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*Non-contractual image

32PFL5409/93
32PFL5609/93
42PFL5609/93
47PFL5609/93
42PFL6609/93
47PFL6609/93

EN User manual

PHILIPS

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LCD TV

Environmental Information

产品中有毒有害物质或元素的名称及含量

Names and Contents of Toxic or Hazardous Substances or Elements

部件名称 Name of the Parts	有毒有害物质或元素 Hazardous/Toxic Substance					
	铅 (Pb, Lead)	汞 (Hg,Mercury)	镉 (Cd,Cadmium)	六价铬 (Chromium 6+)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
Housing 外壳	O	O	O	O	O	O
LCD Panel 液晶面板	X	X	O	O	O	O
PWBs 电路板组件	X	O	O	O	O	O
Accessories (Remote control & cables) 附件（遥控器，电 源线，连接线）	X	O	O	O	O	O
Batteries in Remote Control 遥控器电池	X	O	O	O	O	O

O: 表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T11363 - 2006 标准规定的限量要求以下。

O: Indicates that this toxic or hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement in SJ/T11363 – 2006.

X: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T11363 – 2006 标准规定的限量要求。

X: Indicates that this toxic or hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement in SJ/T11363 - 2006.



环保使用期限 Environmental Protection Use Period

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This logo refers to the period (10 years) during which the toxic or hazardous substances or elements contained in electronic information products will not leak or mutate so that the use of these [substances or elements] will not result in any severe environmental pollution, any bodily injury or damage to any assets.

1 Notice

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Pixel characteristics

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

Warranty

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

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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 swiveled 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 25kg.

- 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.
- 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.
- 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 results 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 injury, fire or power cord damage!

- Never place the TV or any objects on the power cord.

- To easily disconnect the TV power cord 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.

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 color 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.

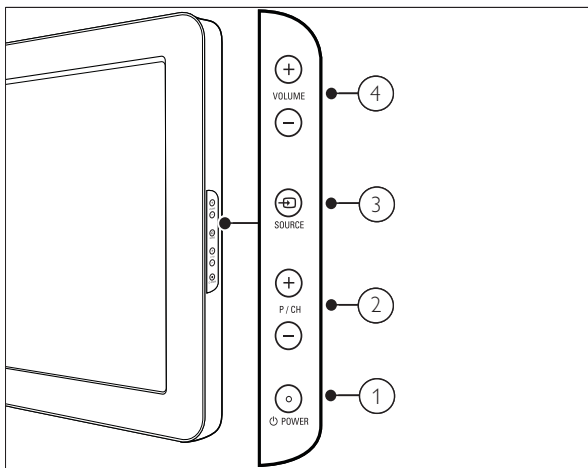
3 Your product

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

Product overview

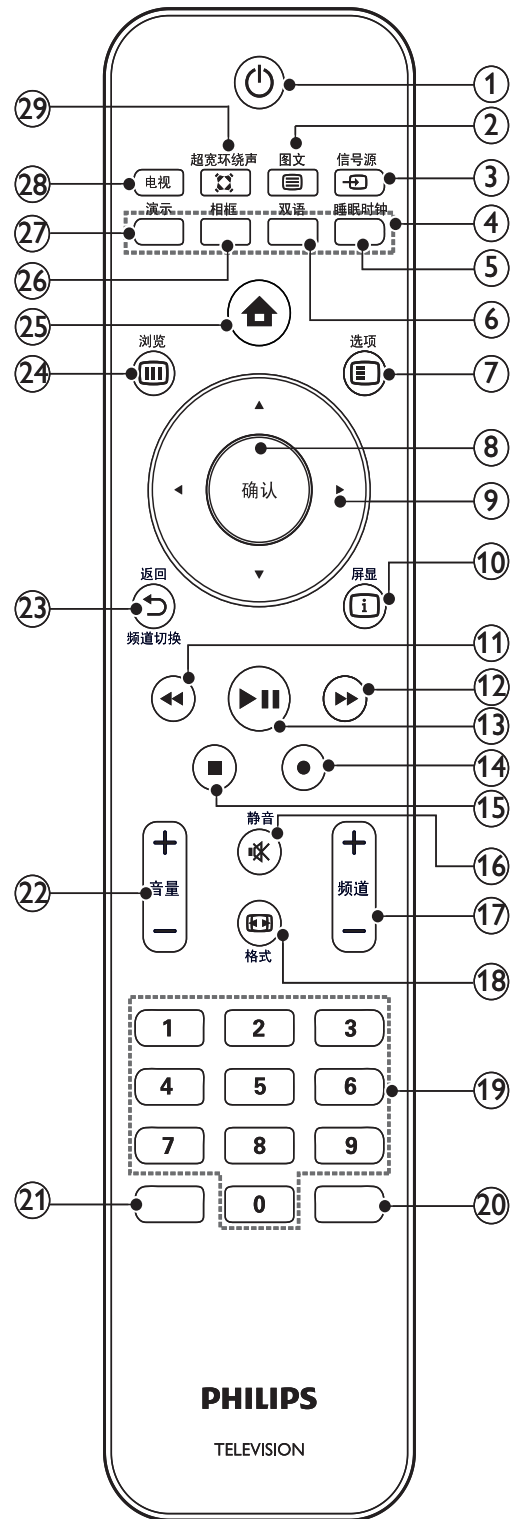
This section gives you an overview of commonly used controls and functions.

