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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.

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 Support for service or repairs.



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

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.

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.

Mains fuse (UK only)

This TV is fitted with an approved moulded plug. Should it become necessary to replace the mains fuse, this must be replaced with a fuse of the same value as indicated on the plug (example 10A).

- 1 Remove fuse cover and fuse.
- 2 The replacement fuse must comply with BS 1362 and have the ASTA approval mark. If the fuse is lost, contact your dealer in order to verify the correct type.
- 3 Refit the fuse cover.

In order to maintain conformity to the EMC directive, the mains plug on this product must not be detached from the mains cord cable.

Copyright

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



HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC. All other registered and unregistered trademarks are the property of their respective owners.

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.

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.

ECO-Green



- High energy efficiency
- Low standby power
- Designed to facilitate recycling

Philips continuously focuses on lowering the environmental impact of its innovative consumer products. We aim our efforts towards environmental improvements during manufacturing, reduction of harmful substances, energy-efficient use, end-of-life instructions and product recycling.

Thanks to our environmental effort, this TV has been awarded the European Ecolabel –the flower– www.ecolabel.eu

You can find detailed information on standby energy consumption, warranty policy, spare parts and recycling of this TV on the Philips website for your country at www.philips.com. This TV has features that contribute to energy-efficient use. This TV was awarded the European Ecolabel for its environmental qualities.

Energy efficiency features

- **Energy saving**
The energy saving setting of the TV combines several TV settings that result in saving energy. See the smart settings in the setup menu.
- **Low standby power consumption**
The class-leading and highly advanced power circuitry brings down the power consumption of the TV to an extremely low level, without losing out on the constant standby functionality.

Power management (Available in selected models only)

The advanced power management of this TV ensures the most efficient use of its energy. You can check how your personal TV settings, the level of brightness in current onscreen pictures and the surrounding light conditions determine the relative power consumption.

End of use

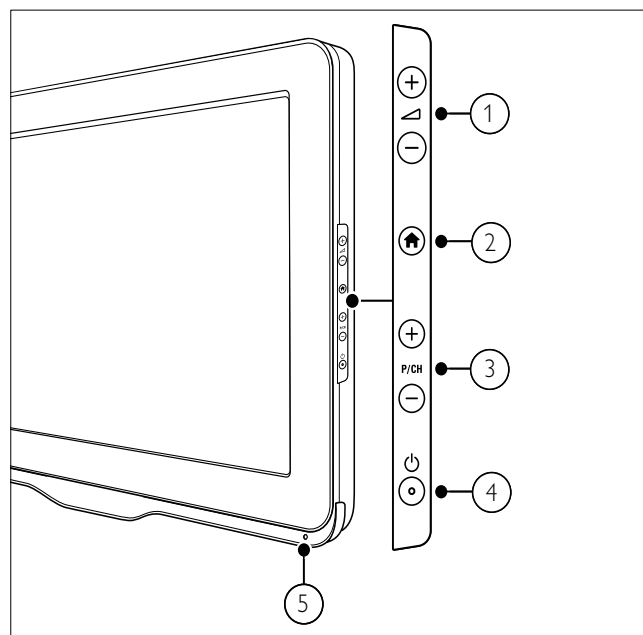
To inform yourself on the correct disposal of the TV and batteries, refer to 'Disposal of your old product and batteries' in the user manual (see 'Disposal of your old product and batteries' on page 5).

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.

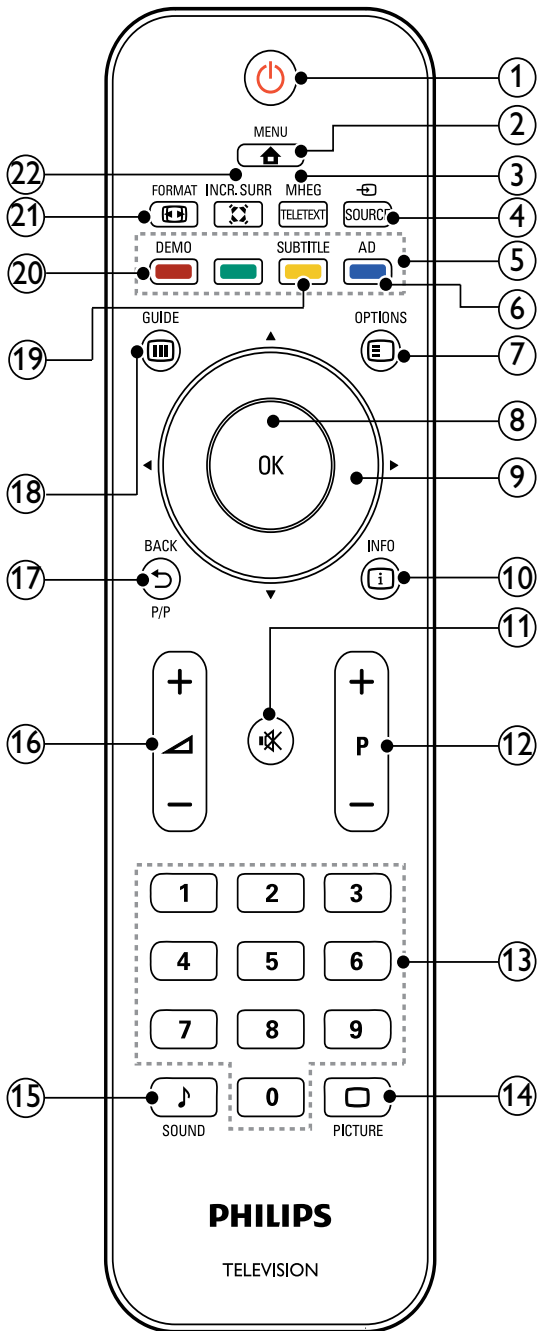
This section gives you an overview of commonly used TV controls and functions.

Side controls and indicators



- ① ▲ +/-: Increases or decreases volume.
- ② 🏠 (Home): Toggles the home menu on or off.
- ③ P/CH +/-: Switches to the next or previous channel.
- ④ ⏻ (Power): Switches the product on or off. The product is not powered off completely unless it is physically unplugged.
- ⑤ Remote control sensor.

