Register your product and get support at

www.philips.com/welcome

32PFL3409/93
42PFL3609/93
47PFL3609/93

EN User manual

PHILIPS

Contents

1 Notice 2

2 Important 3

3 Your TV 5
TV overview 5

4 Use your TV 7
Switch your TV on/off or to standby 7
Switch channels 7
Watch connected devices 8
Adjust TV volume 8

5 Use more of your TV 9
Access TV menus 9
Change picture and sound settings 9
Create and use lists of favorite channels 11
Use timers 12
Use child control and rating locks 13
Use the TV clock 14
Update the TV software 14
Change TV preferences 15
Start a TV demo 15
Reset the TV to factory settings 15

6 Install channels 16
Automatically install channels 16
Manually install channels 16
Rename channels 17
Rearrange channels 17

7 Connect devices 18
Back connectors 18
Side connectors 18
Connect a computer 19
Use dual view 19
Assign devices 20
Use Philips EasyLink 20
Use a Kensington lock 21

8 Product information 22

9 Troubleshooting 24

10 Index 26

English

1 Notice

2009 © Koninklijke Philips Electronics N.V. All rights reserved.
Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips Electronics N.V. or their respective owners. Philips reserves the right to change products at any time without being obliged to adjust earlier supplies accordingly.
The material in this manual is believed adequate for the intended use of the system. If the product, or its individual modules or procedures, are used for purposes other than those specified herein, confirmation of their validity and suitability must be obtained. Philips warrants that the material itself does not infringe any United States patents. No further warranty is expressed or implied.
Philips cannot be held responsible either for any errors in the content of this document or for any problems as a result of the content in this document. Errors reported to Philips will be corrected and published on the Philips support website as soon as possible.

Pixel characteristics

This LCD product has a high number of 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.

Copyright

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

VESA, FDMI and the VESA Mounting Compliant logo are trademarks of the Video Electronics Standards Association.
Portions of this software are copyright © The FreeType Project (www.freetype.org).

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 55 lbs.
  - 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 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 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.
- 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 color fading, wipe off water drops as soon as possible.

Recycling

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.
When you see the crossed-out wheeled bin symbol attached to a product, it means the product is covered by the European Directive 2002/96/EC:

Never dispose of your product with other household waste. Please inform yourself about the local rules on the separate collection of electrical and electronic products. The correct disposal of your old product helps prevent potentially negative consequences for the environment and human health.
Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed of with normal household waste.
Please inform yourself about the local rules on the separate collection of batteries. The correct disposal of batteries helps prevent potentially negative consequences for the environment and human health.

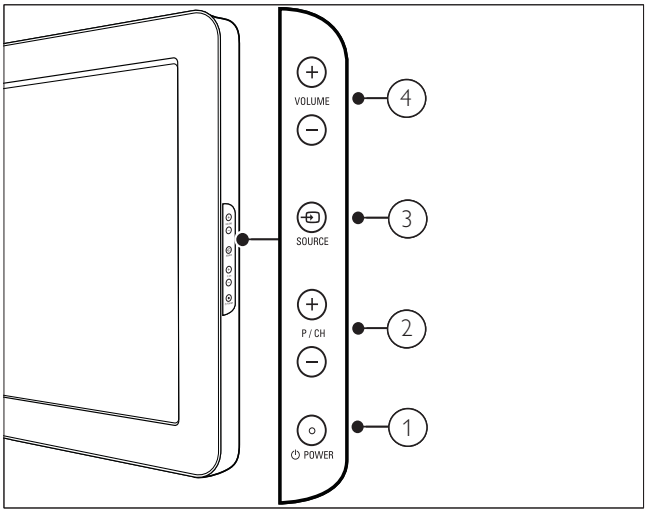
3 Your TV

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.

