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32HFL5332/97

37HFL5382/97

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EN User Manual

PHILIPS

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.

×: 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

此标识指期限（十年），电子信息产品中含有的有毒有害物质或元素在正常使用的条件下不会发生外泄或突变，用户使用该电子信息产品不会对环境造成严重污染或对其人身、财产造成严重 损害的期限。

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.

电池标识 Battery labeling logo



环保使用期限 Environmental Protection Use Period

此标识指期限（五年），电池中含有的有毒有害物质或元素在正常使用的条件下不会发生外泄或突变，用户使用该电池产品不会对环境造成严重污染或对其人身、财产造成严重 损害的期限。

This logo refers to the period (5 years) during which the toxic or hazardous substances or elements contained in the **battery** 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.

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1 Notice

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Warranty

- Risk of injury, damage to TV or void of warranty! Never attempt to repair the TV yourself.
- Use the TV and accessories only as intended by the manufacturer.
- The caution sign printed on the back of the TV indicates risk of electric shock. Never remove the TV cover. Always contact Philips Customer Support for service or repairs.



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

Pixel characteristics

This LCD product has a high number of 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.

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.

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2 Important

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

Safety

Risk of electric shock or fire!

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



- Never insert objects into the ventilation slots or other openings on the TV.
- When the TV is swivelled ensure that no strain is exerted on the power cord. Strain on the power cord can loosen connections and cause arcing.

Risk of short circuit or fire!

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

Risk of injury or damage to the TV!

- Two people are required to lift and carry a TV that weighs more than 25 kg.
- When stand mounting the TV, use only the supplied stand. Secure the stand to the TV tightly. Place the TV on a flat, level surface that can support the combined weight of the TV and the stand.
- When wall mounting the TV, use only a wall mount that can support the weight of the TV. Secure the wall mount to a wall that can support the combined weight of the TV and wall mount. Koninklijke Philips Electronics N.V. bears no responsibility for improper wall mounting that result in accident, injury or damage.

Risk of injury to children!

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

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

Risk of overheating!

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

Risk of damage to the TV!

- Before you connect the TV to the power outlet, ensure that the power voltage matches the value printed on the back of the TV. Never connect the TV to the power outlet if the voltage is different.

Risk of injury, fire or power cord damage!

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

Risk of hearing damage!

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

Low temperatures

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

Screen care

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

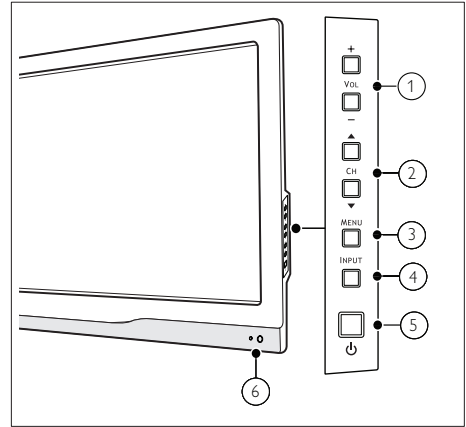
3 Your TV

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

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

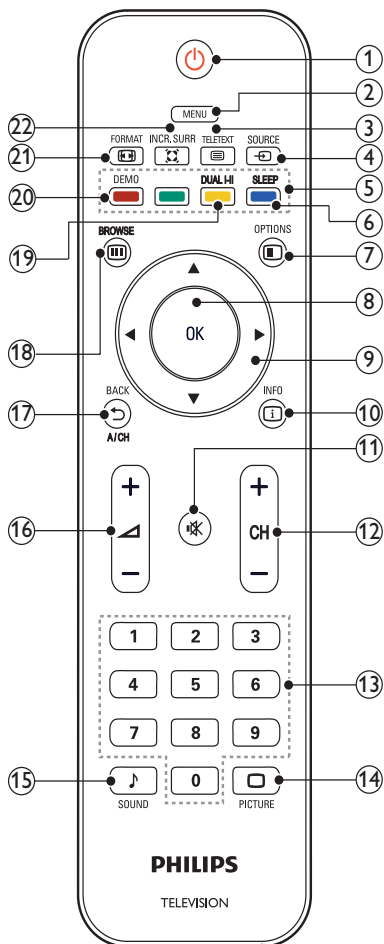
Please read section 3 to 6 to set the basic consumer menu first, then follow the instructions in section 7 to set the Professional mode menu.

Side controls and indicators



- ① VOL +/- : Increases or decreases volume.
- ② CH ▲/▼: Switches to the previous or next channel (source).
- ③ MENU: Toggles the home menu or confirm selected item.
- ④ INPUT: Selects connected devices.
- ⑤ ⏻ (Power): Switches the product on or off. The product is not powered off completely unless it is physically unplugged.
- ⑥ Remote control sensor.

Remote control



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

- 2 **MENU**
Toggles the main menu on or off.

- 3 **TELETEXT**
Toggles teletext on or off.

Note

- Teletext is not applicable for China (/93) models and only for selected models.

- 4 **📺 SOURCE**
Selects connected devices.

- 5 **Color buttons**
 - Selects tasks or options.

- 6 **SLEEP**
Switches the TV to standby after a pre-defined period of time.

- 7 **☰ OPTIONS**
Accesses options relating to the current activity or selection.

- 8 **OK**
Confirms an entry or selection and displays the channel grid, when watching TV.

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

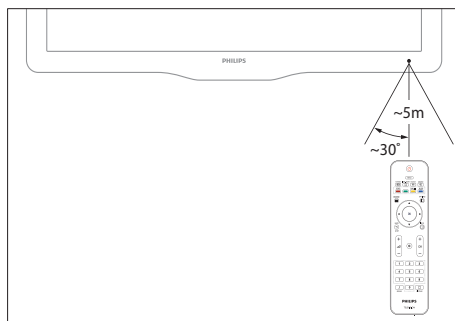
- 10 **ℹ INFO**
Displays program information, when available. If the information spans multiple pages, press **OPTIONS** to go to the next page.

- 11 **🔇 (Mute)**
Mutes or restores volume.

- ⑫ **CH +/- (Channel +/-)**
Switches to the previous or next channel.
When the TV menu is on, this functions as Page Up / Down.
When PBS setup menu is on, it switches to the previous or next channel or source.
- ⑬ **0-9 (Numeric buttons)**
Selects a channel or setting.
- ⑭ **□ PICTURE (Smart Picture)**
Launches the picture menu.
- ⑮ **♪ SOUND (Smart Sound)**
Launches the sound menu.
- ⑯ **↔ +/- (Volume +/-)**
Increases or decreases volume.
- ⑰ **↶ BACK A/CH (Previous channel)**
- Returns to a previous screen.
 - Returns to the previously viewed channel.
- ⑱ **⌂ BROWSE**
Switches between channel grid and program list.
- ⑲ **DUAL I-II**
Selects audio languages if dual sound broadcast is available.
- ⑳ **DEMO (Used in selected models only)**
Toggles the demonstration menu on or off.
- ㉑ **🖼️ FORMAT**
Selects a picture format.
- ㉒ **🔊 INCR. SURR**
Enables Incredible Surround for stereo sources. Enables spatial mode for mono sources.