Side controls and indicators

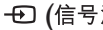

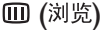


- ① **POWER**: Switches the product on or off. The product is not powered off completely unless it is physically unplugged.
- ② **P/CH +/-**: Switches to the next or previous channel.
- ③ **SOURCE**: Selects connected devices.
- ④ **VOLUME +/-**: Increases or decreases volume.

Remote control



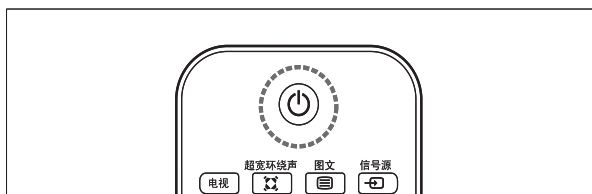
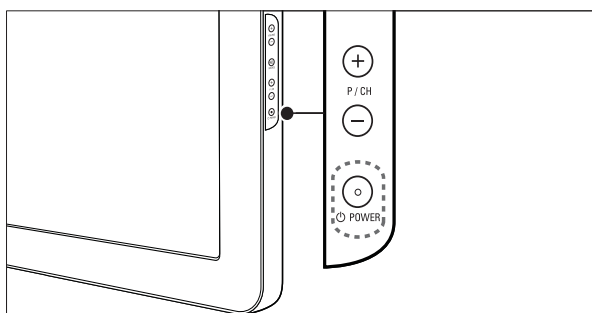
- ① **Standby-On**
 - Switches the TV to standby if it is on.
 - Switches on the TV if it is in standby.

- ②  (图文)
Not used.
- ③  (信号源)
Selects connected devices.
- ④ **Color buttons**
Selects tasks or options.
- 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 programs.
- ⑦  (选项)
Accesses options relating to the current activity or selection.
- ⑧ 确认
Confirms an entry or selection. Displays a matrix of channels.
- ⑨ **▲▼◀▶ (Navigation buttons)**
Navigates through the menus.
- ⑩  (屏显)
Displays program information, if available.
- ⑪ **◀◀ (Backward)**
Searches backward.
- ⑫ **▶▶ (Forward)**
Searches forward.
- ⑬ **▶|| (Play/Pause)**
Starts, pauses or resumes playback.
- ⑭ **● (Record)**
Starts or stops video recording.
- ⑮ **■ (Stop)**
Stops playback.
- ⑯  (静音)
Mutes or restores audio output.
- ⑰ **频道 +/-**
Switches to the next or previous channel.
- ⑱  (格式)
Selects a picture format.
- ⑲ **0-9 (Numeric buttons)**
Selects a channel or setting.
- ⑳ PFL6609:
流光溢彩模式
Toggles between Ambilight modes.
PFL5409/PFL5609:
 (灵智图像)
Launches the smart picture menu.
- ㉑ PFL6609:
流光溢彩开关
Switches Ambilight on or off.
PFL5409/PFL5609:
 (灵智声音)
Launches the smart sound menu.
- ㉒ **音量 +/-**
Increases or decreases volume.
- ㉓ **返回 / 频道切换**
Returns to a previous screen.
Toggles between the current channel and the last viewed channel.
- ㉔  (浏览)
Displays a matrix of channels.
- ㉕ **🏠 (Home)**
Toggles the home menu on or off.
- 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 antenna source.
- ㉙  (超宽环绕声)
Enables Incredible Surround for stereo sources. Enables spatial mode for mono sources.

4 Use your product

This section helps you perform basic operations (see 'Use more of your product' on page 10).

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

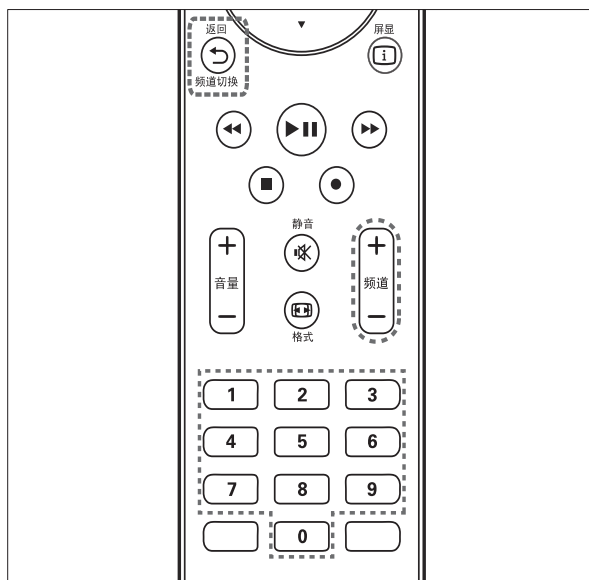
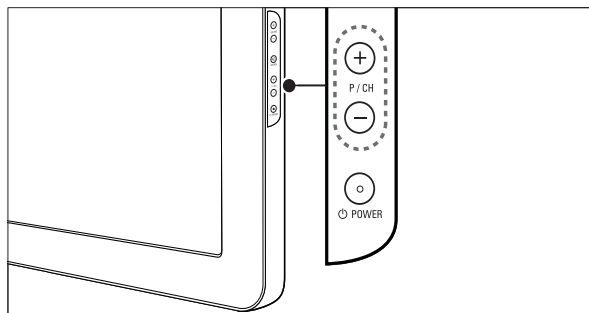
- Press **POWER** at the side of the TV.
↳ The standby indicator switches off.