TV overview

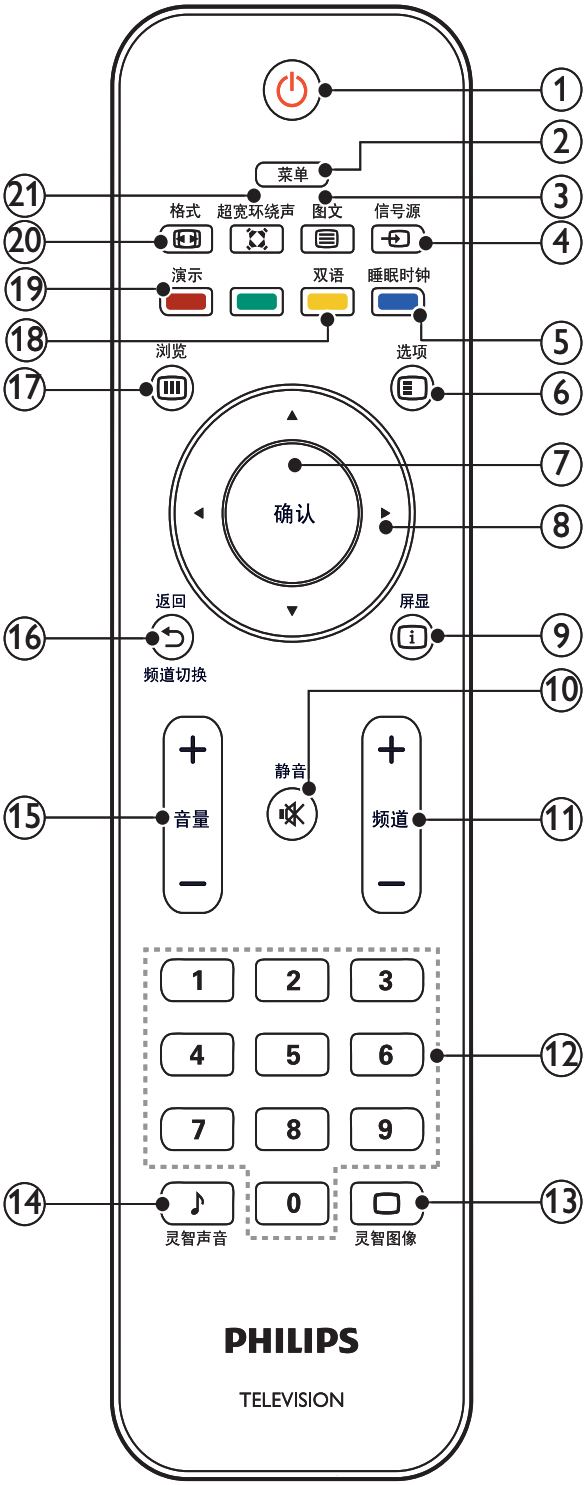
This section gives you an overview of commonly used TV controls and functions.

Side controls and indicators



1. ⏻ POWER: Switches the TV on or off. The TV 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 the TV is on.
   - Switches the TV on if the TV is in standby.

English

② 菜单
Toggles the main menu on or off.

③ (图文)
Toggles teletext on or off.

④ (信号源)
Selects connected devices.

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

⑥ (选项)
Accesses options relating to the current activity or selection.

⑦ 确认
Confirms an entry or selection and displays the channel grid, when watching TV.

⑧ ▲▼◀▶(Navigation buttons)
Navigates through the menus.

⑨ (屏显)
Displays programme information, if available.

⑩ (静音)
Mutes or restores audio output.

⑪ 频道 +/-
Switches to the next or previous channel.

⑫ 0-9 (Numeric buttons)
Selects a channel or setting.

⑬ (灵智图像)
Launches the picture menu.

⑭ ♪ (灵智声音)
Launches the sound menu.

⑮ 音量 +/-
Increases or decreases volume.

⑯ (返回 / 频道切换)
- Returns to a previous screen.
- Returns to the previously viewed channel.

⑰ (浏览)
Switches between channel grid and program list.

⑱ 双语
Switches Stereo and Nicam Stereo to Mono. Selects first language (Dual I) or second language (Dual II) in bilingual programmes.

⑲ 演示
Toggles the demonstration menu on or off.

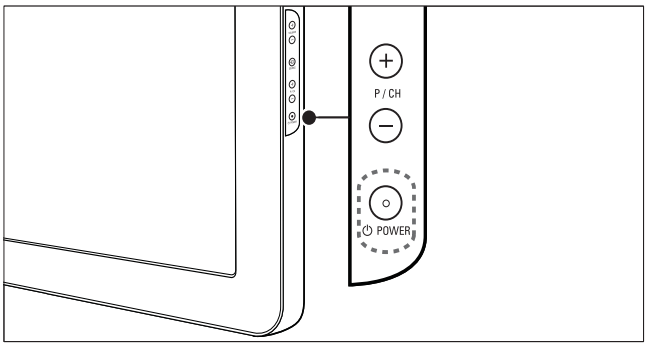
⑳ (格式)
Selects a picture format.

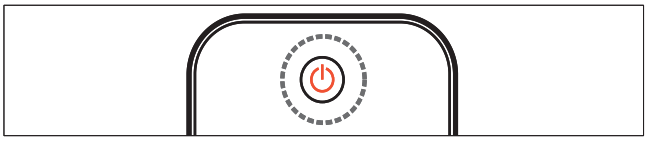
㉑ (超宽环绕声)
Enables Incredible Surround for stereo sources. Enables spatial mode for mono sources.

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.