Remote control usage

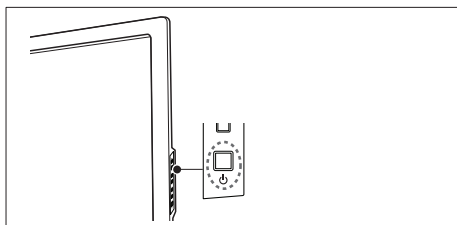
When using the remote control, hold it close to the TV and point it at the remote control sensor. Make sure that the line-of-sight between the remote control and TV is not blocked by furniture, walls or other objects.



4 Use your TV

This section helps you perform basic TV operations.

Switch your TV on / off or to standby



To switch on

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

To switch to standby

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

To switch off

- Press **⏻ (Power)** at the side of the TV.
↳ The standby indicator switches off.

Tip

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

Note

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

Switch channels

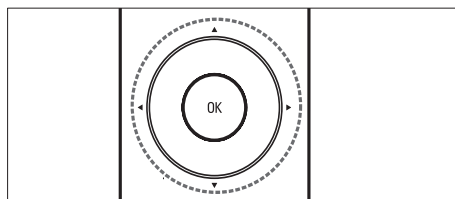
- Press **CH +/-** on the remote control or **CH ▲/▼** on the side of the TV.
- Enter a channel number using the **Numeric buttons**.
- Press **OK** to use the channel grid.
- Press **↩ BACK A/CH** on the remote control to return to the previous channel.

Note

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

Switch channels with the channel grid

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



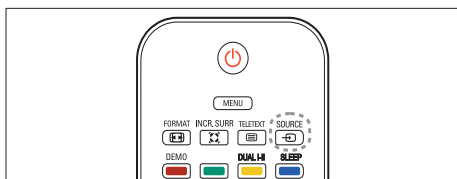
- 1 Press **OK**.
↳ The channel grid appears.
- 2 Press **▲▼◀▶** to browse the channel grid.
- 3 Press **OK** to select a channel.

Watch connected devices

Note

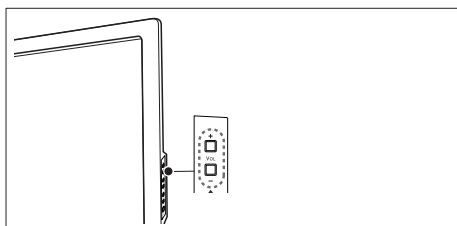
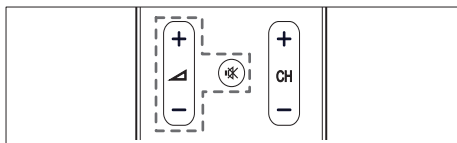
- Switch on the device before selecting it as a source on the TV.

Use the source button



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

Adjust TV volume



To increase or decrease volume

- Press **▲▼** +/-.

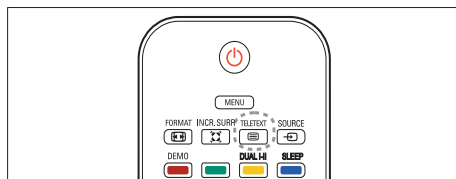
To mute or unmute sound

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

Use teletext

Note

- Teletext is not applicable for China (/93) models and only for selected models.








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

5 Use more of your TV

Access TV menus

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

- 1 Press **MENU** > **[PBS Settings]** > **[Consumer Setup]** > **[Yes]**.
↳ The consumer menu appears.

 Picture	Smart picture
	Video contrast
 Sound	Contrast
	Brightness
 Features	Color
	Hue
 Installation	Sharpness
	Noise reduction
 Software update	

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

Note

- In PBS mode, the Guest Menu simply provides Picture, Sound, Feature, and Multimedia (Only available if USB device is plugged.) items.

Change picture and sound settings

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

Note

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

Use smart picture

Use smart picture to apply pre-defined picture settings.

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

Manually adjust picture settings

- 1 Press **MENU** > **[PBS Settings]** > **[Consumer Setup]** > **[Yes]**.
↳ The consumer menu appears.
- 2 Select **[Picture]** and press **OK**.
- 3 Press **▲▼◀▶** to select the following settings.
 - **[Smart picture]**: Accesses pre-defined smart picture settings.
 - **[Video contrast]**: Adjusts the intensity of video contents, keeping backlight unchanged.
 - **[Contrast]**: Adjusts the intensity of backlight areas, keeping video contents unchanged.
 - **[Brightness]**: Adjusts the intensity and details of dark areas.
 - **[Color]**: Adjusts color saturation.
 - **[Hue]**: Compensates for color variations.
 - **[Sharpness]**: Adjusts sharpness in the image.
 - **[Noise reduction]**: Filters and reduces noise in an image.
 - **[Color Temperature]**: Sets the color temperature to cool, normal, or warm.
 - **[Digital Crystal Clear]**: Fine-tunes each pixel to match surrounding pixels. This produces a brilliant, high-definition image.
 - **[Dynamic contrast]**: Enhances contrast. A **[Medium]** setting is recommended.
 - **[Dynamic backlight]**: Adjusts brightness of the TV backlight to match lighting conditions.
 - **[Color enhancement]**: Makes colors more vivid and improves the 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 or DVI.

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

Change picture format

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

Summary of picture formats

The following picture settings can be configured.

Note

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



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



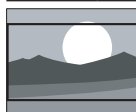
[4:3]: Shows the classic 4:3 format.



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



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



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



[Wide screen]: Scales 4:3 format to 16:9.



[Unscaled]: For HD and PC mode only, and in selected models only. Allows maximum sharpness. Some distortion may be present due to the broadcaster's systems. Set your PC resolution to wide screen mode for best results.

Use smart sound

Use smart sound to apply pre-defined sound settings.

- 1 Press **SOUND**.
↳ The **[Smart sound]** menu appears.
- 2 Press **▲▼** to select the following settings.
 - **[Standard]** : Adjusts sound settings to suit most environments and types of audio.
 - **[News]** : Applies settings for spoken audio, such as news.
 - **[Movie]** : Applies settings for movies.
 - **[Custom]** : Applies the settings that were customized in the sound menu.
- 3 Press **OK** to confirm your choice.
↳ The selected smart sound setting is applied.