Remote control

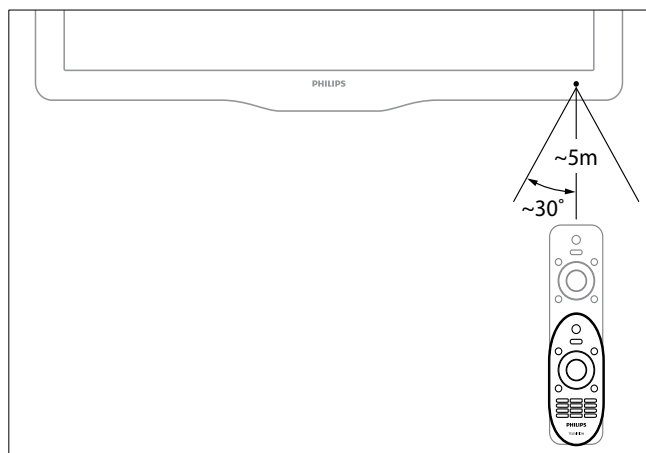


- ① **⏻ (Standby-On)**
 - Switches the TV to standby if it is on.
 - Switches on the TV if it is in standby.
- ② **☰ MENU**
Toggles the main menu on or off.
- ③ **MHEG/TELETEXT**
Toggles teletext on or off.
- ④ **📺 SOURCE**
Selects connected devices.
- ⑤ **Colour buttons**
Selects tasks or options.
- ⑥ **AD (Audio Descriptor) (For RF Digital TV only)**
UK only: Enables audio commentary for the visually handicapped.
- ⑦ **☰ OPTIONS**
Accesses options relating to the current activity or selection.
- ⑧ **OK**
Confirms an entry or selection and displays the channel grid, when watching TV.
- ⑨ **▲▼◀▶ (Navigation buttons)**
Navigates menus.
- ⑩ **📄 INFO**
Displays program information, when available. If the information spans multiple pages, press **OPTIONS** to go to the next page.
- ⑪ **🔇 (Mute)**
Mutes or restores volume.
- ⑫ **P +/- (Programme +/-)**
Switches to the next or previous channel. When the TV menu is on, this functions as Page Up / Down.
- ⑬ **0-9 (Numeric buttons)**
Selects a channel or setting.
- ⑭ **🖼️ PICTURE (Smart picture)**
Launches the picture menu.

- ⑮ **♪ SOUND (Smart Sound)**
Launches the sound menu.
- ⑯ **↔ +/- (Volume +/-)**
Increases or decreases volume.
- ⑰ **↶ BACK P/P (Previous channel)**
- Returns to a previous screen.
 - Returns to the previously viewed channel.
- ⑱ **☰ GUIDE**
Switches between channel grid and programme list.
- ⑲ **SUBTITLE (For RF Digital TV only)**
Enables or disables subtitles.
- ⑳ **DEMO (Used in selected models only)**
Toggles the demonstration menu on or off.
- ㉑ **🖼️ FORMAT**
Selects a picture format.
- ㉒ **🔊 INCR. SURR**
Enables Incredible Surround for stereo sources. Enables spatial mode for mono sources.

Remote control usage

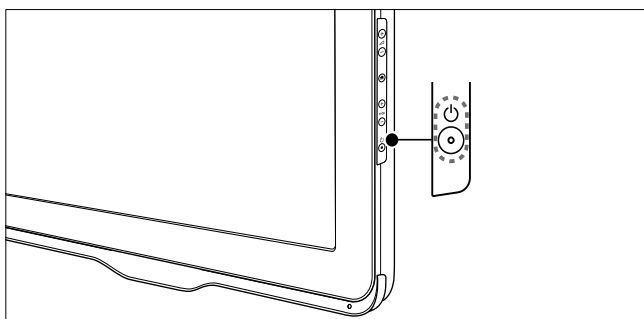
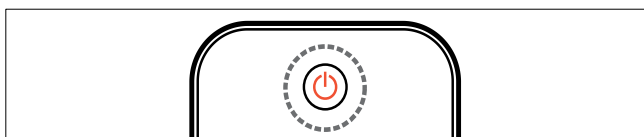
When using the remote control, hold it close to the TV and point it at the remote control sensor. Make sure that the line-of-sight between the remote control and TV is not blocked by furniture, walls or other objects.



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)** at the side 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 **⏻ (Power)** at the side 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.

Note

- If you cannot locate your remote control and want to switch on the TV from standby, press **P/CH +/-** on the side of the TV.

Switch channels

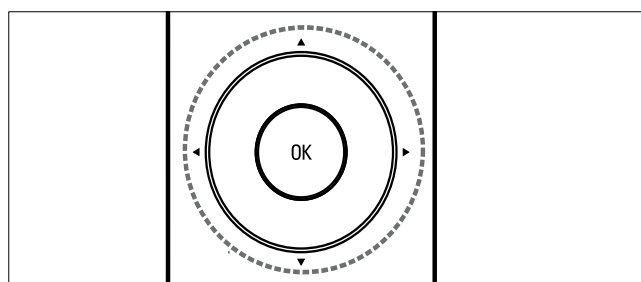
- Press **P +/-** on the remote control or **P/CH +/-** on the side of the TV.
- Enter a channel number using the **Numeric buttons**.
- Press **OK** to use the channel grid.
- Press **↩ BACK P/P** on the remote control to return to the previous channel.

Note

- When you use a favourite list, you can only select those channels in the list (see 'Select a favourite list' on page 16).

Switch channels with the channel grid

The channel grid allows you to view all available channels in a grid format.



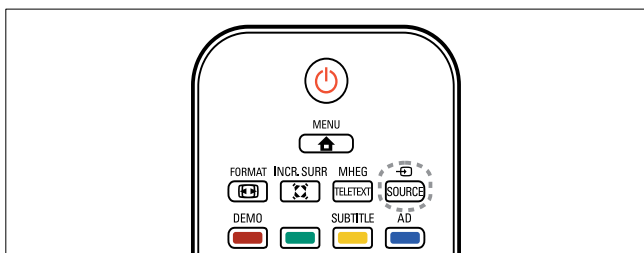
- 1 Press **OK**.
↳ The channel grid appears.
- 2 Press **▲▼◀▶** to browse the channel grid.
- 3 Press **OK** to select a channel.

Watch connected devices

Note

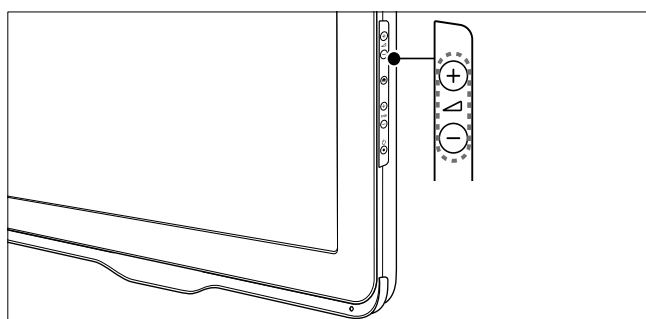
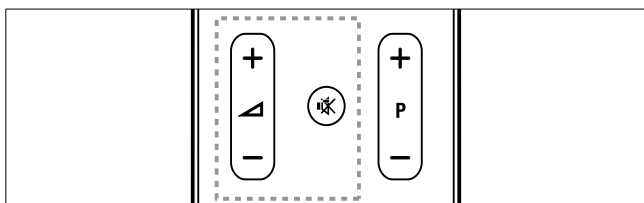
- Switch on the device before selecting it as a source on the TV.