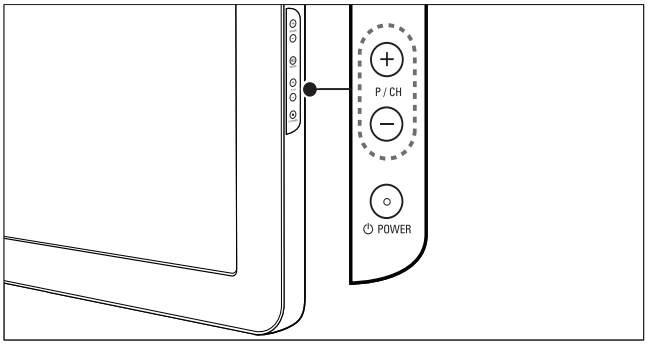
Tip

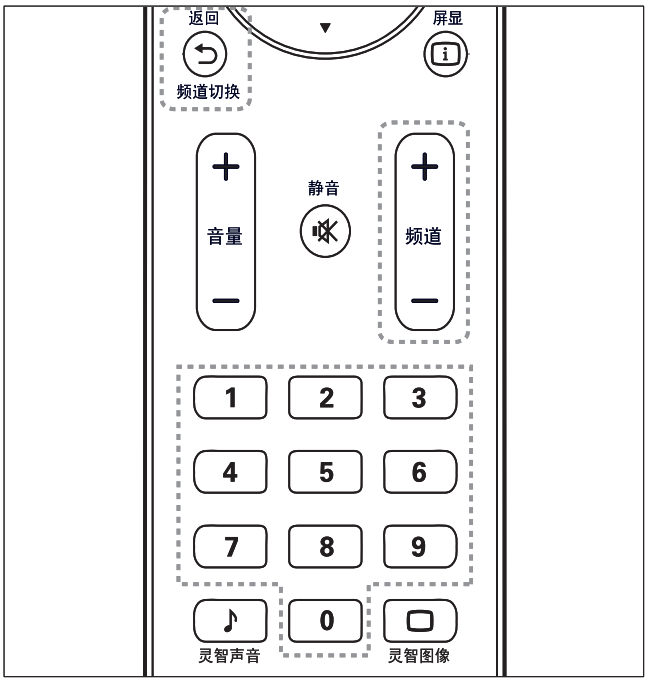
- Though your TV consumes very little power when in standby, energy continues to be consumed. When not in use for an extended period of time, disconnect the TV power cable from the power outlet.

Note

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

Switch channels





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

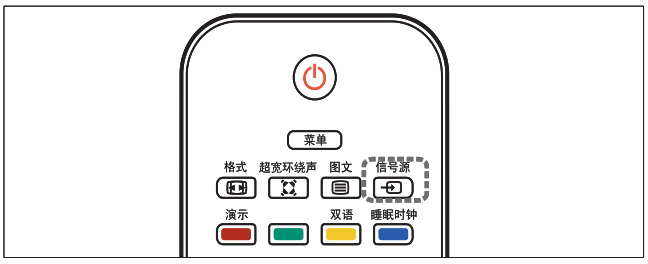
English

Note

- When you use a favourite list, you can only select those channels in the list (see 'Select a favorite list' on page 11).

Watch connected devices

Use the source button

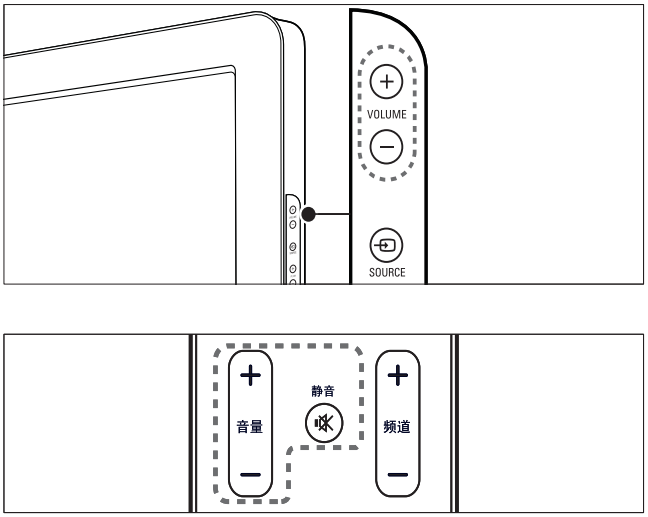


1 Press (信号源).
   ↳ The source list appears.

2 Press ▲ or ▼ to select the connected device.

3 Press 确认 to confirm selection.

Adjust TV volume



To increase or decrease volume

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

To mute or unmute sound

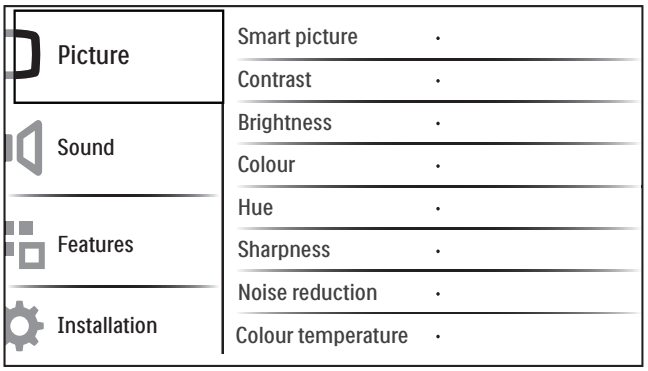
- Press (静音) to mute audio.
- Press (静音) again to restore audio.