Manually adjust sound settings

- 1 Press **MENU** > **[PBS Settings]** > **[Consumer Setup]** > **[Yes]**.
↳ The consumer menu appears.
- 2 Press **▲▼** to select **[Sound]** and press **OK**.
- 3 Press **▲▼◀▶** to select the following settings.
 - **[Smart sound]** : Accesses pre-defined smart sound settings.
 - **[Bass]** : Adjusts the bass level.
 - **[Treble]** : Adjusts the treble level.
 - **[Volume]** : Adjusts the volume.
 - **[Balance]** : Adjusts the balance of the right and left speakers.
 - **[Dual I-II]** : Selects audio languages if dual sound broadcast is available.
 - **[Mono/Stereo]** : Selects mono or stereo if stereo broadcast is available.
 - **[Surround]** : Enables spatial sound.
 - **[Auto volume levelling]** : Automatically reduces sudden volume changes, for example, when switching channels.
 - **[Delta volume]** : Levels out volume differences between channels or connected devices. Switch to the connected device before you change the delta volume.

Use advanced teletext features



- Teletext is not applicable for China (/93) models and only for selected models.

Access the teletext options menu

Access the teletext features through the teletext options menu.

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

Select teletext subpages

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

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

Select T.O.P. teletext broadcasts

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

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

Create and use list of favorite channels

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

Note

- The function is only available when PBS mode is off.

Select a favorite list

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

Note

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

View all channels

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

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

Note

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

Add a channel to a favorite list

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

Note

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

Remove a channel from a favorite list

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

Use the TV clock

You can display a clock on the TV screen.

Set the TV clock

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

Display the TV clock

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

Use timers

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



Tip

- Set the TV clock before you use timers.

Automatically switch the TV to standby (sleep timer)

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



Tip

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

- 1 Press **MENU** > **[PBS Settings]** > **[Consumer Setup]** > **[Yes]**.
↳ The consumer menu appears.
- 2 Press **▲▼◀▶** to select **[Features]** > **[Sleep timer]**.
↳ The **[Sleep timer]** menu appears.
- 3 Press **◀▶** to select a value between zero and 240 minutes.
↳ The sleep timer can be set in steps of five minutes. If set to zero, the sleep timer is switched off.
- 4 Press **OK** to switch on the sleep timer.
↳ The TV switches to standby after the specified time.

Automatically switch the TV on (on timer)

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

- 1 Press **MENU** > **[PBS Settings]** > **[Consumer Setup]** > **[Yes]**.
↳ The consumer menu appears.
- 2 Press **▲▼◀▶** to select **[Features]** > **[On timer]**.
- 3 Press **▶** to enter the **[On timer]** menu.
 - **[Activate]**: Selects how often the TV is switched on.
 - **[Time]**: Sets the time to switch on the TV.
 - **[Program no.]**: Selects the channel or the connected device.
- 4 Press **MENU** to exit.

Tip

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

Use TV locks

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

Set or change your PIN code

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

Tip

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

Lock or unlock the TV

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

- 1 Press **MENU** > **[PBS Settings]** > **[Consumer Setup]** > **[Yes]**.
↳ The consumer menu appears.
- 2 Press **▲▼◀▶** to select **[Features]** > **[TV lock]**.
↳ You are prompted to enter your PIN code.
- 3 Enter your code using **Numeric buttons**.
↳ The **[TV lock]** menu appears.
- 4 Press **▲▼** to select **[Lock]** or **[Unlock]**.

- 5 Press **OK** to confirm.
↳ All channels and connected devices are locked or unlocked.
- 6 Press **MENU** to exit.

Note

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

Lock or unlock one or more channels

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

Note

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

View photos and play music 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.

Use the USB connector to view photos or listen to music stored on a USB storage device.

- 1 Turn on the TV.
- 2 Press **☰** **SOURCE** and select [**USB**], then press **OK**.
↳ The USB menu appears.
- 3 Press **OK** to enter the USB content menu.
↳ The USB file browser appears.

View a slide show of your photos

- 1 In the USB file browser view, press **▲▼** to select a picture, then press **OK**.
↳ A slide show begins from the selected photo.
- 2 Press the following buttons to control the slide show:

Button	Function
☰ OPTIONS	Selects [Stop slideshow] to pause the slideshow.
▲ / ▼	When the slideshow is stopped, press to go back or move forward to the next image.
↶ BACK	Stops the slideshow.

Change slide show settings

- 1 When viewing a slide show, press **⏏** **OPTIONS**.
↳ The slide show options menu appears.
- 2 Press **▲▼** to select one of the following.
 - **[Start Slideshow] / [Stop Slideshow]**: Starts or pause a slide show.
 - **[Slideshow transitions]**: Sets the transition from one picture to the next.
 - **[Slideshow frequency]**: Sets the amount of time that a picture is shown.
 - **[Rotate image]**: Rotates a picture.
 - **[Show info]**: Displays the picture information.
- 3 Press **OK** to confirm your setting.

Listen to music

- 1 In the USB file browser view, press **▲▼** to select a music track, then press **OK**.
↳ The selected music starts to play.
- 2 Press the following buttons to control the slide show:

Button	Function
⏏ OPTIONS	Selects [Stop playback] to pause the music playback.
↶ BACK	Stops music playback.

Note

- To play other tracks, stop the music playback first, then press **▲▼** to select other tracks from the file browser view.

Music settings

When listening to music, press **⏏** **OPTIONS** to access one of the following music settings.

- **[Start playback] / [Stop playback]**: Starts or stops the music.
- **[Repeat] / [Play once]**: Repeats a song. / Disables repeat play and plays a song or album once.
- **[Shuffle on] / [Shuffle off]**: Enables or disables random play of songs.
- **[Show info]**: Displays the file name.

Disconnect a USB storage device



Caution

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

- 1 Press **↶** **BACK** to exit the USB browser.
- 2 Wait for five seconds then disconnect the USB storage device.

Update the TV software

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

Check the current software version

- 1 Press **MENU** > **[PBS Settings]** > **[Consumer Setup]** > **[Yes]**.
↳ The consumer menu appears.
- 2 Press **▲▼◀▶** to select **[Software update]** > **[Current software info]**.
↳ The TV displays the current software information.

Download the software

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

Update using a USB device

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



Note

- The TV restarts after the software update is complete.

Disconnect a USB storage device



Caution

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

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

Change TV preferences

Use the preferences menu to customise your TV settings.

- 1 Press **MENU** > **[PBS Settings]** > **[Consumer Setup]** > **[Yes]**.
↳ The consumer menu appears.
- 2 Press **▲▼◀▶** to select **[Installation]** > **[Preferences]**.
 - **[Location]**: Optimises TV settings for your location - home or shop.
 - **[Volume bar]**: Displays the volume bar when you adjust the volume.
 - **[EasyLink]**: Enables one-touch play, one-touch standby, and one-touch audio between EasyLink-compliant devices.
- 3 Press **▲▼◀▶** to select your preference.
- 4 Press **OK**.
- 5 Press **MENU** to exit.