Use the source button



- 1 Press **SOURCE**.
↳ The source list appears.
- 2 Press **▲▼** to select a device.
- 3 Press **OK** to confirm your choice.
↳ The TV switches to the selected device.

Adjust TV volume



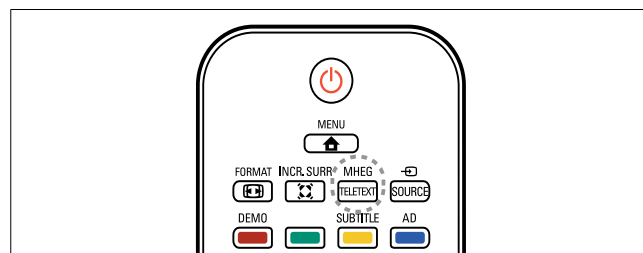
To increase or decrease volume

- Press **▲▼** +/-.

To mute or unmute sound

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

Use teletext



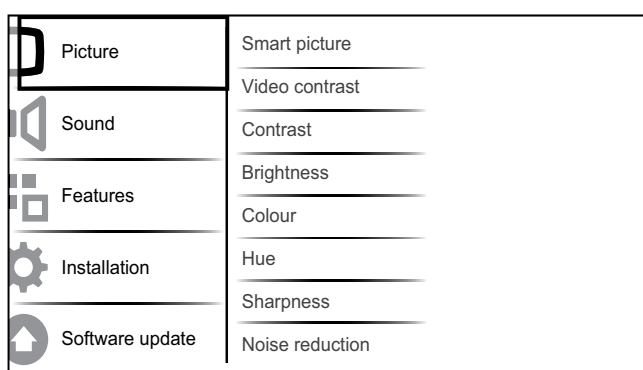
- 1 Press **MHEG/TELETEXT**.
↳ The main index page appears.
- 2 Select a page as follows:
 - Press the **Numeric buttons** to enter a page number
 - Press **P +/-** to view the next or previous page
 - Press the **Colour buttons** to select a colour coded item
 - Press **↶ BACK** to return to a previously viewed page
- 3 Press **MHEG/TELETEXT** to exit teletext.

5 Use more of your TV

Access TV menus

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

- 1 Press **MENU**.
↳ The menu screen appears.



- 2 Press **▲▼◀▶** to select and navigate through one of the following menus.
 - **[Picture]** : Adjusts the picture setting for optimal viewing.
 - **[Sound]** : Adjusts the sound setting.
 - **[Features]** : Accesses different features like timer and TV lock.
 - **[Installation]** : Selects channel installation menu, adjusts preferences and resets the TV to factory settings.
 - **[Software update]** : Updates the TV software.
- 3 Press **OK** to confirm your choice.
- 4 Press **MENU** to exit.

Change picture and sound settings

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

Note

- When watching TV or using external devices, press **OPTION** then select **[Picture and sound]** for quick access to picture and sound settings.

Use smart picture

Use smart picture to apply pre-defined picture settings.

- 1 Press **PICTURE**.
↳ The **[Smart picture]** menu appears.
- 2 Press **▲▼** to select one of the following settings.
 - **[Vivid]**: Applies rich and dynamic settings.
 - **[Standard]**: Adjusts picture settings to suit most environments and types of video.
 - **[Cinema]**: Applies settings for movie viewing.
 - **[Game]**: Applies settings for games.
 - **[Energy saving]**: Applies low-energy settings.
 - **[Natural]**: Applies the best picture quality.
 - **[Custom]**: Lists customised picture settings.
- 3 Press **OK** to confirm your choice.
↳ The selected smart picture setting is applied.

Manually adjust picture settings

- 1 Press **MENU**.
- 2 Select **[Picture]** and press **OK**.
- 3 Press **▲▼◀▶** to select the following settings.
 - **[Smart picture]**: Accesses pre-defined smart picture settings.
 - **[Video contrast]**: Adjusts the intensity of video contents, keeping backlight unchanged.
 - **[Contrast]**: Adjusts the intensity of backlight areas, keeping video contents unchanged.
 - **[Brightness]**: Adjusts the intensity and details of dark areas.
 - **[Colour]**: Adjusts colour saturation.
 - **[Hue]**: Compensates for colour variations.
 - **[Sharpness]**: Adjusts sharpness in the image.
 - **[Noise reduction]**: Filters and reduces noise in an image.
 - **[Tint]**: Adjusts the colour balance in an image.
 - **[Custom tint]**: Customises tint setting. (Only available if **[Tint]** > **[Custom]** is selected)
 - **[Digital Crystal Clear]**: Fine-tunes each pixel to match surrounding pixels. This produces a brilliant, high-definition image.
 - **[Dynamic contrast]**: Enhances contrast. A **[Medium]** setting is recommended.
 - **[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.
 - **[PC mode]**: Adjusts the picture when a PC is connected to the TV via HDMI or DVI.
 - **[Picture format]**: Changes the picture format.

- **[Picture size]**: Adjusts the viewing area. (when set to maximum, you might see noise or a rough edge of an image.)
- **[Horizontal shift]**: Adjusts the picture horizontally for PC-VGA or HDMI input.
- **[Vertical shift]**: Adjusts the picture vertically for PC-VGA or HDMI input.

Change picture format

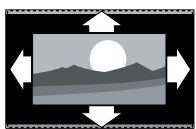
- 1 Press **FORMAT**.
↳ A picture format bar appears.
- 2 Press **▲▼** to select a picture format.
↳ The selected picture format is activated.
- 3 Press **OK** to confirm your choice.

Summary of picture formats

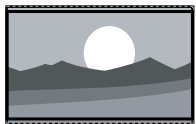
The following picture settings can be configured.

Note

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



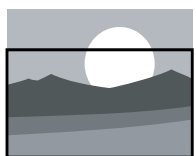
[Auto format]: (Not for PC mode.) Enlarges the picture automatically to best fit the screen. The subtitles remain visible.



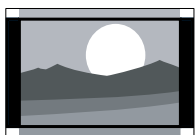
[Super zoom]: (Not for HD and PC mode.) Removes the black bars on the side of 4:3 broadcasts. There is minimal distortion.



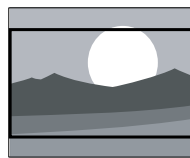
[4:3]: Shows the classic 4:3 format.



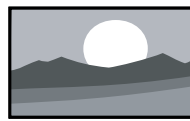
[Subtitle zoom]: (Not for HD and PC mode) Displays 4:3 pictures over the full area of the screen, with sub-titles visible. Part of the top of the picture is clipped off.



[Movie expand 14:9]: (Not for HD and PC mode.) Scales 4:3 format to 14:9.