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.

Switch channels



- Press **返回** (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

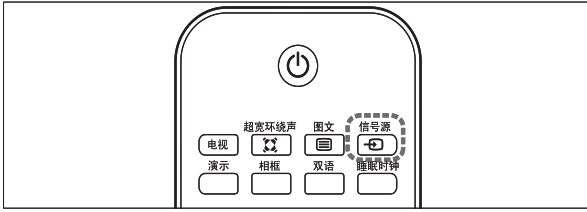
- Press **浏览** (浏览) to toggle between the channel list and the channel grid.





Note

- When you use a favourite list, you can only select those channels in the list (see 'Select a favourite list' on page 13).

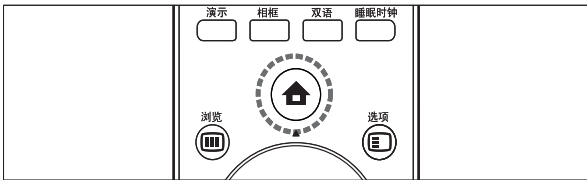
Watch connected devices

Use the source button





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

Use the home menu

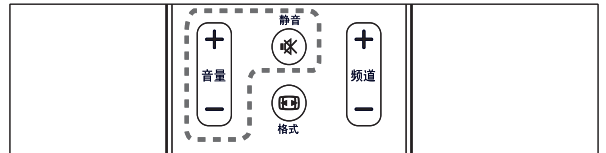
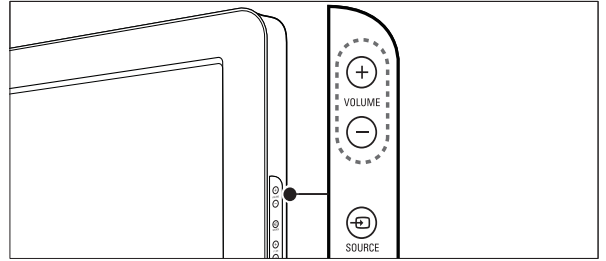


Note


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

- 1 Press  (Home).
↳ The home menu appears.
- 2 Press , , , or  to select the device.
- 3 Press  to confirm selection.



Adjust TV volume



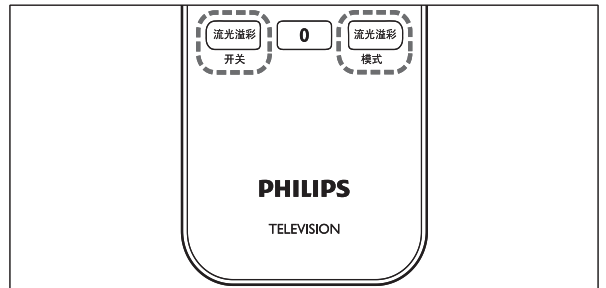
To increase or decrease volume



- Press .
- Press **VOLUME +/-** on the side of the TV.

To mute or unmute sound

- Press  (静音) to mute audio.
- Press  (静音) again to restore audio.


Use Ambilight



- 1 Press  流光溢彩 开关.
↳ Ambilight switches on.
- 2 Press  流光溢彩 开关 again to switch off Ambilight.



Note

- Press  流光溢彩 模式 to toggle between Ambilight modes.

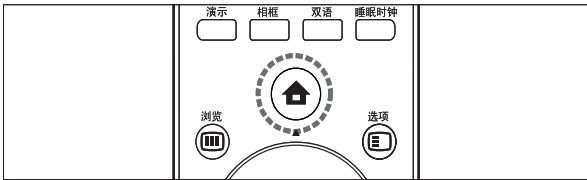
5 Use more of your product

Access TV menus

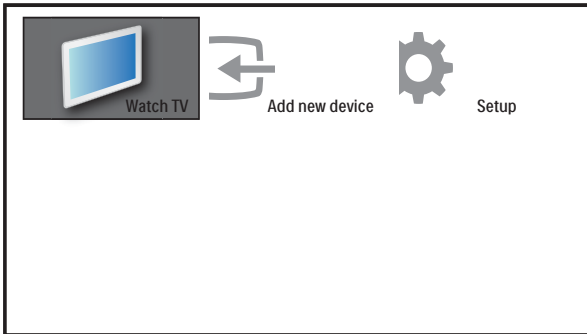
Menus help you to install channels, change picture and sound settings and access other features.

Access the home menu

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



- 1 Press **Home**.
↳ The home menu appears.