Reset the TV to factory settings

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

- 1 Press **MENU** > **[PBS Settings]** > **[Consumer Setup]** > **[Yes]**.
↳ The consumer menu appears.
- 2 Press **▲▼◀▶** to select **[Installation]** > **[Factory settings]**.
- 3 Press **▶** to enter **[Factory settings]**.
- 4 Select **[Reset]** to start resetting.
- 5 Press **OK**.
- 6 Press **MENU** to exit.

6 Install channels

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

Automatically install channels

This section describes how to search and store channels automatically.

Step 1 Select your menu language



Note

- Skip this step if your language settings are correct.

- 1 Press **MENU** > **[PBS Settings]** > **[Consumer Setup]** > **[Yes]**.
↳ The consumer menu appears.
- 2 Press **▲▼◀▶** to select **[Installation]** > **[Menu language]**.
- 3 Press **▶** to enter **[Menu language]**.
- 4 Press **▲▼** to select a language.
- 5 Press **OK** to confirm.
- 6 Press **MENU** to exit.

Step 2 Install channels

- 1 Press **MENU** > **[PBS Settings]** > **[Consumer Setup]** > **[Yes]**.
↳ The consumer menu appears.
- 2 Press **▲▼◀▶** to select **[Installation]** > **[Channel installation]** > **[Auto install]**.
↳ The **[Auto install]** menu appears.
- 3 Select **[Yes]** and then press **OK** to enter.

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

Manually install channels

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

Step 1 Select your color and sound system

- 1 Press **MENU** > **[PBS Settings]** > **[Consumer Setup]** > **[Yes]**.
↳ The consumer menu appears.
- 2 Press **▲▼◀▶** to select **[Installation]** > **[Channel installation]** > **[Analog: manual install]**.
↳ The **[Analog: manual install]** menu appears.
- 3 Press **▲▼** to select **[Color system]**, then press **▶** to enter.
↳ A list of available color systems appears.
- 4 Press **▲▼** to select your color system, then press **OK**.
↳ Returns to the **[Analog: manual install]** menu.
- 5 Press **▲▼** to select **[Sound system]**, then press **▶** to enter.
↳ A list of available sound systems appears.
- 6 Press **▲▼** to select your sound system, then press **OK**.
- 7 Press **MENU** to exit.

Step 2 Search and store new TV channels

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

Step 3 Fine-tune analog channels

- 1 Press **MENU** > **[PBS Settings]** > **[Consumer Setup]** > **[Yes]**.
↳ The consumer menu appears.
- 2 Press **▲▼◀▶** to select **[Installation]** > **[Channel installation]** > **[Analog: manual install]**.
↳ The **[Analog: manual install]** menu appears.
- 3 Press **▲▼** to select **[Fine tune]**, then press **▶** to enter.
- 4 Press **▲▼** to adjust frequency.
- 5 Press **OK** to confirm.

- 6 Press **▲▼** to select **[Store current channel]** to store channel number.
- 7 Press **▶** to enter **[Store current channel]**.
- 8 Select **[Yes]**, then press **OK** to store current channel.
- 9 Press **MENU** to exit.

Skip channels

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

Tip

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

Rename channels

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

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



Tip

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

Rearrange channels

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

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

7 Professional mode instruction

Introduction

Included in this TV is a special functional mode that allows the TV to be configured for commercial application. This feature is called Professional mode.

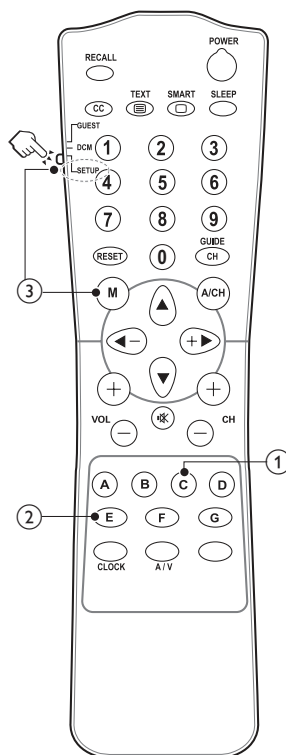
This section has been designed to help install and operate this TV in Professional mode. Before reading this section, please read section 3 to 6 to set the basic functionality of this TV.

Benefits of Professional mode

This TV is specially designed to operate in Professional Mode. Professional Mode offers the following benefits:

- Access to the **[Consumer Menu]** can be blocked. This prevents users (e.g. guests) from deleting or changing channel settings and / or modifying picture and sound settings. This ensures that TVs are always set up correctly.
- A switch-on volume and channel can be selected. After switching on, the TV will always start on the specified volume level and channel.
- The maximum volume level of the TV can be limited in order to prevent disturbance to other guest.
- Channels can be blanked (Video only).
- The TV local buttons can be locked.
- Screen information can be suppressed.

Professional Setup Remote control (2573 optional)



- ① **C button (OPTIONS)**
Accesses options relating to the current activity or selection. (Equals to the function of **OPTION** on Guest remote control).
- ② **E button (OK)**
Confirms an entry or selection.
- ③ **(Enters Professional setup menu)**
 - Selects **SETUP** mode first.
 - Press **M** button to enter the Professional setup menu.

Note

- **SETUP** mode should be selected for hotel installer.

Activating the Professional mode setup menu

- 1 Switch on the TV and select a TV channel.
- 2 Press the following buttons to access Professional mode setup menu:
 - **[3, 1, 9, 7, 5, 3+ MUTE]** on Guest remote control.
 - **M button** on Professional setup remote control. (When **SETUP** mode is selected on the Professional setup remote control.)
- 3 Press **▲▼◀▶** on the remote control to select and change any of the settings.
- 4 When done, select **[PBS setting] > [Store] > [Yes]** to save the changes. Press **MENU** to exit without saving.
- 5 For Professional mode settings to take effect, you must restart the TV mains power.

Professional mode options

This paragraph describes the functionality of each item in the Professional mode setup menu.

Layer 1	Layer 2	Layer 3
PBS Settings	PBS Mode	Off / On
	Consumer Setup	Yes
	Store	Yes
	Reset	Yes
Switch on Setting	Maximum volume	0~100
	Picture format	Super zoom / 4:3 / Subtitle zoom / Movie expand 14:9 / Movie expand 16:9 / Wide screen / Unscaled
	Power on	On / Standby / Last status
	Smart power	Off / Low / Medium / High
	Switch on Vol	Last Status
		User Defined
Switch on Ch	Last Status	
	User Defined	
Welcome Msg	Display message	Off / On / Chinese
	Line 1	Edit
	Line 2	Edit
	Line 3	Edit
	Line 4	Edit
	Line 5	Edit
	Clear	Yes
	Message Time-out	20 sec / 25 sec / 30 sec
Control Settings	Local KB Lock	Off / On / All
	RC Lock	Off / On
	OSD Display	Off / On
	High Security Mode	Off / On
	HDMI-CEC in	Off / On
	USB break in	Off / On
	Enable teletext (Only for selected models)	Off / On
	Blue Mute	Off / On
	Digit Timeout	0.5 ~ 10 seconds
	Selectable AV	List of selectable external sources.
	Monitor Out	Off / On
	ESP	0~24 hours

Layer 1	Layer 2	Layer 3
Speaker Settings	TV Speaker Enable	Off / On
	Bathroom Speaker Volume	0 ~ 10
Installation	Blank Channel	Off / On
	Multi RC	Blue / Off Green Yellow Red
	Smart RC	Off / On
PayTV Setup	R0	All available channels
	R1	Pay TV channel list
	R2	Pay TV channel list
Smart Clone	USB to TV	Load
	TV to USB	Load

PBS settings

[PBS Mode]

Enables / disables the Professional mode.

