Register your product and get support at

www.philips.com/welcome

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EN **User manual**

PHILIPS

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1 Notice

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Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips Electronics N.V. or their respective owners. Philips 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. 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 either for any errors in the content of this document or for any problems as a result of the content in this document. Errors reported to Philips will be corrected and published on the Philips support website as soon as possible.

Pixel characteristics

This LCD product has a high number of colour 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 Centres 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 authorised in this manual, shall void the warranty.

Compliance with EMF

Koninklijke Philips Electronics N.V. manufactures and sells many products targeted at consumers which, like any electronic apparatus, in general have the ability to emit and receive electromagnetic signals.
One of Philips' leading Business Principles is to take all necessary health and safety measures for our products, to comply with all applicable legal requirements and to stay well within the EMF standards applicable at the time of producing the products.
Philips is committed to develop, produce and market products that cause no adverse health effects. Philips confirms that if its products are handled properly for their intended use, they are safe to use according to scientific evidence available today.
Philips plays an active role in the development of international EMF and safety standards, enabling Philips to anticipate further developments in standardisation for early integration in its products.

Copyright

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2 Important

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

Safety

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 spilt 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.
- When the TV is swivelled ensure that no strain is exerted on the power cord. Strain on the power cord can loosen connections and cause arcing.

Risk of short circuit or fire!

- Never expose the remote control or batteries to rain, water or excessive heat.
- Avoid force coming onto power plugs. Loose power plugs can cause arcing or fire.

Risk of injury or damage to the TV!

- Two people are required to lift and carry a TV that weighs more than 25 kg.
- 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.
- 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. Koninklijke Philips Electronics N.V. bears no responsibility for improper wall mounting that result in accident, injury or 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 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 curtains or other objects never cover the ventilation slots on the TV.

Risk of damage to the TV!

- 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.

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Risk of injury, fire or power cord damage!

- Never place the TV or any objects on the power cord.
- To disconnect the TV power cord easily from the power outlet, ensure that you have full access to the power cord at all times.
- When you disconnect the power cord, always pull the plug, never the cable.
- Disconnect the TV from the power outlet and antenna before lightning storms. During lightning storms, never touch any part of the TV, power cord or antenna 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, unpack the TV and wait until the TV temperature matches room temperature before connecting the TV to the power outlet.

Screen care

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

Disposal of your old product and batteries

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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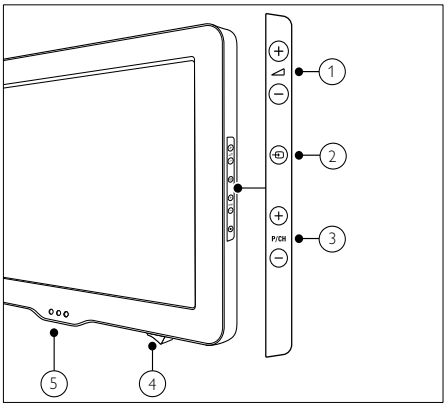
3 Your TV

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers, register your TV at www.philips.com/welcome.

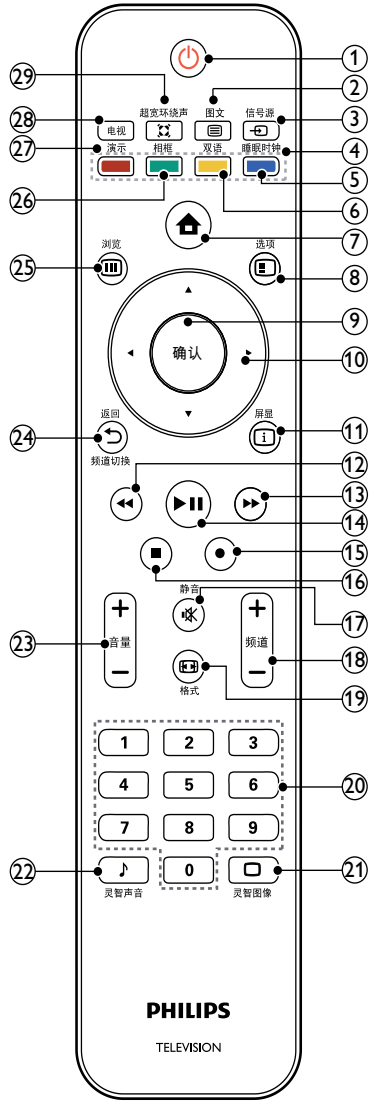
This section gives you an overview of commonly used TV controls and functions.

Side controls and indicators



1. +/-: Increases or decreases volume.
2. : Selects connected devices.
3. P/CH +/-: Switches to the next or previous channel.
4. Power switch: Switches the TV on or off.
5. Ambient sensor/ Standby indicator/ Remote control sensor

Remote control



1. (Standby-On)
   - Switches the TV to standby if it is on.
   - Switches on the TV if it is in standby.

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② (图文)
Not used.

③ (信号源)
Selects connected devices.

④ **Colour buttons**
Select tasks, options or teletext pages. Available in selected models only.

⑤ 睡眠时钟
Sets a delay after which the TV switches to standby.

⑥ 双语
Switches Stereo and Nicam Stereo to Mono. Selects first language (Dual I) or second language (Dual II) in bilingual programmes.

⑦ **(Home)**
Toggles the home menu on or off.

⑧ (选项)
Accesses options relating to the current activity or selection.

⑨ 确认
Confirms an entry or selection.Displays a matrix of channels.

⑩ **▲▼◀▶ (Navigation buttons)**
Navigates menus.

⑪ (屏显)
Displays programme information, if available.

⑫ **◀◀ (Backward)**
Searches backward.

⑬ **▶▶ (Forward)**
Searches forward.

⑭ **▶❚❚ (Play/Pause)**
Starts, pauses or resumes playback.

⑮ **● (Record)**
Starts or stops video recording.

⑯ **■ (Stop)**
Stops playback.

⑰ (静音)
Mutes or restores volume.

⑱ **频道 +/-**
Switches to the next or previous channel.

⑲ (格式)
Selects a picture format.

⑳ **0-9 (Numeric buttons)**
Selects a channel or setting.