- 2 Press **Navigation** to select from the following options:
 - **[Watch TV]** : Switches back to the antenna source if another source is selected.
 - **[Setup]** : Accesses menus that allow you to change picture, sound and other TV settings.
 - **[Add new device]** : Adds new devices to the home menu.

- 3 Press **确认** to confirm your choice.
- 4 Press **Home** to exit.

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 **Navigation** to highlight a device icon.
- 3 Press **选项**.
↳ The **[Remove device]** menu appears.
- 4 Select **[Remove]** and press **确认**.
↳ The selected icon 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 best picture and sound settings.

- 1 Press **Home**.
↳ The home menu appears.
- 2 Press **Navigation** 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.

Use smart picture

Use smart picture to apply pre-defined picture settings.

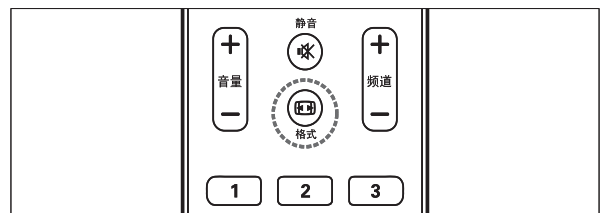
- 1 Press **⬆** (Home).
- 2 Press **▲▼◀▶** to select **[Setup] > [Picture]** > **[Smart picture]**.
↳ The **[Smart picture]** menu appears.
- 3 Press **▲▼◀▶** to select from the following smart picture settings:
 - **[Personal]** : Lists customized personal picture settings.
 - **[Vivid]** : Maximizes picture settings.
 - **[Standard]** : Adjusts picture settings to suit most environments and types of video.
 - **[Movie]** : Applies picture settings ideally suited for movie viewing.
 - **[Energy saving]** : Applies low-energy picture settings.
 - **[Game]** : Applies picture settings maximized for fast-moving games.
- 4 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.
 - **[Color]** : Adjusts color saturation.
 - **[Hue]** : Compensates color variations in NTSC encoded transmissions.
 - **[Sharpness]** : Adjusts the level of sharpness in image details.

- **[Noise reduction]** : Filters and reduces noise in an image.
- **[Color temperature]** : Introduces more orange tones (**[Warm]**) or blue tones (**[Cool]**) to the picture.
- **[Pixel Plus HD]** : Fine tunes each pixel to match surrounding pixels. This produces a brilliant, high-definition image.
 - **[Dynamic contrast]** : Automatically enhances contrast in an image.
 - **[Dynamic backlight]** : Adjusts the brightness of the TV backlight to match lighting conditions.
 - **[Color enhancement]** : Makes colors more vivid and improves the resolution of details in bright colors. You can switch this feature on or off.
- **[PC mode]** : Adjusts picture settings when a PC is connected to the TV.
- **[Light sensor]** : Dynamically adjusts picture settings 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** (格式).
↳ A picture format bar appears.
- 2 Press **▲▼** to select a picture format.
↳ The selected picture format is previewed.

Summary of picture formats

The following picture settings can be configured.



Note

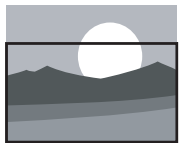
- Depending on the format of the picture source, some picture settings are not available.



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



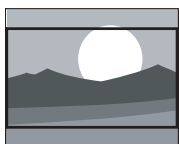
[4:3] Shows the classic 4:3 format.



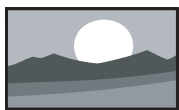
[Subtitle zoom] Displays 4:3 pictures over the full area of the screen, with sub-titles visible. Part of the top of the picture is clipped off.



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



[Movie exp.16:9] (Not for HD and PC mode.) Scales 4:3 format to 16:9.



[Wide screen] Stretches the classic 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 **⬆** (Home).
- 2 Press **▲▼◀▶** to select **[Setup] > [Sound]** > **[Smart sound]**.
↳ The **[Smart sound]** menu appears.
- 3 Press **▲▼◀▶** to select a smart sound setting:
 - **[Standard]** : Adjusts sound settings to suit most environments and types of audio.
 - **[News]** : Applies sound settings ideally suited for spoken audio, such as the news.
 - **[Movie]** : Applies sound settings ideally suited for movies.
 - **[Personal]** : Applies the settings that were customized in the sound menu.
- 4 Press **确认** to confirm your choice.
↳ The selected smart sound setting is applied.

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 to best suit your listening position.
 - **[Dual I-II]** : Selects between audio languages if dual sound is broadcast.
 - **[TV speakers]** : Sets the TV speakers on or off, or outputs sound to an EasyLink-compliant device. **[EasyLink]** must be activated in the **[Preferences]** menu to make the **[TV speakers]** menu available.
 - **[Surround]** : Enables spatial sound.

- **[Headphone volume]** : Adjusts headphone volume.
- **[Auto volume leveling]** : Automatically reduces sudden volume changes, for example, when switching channels. When enabled, this produces a more consistent audio volume.
- **[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 favorite channels

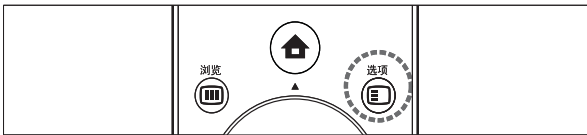
You can create lists of your preferred TV channels and radio stations so that you can find those channels easily.