- **[On]:** All settings in the Professional mode Setup menu are in effect.
- **[Off]:** The TV operates as a normal (consumer) TV.

[Consumer Setup]

A shortcut to enter the full TV menu. This allows the installers to do all the TV setup settings.

[Store]

Selects **[Yes]** to save the changes in Professional mode. Restarts the TV mains power for the changes to take effect.

[Reset]

Selects **[Yes]** to reset all settings in Professional mode and consumer mode to factory default.

Switch on setting

[Maximum volume]

This option specifies the maximum allowable volume level of the TV.

[Picture format]

Sets available picture format when the TV is switched on.

[Power on]

The power on function allows the TV to enter a specific mode (**[On]**, **[Standby]**, or **[Last status]**) of operation after the mains power is activated.

- **[On]:** When set, the TV will always turn on after the mains power is activated.
- **[Standby]:** When set, the TV will always turn to standby after the mains power is activated.
- **[Last status]:** When set, the TV will always turn to the last status (either On or Standby) whenever the mains power is activated.

[Smart power]

Adjusts the picture backlight to achieve the following power saving mode.

- **[Off]:** Smart power is disabled.
- **[Low]:** The picture backlight is at low power saving mode.
- **[Medium]:** The picture backlight is at medium power saving mode.
- **[High]:** The picture backlight is at high power saving mode.

[Switch on Vol]

When the installer switches the TV on, it will play at the specified volume level.

- **[Last status]:** If **[On]** is selected, the TV will be automatically switched to the last volume status whenever the mains power is turned on. (The volume level can not exceed the **[Maximum volume]** level).
- **[User defined]:** (Only appears when you select **[Last status] > [Off]**). The installer can adjust his/her preferred switch on volume level.

[Switch on Ch]

When the installer switches the TV on, it will play at the specified channel.

- **[Last status]:** If **[On]** is selected, the TV will be automatically switched to the last channel status whenever the mains power is turned on.
- **[User defined]:** (Only appears when you select **[Last status] > [Off]**). The installer can choose his / her preferred switch on channel.

Welcome message

The Welcome message function allows the TV to show a customized greeting to the hotel guest whenever the TV is switched on. This helps to personalize the hotel experience for guests. The Welcome message can consist of 5 lines of text, with each line containing a maximum of 25 alphanumeric characters. Use ▲▼◀▶ on the remote control to compose the Welcome message.



Note

- Welcome message is always disabled if you select **[Control settings] > [OSD display] > [Off.]**

- **[Display message]:**
 - **[Off]:** Closes welcome message.
 - **[On]:** Displays customized welcome message. (Sets customized messages from Line 1 to Line 5 below mentioned).
 - **[Chinese]:** Displays a Chinese Welcome Message.
- **[Line 1]:** Sets the characters of the first line message.
- **[Line 2]:** Sets the characters of the second line message.
- **[Line 3]:** Sets the characters of the third line message.
- **[Line 4]:** Sets the characters of the fourth line message.
- **[Line 5]:** Sets the characters of the fifth line message.
- **[Clear]:** Clear the settings in Line 1 to Line 5.
- **[Message Time-out]:** Sets the period of time to display the welcome message on the screen when TV is turned on from standby / Off.

Control settings

[Local KB lock]

- **[Off]:** The TV local buttons will function normally.
- **[On]:** The TV local buttons are locked except **⏻ (POWER)** button.
- **[All]:** All TV local buttons are locked, including **⏻ (POWER)** button.

[RC lock]

Disables the operation of the Guest remote control.

- **[Off]:** All buttons on Guest remote control will function normally.
- **[On]:** All buttons on the Guest remote control are disabled. (It is still possible to enter the Professional setup menu by pressing **[3, 1, 9, 7, 5, 3 + MUTE]**).

[OSD display]

Sets this function to show or hide screen information.

- **[Off]:** Screen information is suppressed.
- **[On]:** Normal screen information is displayed.

[High security]

- **[Off]:** Professional mode setup menu can be accessed by both Guest remote control (Press **[3, 1, 9, 7, 5, 3 + MUTE]**) and the Professional setup remote control (Press **M button**)
- **[On]:** Professional mode setup menu can only be accessed by the Professional setup remote control.

[HDMI-CEC in]

HDMI-CEC (Philips EasyLink) enables one-touch play, one touch standby, and one-touch audio between HDMI-CEC compliant devices.

 **Note**

- Before activating HDMI-CEC in function, make sure the HDMI-CEC compliant devices are turned on.
- Selects **[EasyLink]** > **[On]** first before enabling **[HDMI-CEC in]** in Professional mode.
- Refer to page 37 “*Use Philips EasyLink*” for more details about HDMI-CEC function.

- **[Off]**: Disables HDMI-CEC feature in Professional mode.
- **[On]**: Enables HDMI-CEC feature in Professional mode.

[USB break-in]

Enables or disables USB break-in feature in Professional mode.

- **[Off]**: When USB is plugged in, the **[Multimedia]** menu will not appear automatically, but users can access **[Multimedia]** menu from the **[Consumer setup]** menu.
- **[On]**: When USB is plugged in, the **[Multimedia]** menu appears automatically.

[Enable teletext] (Only for selected models)

- **[Off]**: Disables teletext in Professional mode.
- **[On]**: Enables teletext in Professional mode.

[Blue mute]

Sets the background color when there is no signal on TV.

- **[Off]**: The background color is set to black.
- **[On]**: The background color is set to blue.

[Digit Timeout]

Defines the time interval between numeric buttons when users press digits on the remote control. The duration is from 0.5 to 10 seconds. When digit is pressed, the timer refreshes.

[Selectable AV]

Allows the installer to define which external sources to be displayed on the source list when pressing **SOURCE** button on the Guest remote control.

Only the sources marked with **[X]** appear in the source list.

[ESP] (Energy saving program)

Selects the period of time to switch the TV off automatically when TV does not receive any user input. The time is between 0 to 24 hours. Selects “0” to disable this feature.