㉑ (灵智图像)
Launches the smart picture menu.

㉒ ♪ (灵智声音)
Launches the smart sound menu.

㉓ 音量 +/-
Increases or decreases volume.

㉔ 返回 / 频道切换
Returns to a previous screen.
Toggles between the current channel and the last viewed channel.

㉕ (浏览)
Displays a matrix of channels.

㉖ 相框
Displays wallpaper on your TV screen.

㉗ 演示
Toggles the demonstration menu on or off.

㉘ 电视
Switches back to the aerial source.

㉙ (超宽环绕声)
Enables Incredible Surround for stereo sources. Enables spatial mode for mono sources.

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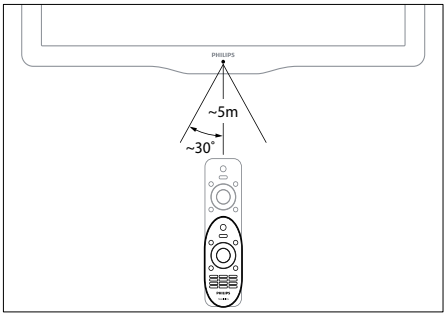
Remote control usage

When using the remote control, hold it close to the TV and point it at the remote control sensor. Make sure that the line-of-sight between the remote control and TV is not blocked by furniture, walls or other objects.



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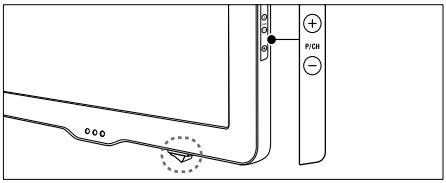
4 Use your TV

This section helps you perform basic TV operations.

Switch your TV on/off or to standby



To switch on

- If the standby indicator is off, press **Power switch** at the bottom of the TV.
- If the standby indicator is red, press ⏻ (**Standby-On**) on the remote control.

To switch to standby

- Press ⏻ (**Standby-On**) on the remote control.
  - ↳ The standby indicator switches to red.

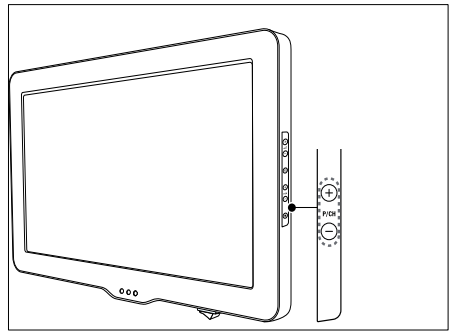
To switch off

- Press the **Power switch** at the bottom of the TV.
  - ↳ The standby indicator switches off.

Tip

- Though your TV consumes very little power when in standby, energy continues to be consumed. When not in use for an extended period of time, disconnect the TV power cable from the power outlet.

Switch channels



- Press ⮌ (返回 / 频道切换) on the remote control to return to the previously viewed channel.
- Press **频道 +/-** on the remote control or **P/CH +/-** on the side of the TV.
- Press 确认 to use the channel grid.
- Enter a channel number using the **Numeric buttons**.

Note

- When you use a favourite list, you can only select those channels in the list.

Watch connected devices

Use the source button

1. Press ⮆ (信号源).
   - ↳ The source list appears.
2. Press ▲ or ▼ to select the connected device.
3. Press 确认 to confirm selection.

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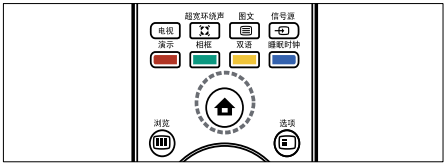
Use the home menu



Note

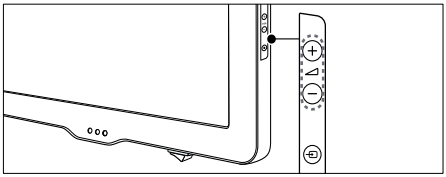
- You can add new devices to the home menu for easy access.

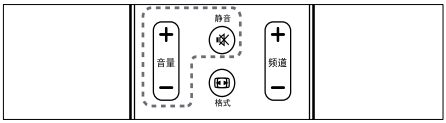
1 Press ⌂ (**Home**).
↳ The home menu appears.

2 Press ▲▼◀▶ to select the device.

3 Press **确认** to confirm selection.

Adjust TV volume





To increase or decrease volume

- Press ◿ **+/-** on the remote control or at the side of the TV.

To mute or unmute sound

- Press 🔇 to mute the sound.
- Press 🔇 again to restore the sound.

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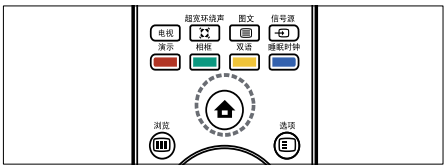
5 Use more of your TV

Access TV menus

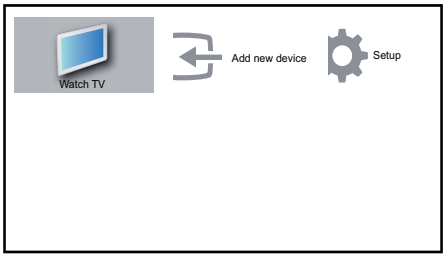
Menus help you to install channels, change picture and sound settings and access other features.

Access the home menu

The home menu gives you easy access to connected devices, picture and sound settings, and other useful features.



1 Press ⌂ (**Home**).
↳ The menu screen appears.



2 Press ▲▼◀▶ to select and navigate the following menus.
- **[Watch TV]**Switches back to the aerial source if another source is selected.
- **[Setup]**Accesses menus to change picture, sound and other settings.
- **[Add new device]**Adds new devices to the home menu.

3 Press **确认** to confirm your choice.

4 Press ⌂ (**Home**)to exit.

Tip

- After selecting **[Add new device]**, follow the on-screen instructions to select the correct device and connector.

Remove devices from the home menu

If a device is no longer connected to the TV, remove it from the home menu.