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 菜单.
↳ The menu screen appears.



2 Press the ▲▼◀▶ 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, TV lock, and demo.
- **[Installation]**Selects channel installation menu, adjusts preferences and resets the TV to factory settings.

3 Press 确认 to confirm your choice.

Tip

- Press 菜单 at any time to exit the menu.
- Press ⮌ (返回 / 频道切换) to move back one screen.

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 smart picture

Use smart picture to apply pre-defined picture settings.

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

2 Press ▲▼ to select one of 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.
- **[Game]**Applies picture settings maximized for fast-moving games.
- **[Energy saving]**Applies low-energy picture settings.

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

Manually adjust picture settings

1 Press 菜单.

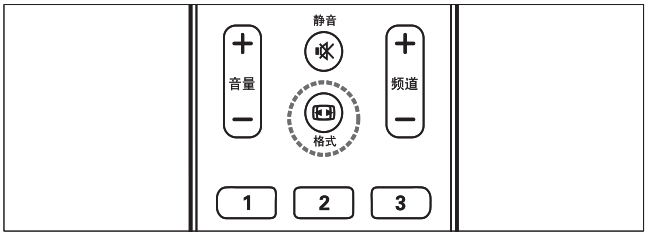
2 Press 确认 to select **[Picture]**.
↳ The **[Picture]** menu appears.

3 Press ▲▼◀▶ to select one of the following picture settings.
- **[Smart picture]**Accesses pre-defined smart picture settings.
- **[Contrast]**Adjusts the intensity of bright areas, keeping dark areas unchanged.
- **[Brightness]**Adjusts the intensity and details of dark areas.
- **[Colour]**Adjusts color saturation.

English

- **[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.
- **[Colour temperature]**Adjusts colour temperature.
- **[Dig.CrystalClear]**Digitally adjusts picture quality to optimal contrast, color and sharpness.
  - **[Dynamic contrast]**Automatically enhances contrast in an image. A **[Medium]** setting is recommended.
  - **[Dynamic backlight]**Adjusts the brightness of the TV backlight to match lighting conditions.
  - **[MPEG artifact re.]**Smooths out transitions on digital pictures. You can switch this feature on or off.
  - **[Colour 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 the picture when a PC is connected to the TV via HDMI/DVI/VGA.
- **[Picture format]**Changes the picture format.
- **[Horizontal shift]**Adjusts the picture horizontally for PC-VGA or CVI input.
- **[Vertical shift]**Adjusts the picture vertically for PC-VGA or CVI input.

Change picture format



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

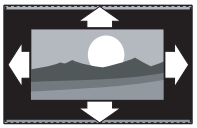
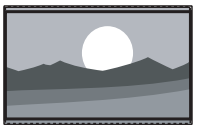
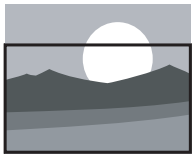
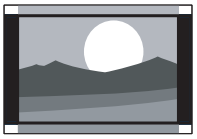
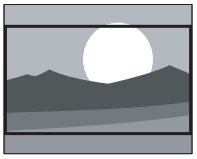
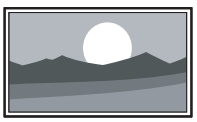
2 Press ▲▼ to select a picture format.
↳ The selected picture format is previewed.

Summary of picture formats

The following picture settings can be configured.

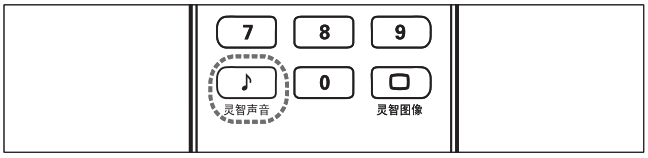
Note

- 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]**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 ♪ (灵智声音).
↳ The **[Smart sound]** menu appears.

2 Press ▲▼ to select one of the following smart sound settings.
- **[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.

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

Adjust sound settings

1 Press 菜单.

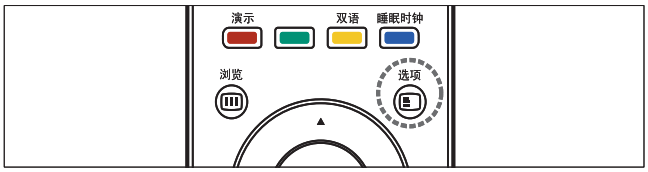
2 Press ▲▼ to select **[Sound]**.
↳ The **[Sound]** menu appears.

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.
- **[Mono/Stereo]**Selects between mono or stereo if stereo is broadcast.
- **[Surround]**Enables spatial sound.
- **[Auto volume]**Automatically reduces sudden volume changes, for example, when switching channels. When enabled, this produces a more consistent audio volume.
- **[Delta volume]**Levels out volume differences between channels or connected devices. Switch to the connected device before you change the delta volume.