[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 **SOUND**.
↳ The **[Smart sound]** menu appears.
- 2 Press **▲▼** to select the following settings.
 - **[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.
 - **[Custom]** : Applies the settings that were customised in the sound menu.
- 3 Press **OK** to confirm your choice.
↳ The selected smart sound setting is applied.

Manually adjust sound settings

- 1 Press **MENU**.
- 2 Press **▲▼** to select **[Sound]** and press **OK**.
- 3 Press **▲▼◀▶** to select the following settings.
 - **[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.
 - **[Surround]** : Enables spatial sound.
 - **[Headphone volume]** : Adjusts headphone volume. (Available only when the headphones are connected to the TV).
 - **[Auto volume levelling]** : Automatically reduces sudden volume changes, for example, when switching channels.
 - **[Delta volume]** : Levels out volume differences between channels or connected devices. Switch to the connected device before you change the delta volume.

Use advanced teletext features

Access the teletext options menu

Access the teletext features through the teletext options menu.

- 1 Press **MHEG/TELETEXT**.
 - ↳ The teletext screen appears.
- 2 Press **☰ OPTIONS**.
 - ↳ The teletext options menu appears.
- 3 Press **▲▼** to select one of the following options.
 - **[Freeze page]** : Freezes the current page.
 - **[Reveal]** : Hides or reveals hidden information on a page, such as solutions to riddles or puzzles.
 - **[Cycle subpage]** : Cycles through subpages automatically if subpages are available.
 - **[Language]** : Switches to a different language group to display a language correctly when it uses a different character set.
- 4 Press **▲▼◀▶** to make a selection, then press **OK** to confirm.
- 5 Press **↩ BACK** to exit the teletext options menu.

Select teletext subpages

A teletext page can hold several subpages. Subpages are displayed on a bar next to the main page number.

- 1 Press **MHEG/TELETEXT**.
 - ↳ The teletext screen appears.
- 2 Press **P +/-** to select a teletext page.
- 3 Press **◀▶** to enter a subpage.

Select T.O.P. teletext broadcasts

Table Of Pages (T.O.P.) teletext broadcasts allow you to jump from one subject to another without using page numbers. T.O.P. teletext is not broadcast on all TV channels.

- 1 Press **MHEG/TELETEXT**.
↳ The teletext screen appears.
- 2 Press **INFO**.
↳ The T.O.P. overview appears.
- 3 Press **▲▼◀▶** to select a subject.
- 4 Press **OK** to view the page.

Create and use list of favourite channels

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

Select a favourite list

- 1 When watching TV, press **OK** to display the channel grid.
- 2 Press **OPTIONS**.
↳ The channel options menu appears.
- 3 Press **▲▼** to select **[Select list]**, then press **OK** to enter.
↳ The channel list options appear.
- 4 Select **[Favourite]**, then press **OK**.
↳ Only channels in the favourite list appear in the channel grid.

Note

- The favourite channel grid is empty until you add channels into the favourite lists.

View all channels

You can exit a favourite list, and view all installed channels.

- 1 When watching TV, press **OK**.
↳ The channel grid appears.
- 2 Press **OPTIONS**.
↳ The channel options menu appears.
- 3 Press **▲▼** to select **[Select list]**, then press **OK** or **▶** to enter.
- 4 Select **[All]**, then press **OK**.
↳ All channels are displayed in the channel grid.

Note

- All favourite channels are marked by an asterisk when you view the channel grid.

Add a channel to a favourite list

- 1 When watching TV, press **OK**.
↳ The channel grid appears.
- 2 Press **▲▼◀▶** to select a channel to add to a favourite list.
- 3 Press **OPTIONS**.
↳ The channel options menu appears.
- 4 Select **[Mark as favourite]**, then press **OK**.
↳ The channel is added to the favourite list.

Note

- All favourite channels are marked by an asterisk in the channel grid.

Remove a channel from a favourite list

- 1 When watching TV, press **OK**.
↳ The channel grid appears.
- 2 Press **▲▼◀▶** to select a channel to remove.
- 3 Press **☰** **OPTIONS**.
- 4 Select **[Unmark as favourite]**, then press **OK**.
↳ The channel is removed.

Use the TV clock

You can display a clock on the TV screen.

Set the TV clock

- 1 Press **🏠** **MENU**.
- 2 Press **▲▼◀▶** to select **[Features]** > **[Clock]**
↳ The **[Clock]** menu appears.
- 3 Press **▲▼◀▶** to enter time.
- 4 Select **[Done]** and press **OK** to confirm.
- 5 Press **🏠** **MENU** to exit.

Display the TV clock

- 1 When watching TV, press **☰** **OPTIONS**.
↳ The TV option menu appears.
- 2 Select **[Clock]**.
- 3 Press **OK**.

Use timers

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



Tip

- Set the TV clock before you use timers.

Automatically switch the TV to standby (sleep timer)

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



Tip

- You can switch off your TV earlier or reset the sleep timer during the countdown.

- 1 Press **🏠** **MENU**.
- 2 Press **▲▼◀▶** to select **[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, the sleep timer is switched off.
- 4 Press **OK** to switch on the sleep timer.
↳ The TV switches to standby after the specified 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 **MENU**.
- 2 Press **▲▼◀▶** to select **[Features]** > **[On timer]**.
- 3 Press **▶** to enter the **[On timer]** menu.
 - **[Activate]**: Selects how often the TV is switched on.
 - **[Time]**: Sets the time to switch on the TV.
 - **[Programme no.]**: Selects the channel or the connected device.
- 4 Press **MENU** to exit.



Tip

- Select **[On timer]** > **[Activate]** > **[Off]** to disable this feature.
- When **[On timer]** is switched off, only **[Activate]** option is available.

Use TV locks

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

Set or change your PIN code

- 1 Press **MENU**.
- 2 Press **▲▼◀▶** to select **[Features]** > **[Set code]** / **[Change code]**.
 - ↳ The **[Set code]** / **[Change code]** menu appears.
- 3 Enter your code using the **Numeric buttons**.
 - ↳ Follow the on-screen instructions to create or change your PIN code.



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 **MENU**.
- 2 Press **▲▼◀▶** to select **[Features]** > **[TV lock]**.
 - ↳ You are prompted to enter your PIN code.
- 3 Enter your code using **Numeric buttons**.
 - ↳ The **[TV lock]** menu appears.
- 4 Press **▲▼** to select **[Lock]** or **[Unlock]**.
- 5 Press **OK** to confirm.
 - ↳ All channels and connected devices are locked or unlocked.
- 6 Press **MENU** to exit.



Note

- Switch the TV off and on again for the change to take effect.
- If you select **[Lock]**, you have to enter your code every time you turn on your TV.