Tip

- You can create and store up to four favorite lists on your TV.

Select a favorite list



- 1 When watching TV, press 确认.
 - ↳ The channel grid appears.



Note

- Press 浏览 (浏览) to toggle between the channel list and the channel grid.

- 2 Press 选项 (选项).
 - ↳ The options menu appears.
- 3 Press ▲▼ to select **[Show favorite ch.]**.
 - ↳ The favorite lists appear.
- 4 Press ▲▼ to select a favorite list or **[All]**.
- 5 Press 确认.

- ↳ If you selected a favorite list, only channels in the list appear in the channel grid; if you selected **[All]**, all installed channels appear in the channel grid.

- 6 Press 选项 (选项) to exit the options menu.

Add a channel to a favorite list



Tip

- View all channels before adding a channel to a favorite list.

- 1 When watching TV, switch to the channel you want to add to a favorite list (see 'Switch channels' on page 8).
- 2 Press 选项 (选项).
 - ↳ The channel options menu appears.
- 3 Press ▲▼ to select **[Mark as favorite]**.
- 4 Press 确认.
- 5 Select a favorite list to add the channel to.
- 6 Press 确认.
 - ↳ The channel is added to the favorite list.
- 7 Press 返回 / 频道切换 (返回 / 频道切换) to exit the channel options menu.
 - ↳ The channel grid appears.

Remove a channel from a favorite list



Note

- Select the favorite list to edit, before removing a channel.




- 1 When watching TV, press 确认.
 - ↳ The channel grid appears.



Note

- Press 浏览 (浏览) to toggle between the channel list and the channel grid.

- 2 Press ▲▼◀▶ to select a channel.

- 3 Press  (选项).
↳ The channel options menu appears.
- 4 Press  to select **[Unmark as favourite]**.
- 5 Press 确认.
↳ The channel is removed from the favorite 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 favorite list.

Use timers

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




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 always switch off your TV earlier or reset the sleep timer 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 set the sleep time.
↳ The sleeptimer can be up to 180 minutes in steps of five minutes. If set to zero minutes, the sleeptimer is switched off.
- 4 Press 确认 to activate the sleeptimer.
↳ The TV switches to standby after the pre-defined period of time.

Automatically switch the TV on (on timer)

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

- 1 Press  (Home).
- 2 Select **[Setup] > [Features] > [On timer]**.
- 3 Press  to enter the **[On timer]** menu.
- 4 Press  to set the channel, day of the week, frequency and starting time.
- 5 Press 确认 to confirm.
- 6 Press  (返回 / 频道切换) to exit.





Tip

- To switch off **[On timer]**, select **[Off]** in the **[On timer]** menu.

Use child control and rating locks

You can prevent your children from watching certain programs 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

Locking the TV prevents your child from accessing 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.
- 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 display 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 ten minutes. To disable the clock before that, repeat this procedure.

Change the clock mode

Note

- Not available in all models.

- 1 Press **⬆** (Home).
- 2 Select **[Installation] > [Clock] > [Auto clock]**.
↳ The **[Auto clock]** menu appears.
- 3 Select **[Automatic]** or **[Manual]**.

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

Supported file formats

Pictures	JPEG (non-progressive only)
Music	MP3
Video	MP4, RMVB

Note

- Only FAT or DOS-formatted USB storage devices are supported. File names must not exceed 128 characters.
- Your TV only supports USB flash drives in FAT/FAT32 format. It does not support other devices that can be connected to the USB port including but not limited to the following: portable storage devices such as external hard drives and mini hard drives, MP3 player, digital camera, phone, portable video player, portable multimedia player.

Connect a USB storage device and enter the content browser

- 1 Turn on the TV.
- 2 Connect the USB device to the USB port 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.

Note

- If you connect multiple USB storage devices via USB hub, a message appears prompting you to select a device. Press **⬆** to select the device, then press **确认** to confirm.

Tip

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

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 **⬆** to select a photo.
- 3 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 **▶||** or **确认**.
↳ A slide show begins from the selected image.
- 2 Press:
 - **▶||** 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.
 - **[Show info]** Displays the picture name, date, size and next picture in the slide show.
- 3 Press **确认** to confirm the setting change.

Listen to music

- 1 Connect a USB storage device to the USB port on the side of 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 or a music album.
- 5 Press **确认** or **▶||** to play the selected song or album.
 - Press **确认** or **▶||** to pause, press **确认** or **▶||** again to resume.
 - Press **▶▶** to fast-forward search.
 - Press **◀◀** to fast-backward search.
 - Press **■** to stop playback.

View a slide show with music

You can view a slide show of your stored pictures with background music.

- 1 Select an album of songs.
- 2 Press 确认.
- 3 Press ◀.
- 4 Select an album of pictures.
- 5 Press 确认.