Create and use list of favorite channels

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

Select a favorite list



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

2 Press ▤ (选项).
↳ The options menu appears.

3 Press **OK** to select **[Select fav. list] > [Favorite]**.
↳ The favourite lists appear.

4 Press 确认.
↳ If you selected a favourite list, only channels in the list appear in the channel grid; if you selected **[All]**, all installed channels appear in the channel grid.

English

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 favourite list (see 'Switch channels' on page 7).
2 Press ▲▼◀▶ to select a channel.
3 Press (选项).
↳ The channel options menu appears.
4 Press ▲▼ to select **[Mark as favourite]**.
5 Press 确认.
↳ The channel is added to the favourite list.

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.
2 Press (选项).
↳ The channel options menu appears.
3 Press 确认 to enter **[Show favourite ch.]**.
4 Press ▲▼ to select a favorite list and press 确认 to confirm the choice.
5 Press ▲▼◀▶ to select a channel.
6 Press (选项).
7 Press ▲▼ to select **[Unmark as fav.]**.
8 Press 确认.
↳ The channel is removed from the favourite 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 (sleeptimer)

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

Tip

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

1 Press 菜单.
2 Select **[Features]** > **[Sleeptimer]** .
↳ The **[Sleeptimer]** menu appears.
3 Press ◀▶ to set the sleep time.
↳ The sleep timer can be up to 180 minutes in steps of five minutes. If set to zero minutes, the sleep timer 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 菜单.
2 Select **[Features]** > **[On timer]** .
3 Press ▶ to enter the **[On timer]** menu.
4 Press ▲▼◀▶ to select **[Activate]** and set a day of the week or frequency.
5 Press 确认 to confirm.
6 Press ▲▼◀▶ to select **[Time]** and set the starting time.
7 Press **[Done]** to confirm.
8 Press ▲▼◀▶ to select **[Programme no.]** and set the channel.
9 Press 确认 to confirm.

10 Press 菜单 to exit.

Tip

- Select **[Off]** to switch off **[On timer]**.
- When **[On timer]** is switched off, only **[Activate]** option is available.
- Set the TV clock before you activate **[On timer]**feature.

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 菜单.
2 Press ▲▼◀▶ to select **[Features]** > **[Set code]**.
3 Press ▶ to enter the code setup.
4 Enter your code with the **Numeric buttons**.
5 Re-enter the same code in the new dialogue box for confirmation.
↳ If the code is set successfully, the dialogue box will disappear. However, if the code cannot be set, a new dialogue box will prompt you to re-enter the code.
6 If you want to change the code, select **[Features]** > **[Change code]**.
7 Enter your current code using the **Numeric buttons**.
↳ If the code is validated, a new dialogue box will prompt you to enter your new code.
8 Enter the new code using the Numeric buttons.
↳ A message appears prompting you to enter the new code again for confirmation.

Tip

- If you forget your code, enter '0711' to override any existing codes.

Lock or unlock all channels and connected devices

1 Press 菜单.
2 Press ▲▼◀▶ to select **[Features]** > **[TV lock]**.
3 Press ▶ to enter **[TV lock]**.
↳ A screen prompting you to enter code appears.
4 Enter your code.
5 Press ▲▼ to select **[Lock]** or **[Unlock]**.
6 Press 确认.
↳ All channels and connected devices are locked or unlocked.
7 Press 菜单 to exit.

Lock or unlock one or more channels

1 When watching TV, press 确认 to display the channel grid.
2 Press ▲▼◀▶ to select a channel to lock or unlock.
3 Press (选项).
4 Press ▲▼ to select **[Lock/Unlock chan.]**.
5 For each selection, press 确认 to lock or unlock the channel.

English

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.

Set the TV clock

1 Press 菜单.
2 Select **[Features]** > **[Clock]** .
↳ The **[Clock]** menu appears.
1 Press ▲▼◀▶ or **Numeric buttons** to enter time.
2 Press **[Done]** to confirm.
3 Press 菜单 to exit.

Note

- The clock is disabled automatically after three seconds.

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.

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 菜单.
2 Select **[Software update]** > **[Current software]** .
3 Press ▶.

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 (analogue 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]** > **[Update assistant]**.
3 Select **[Start]**.
4 Connect the USB storage device to your computer.
5 Follow the on-screen instructions to complete the update.
1 Press 菜单.
2 Select **[Software update]** > **[Local updates]** .
3 Press ▶.
4 Connect the USB storage device to your computer.
5 Follow the on-screen instructions to complete the update.

Change TV preferences

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

1. Press 菜单.
2. Select **[Installation]** > **[Preferences]** .
3. Press ▶ to enter **[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.
   - **[E-sticker]**For shop mode only. Sets the location of the e-sticker.
4. Press ▲▼◀▶ to select your preference.
5. Press 确认.
6. Press 菜单 to exit.