Lock or unlock one or more channels

- 1 When watching TV, press **OK** to display the channel grid.
- 2 Press **▲▼◀▶** to select a channel to lock or unlock.
- 3 Press **☰** **OPTIONS**.
- 4 Press **▲▼** to select **[Lock channel]** or **[Unlock channel]**.
- 5 For each selection, press **OK** to lock or unlock the channel.
 - ↳ You are prompted to enter your PIN code.
- 6 Enter your code and press **OK**.
 - ↳ If the channel is locked, a lock icon is displayed.
- 7 Repeat the process to lock or unlock more channels.

Note

- Switch the TV off and on again for the change to take effect.
- If you access the locked channels by pressing **P +/-** on the remote control or from the channel grid, you are prompted to enter your PIN code.

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 **▲** **MENU**.
- 2 Press **▲▼◀▶** to select **[Software update]** > **[Current software inf]**.
 - ↳ The TV displays the current software information.

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 using a USB device

- 1 Connect your USB device to the USB port at the side of your TV.
- 2 Press **▲** **MENU**.
- 3 Press **▲▼◀▶** to select **[Software update]** > **[Local updates]** > **[USB]**.
- 4 Press **OK** to update the TV software manually.
- 5 Follow the on-screen instructions to complete the update.

Note

- The TV restarts after the software update is complete.

Disconnect a USB storage device

Caution

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

- 1 Wait for five seconds before you disconnect the USB storage device.

Change TV preferences

Use the preferences menu to customise your TV settings.

- 1 Press **MENU**.
- 2 Press **▲▼◀▶** to select **[Installation] > [Preferences]**.
 - **[Volume bar]**: Displays the volume bar when you adjust the volume.
 - **[EasyLink]**: Enables one-touch play and one-touch standby between EasyLink-compliant devices.
- 3 Press **▲▼◀▶** to select your preference.
- 4 Press **OK**.
- 5 Press **MENU** to exit.

Access decoder channel

You can map channels provided through a decoder or descrambler to your TV channel selection. In this way, you can select these channels by using the RC of your TV. The decoder or a descrambler must be connected to **EXT 1 (SCART)**.

Set decoder channel

Map channels from a decoder or descrambler.

- 1 Press **MENU**.
- 2 Press **▲▼◀▶** to select **[Installation] > [Decoder]**.
- 3 Press **▶** to enter **[Decoder]** menu.

- 4 Press **▲▼** to select **[Channel]**, then press **▶** to enter.
- 5 Select one channel to map to the decoder / descrambler channel and press **OK** to confirm.
- 6 Select **[Status]**, then press **▶** to enter.
- 7 Select **[EXT 1] (SCART)**, the connector used by the decoder / descrambler.
- 8 Press **OK**.
- 9 Press **MENU** to exit.

Note

- Select **[None]** if you do not want to map to the decoder / descrambler channel.

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 **MENU**.
- 2 Press **▲▼◀▶** to select **[Installation] > [Factory settings]**.
- 3 Press **▶** to enter **[Factory settings]**.
- 4 Select **[Reset]** to start resetting.
- 5 Press **OK**.
- 6 Press **MENU** to exit.

6 Install channels

The first time you set up your TV, you are prompted to select a menu language and to install TV and digital radio channels (if available). This chapter provides instructions on how to re-install and fine tune channels.

Automatically install channels

This section describes how to search and store channels automatically.

Step 1 Select your menu language

Note

- Skip this step if your language settings are correct.

- 1 Press **HOME** MENU.
- 2 Press **▲▼◀▶** to select **[Installation]** > **[Menu language]**.
- 3 Press **▶** to enter **[Menu language]**.
- 4 Press **▲▼** to select a language.
- 5 Press **OK** to confirm.
- 6 Press **HOME** MENU to exit.

Step 2 Select your country

Select the country where you are installing the TV. The available channels for the country are installed on the TV.

- 1 Press **HOME** MENU.
- 2 Press **▲▼◀▶** to select **[Installation]** > **[Channel installation]** > **[Channel assistant]**.
↳ The **[Channel assistant]** menu appears.
- 3 Select **[Yes]** and then press **OK** to enter.
- 4 Press **▲▼** to select your country, then press **▶** to go to the next step.

- 5 Select **[Start]**, then press **OK** to re-install channels.
 - To stop searching, select **[Stop]** and press **OK**.
- 6 Press **OK** when installation is complete.

Manually install channels

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

Step 1 Select your system

Note

- Skip this step if your system settings are correct.

- 1 Press **HOME** MENU.
- 2 Press **▲▼◀▶** to select **[Installation]** > **[Channel installation]** > **[Analogue: manual install]**.
↳ The **[Analogue: manual install]** menu appears.
- 3 Select **[System]**, then press **OK** to enter.
- 4 Press **▲▼** to select your country or region.
- 5 Press **OK** to confirm.
- 6 Press **HOME** MENU to exit.

Step 2 Search and store new TV channels

- 1 Press **MENU**.
- 2 Press **▲▼◀▶** to select **[Installation] > [Channel installation] > [Analogue: manual install]**.
↳ The **[Analogue: manual install]** menu appears.
- 3 Press **▲▼** to select **[Search]**, then press **▶** to enter.
- 4 Press **Numeric buttons** to manually enter the three-digit frequency.
- 5 Press **OK** to begin search.
↳ If a channel is unavailable at the selected frequency, the system searches for the next available channel.
- 6 When the new channel appears, press **▲▼** to select **[Store as new channel]**.
↳ This stores the channel under a new channel number.
- 7 Press **▶** to enter **[Store as new channel]**.
- 8 Select **[Yes]**, then press **OK** to store the new channel.
- 9 Press **MENU** to exit.

Step 3 Fine-tune analogue channels

- 1 Press **MENU**.
- 2 Press **▲▼◀▶** to select **[Installation] > [Channel installation] > [Analogue: manual install]**.
↳ The **[Analogue: manual install]** menu appears.
- 3 Press **▲▼** to select **[Fine tune]**, then press **▶** to enter.
- 4 Press **▲▼** to adjust frequency.
- 5 Press **OK** to confirm.
- 6 Press **▲▼** to select **[Store current channel]** to store channel number.
- 7 Press **▶** to enter **[Store current channel]**.
- 8 Select **[Yes]**, then press **OK** to store current channel.
- 9 Press **MENU** to exit.

Skip channels

- 1 When watching TV, switch to the channel that you want to skip.
- 2 Press **MENU**.
- 3 Press **▲▼◀▶** to select **[Installation] > [Channel installation] > [Analogue: manual install]**.
↳ The **[Analogue: manual install]** menu appears.
- 4 Press **▲▼** to select **[Skip channel]**, then press **▶** to enter.
- 5 Press **▲▼** to select **[Yes]**, then press **OK** to skip current channel.
↳ The selected channel is skipped when you press **P +/-** on your remote control or view from the channel grid.
- 6 To skip more channels, repeat the procedure.