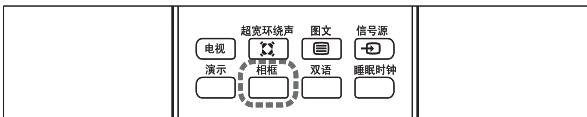
Watch video from a USB device

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

Use Scenea to display a picture as TV wallpaper

You can use the Scenea feature display a still picture as wallpaper on your TV. This feature is for home mode only.

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 静音 (Mute), 音乐 (Music), and 图像 (Image).
- 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

- The wallpaper display duration is determined by the pre-defined sleep timer settings (see 'Automatically switch the TV to standby (sleep timer)' on page 14). When sleep timer is off, the wallpaper is displayed for a maximum of 120 minutes.

Upload a wallpaper picture from a USB device

Before performing this procedure, be sure to have available a USB storage device containing the picture you intend to use as wallpaper.

Note

- The file size of the picture must not be more than 1MB.

- 1 Connect the USB storage device to the TV.
- 2 Press 主页 (Home).
 - ↳ The home menu appears.
- 3 Press ▲▼◀▶ to select [Browse USB].
- 4 Press ▲▼◀▶ to select a picture.
- 5 Press 选项 (Options).
- 6 Select [Set as Scenea].
- 7 Press 确认.

Adjust wallpaper settings

- 1 Press 主页 (Home).
- 2 Select [Setup] > [Features] > [Scenea] > [View mode].
- 3 Press ▲▼◀▶ to select from the following settings and adjust:
 - [Vivid]: Maximizes picture settings.
 - [ECO]: Applies low-energy picture settings.

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 info]**.

Download the software

- 1 On your PC, open a web browser and go to www.philips.com/support.
- 2 Find information and software related to your TV and 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 (analog broadcasts)

Before performing this procedure be sure to:

- Set aside some time to complete the entire update.
- Have available a USB storage device with at least 64MB of storage space.
- Have access to a computer with a USB port and internet access.

- 1 Press **⬆** (Home).
- 2 Select **[Setup]** > **[Software update]** > **[Local updates]**.
- 3 Follow the on-screen instructions to complete the update.

Change TV preferences

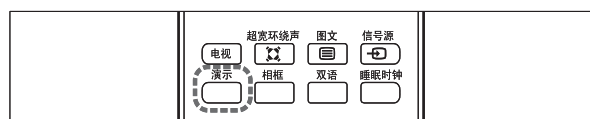
The **[Preferences]** menu allows you to customize various features and functions.

- 1 Press **⬆** (Home).
- 2 Select **[Setup]** > **[Installation]** > **[Preferences]**.

- **[Location]** : Optimizes TV settings for your location - home or shop.
- **[Volume bar]** : Displays the volume bar when adjusting 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. When a demo is available, it is 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 the on-screen instructions.
- 5 Press **演示** to exit.

Reset the TV to factory settings

You can restore the default picture and sound settings of your TV. 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.

6 Install channels

The first time you setup 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.

- 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 analog TV channels manually.

Step 1 Select your system

Note

- Skip this step if your system settings are correct.

- 1 Press **⬆** (Home).
- 2 Press **▲▼◀▶** to select **[Setup] > [Installation] > [Channel install.] > [Manual install]**.
↳ The **[Manual install]** menu appears.
- 3 Press **▲** or **▼** to select **[Color system]**. Press **▶**.
- 4 Press **▲** or **▼** to select a system from the list. Press **▶**.

- 5 Press **▲** or **▼** to select **[Sound system]**. Press **▶**.
- 6 Press **▲** or **▼** to select a system from the list. Press **确认**.

Step 2 Search and store new TV channels

- 1 Press **⬆** (Home).
- 2 Press **▲▼◀▶** to select **[Setup] > [Installation] > [Channel install.] > [Manual install]**.
↳ The **[Manual install]** 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 **◀** 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 **[OK]** and press **确认** to store the new channel.
- 10 Press **⬆** (Home) to exit.

Rename channels

Channels can be renamed so that a name of your choice appears whenever the channel is selected.

- 1 Press **⌂** (浏览).
- 2 Press **▲▼◀▶** to highlight a channel in the channel grid.
- 3 Press **☰** (选项).
- 4 Press **▲** or **▼** to select **[Rename chan.]**.
- 5 Press **▲▼** to select a character and press **▶** to add another character.
- 6 Select **[Done]**.
- 7 Press **确认**.

Rearrange channels

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

- 1** When watching TV, press 确认 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.

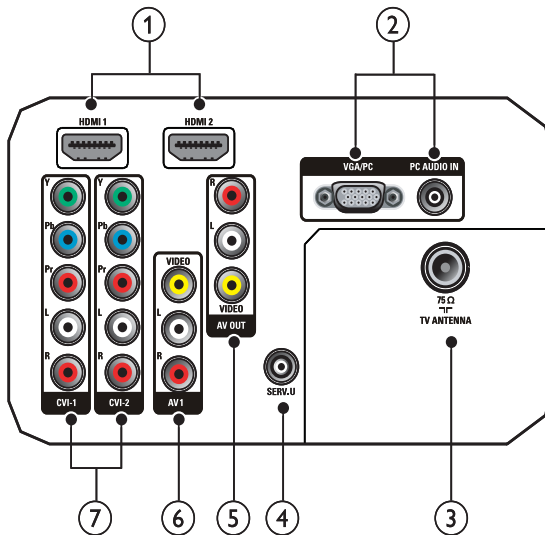
7 Connect devices

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.