1 Press ⌂ (**Home**).
↳ The home menu appears.

2 Press ▲▼◀▶ to select a device to remove.

3 Press ☰ (**选项**).
↳ The **[Remove device]** menu appears.

4 Press **确认** and select **[Remove]** to remove the icon.
↳ The selected device is removed from the home menu.

Change picture and sound settings

Change picture and sound settings to suit your preferences. You can apply pre-defined settings or change settings manually.

Use settings assistant

Use the settings assistant to guide you through the picture and sound settings.

1 Press ⌂ (**Home**).
↳ The home menu appears.

2 Press ▲▼◀▶ to select **[Setup]** > **[Picture]** > **[Settings assistant]**.

3 Press **确认**.
↳ The **[Settings assistant]** menu appears. Follow the on-screen instructions to choose your preferred picture and sound settings.

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Use smart picture

Use smart picture to apply pre-defined picture settings.

1 Press ▭ (灵智图像).
↳ The **[Smart picture]** menu appears.

2 Press ▲▼◀▶ to select from the following smart picture settings:
- **[Personal]** : Lists customised picture settings.
- **[Vivid]** : Applies rich and dynamic settings.
- **[Standard]** : Adjusts picture settings to suit most environments and types of video.
- **[Movie]** : Applies settings for movie viewing.
- **[Game]** : Applies settings for games.
- **[Energy saving]** : Applies low-energy settings.

3 Press 确认 to confirm your choice.
↳ The selected smart picture setting is applied.

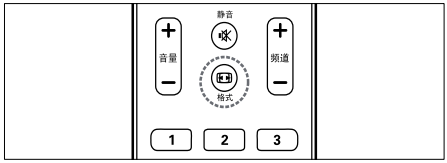
Manually adjust picture settings

1 Press ⌂ (**Home**).

2 Press ▲▼◀▶ to select **[Setup]** > **[Picture]**.
↳ The **[Picture]** menu appears.

3 Press ▲▼◀▶ to select from the following settings and adjust:
- **[Smart picture]** : Accesses pre-defined smart picture settings.
- **[Contrast]** : Adjusts the intensity of bright areas, keeping dark areas unchanged.
- **[Brightness]** : Adjusts the intensity and details of dark areas.
- **[Colour]** : Adjusts colour saturation.
- **[Hue]** : Compensates for colour variations. (Available only during video playback.)
- **[Sharpness]** : Adjusts sharpness in the image.
- **[Noise reduction]** : Filters and reduces noise in an image.
- **[Colour temp.]** : Sets the colour tones to **[Normal]**,**[Warm]** (reddish) or **[Cool]** (bluish).
- **[Pixel Plus HD]** : Fine-tunes each pixel to match surrounding pixels. This produces a brilliant, high-definition image.
  - **[HD Natural Motion] :** In selected models only. Reduces field and line flicker to display movement smoothly. You can switch HDNM on or off.
  - **[100Hz Clear LCD]** : Sets the TV refresh rate to a maximum of 100Hz to provide superior motion sharpness, better black level, high contrast with a flicker-free, quiet image and a larger viewing angle.
  - **[Dynamic contrast] :** Enhances contrast.
  - **[Dynamic backlight] :** Adjusts brightness of the TV backlight to match lighting conditions.
  - **[Colour enhancement] :** Makes colours more vivid and improves the details in bright colours. You can switch this feature on or off.
- **[Backlight]** : Adjusts the backlight.
- **[PC mode]** : Adjusts picture settings when a PC is connected to the TV.
- **[Light sensor]** : Adjusts settings dynamically to match lighting conditions.
- **[Picture format]** : Changes the picture format.
- **[Horizontal shift]** : Adjusts the picture horizontally for PC-VGA or HD input.
- **[Vertical shift]** : Adjusts the picture vertically for PC-VGA or HD input.

Change picture format



1 Press ▭ (格式).
↳ A picture format bar appears.

2 Press ▲▼ to select a picture format.
↳ The selected picture format is previewed.

3 Press 确认 to confirm your choice.

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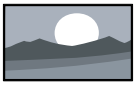
Summary of picture formats

The following picture settings can be configured.

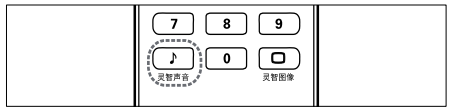
Note

- Depending on the format of the picture source, some picture settings are not available.

	[Super zoom] : (Not for HD and PC mode.) Removes the black bars on the side of 4:3 broadcasts. There is minimal distortion.
	[4:3] : Shows the classic 4:3 format.
	[Movie expand 16:9] : (Not for HD and PC mode.) Scales 4:3 format to 16:9.
	**[Wide screen]** : Scales 4:3 format to 16:9.
	[Unscaled] : For HD and PC mode only, and in selected models only. Allows maximum sharpness. Some distortion may be present due to the broadcaster's systems. Set your PC resolution to wide screen mode for best results.

Use smart sound

Use smart sound to apply pre-defined sound settings.



1. Press ♪ (灵智声音).
   ↳ The **[Smart sound]** menu appears.
2. Press ▲▼◀▶ to select a smart sound setting:
   - **[Standard]** : Adjusts sound settings to suit most environments and types of audio.
   - **[News]** : Applies settings for spoken audio, such as news.
   - **[Movie]** : Applies settings for movies.
   - **[Personal]** : Applies the settings that were customised in the sound menu.
3. Press 确认 to confirm your choice.
   ↳ The selected smart sound setting is applied.

Manually adjust sound settings

1. Press ⌂ (**Home**).
2. Press ▲▼◀▶ to select **[Setup]** > **[Sound]**.
   ↳ The **[Sound]** menu appears.
3. Press ▲▼◀▶ to select and adjust:
   - **[Smart sound]** : Accesses pre-defined smart sound settings.
   - **[Bass]** : Adjusts the bass level.
   - **[Treble]** : Adjusts the treble level.
   - **[Volume]** : Adjusts the volume.
   - **[Balance]** : Adjusts the balance of the right and left speakers.
   - **[Dual I-II]** : Selects audio languages if dual sound broadcast is available.
   - **[Mono/Stereo]** : Selects mono or stereo if stereo broadcast is available.