Tip

- To access the skipped channels, press **Numeric buttons**.
- To restore a skipped channel, repeat steps 1 to 4, and then select **[No]** in step 5.

Rename channels

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

- 1 When watching TV, press **OK** to display the channel grid.
- 2 Press **▲▼◀▶** to select the channel to rename.
- 3 Press **☰ OPTIONS**.
↳ The channel options menu appears.
- 4 Press **▲▼** to select **[Rename channel]**, then press **OK**.
↳ A text input box appears.
- 5 Press **▲▼◀▶** to select characters.
- 6 Press **OK** to confirm each character.
- 7 Select **[Done]**, then press **OK** to finish renaming channels.



Tip

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

Rearrange channels

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

- 1 When watching TV, press **OK** to display the channel grid.
- 2 Press **☰ OPTIONS**.
↳ The channel options menu appears.
- 3 Press **▲▼** to select **[Reorder]**, then press **OK**.
- 4 Select the channel to rearrange, then press **OK**.
↳ The selected channel is highlighted.
- 5 Press **▲▼◀▶** to move the highlighted channel to the desired location, then press **OK**.
- 6 Press **☰ OPTIONS**.
↳ **[Done reordering]** appears on the screen.
- 7 Press **OK** to confirm.
- 8 Press **↶ BACK** to exit the channel grid.

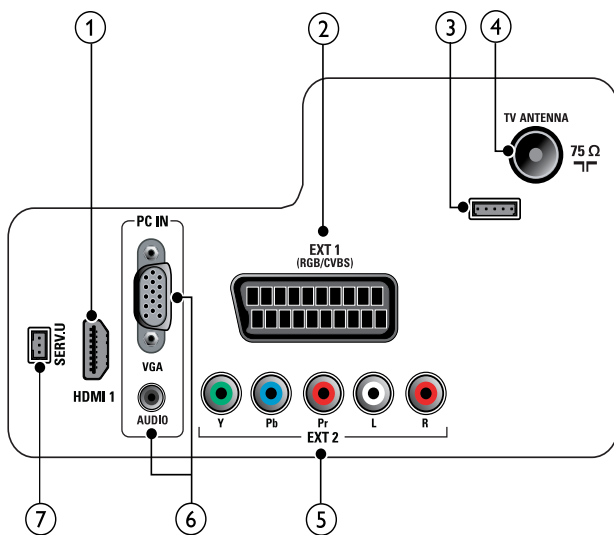
7 Connect devices

This section describes how to connect devices with different connectors. Examples are provided in the Quick Start.

Note

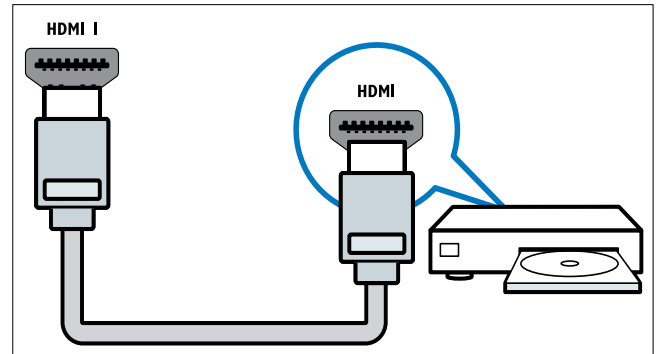
- You can use different types of connectors to connect a device to your TV.

Back connectors



① HDMI 1

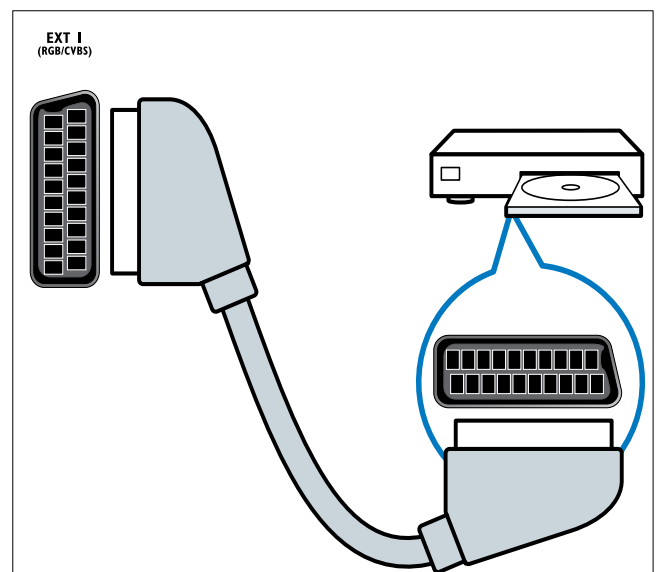
Digital audio and video input from high-definition digital devices such as Blu-ray players.



Connections via DVI or VGA require an additional audio cable (see 'Connect a computer' on page 27).

② EXT 1 (RGB/CVBS)

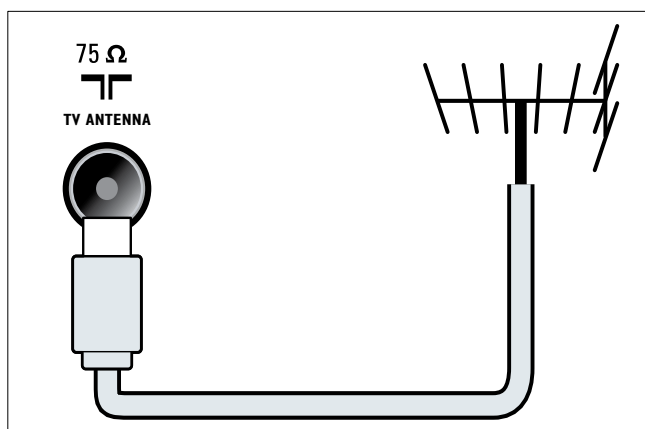
Analogue audio and video input from analogue or digital devices such as DVD players or game consoles.



③ For use by service personnel only.

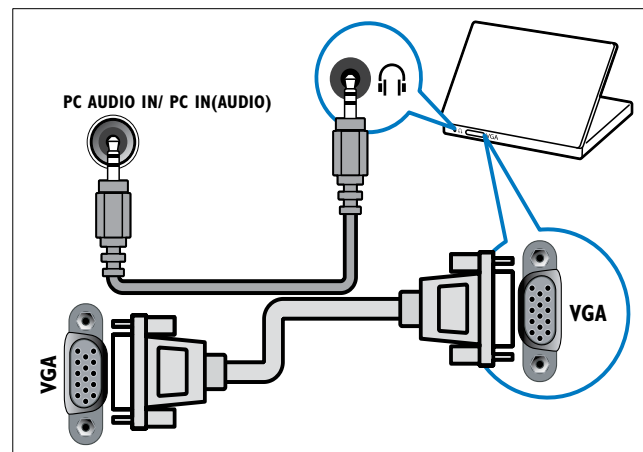
④ TV ANTENNA

Signal input from an antenna, cable or satellite.