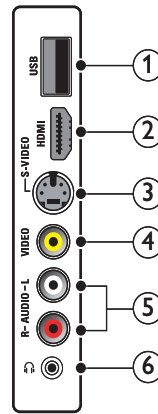
Back connectors



- HDMI 1/2**
Digital audio and video input from high-definition digital devices such as Blu-ray players.
- VGA/PC and PC AUDIO IN**
Audio and video input from a computer.
- TV ANTENNA**
Signal input from an antenna, cable or satellite.
- SERV. U**
For use by service personnel only.
- AV OUT (VIDEO OUT and AUDIO OUT L/R)**
Audio and video output to analog devices such as another TV or a recording device.

- AV1 (VIDEO IN and AUDIO IN L/R)**
Analog audio and video input from analog or digital devices such as DVD players, satellite receivers and VCRs.
- CVI 1/2 (Y Pb Pr and AUDIO L/R)**
Analog audio and video input from analog or digital devices such as DVD players or game consoles.

Side connectors



- USB**
Data input from USB storage devices.
- HDMI**
Digital audio and video input from high-definition digital devices such as Blu-ray players.
- S-VIDEO**
S-Video (side) to be used with Audio L/R connectors for camcorder, game console, etc. When you use the S-Video (side) for video signals, do not use the Composite video (side) input for video signals.
- VIDEO**
Composite video input from analog devices such as VCRs.
- AUDIO L/R**
Audio input from analog devices connected to **VIDEO** or **S-VIDEO**.
- 🎧**
Stereo audio output to headphones or earphones.

Connect a computer

Before connecting a computer to the TV

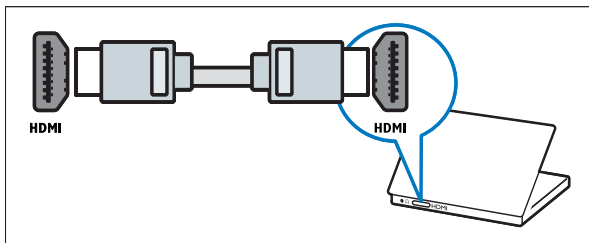
- Set the monitor refresh rate on your computer to 60Hz.
- Press **[Format]** (格式) and change the TV picture format to **[Unscaled]**.

Connect a computer with one of the following connectors:

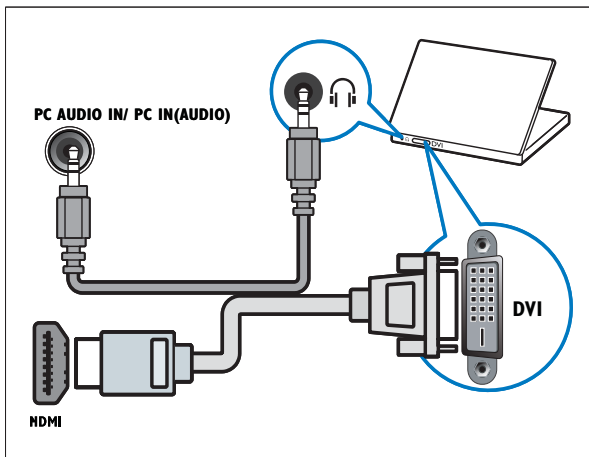
Note

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

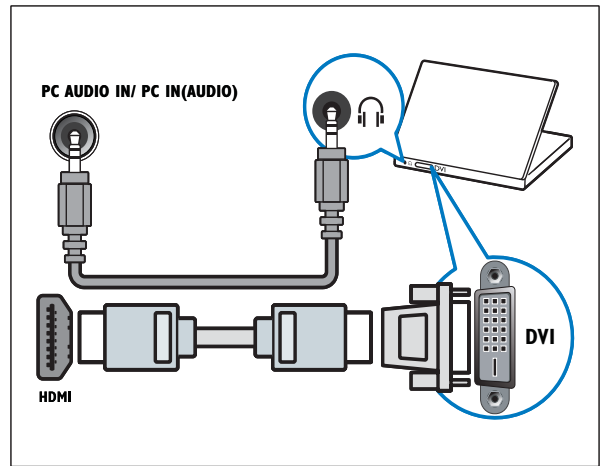
- HDMI cable



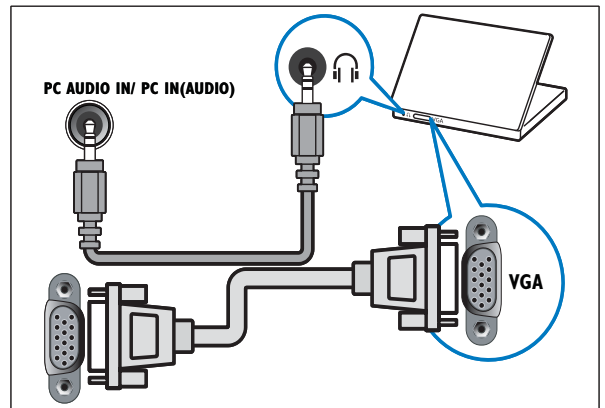
- DVI-HDMI cable



- HDMI cable and HDMI-DVI adaptor



- VGA cable



Use dual view

- 1 Press **[Home]**.
- 2 Select **[Setup] > [Features] > [Dual View]**.
- 3 Select **[On]**.
- 4 Press **确认**.