Speaker Settings

[TV Speaker Enable]

- **[Off]**: Disables the TV speaker. The headphone volume functions normally.
- **[On]**: The TV speaker is enabled. (Default setting).

 **Note**

- When the headphone is plugged in, the TV speaker is muted automatically.

[Bathroom Speaker Volume]

- **[0 ~ 10]**: When the PBS mode is on, adjust the volume from 0 to 10.

 **Note**

- When the PBS mode is off, the volume is fixed.

Installation

[Blank Channel]

The Blank channel function disables the display of video on the TV, but does not affect the audio output. This function can be used for audio applications (example: music-only channels, and so on) which do not necessarily require the display of video.

- 1 Switch to the channel you want to set as blank channel.
- 2 Select **[Blank Channel]** > **[On]**.
↳ Current channel will not display video on the TV.



Tip

- To restore a blank channel, switch to the blank channel and select **[Blank Channel]** > **[Off]**.



Note

- When PBS setup menu is on, press CH +/- to switch the channel or source.

[Multi RC]



Note

- A special remote control is needed. Please contact your local Philips sales person for more information.

Remote control supports up to four televisions operating in one room without interference from each other's remote controls. Each TV and the Guest remote control can be set to match each others.

- 1 Enters **[Multi remote control]** and designate one color (**Blue/Off**, **Green**, **Yellow**, **Red**) to the TV.
- 2 Sets the Guest remote control to the corresponding color by pressing **MENU** and one of the **color button** simultaneously for more than 4 seconds.
- 3 The Guest remote control can operate the TV with the corresponding color.



Note

- **EXAMPLE:** Press **MENU** and **Red button** simultaneously on the Guest remote control for more than 4 seconds to operate the TV with **[Red]** color selected in **[Multi remote control]** menu.
- Guest remote control will be set to default **Blue color** after replacing batteries.

[Smart RC]

- **[Off]:** PayTV channels are accessible via the Guest remote control.
- **[On]:** PayTV channels are only accessible via a special low-cost PayTV remote control from Philips.

PayTV Setup

This function allows you to create customized PayTV channel lists.

- 1 Enters **[PayTV Setup]** in the Professional setup menu.
- 2 Sets PayTV channels from the following TV channel lists:
 - **[R1]:** If **[Smart RC]** is **[On]**, R1 channels marked with **[X]** are only accessible via a special low-cost PayTV remote control 1 from Philips.
 - **[R2]:** If **[Smart RC]** is **[On]**, R2 channels marked with **[X]** are only accessible via a special low-cost PayTV remote control 2 from Philips.
 - **[R0]:** All available channels. Enters to unmark the channels you have marked in **[R1]** and **[R2]** to prevent users from watching full PayTV channels via Guest remote control.



Note

- All non-PayTV channels are listed in **[R0]**.

SmartClone

[USB to TV]

Loads the TV configuration data (including the video, audio, channel Table, and Professional mode settings) from a USB device to the TV set.

[TV to USB]

Loads the TV configuration data (including the video, audio, channel Table, and Professional mode settings) from the TV set to a USB device.

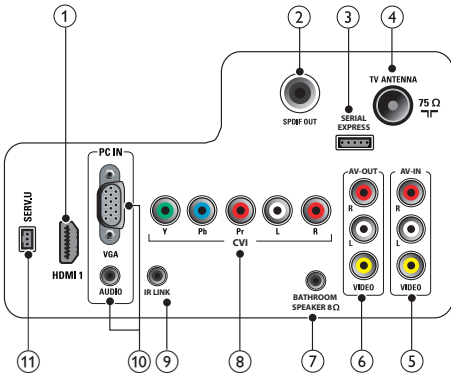
8 Connect devices

This section describes how to connect devices with different connectors.

Note

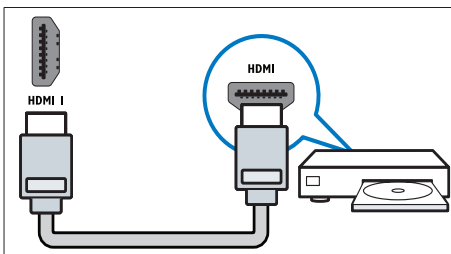
- You can use different types of connectors to connect a device to your TV.

Back connectors



1 HDMI 1

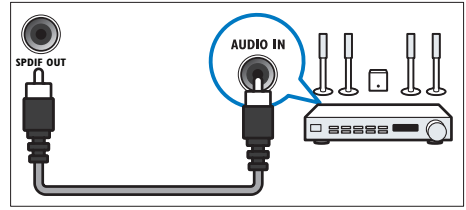
Digital audio and video input from high-definition digital devices such as Blu-ray players.



Connections via DVI require an additional audio cable.

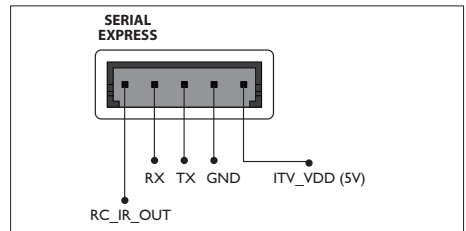
2 SPDIF OUT

Digital audio output to home theaters and other digital audio systems.



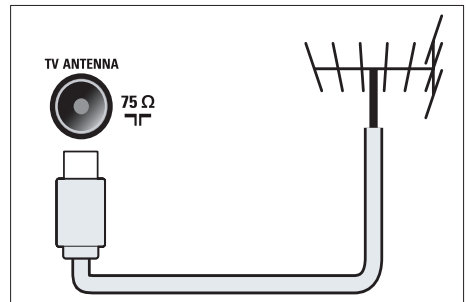
3 SERIAL EXPRESS

For Serial Express communication and use by service personnel.



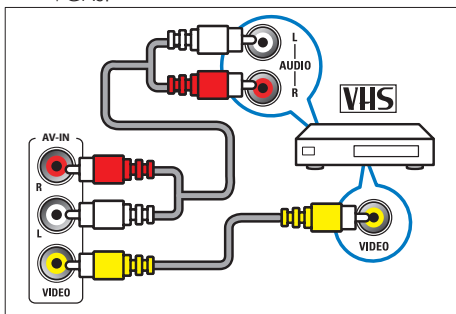
4 TV ANTENNA

Signal input from an antenna, cable or satellite.



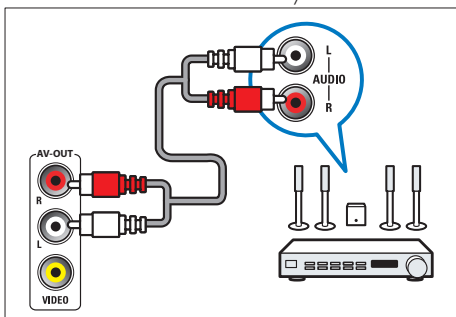
5 AV-IN

Audio or composite video input from analog devices connected to VIDEO or VCRs.