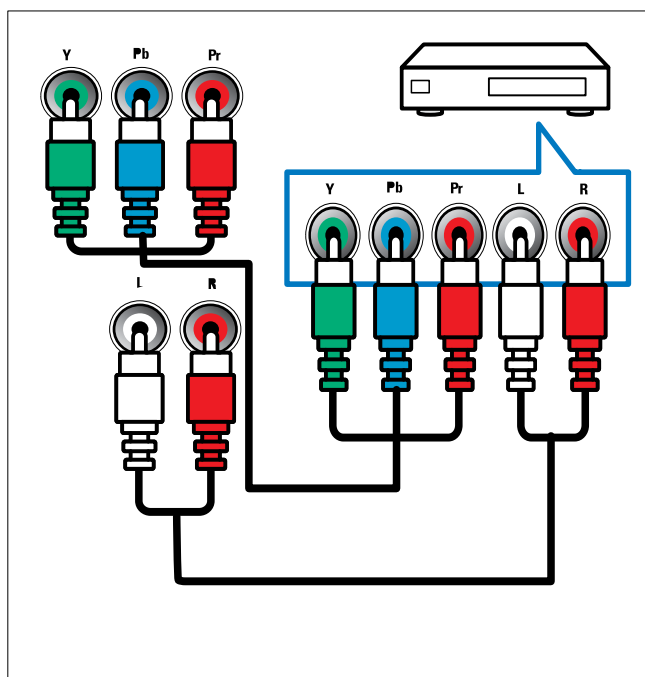
⑥ PC IN (VGA and AUDIO)

Audio and video input from a computer.



⑤ EXT 2 (Y Pb Pr and AUDIO L/R)

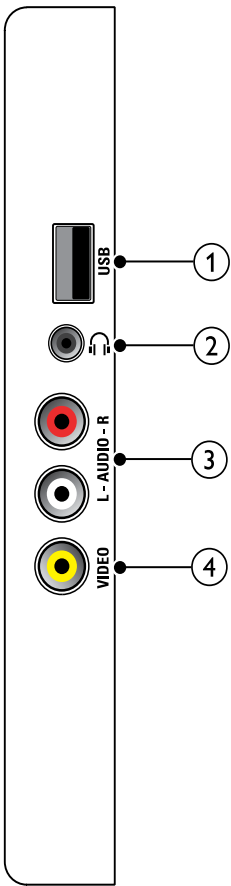
Analogue audio and video input from analogue or digital devices such as DVD players or game consoles.



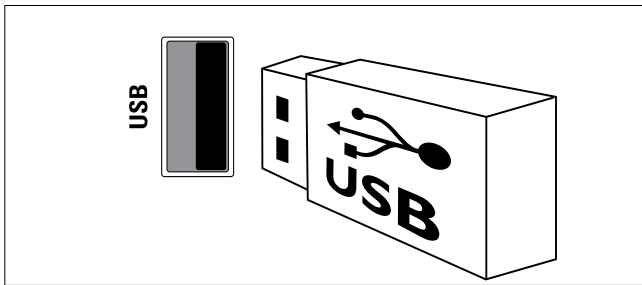
⑦ SERV. U


For use by service personnel only.

Side connectors

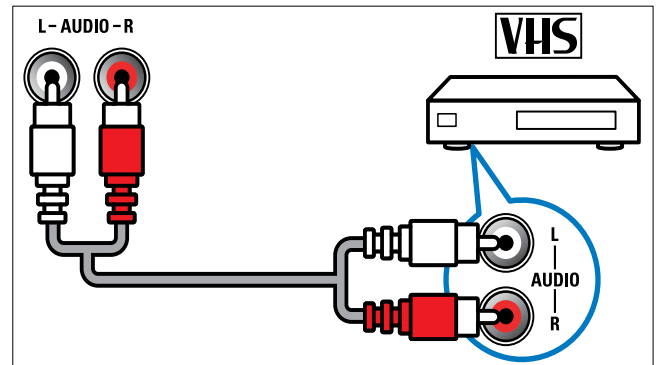


- ① **USB (Used for software upgrade only)**
Data input from USB storage devices.

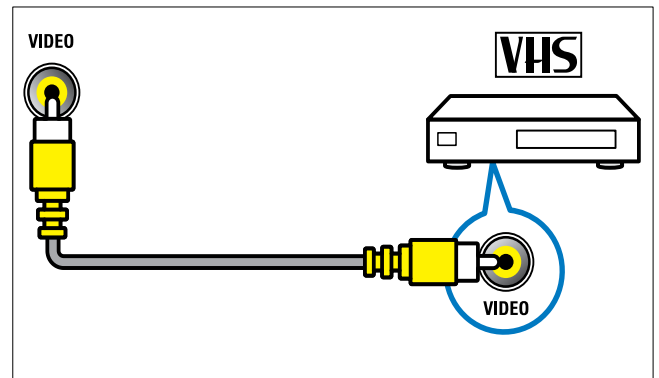


- ②  Stereo audio output to headphones or earphones.

- ③ **AUDIO L/R**
Audio input from analogue devices connected to **VIDEO**.



- ④ **VIDEO**
Composite video input from analogue devices such as VCRs.



Connect a computer

Before you connect a computer to the TV

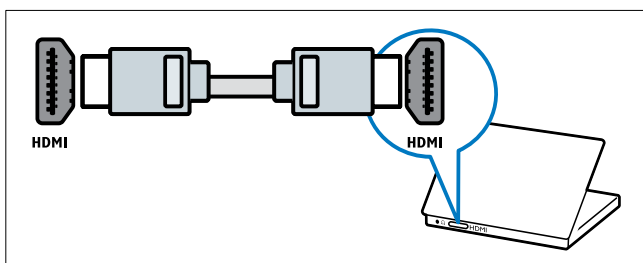
- Set the screen refresh rate on your computer to 60Hz.
- Select a supported screen resolution on your computer.