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 on-screen instructions to view the demo.
5. Press 演示 to exit.

Reset the TV to factory settings

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

1. Press 菜单.
2. Select **[Installation]** > **[Factory settings]** .
3. Press ▶ to enter the **[Factory settings]** menu.
   ↳ **[Reset]** is highlighted.
4. Press 确认 to reset to factory settings.
5. Press 菜单 to exit.

English

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 reinstall 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 菜单.
2 Select **[Installation]** > **[Menu language]** .
3 Press ▶ to enter **[Menu language]**.
4 Press ▲▼ to select a language setting.
5 Press 确认 to confirm.
6 Press 菜单 to exit.

Step 2 Install Channels

1 Press 菜单.
2 Select **[Installation]** > **[Channel install.]** > **[Channel assistant]**.
3 Select **[Start]** and press 确认 to re-install channels.
As the system searches for channels, you have the option to **[Stop]** the process.
4 If you want to stop searching, select **[Stop]** and press 确认.
↳ A dialogue box appears asking you if you really want to **[Stop]** or **[Continue]** with the process.
5 Press ◀▶ to select **[Stop]** or **[Continue]**.
6 Press 确认 to confirm your choice.
7 When done, press 菜单 to exit.

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 菜单.
2 Select **[Installation]** > **[Channel install.]** > **[Manual install]**
↳ The **[Manual install]** menu appears.
3 Press ▲▼◀▶ to select and enter **[Colour system]**.
4 Press 确认 to confirm.
5 Press ▲▼◀▶ to select and enter **[Sound system]**.
6 Press 确认 to confirm.
7 Press 菜单 to exit.

Step 2 Search and store new TV channels

1 Press 菜单.
2 Select **[Installation]** > **[Channel install.]** > **[Manual install]**.
↳ The **[Manual install]** menu appears.
3 Press ▲▼◀▶ to select and enter **[Search]**.
4 Press ▲▼ or use **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 select **[Yes]** and press 确认 to store new channel.

9 Press 菜单 to exit.

Fine tune analog channels

1 Press 菜单.

2 Select **[Installation]** > **[Channel install.]** > **[Manual install]**.
↳ The **[Manual install]** menu appears.

3 Press ▲▼◀▶ to select and enter **[Fine-tune]**.

4 Press ▲▼ to adjust frequency.

5 Press 确认 when done.

6 Press ▲▼◀▶ to select and enter **[Store cur. chan.]** to store the channel number.

7 Press ◀▶ to select **[Yes]** and press 确认 to store current channel.

8 Press 菜单 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. 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 Press (浏览).

2 Press ▲▼◀▶ to highlight a channel in the channel grid.

3 Press (选项).

4 Select **[Reorder]** and press 确认.

5 Press ▲▼◀▶ to highlight a channel and press 确认.

6 Press ▲▼◀▶ to move the channel in the channel grid.

7 Press 确认 .

8 Press (选项).

9 Press 确认 .

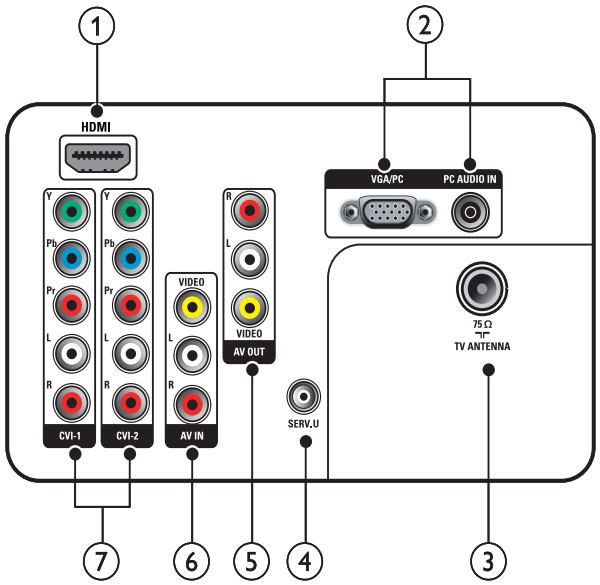
7 Connect devices

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

Note

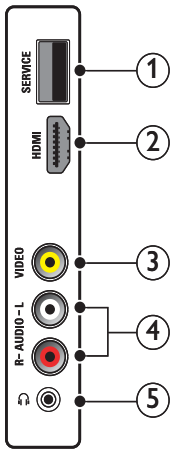
- Different types of connectors may be used to connect a device to your TV, depending on availability and your needs.