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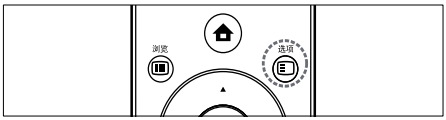
- **[TV speakers]** : Sets the TV speakers on or off, or outputs sound to an EasyLink-compliant device. This option is available when you select **[EasyLink]** in the **[Preferences]** menu.
- **[Surround]** : Enables spatial sound.
- **[Auto volume]** : Automatically reduces sudden volume changes, for example, when switching channels.
- **[Delta volume]** : Corrects volume differences between TV channels and connected devices (switch to your connected device when adjusting **[Delta volume]**).

Create and use lists of favourite channels

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

Select the favourite list



1. When watching TV, press 确认.
   ↳ The channel grid appears.
2. Press ▤ (选项).
   ↳ The options menu appears.
3. Press 确认 to select **[Show fav. ch.]**.
4. Press ▲▼ to select the favourites list or **[All]**.
5. Press 确认.
   ↳ If you select the favourites list, only the channels in the favourites list appear in the channel grid.
   ↳ If you select **[All]**, all the installed channels appear in the channel grid.
6. Press ⮌ - 返回 to exit the options menu.

Add a channel to the favourite list

Tip

- View all channels before adding a channel to the favourite list.

1. When watching TV, switch to the channel you want to add to a favourite list.
2. Press ▲▼◀▶ to select a channel to add to the favourite list.
3. Press ▤ (选项).
   ↳ The channel options menu appears.
4. Press ▲▼ to select **[Mark as favourite]**.
5. Press 确认.
   ↳ The channel is added to the favourite list.
6. Press ⮌ (返回 / 频道切换) to exit.

Tip

- When watching TV, press ▤ (选项) > **[Mark as favourite]** to save the current channel in the favourite list.

Remove a channel from the favourite list

Note

- Select the favourite list to edit, before removing a channel (see 'Select the favourite list' on page 13).

1. When watching TV, press 确认.
   ↳ The channel grid appears.
2. Press ▲▼◀▶ to select a channel.
3. Press ▤ (选项).
   ↳ The channel options menu appears.
4. Press ▲▼ to select **[Unmark as fav.]**.
5. Press 确认.
   ↳ The channel is removed from the favourite list.
6. Press ⮌ (返回 / 频道切换) to exit the channel options menu.
   ↳ The updated channel grid appears, displaying the current channels in the favourite list.

English

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Use timers

You can set timers to switch the TV to standby at a specified time.

Automatically switch the TV to standby (sleeptimer)

Sleeptimer switches the TV to standby after a pre-defined period of time.

Tip

- You can always switch off your TV earlier or reset the sleeptimer during the countdown.

1 Press ⌂ (**Home**).
   ↳ The home menu appears.
2 Press ▲▼◀▶ to select **[Setup]** > **[Features]** > **[Sleep timer]**.
   ↳ The **[Sleep timer]** menu appears.
3 Press ◀▶ to select a value between zero and 180 minutes.
   ↳ The sleep timer can be set in steps of five minutes. If set to zero minutes, the sleep timer is switched off.
4 Press 确认 to activate the sleep timer.
   ↳ The TV switches to standby after the pre-defined period of time.

Automatically switch the TV on (on timer)

You can switch on the TV from standby to a specific channel at a specified time.

1 Press ⌂ (**Home**).
2 Press ▲▼◀▶**[Setup]** > **[Features]** > **[On timer]**.
3 Press ▲▼◀▶ to select **[Activate]** and set a frequency -**[Daily]**, **[Once]**, or **[Off]**.
4 Press 确认 to confirm.
5 Press ▲▼◀▶ to select **[Time]** and set the starting time.
6 Press **[Done]** to confirm.
7 Press ▲▼◀▶ to select **[Programme no.]** and set the channel.
8 Press 确认 to confirm.
9 Press ⮌ (返回 / 频道切换) to exit.

Tip

- To switch off **[On timer]**, select **[On timer]** > **[Off]**.

Use child control

You can prevent your children from watching certain programmes or certain channels by locking the TV controls and by using ratings.

Set or change your PIN code

1 Press ⌂ (**Home**).
2 Press ▲▼◀▶ to select **[Setup]** > **[Features]** > **[Change/Set code]**.
   ↳ The **[Change/Set code]** menu appears.
3 Enter the code with the **Numeric buttons**.
   ↳ A message appears confirming that your code is created or changed.

Tip

- If you forget your code, enter '8888' to override any existing codes.

Lock or unlock the TV

Lock the TV to prevent access to all channels and connected devices.

1 Press ⌂ (**Home**).
2 Press ▲▼◀▶ to select **[Setup]** > **[Features]** > **[TV lock]**.
   ↳ A message appears prompting you to enter your PIN code.

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3 Enter your PIN code with the **Numeric buttons**.
↳ The **[TV lock]** menu appears.
4 Press ▲▼ to select **[Lock]** or **[Unlock]**.
5 Press 确认.
↳ All channels and connected devices are locked or unlocked.

Lock or unlock one or more channels

1 Press (浏览).
↳ The channel grid appears. The active channel is highlighted.
2 Press (选项).
3 Press ▲▼ to select **[Lock/Unlock chan.]**.
4 Key in your PIN code.
↳ The channel displays the lock icon.

Use the TV clock

You can display a clock on the TV screen. The clock displays the current time using time data received from your TV service operator.

Display the TV clock

1 When watching TV, press (选项).
↳ The TV options menu appears.
2 Select **[Clock]**.
3 Press 确认.
↳ The clock is displayed.

Note

- The clock is disabled automatically after five seconds. To disable the clock before that, repeat this procedure.

View photos, play music and watch video from a USB storage device

Caution

- 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 has a USB connector that enables you to view photos, listen to music or watch movies stored on a USB storage device.

Playback type	Supported file formats
Pictures	JPEG (non-progressive only)
Music	MP3
Video	MP4, RM

Note

- Only FAT or DOS-formatted USB storage devices are supported. File names must not exceed 128 characters.