Note

- When the dual view mode is turned on, a small window for TV input appears on the upper right-hand corner of the TV screen. The audio output is still from the VGA input.

Add devices

After connecting devices, assign the device attached to each 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 Press **▲** or **▼** to select a device. Press **▶**.
- 4 Press **▲** or **▼** to select the connector your device is connected to. Press **▶**.
- 5 If available, press **▲** or **▼** to select the audio connector your device is connected to. Press **▶**.
- 6 Switch on your device and check for video and audio output.
- 7 If there is video and audio output, press **确认**.

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

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

One-touch standby

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

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. Note that you must press and hold Standby-On for at least 3 seconds for this to occur.



Tip

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

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 **Home**.
- 2 Press **▲▼◀▶** to select a device.
- 3 Press **☰ (选项)**.
- 4 Select **[En./Dis. RC pass.]**.
- 5 Press **确认**.
- 6 Press **▲** or **▼** to highlight an HDMI connector.
- 7 Press **确认** to enable RC key forwarding for the selected HDMI connector.

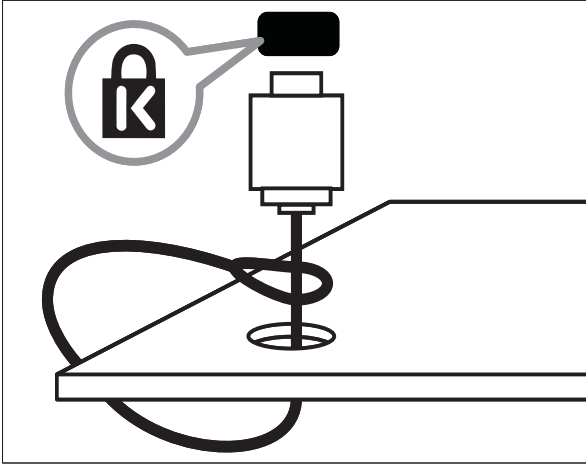
Set TV speakers to EasyLink mode

When enabled, this feature automatically turns off TV speakers when content from an EasyLink-compliant home theater system is played. Audio is played only from the home theater system's speakers.

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

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

HDMI:

Resolution	Refresh rate (Hz)
640x480	60, 72, 75, 85
800x600	60, 72, 75, 85
1024x768	60, 70, 75, 85
1280x768	60
1280x1024	60
1360x768	60

VGA:

Resolution	Refresh rate (Hz)
640x480	60, 72, 75, 85
800x600	60, 72, 75, 85
1024x768	60, 70, 75, 85
1280x768	60
1280x1024	60
1360x768	60

Video formats

Resolution	Refresh rate (Hz)
720 x 480p	60
720 x 480i	60
720 x 576p	50
720 x 576i	50
1280 x 720p	60
1280 x 720p	50
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, SECAM, PAL

Multimedia

- Connection: USB
- Playback formats: MP4, RM, RMVB, JPEG, MP3

Container	Video codec	Audio codec	File extension
mpeg1	MPEG -1	MPEG audio	.dat .mpg
mpeg4	MPEG -4	AAC/ HE-AAC	.avi .mp4
RealMedia	Real Media 8/9/10	AAC, Cook	.rm .rmvb

Remote control

- Batteries: 2 x AAA (R03 type)

Connections

- Headphone out (stereo mini-jack)
- TV antenna
- S-Video
- AV in
- AV out
- YPbPr: Component video (CVI in)
- VGA in
- HDMI
- VGA Audio in
- USB
- Service connector

Power

- Mains power: AC 110-240 (50-60Hz)
- Standby power: < 0.15W
- Ambient temperature: 5 to 35 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	Wall bracket type	
32"-37"	200 x 200 mm	M6
42"-47"	400 x 400 mm	M6 (42"), M8 (47")

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

There is poor picture quality from connected devices:

- 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 picture but no sound from the TV:



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 picture but sound quality is poor:

- Check that the sound settings are correctly set.

There is picture but sound comes from one speaker only:

- Verify that sound balance is set to the center.

HDMI connection issues

There are problems with HDMI devices:

- Note that HDCP 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 a HDMI-to-DVI adaptor or HDMI to DVI cable is used, 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 a supported resolution and refresh rate is selected on the computer.
- 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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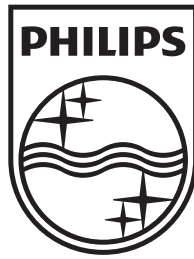
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