Back connectors



1. **HDMI**
   Digital audio and video input from high-definition digital devices such as Blu-ray players.
2. **VGA/PC and PC AUDIO IN**
   Audio and video input from a computer.
3. **TV ANTENNA**
   Signal input from an antenna, cable or satellite.
4. **SERV. U**
   For use by service personnel only.
5. **AV OUT (VIDEO and AUDIO L/R)**
   Audio and video output to analog devices such as another TV or a recording device.
6. **AV IN (VIDEO and AUDIO L/R)**
   Analogue audio and video input from analogue or digital devices such as DVD players, satellite receivers and VCRs.
7. **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



1. **SERVICE**
   For software update.
2. **HDMI**
   Digital audio and video input from high-definition digital devices such as Blu-ray players.
3. **VIDEO**
   Composite video input from analog devices such as VCRs.
4. **AUDIO L/R**
   Audio input from analog devices connected to **VIDEO**.
5. **🎧**
   Stereo audio output to headphones or earphones.

Connect a computer

Before connecting a computer to the TV

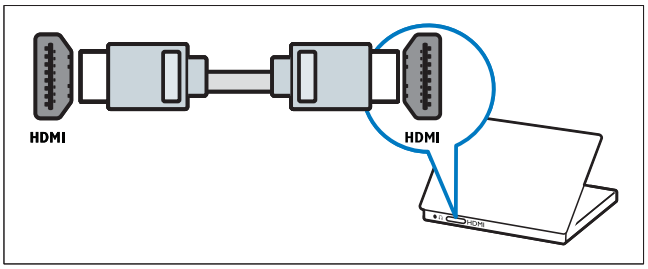
- Set the monitor refresh rate on your computer to 60Hz.
- Press ▭ (灵智图像) and change the TV picture format to **[Unscaled]**.

Connect a computer with one of the following connectors:

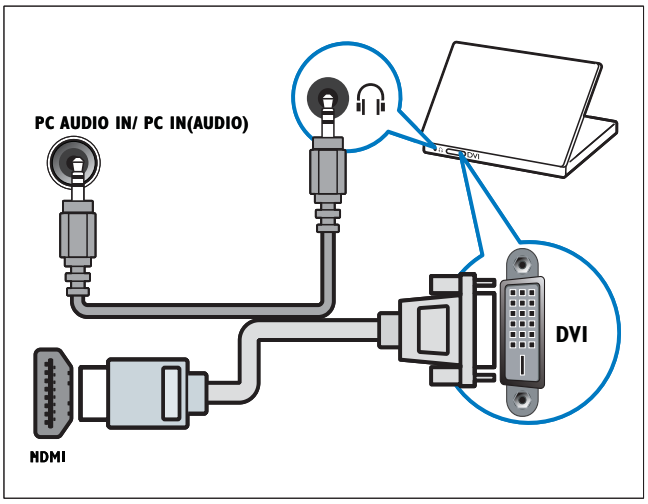
Note

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

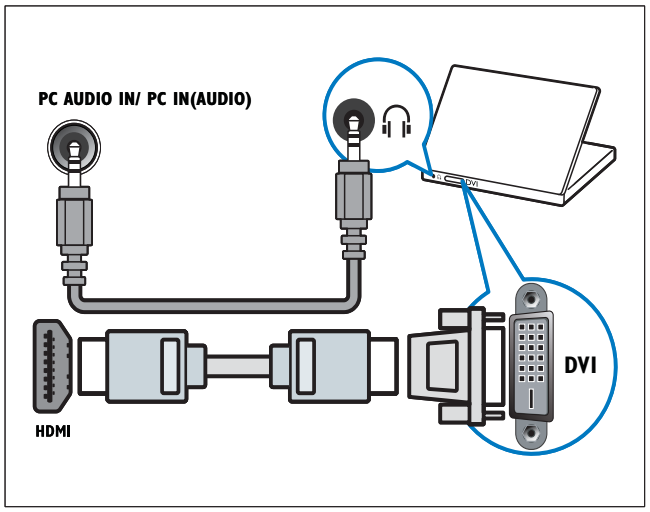
- HDMI cable



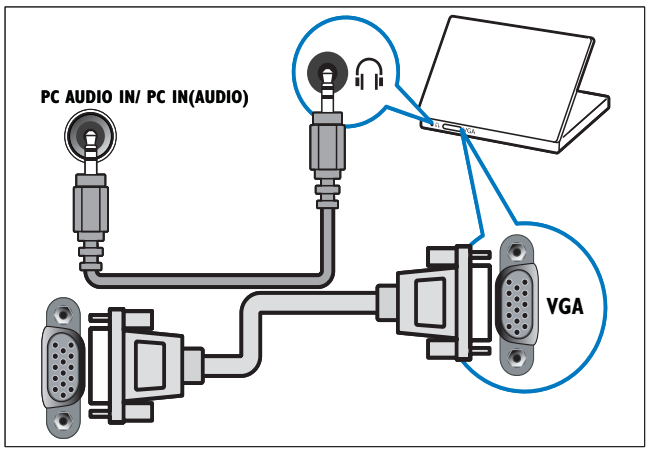
- DVI-HDMI cable



- 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.

English

Assign 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 Press 确认 or ▶.
3 Press ▲ or ▼ to select a device. Press ▶.
4 Press ▲ or ▼ to select the conector 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.