Browse the USB storage device

1 Turn on the TV.
2 Connect the USB device to the USB connector on the side of the TV.
3 Press (**Home**).
↳ The home menu appears.
4 Press ▲▼◀▶ to select **[Browse USB]**.
5 Press 确认 to confirm.
↳ The USB content browser appears.

Tip

- Press (浏览) to switch between thumbnail and file browsing views.

English

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Disconnect a USB storage device

Caution

- Follow this procedure to avoid damage to your USB storage device.

1. Press ⌂ (**Home**) to exit the **[USB]** menu.
2. Wait for five seconds before disconnecting the USB storage device.

View photos

1. In the USB content browser, press ▶ to enter the **[Picture]** folder.
2. Press (浏览) to switch between thumbnail and file browsing views.
3. Press ▲▼◀▶ to select a photo.
4. Press 确认 to view a full screen image of the photo.

Tip

- When in full screen mode, press ◀▶ to move between photos.

View a slide show of your photos

1. When a full screen image of a photo is displayed, press ▶II or 确认.
   ↳ A slide show begins from the selected image.
2. Press:
   - ▶II to pause the slide show.
   - ◀◀ or ▶▶ to go back or move forward to the next image.
   - ⮌ (返回 / 频道切换) or ■ to stop the slide show and return to the USB content browser.

Change slide show settings

1. When viewing a slide show, press (选项).
   ↳ The slide show options menu appears.
2. Press ▲▼◀▶ to select from the following settings and adjust:
   - **[Start/Stop slide.]** : Starts or stops a slide show.
   - **[Slideshow transitions]** : Displays a list of transition styles.
   - **[Slideshow frequency]** : Sets the amount of time that a picture is shown.
   - **[Rotate image]** : Rotates a picture.
   - **[Set as wallpaper]** : Sets the image as wallpaper.
   - **[Show info]** : Displays the picture name, date and size of the picture in the slide show.
3. Press 确认 to confirm the setting.

Listen to music

1. Connect a USB storage device to the TV.
2. Press ▶ to enter the menu.
3. Select **[Music]**, and then press ▶ to enter the **[Music]** folder.
4. Press ▲ or ▼ to select a song.
5. Press 确认 or ▶II to play the selected song.
   - Press **OK** or ▶II to pause, press **OK** or ▶II again to resume.
   - Press ▶▶ to search-forward.
   - Press ◀◀ to search-backward.
   - Press ■ to stop playback.

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View a slideshow with music

You can view a picture slide show with background music.

1. While the TV is on, connect the USB storage device containing your pictures and the music to the TV.
2. Press ⌂ (**Home**).
3. Press ▲▼◀▶ to select **[Browse USB]** > **[Music]**.
4. Press ▲▼◀▶ to select an album of songs and press 确认.
5. Press ⮌ - 返回 to return to the USB content browser.
6. Press ▲▼◀▶ to select **[Picture]**.
7. Press ▲▼◀▶ to select an album of pictures and press 确认.

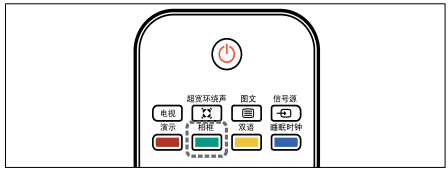
Watch video from a USB device

1. In the USB content browser, press ▶ to enter the **[Video]** folder.
2. Press ▲▼◀▶ to select a video.
3. Press 确认 or ▶II to play the video.
   - Press **OK** or ▶II to pause, press **OK** or ▶II again to resume.
   - Press ▶▶ to search-forward.
   - Press ◀◀ to search-backward.
   - Press ■ to stop playback.

Use Scenea to display a picture as TV wallpaper

You can use Scenea to display a picture as wallpaper on your TV. Make sure that the location of your TV is set to home (see 'Change TV preferences' on page 19).

Activate Scenea



Single-picture wallpaper

Press 相框 on your remote control.

↳ The default or pre-loaded picture is displayed.

Note

- To deactivate the wallpaper, press any remote control button except ⏻, ♪ (灵智声音), or ▭ (灵智图像).
- The wallpaper is also deactivated when you connect a USB storage device to the TV or start an EasyLink-compliant device through one-touch play.

Wallpaper slide show

Make sure the wallpaper is not yet activated.

1. Connect a USB storage device to the TV.
2. Press 相框.

   ↳ All pictures in the USB storage device are displayed.

Note

- If the sleep timer is off, the wallpaper is displayed for 120 minutes. Otherwise, it is displayed for the duration of the sleep timer.

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Upload a wallpaper picture from a USB device

Make sure your USB storage device contains a picture of less than 1MB.

Note

- The file size of the picture must not exceed 1MB.

1 While the TV is on, connect the USB storage device to your TV.
2 Press ⌂ (**Home**).
↳ The home menu appears.
3 Press ▲▼◀▶ to select **[Browse USB]**.
4 Press ▲▼◀▶ to navigate to the picture.
5 Press 相框.
↳ Your picture is stored as the default Scenea picture in your TV.
6 Disconnect the USB storage device.

Adjust wallpaper settings

1 Press ⌂ (**Home**).
2 Select **[Setup]** > **[Features]** > **[Scenea]**.
3 Press ▲▼◀▶ to select from the following settings:
- **[Activate]** : Enters the Scenea mode.
- **[ECO]** : Applies low-energy settings. Select **[On]** to display wallpaper with lower brightness.

Note

- Select the **[ECO]** setting before you select **[Activate]** to display Scenea wallpaper.

Update the TV software

Philips continuously tries to improve its products and we recommend that you update the TV software when updates are available. Check www.philips.com/support for availability.

Check the current software version

1 Press ⌂ (**Home**).
2 Select **[Setup]** > **[Software update]** > **[Current software]**.

Download the software

1 On your PC, open a web browser and go to www.philips.com/support.
2 Download the latest software upgrade file to your PC.
3 Decompress the ZIP-file.
4 Copy the autorun.upg file to the root directory of the USB device.

Update software (analogue broadcasts)

Before you perform this procedure, make sure you have:
- Enough time to complete the entire update.
- A USB storage device with at least 64MB of storage space.
- Access to a computer with a USB port and internet access.