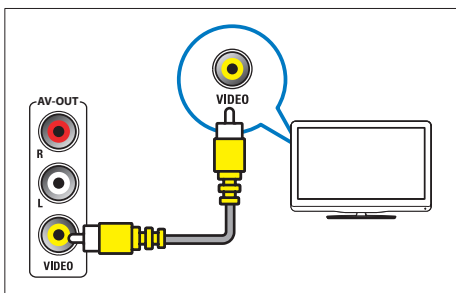


6 AV-OUT

Audio L/R: Analog audio output to home theaters or other audio systems.

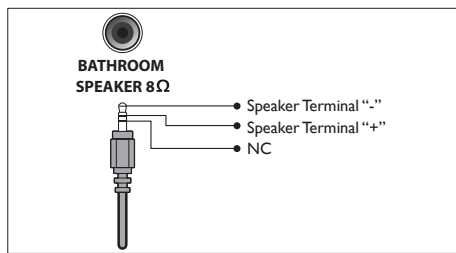
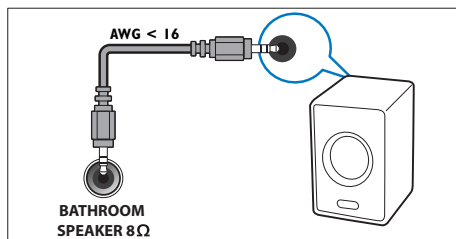


VIDEO: Analog video output to external devices such as another TV set.



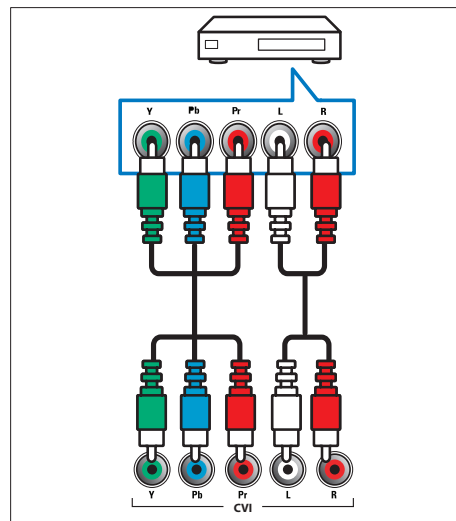
7 BATHROOM SPEAKER 8 Ω

Audio output to a bathroom speaker (1W) via a stereo jack. (Before you connect the bathroom speaker, make sure to turn off the TV mains power.)



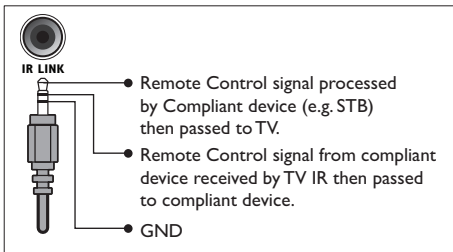
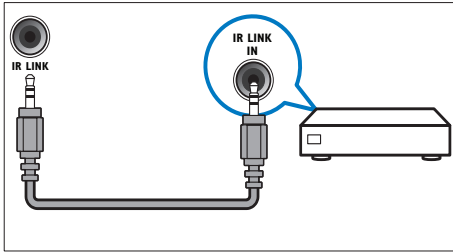
8 CVI (Y Pb Pr and AUDIO L/R)

Analog audio and video input from analog or digital devices such as DVD players or game consoles.



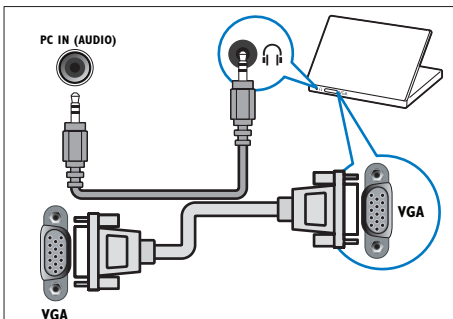
9 IR LINK

Connector for an IR Link compliant device. (e.g. set-up box). It allows the IR command from a Remote Control to be passed on by the TV to the external device, which then sends an action command back to the TV.



10 PC IN (VGA and AUDIO)

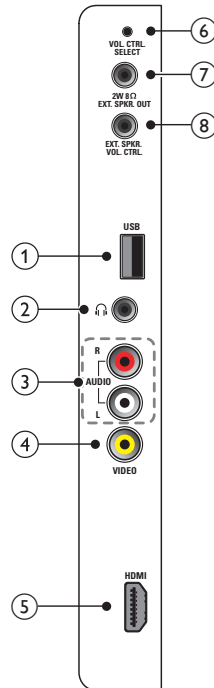
Audio and video input from a computer.



11 SERV. U

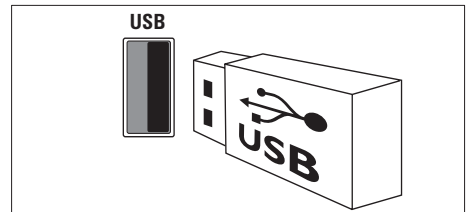
For use by service personnel only.

Side connectors



1 USB

Data input from USB storage devices.



2

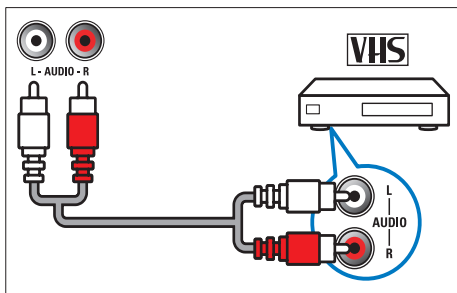
Stereo audio output to headphones or earphones.

Note

- When the headphone is plugged in, the TV speaker is muted automatically.

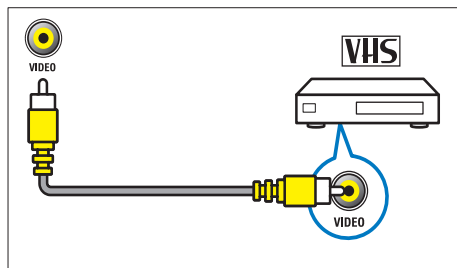
③ AUDIO L/R

Audio input from analog devices connected to VIDEO.



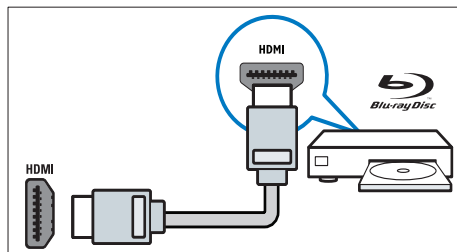
④ VIDEO

Composite video input from analog devices such as VCRs.



