HDMI audio output. If HDMI audio is already enabled, but you still do not hear audio, try changing the digital audio format of the device to PCM (Pulse Code Modulation). Refer to the documentation accompanying your device for instructions.

---

## Connection issues

**There are problems with HDMI devices:**

- Note that HDCP (High-bandwidth Digital Content Protection) support can delay the time taken for a TV to display content from an HDMI device.
- If the TV does not recognize the HDMI device and no picture is displayed, switch the source from one device to another and back again.
- If there are intermittent sound disruptions, make sure that output settings from the HDMI device are correct.

### **You cannot use EasyLink features:**

Make sure that your HDMI devices are HDMI-CEC compatible. EasyLink features only work with devices that are HDMI-CEC compatible.

### **If an HDMI-CEC compliant audio device is connected to the TV and the TV does not display any mute or volume icon when the volume is muted, increased or decreased:**

When a HDMI-CEC audio device is connected this behavior is normal.

### **USB device content is not displayed:**

- Make sure that the USB storage device is set to **Mass Storage Class** compliant, as described in the storage device's documentation.
- Make sure that the USB storage device is compatible with the TV.
- Make sure that the audio and picture file formats are supported by the TV.

### **Audio and picture files on your USB storage device do not play or display smoothly:**

The transfer performance of the USB storage device may limit the data transfer rate to the TV which causes poor playback.

Take note of your TV model and serial number before you contact Philips. These numbers are printed on the back of the TV and on the packaging.

---

## Contact Philips

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

If are not able to resolve your problem, refer to the frequently asked questions (FAQs) for this TV at [www.philips.com/support](http://www.philips.com/support). You can also consult and contribute to the Philips TV community at [www.supportforum.philips.com](http://www.supportforum.philips.com).

If you wish to speak with or email a Philips representative, contact the Philips Consumer Care in your country. You can find the contact details in the leaflet accompanying this TV or at [www.philips.com/support](http://www.philips.com/support).

# 7 Specifications

## Power and reception

Product specifications are subject to change without notice.

### Power

- Mains power: AC 110-240 V~, 50-60 Hz
- Standby power consumption: < 0.5 W
- Ambient temperature: 5 to 40degree Celsius
- For power consumption, see the product specifications at [www.philips.com/support](http://www.philips.com/support).

### Reception

- Antenna input: 75 ohm coaxial (F-type)
- TV system: PAL M, PAL N, NTSC M, SATVD-T, SBTVD-T
- Video playback: NTSC, PAL

## Display and sound

### Picture / Display

- Display type: LED backlight Full HD
- Diagonal size:
  - 81 cm / 32 inches
  - 99 cm / 39 inches
  - 107 cm / 42 inches
  - 117 cm / 46 inches
- Aspect ratio: 16:9 (widescreen)
- Panel resolution:
  - For HD sets: 1366 X 768 p
  - For FHD sets: 1920 x 1080 p
- Perfect Motion Rate (PMR): 60 Hz

### Sound

- Output power (RMS): 10 W @ 10% THD
- Digital Surround Sound
- Mono / Stereo

## Display resolutions

### Computer formats - HDMI (Resolution - refresh rate)

640 × 480 - 60 Hz  
 800 × 600 - 60 Hz  
 1024 × 768 - 60 Hz  
 1280 × 800 - 60 Hz  
 1280 × 960 - 60 Hz  
 1280 × 1024 - 60 Hz  
 1360 × 768 - 60 Hz

For Full HD TV only:  
 1400 × 1050 - 60 Hz  
 1440 × 900 - 60 Hz  
 1600 × 1200 - 60 Hz  
 1680 × 1050 - 60 Hz  
 1920 × 1080 - 60 Hz

### Video formats (Resolution - refresh rate)

480i - 60 Hz  
 480p - 60 Hz  
 576i - 50 Hz  
 576p - 50 Hz  
 720p - 50Hz, 60 Hz  
 1080i - 50Hz, 60 Hz  
 1080p - 24Hz, 25Hz, 30Hz, 50Hz, 60 Hz

## Multimedia

### Supported multimedia connections

- USB: Connect only those USB devices that consume 500mA of power or less.
  - FAT 16 (Read only)
  - FAT 32 (Read only)

### Supported multimedia format

- Photo: JPEG
- Video: AVI, MKV, H.264, MPEG-4 AVC, MPEG1, MPEG2, MPEG4
- Audio: AAC, MP3
- Subtitle: SRT, SMI, AAS, SUB

---

# Connectivity

## Rear

- SERV. U: Service port
- HDMI 1
- Composite and Audio (AV IN) : CVBS, Audio L/R
- Component and Audio: Y Pb Pr, Audio L/R
- TV ANTENNA: 75 ohm coaxial

## Side

- USB
- HDMI 2 ARC
- Headphones: stereo 3.5mm mini-jack



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