1 Switch on the TV set.
2 Connect the USB storage device to the TV.
3 Press ▲▼◀▶ to select **[Setup]** > **[Software update]** > **[Local update]**.
4 Press 确认
5 Follow the on-screen instructions to complete the software update.

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Change TV preferences

The **[Preferences]** menu allows you to customise various features and functions.

1. Press ⌂ (**Home**).
2. Select **[Setup]** > **[Installation]** > **[Preferences]**.
   - **[Location]** : Optimises TV settings for your location - home or shop.
   - **[Volume bar]** : Displays the volume bar when you adjust the volume.
   - **[EasyLink]** : Enables one-touch play and one-touch standby between EasyLink-compliant devices.
   - **[Pixel Plus Link]** : Overrides the settings of connected devices and uses the settings of the TV.
   - **[E-sticker]** : For shop mode only. Sets the location of the e-sticker.

Start a TV demo

You can use demonstrations to better understand the features of your TV. Some demos are not available on certain models. Available demos are displayed in the menu list.

1. Press 演示.
2. Press ▲ or ▼ to select a demo.
3. Press 确认 to start the demo.
4. Follow on-screen instructions to view the demo.
5. Press 演示 to exit.

Reset the TV to factory settings

You can restore the default picture and sound settings of your TV. The channel installation settings remain the same.

1. Press ⌂ (**Home**).
2. Select **[Setup]** > **[Installation]** > **[Factory settings]**.
3. Press ▶ to enter the **[Factory settings]** menu.
   ↳ **[Reset]** is highlighted.
4. Press 确认 to reset to default settings.
5. Press ⌂ (**Home**) to exit.

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6 Install channels

Automatically install channels

This section describes how to search and store channels automatically.

1. Press ⌂ (**Home**).
2. Select **[Installation]** > **[Channel install.]** > **[Channel assistant]**.
3. Press 确认.
4. Follow the on-screen instructions to install channels.

Manually install channels

This section describes how to search and store analogue TV channels manually.

Step 1 Select the colour and sound system

1. Press ⌂ (**Home**).
2. Press ▲▼◀▶ to select **[Setup]** > **[Installation]** > **[Channel install.]** > **[Analogue: Manual]**.
   ↳ The **[Analogue: Manual]** menu appears.
3. Press ▲▼◀▶ to select and enter **[Colour system]**.
   ↳ A list of available colour systems appears.
4. Press ▲▼ to select your colour system and then press 确认.
5. Press ◀ to return to the **[Analogue: Manual]** menu.
6. Press ▲▼◀▶ to select and enter **[Sound system]**.
   ↳ A list of available sound systems appears.
7. Press ▲▼ to select your sound system and then press 确认.

Step 2 Search and store new TV channels

1. Press ⌂ (**Home**).
2. Press ▲▼◀▶ to select **[Setup]** > **[Installation]** > **[Channel install.]** > **[Analogue: Manual]**.
   ↳ The **[Analogue: Manual]** menu appears.
3. Press ▲▼◀▶ to select and enter **[Search]**.
4. Press ▲▼ or use the numeric buttons to manually enter the three-digit frequency.
5. Press 确认 to begin search.
6. Press ⮌ - 返回 when the new channel is found.
7. Press ▲▼ to select **[Store new channel]** to store the new channel under a new channel number.
8. Press ▶ to enter **[Store new channel]**.
9. Press ◀▶ to select **[Yes]** and press 确认 to store the new channel.
10. Press ⌂ (**Home**) to exit.

Rename channels

You can rename channels. The name appears when you select the channel.

1. Press ☰ (浏览).
2. Press ▲▼◀▶ to highlight a channel in the channel grid.
3. Press ☰ (选项).
4. Press ▲▼◀▶ to select and enter **[Rename channel]**.
5. Press ▲▼◀▶ to select characters.
6. Press 确认 to confirm each of the characters.

Tip

- Rename channels - a channel name can be up to six characters long.
- Press **[Aa]** to change an uppercase letter to a lowercase letter and vice versa.

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Reorder channels

After you install channels, you can rearrange the order in which they appear.

1. When watching TV, press (浏览) to display the channel grid.
2. Press (选项).
   ↳ The channel options menu appears.
3. Press ▲▼◀▶ to select **[Reorder]**.
4. Select the channel you want to reorder and press 确认.
5. Press ▲▼◀▶ to select the new position for the channel.
6. Press 确认 to confirm the new position.
7. Press (选项).
   ↳ **[Done reordering]** appears.
8. Press 确认 to finish reordering.

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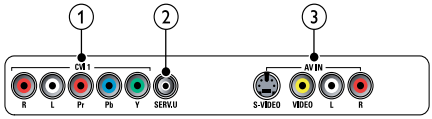
7 Connect devices

This section describes how to connect various devices with different connectors and supplements examples provided in the Quick Start.

Note

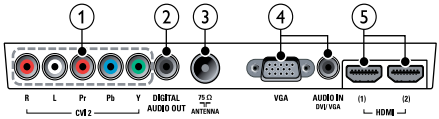
- Different types of connectors may be used to connect a device to your TV, depending on availability and your needs. A comprehensive interactive guide to help you connect your product is available at www.connectivityguide.philips.com.

Back connectors



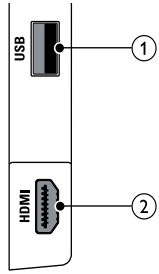
1. **CVI 2 (Y Pb Pr and AUDIO L/R)**
   Analogue audio and video input from analogue or digital devices such as DVD players or game consoles.
2. **SERV. U**
   For use by service personnel only.
3. **AV IN (S-VIDEO, VIDEO, and AUDIO L/R)**
   Video input for analogue devices such as DVD, camcorder, game console etc. To be used with audio input.

Bottom connectors



1. **CVI 1 (Y Pb Pr and AUDIO L/R)**
   Analogue audio and video input from analogue or digital devices such as DVD players or game consoles.
2. **DIGITAL AUDIO OUT**
   Digital audio output to home theatres and other digital audio systems.
3. **ANTENNA**
   Signal input from an antenna, cable or satellite.
4. **VGA and AUDIO IN**
   Audio and video input from a computer.
5. **HDMI**
   Digital audio and video input from high-definition digital devices such as Blu-ray players.