Connect a computer with one of the following connectors:

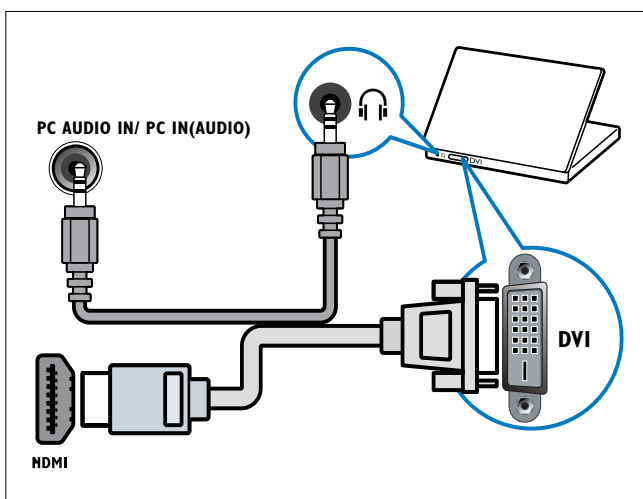
Note

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

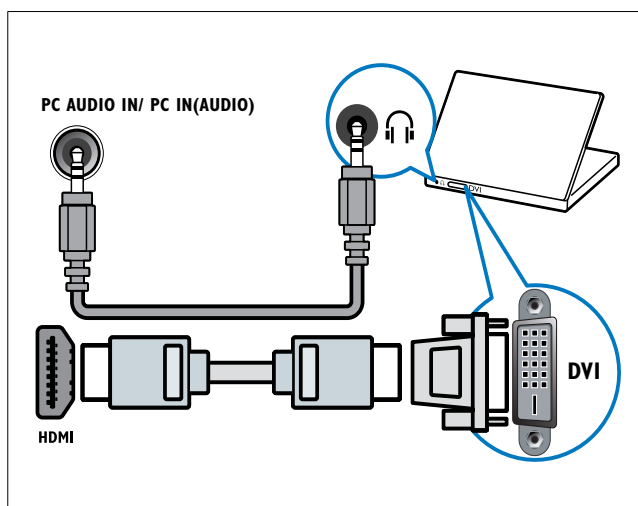
- HDMI cable



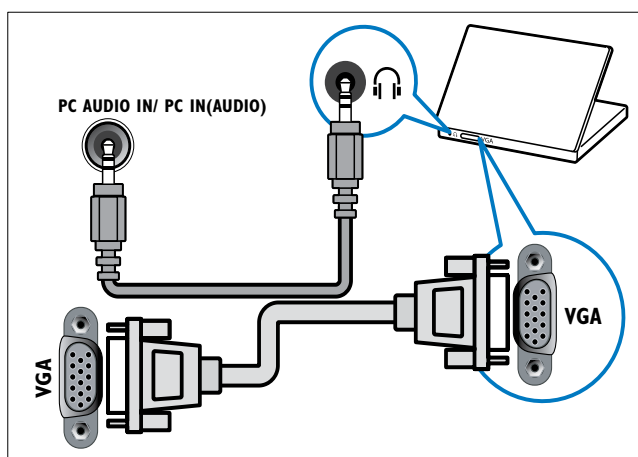
- DVI-HDMI cable



- HDMI cable and HDMI-DVI adaptor



- VGA cable



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

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

Enable or disable EasyLink

Note

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

- 1 Press **MENU**.
- 2 Press **▲▼◀▶** to select **[Setup] > [Installation] > [Preferences] > [EasyLink]**.
- 3 Select **[On]** or **[Off]**.

Use one-touch play

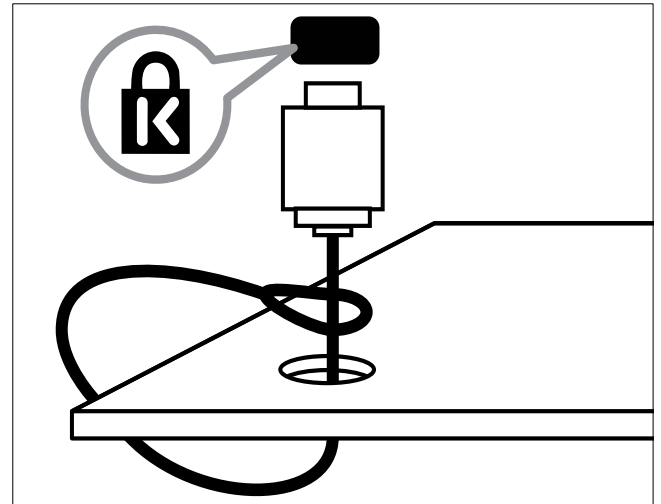
- 1 After enabling EasyLink, press play on your device.
 - ↳ The TV automatically switches to the correct source.

Use one-touch standby

- 1 Press **⏻ (Standby-On)** on the TV's or device's remote control.
 - ↳ The TV and all connected HDMI devices switch to standby.

Use a Kensington lock

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



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

- Resolution - refresh rate:
 - 640 × 480 - 60Hz
 - 800 × 600 - 60Hz
 - 1024 × 768 - 60Hz
 - 1280 × 768 - 60Hz
 - 1360 × 768 - 60Hz

Video formats

- Resolution - refresh rate:
 - 480i - 60Hz
 - 480p - 60Hz
 - 576i - 50Hz
 - 576p - 50Hz
 - 720p - 50Hz, 60Hz
 - 1080i - 50Hz, 60Hz
 - 1080p - 24Hz, 25Hz, 30Hz, 50Hz, 60Hz.

Tuner / Reception / Transmission

- Aerial input: 75ohm coaxial (IEC75)
- TV system: PAL I, B/G, D/K; SECAM B/G, D/K, L/L'
- Video playback: NTSC, SECAM, PAL
- Tuner Bands: Hyperband, S-channel, UHF, VHF

Remote control

- Type: PF02E09B
- Batteries: 2 × AAA (LR03 type)

Power

- Mains power: 220-240V, 50Hz
- Standby power: < 0.3 W
- Ambient temperature: 5 to 40 degrees Celsius

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 (inches)	Required pitch (mm)	Required mounting bolts (≤ 10mm)
19	75 × 75	4 × M4
22	75 × 75	4 × M4
26	75 × 75	4 × M4

Product specification

Design and specifications are subject to change without notice.

19PFL3405

- Without TV stand
 - Dimension (WxHxD): 455 x 303.7 x 56 (mm)
 - Weight: 3.16 kg
- With TV stand
 - Dimension (WxHxD): 455 x 328.7 x 137.9 (mm)
 - Weight: 3.32 kg

22PFL3405

- Without TV stand
 - Dimension (WxHxD): 526.02 x 343.5 x 55.79 (mm)
 - Weight: 4.0 kg
- With TV stand
 - Dimension (WxHxD): 526.02 x 369.5 x 148.96 (mm)
 - Weight: 4.2 kg

26PFL3405

- Without TV stand
 - Dimension (WxHxD): 637.4 x 410.8 x 63 (mm)
 - Weight: 5.21 kg
- With TV stand
 - Dimension (WxHxD): 637.4 x 447.25 x 170 (mm)
 - Weight: 5.5 kg

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 TV 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.

Some channels are not automatically installed on my TV:

- During installation, make sure that you select the country where you are installing the TV (see 'Step 2 Select your country' on page 21).

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.

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 recognise 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** (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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