Tip

- Press 电视 to switch back to the aerial 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]**.

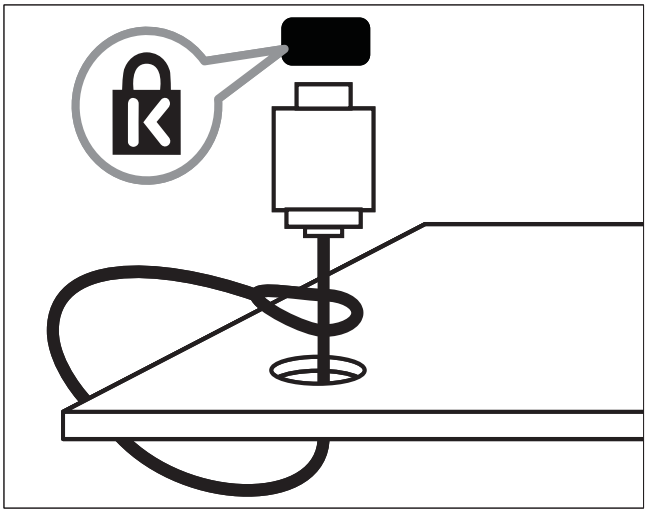
Set TV speakers to EasyLink mode

When enabled, this feature automatically turns off TV speakers when content from an EasyLink-compliant home theatre system is played. Audio is played only from the home theatre 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 **[Auto (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)
720x400	70,
640x480	60, 72, 75, 85
800x600	60, 72, 75, 85
1024x768	60, 70, 75, 85
1280x768	60
1280x1024	60
1360x768	60
1680x1050	60
1920x1200	60

VGA:

Resolution	Refresh rate (Hz)
640x480	60, 72, 75, 85
720x400	70, 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(1440) x 480i	60
720 x 576p	50
720(1440) x 576i	50
1280 x 720p	60
1280 x 720p	50
1920 x 1080i	50, 60
1920x 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, M4V, RM, JPEG, MP3

Remote control

- Batteries: 2 x AAA (R03 type)

Connections

- Headphone out (stereo mini-jack)
- TV aerial
- S-Video
- CVBS in
- CVBS out
- YPbPr: Component video (CVI in)
- VGA in
- HDMI
- VGA Audio in
- USB (for software update only)
- Service connector

Power

- Mains power: AC 220-240 (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 or a VESA-compatible TV mount. To prevent damage to cables and connectors, be sure to leave a clearance of at least 2.2 inches 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	VESA-compatible 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 '0711'.

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.

No digital channels were found during the installation:

- Check that the TV supports DVB-T or DVB-C in your country. See the listed countries on the back of the TV.

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.

10 Index

A

Analogue channel
- fine-tune 17

B

Batteries 6, 24
Bracket 23

C

Channel list
- favourite 11
- troubleshooting 24
- update 12

Channels
- favourite list 11
- install
  - automatic 16
  - manual 16
- rearrange 17
- rename 17
- tune 17

Child lock
- TV lock 13

Clock 14
Computer format
- technical specifications 22

Connections
- HDMI
  - troubleshooting 25
- technical specifications 22
- troubleshooting 25

Connectors
- assign devices 20

D

Demo 15
Devices
- assign 20

Display
- resolution 22

E

EasyLink
- disable 20
- enable 20

Environmental care 4

F

Factory settings 15
Favourite list
- select 11
- set up 11

H

HDMI cable
- troubleshooting 25

Home mode 15

I

Installation
- automatic 16
- manual 16

K

Kensington lock 21

L

Language
- troubleshooting 24

Location 15
Lock
- Kensington 21
- TV 13

M

Menu
- child lock 13
- language 24
- main menu 9
- troubleshooting 24

Multimedia
- technical specifications 22

P

Picture format
- troubleshooting 24

Picture settings 9
PIN code 24
Power 24

R

Reception 17, 26
Remote control
- overview 5
- technical specifications 22
- troubleshooting 24

S

Safety 3
Sleep timer 12
Smart settings 9, 11
Software
- update
  - analogue 14
- version 14

Sound settings 11
Standby
- troubleshooting 24

T

Technical specifications 22
Timer
- on timer 12
- sleeptimer 12
- standby 12

Transmission
- troubleshooting 24

Troubleshooting 24
Tune channels 17
TV
- adjust volume 8
- disconnect from mains 18
- menu 9
- position 21
- safety 3
- screen care 4
- software 14
- standby 7
- switch channels 7
- switch off 7
- switch on 7
- transporting 3
- troubleshooting 24
- tuner technical specifications 22
- TV overview 5
- wall mount 3, 23

TV lock
- lock channels 13
- lock connected devices 13
- PIN code 24

V

Video format
- technical specifications 22

Volume
- adjust 8

© 2008 Koninklijke Philips Electronics N.V.
All rights reserved.
Document order number: 72-CLICK0-X931D