Side connectors



1. **USB**
   Data input from USB storage devices.
2. **HDMI**
   Digital audio and video input from high-definition digital devices such as Blu-ray players.

Connect a computer

- Before you connect a computer to the TV, set the monitor refresh rate on your computer to 60Hz.
- Connect your computer to the TV.
- Press (格式) and change the TV picture format to **[Unscaled]**.

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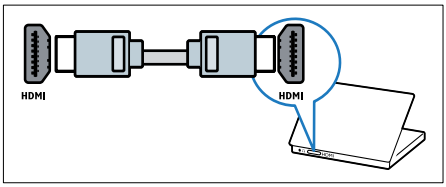
Connect a computer with one of the following connectors:

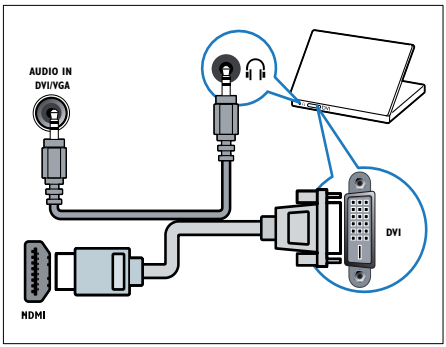
Note

- Connections via DVI or VGA require an additional audio cable.

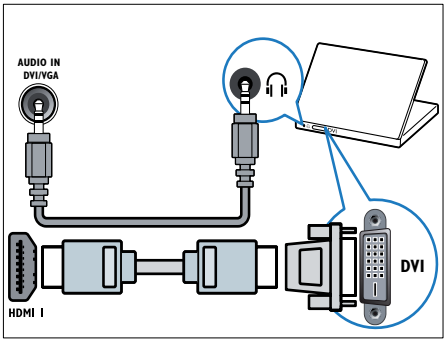
- HDMI cable



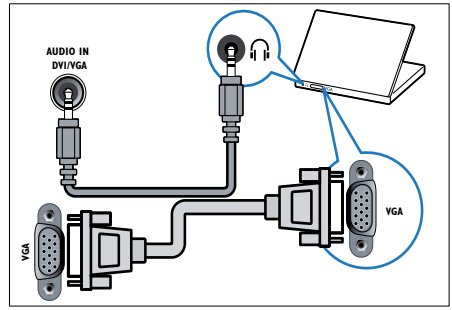
- DVI-HDMI cable



- HDMI cable and HDMI-DVI adaptor



- VGA cable



Assign devices

After a device is connected, assign it to a connector. This allows you to easily identify devices connected to your TV.

1. Press ⌂ (**Home**).
2. Select **[Add new device]** and press 确认.
3. Select **[Start]** and press 确认.
4. Press ▲ or ▼ to select a device and press ▶.
5. Press ▲ or ▼ to select the connector your device is connected to and press ▶.
6. If available, press ▲ or ▼ to select the audio connector your device is connected to and press ▶.
7. Switch on your device and check for video and audio output.
8. If there is video and audio output, press 确认.

Repeat the procedure until all devices are correctly assigned to connectors.

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Use Philips EasyLink

Your TV supports Philips EasyLink, which uses the HDMI CEC (Consumer Electronics Control) protocol. EasyLink-compliant devices that are connected through HDMI connectors can be controlled by a single remote control.

Note

- Philips does not guarantee 100% interoperability with all HDMI CEC devices.

Note

- The EasyLink-compliant device must be switched on and selected as the source.

EasyLink features

One-touch play

When you connect your product to devices that support one-touch play, you can control your product and the devices with one remote control. For example, when you press Play on your DVD remote control, your TV automatically switches to the correct channel to show the DVD content.

One-touch standby

When you connect your TV to devices that support standby, you can use your TV remote control to put your TV and all connected HDMI devices in standby mode.

System audio control

When you connect your TV to HDMI CEC compliant devices, your TV can switch automatically to play audio from the connected device.

To use one-touch audio, you must map the audio input from the connected device to your TV.

You can use the remote control from the connected device to adjust the volume.

Remote control (RC) key forwarding

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

EasyLink buttons

You can control EasyLink-compliant devices with the following buttons on the remote control of your TV.

Button	EasyLink function
▶❚❚ (**Play/ Pause**)	Starts, pauses or resumes playback on your EasyLink device.
■ (**Stop**)	Stops playback on your EasyLink device.
● (**Record**)	Starts or stops video recording on your EasyLink device.
◀◀ (**Fast Backward**)	Searches backward.
▶▶ (**Fast Forward**)	Searches forward.
0-9 (**Numeric buttons**)	When EasyLink is enabled, selects a title, chapter or track.
▲▼◀▶	Navigates through the menus of the EasyLink-compliant device.
确认	Activates a selection or accesses the menu of the EasyLink-compliant device.
(选项)	Displays the menus of the EasyLink-compliant device. Note that when ⌂ (**Home**) is pressed, the TV menu is displayed.
⏻ (**Standby-On**)	When EasyLink is enabled, switches the TV and all EasyLink devices to standby. Press and hold ⏻ (**Standby-On**) for at least 3 seconds.

Tip

- Press 电视 to switch back to the aerial source from EasyLink mode.

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Enable or disable EasyLink

Note

- Do not enable Philips EasyLink if you do not intend to use it.

1 Press ⌂ (**Home**).
2 Select **[Installation]** > **[Preferences]** > **[EasyLink]**.
3 Select **[ON]** or **[OFF]**.

Enable or disable remote control key forwarding

1 Press ☰ (选项).
2 Select **[En./Dis. RC pass.]**.
3 Press 确认.
4 Press ▲ or ▼ to highlight an HDMI connector.
5 Press 确认 to enable RC key forwarding for the selected HDMI connector.

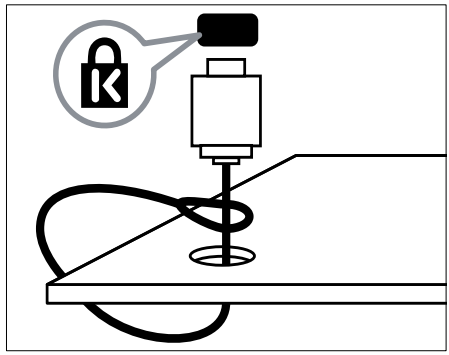
Set TV speakers to EasyLink mode

When you play content from an EasyLink compliant home theater, the TV speakers are automatically muted.

1 Press ⌂ (**Home**).
2 Press ▲▼◀▶ to select **[Setup]** > **[Sound]**.
↳ The **[Sound]** menu appears.
3 Select **[TV speakers]**.
↳ The **[TV speakers]** menu appears.
4 Select **[Auto (EasyLink)]**.
↳ TV speakers are set to EasyLink mode.

Use a Kensington lock

There is a Kensington security slot at the bottom of the TV. Prevent theft by looping a Kensington lock between the slot and a permanent object, such as a heavy table.



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8 Product information

Product information is subject to change without notice. For detailed product information, go to www.philips.com/support.

Supported display resolutions

Computer formats (HDMI/VGA)

Resolution	Refresh rate (Hz)
640 x 480	60
800 x 600	60
1024 x 768	60
1280 x 1024	60
1360 x 768	60
1920 x 1080	60

Video formats (HDMI/YPbPr)

Resolution	Refresh rate (Hz)
720 x 480i	60
720 x 576i	50
720 x 480p	60
720 x 576p	50
1280 x 720p	50, 60
1920 x 1080i	50, 60
1920 x 1080p	24, 25, 30, 50, 60

Tuner/Reception/ Transmission

- Antenna input: 75ohm coaxial (IEC75)
- TV system: PAL
- Video playback: NTSC, PAL

Multimedia

- Connection: USB
- Playback formats: MP4, JPEG, JPG, MP3

Video playback via USB:

Container	Video codec	Audio codec	File extension
Mpeg1	Mpeg-1	Mpeg audio	.dat .mpg
Mpeg4	Mpeg-4	AAC	.avi .mp4
RealMedia	Real Media 8/9/10	AAC, Cook	.rm .rmvb

Remote control

- Batteries: 2 x AAA (R03 type)

Power

- Mains power: AC 220-240 (50-60Hz)
- Standby power: < 0.15W
- Ambient temperature: 5 to 35 degrees Celsius

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Supported TV mounts

To mount the TV, purchase a Philips TV mount. To prevent damage to cables and connectors, be sure to leave a clearance of at least 2.2 inches or 5.5cm from the back of the TV.

Warning

- Follow all instructions provided with the TV mount. Koninklijke Philips Electronics N.V. bears no responsibility for improper TV mounting that results in accident, injury or damage.

TV screen size	Wall bracket type	Screw size
32" - 40"	200 x 200 mm	M6
46" - 52"	300 x 300 mm	M8

Product specification

Design and specifications are subject to change without notice.

32PFL5605

- Without TV stand
  - Dimension (WxHxD): 790 x 501 x 92 (mm)
  - Weight: 10 kg
- With TV stand
  - Dimension (WxHxD): 790 x 542 x 221 (mm)
  - Weight: 11.5 kg

40PFL5605

- Without TV stand
  - Dimension (WxHxD): 977 x 605 x 86 (mm)
  - Weight: 13.7 kg
- With TV stand
  - Dimension (WxHxD): 977 x 649x 236 (mm)
  - Weight: 16.1 kg

46PFL5605

- Without TV stand
  - Dimension (WxHxD): 1122 x 685 x 87 (mm)
  - Weight: 17.9 kg
- With TV stand
  - Dimension (WxHxD): 1122 x 731 x 268 (mm)
  - Weight: 21.3 kg

Note

- Design and specifications are subject to change without notice.

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9 Troubleshooting

This section describes commonly encountered issues and accompanying solutions.

General TV issues

The TV does not switch on:

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

The remote control is not working properly:

- Check that the remote control batteries are correctly inserted according to the +/- orientation.
- Replace the remote control batteries if they are flat or weak.
- Clean the remote control and TV sensor lens.

The standby light on the TV blinks red:

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

You forgot the code to unlock the child lock feature

- Enter '8888'.

The TV menu is in the wrong language.

- Change the TV menu to your preferred language.

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

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

TV channel issues

Previously installed channels do not appear in the channel list:

- Check that the correct channel list is selected.

Picture issues

The TV is on, but there is no picture:

- Check that the antenna is properly connected to the TV.
- Check that the correct device is selected as the TV source.

There is sound but no picture:

- Check that the picture settings are correctly set.

There is poor TV reception from an antenna connection:

- Check that the antenna is properly connected to the TV.
- Loudspeakers, 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:

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

The TV did not save your picture settings:

- Check that the TV location is set to the home setting. This mode offers you the flexibility to change and save settings.

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

- Try using a 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.

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Sound issues

There is a picture but sound quality is poor:

Note

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

- Check that all cables are properly connected.
- Check that the volume is not set to 0.
- Check that the sound is not muted.

There is a picture but the sound quality is poor:

- Check that the sound settings are correctly set.

There is a picture but sound comes from one speaker only:

- Verify that sound balance is set to the centre.

HDMI 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 a HDMI device.
- If the TV does not recognize the HDMI device and no picture is displayed, try switching the source from one device to another and back again.
- If there are intermittent sound disruptions, check that output settings from the HDMI device are correct.
- If you use an HDMI-to-DVI adapter or HDMI to DVI cable, check that an additional audio cable is connected to **AUDIO L/R** or **AUDIO IN** (mini-jack only).

Computer connection issues

The computer display on the TV is not stable:

- Check that your PC uses the supported resolution and refresh rate.
- Set the TV picture format to unscaled.

Contact us

If you cannot resolve your problem, refer to the FAQs for this TV at www.philips.com/support.

If the problem remains unresolved, contact Philips Consumer Care in your country as listed in this user manual.

Warning

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

Note

- Make a 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.

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