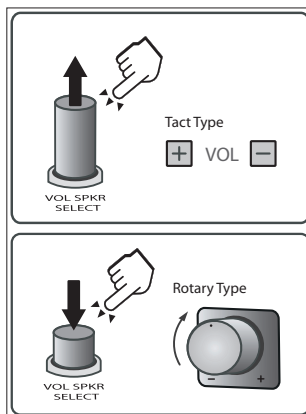
⑤ HDMI

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



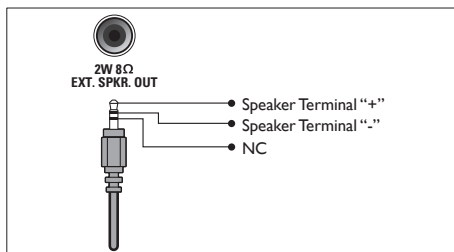
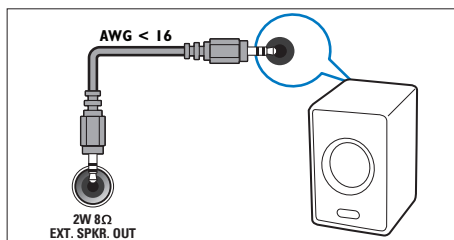
⑥ VOL SPKR SELECT

Selects between rotary and tact to operate the volume controller connected with "EXT SPKR VOL CRTL".



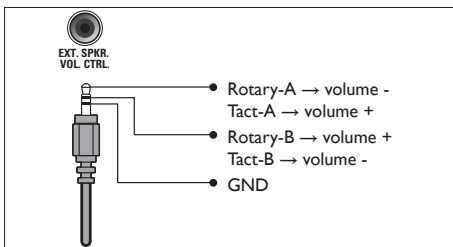
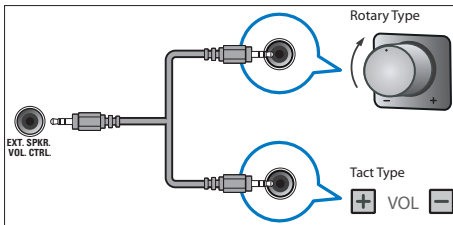
⑦ 2W 8 Ω EXT SPKR OUT

Audio output to a bathroom speaker via a stereo jack. (Before you connect the bathroom speaker, make sure to turn off the TV mains power.)



8 EXT SPKR VOL CTRL

Connector for volume controller via a stereo jack. To adjust the volume of bathroom speaker connected with "2W 8 Ω EXT SPKR OUT".



Connect a computer

Before you connect a computer to the TV

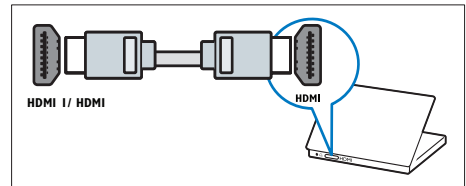
- Set the screen refresh rate on your computer to 60Hz.
- Select a supported screen resolution on your computer.

Connect a computer with one of the following connectors:

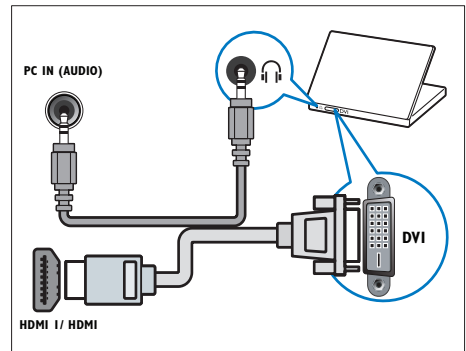
Note

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

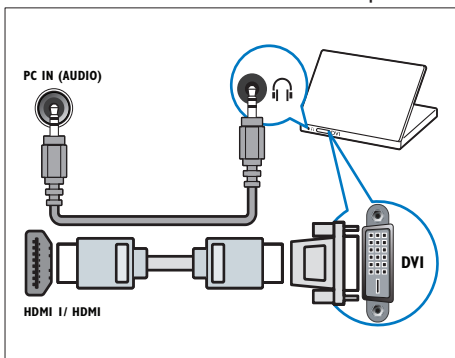
- HDMI cable



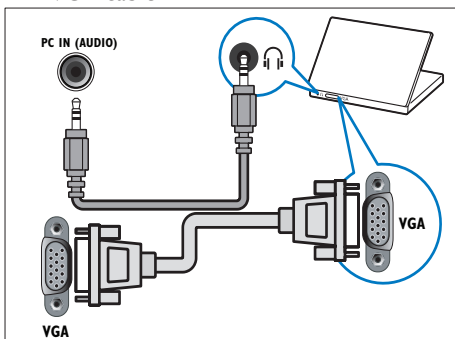
- DVI-HDMI cable



• HDMI cable and HDMI-DVI adaptor



• VGA cable



Use Philips EasyLink

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

Note

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

Enable or disable EasyLink

Note

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

- 1 Press **MENU** > **[PBS Settings]** > **[Consumer Setup]** > **[Yes]**.
↳ The consumer menu appears.
- 2 Press **▲▼◀▶** to select **[Setup]** > **[Installation]** > **[Preferences]** > **[EasyLink]**.
- 3 Select **[On]** or **[Off]**.

Use one-touch play

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

Use one-touch standby

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

Use System audio control (One-touch audio)

When you connect your TV to HDMI CEC compliant amplifier (such as, a Home theater system or an AV receiver), your TV can switch automatically to play audio from the connected amplifier. To use one-touch audio, you must map the audio input from the connected amplifier to your TV. You can use the remote control of the connected amplifier or your TV to adjust the volume.

Enable or disable remote control pass-through

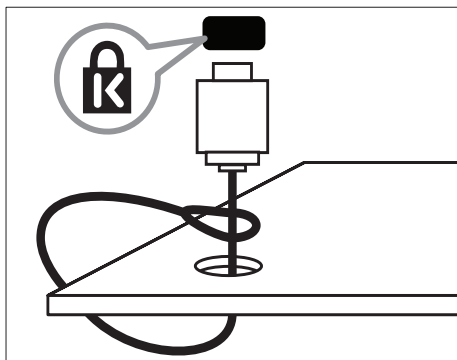
Enable one-touch play and one-touch standby between easylink compliant devices.

Note

- Easylink compliant device must be connected to the TV via HDMI connector.

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.



9 Product information

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

Supported display resolutions

Computer formats

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

Video formats

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

Multimedia

- Supported storage device: USB (Only FAT or FAT 32 USB storage devices are supported.)
- Supported multimedia file formats:
 - Images: JPEG, BMP, GIF
 - Audio: MP3

Tuner / Reception / Transmission

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

Remote control

- Type: PF01A09B (APAC model)
PF01C09B (China model)
- Batteries: 2 × AAA (LR03 type)

Power

- Mains power: 110-240V, 50Hz
- Standby power: < 1 W
- 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 (inches)	Required pitch (mm)	Required mounting bolts ($\geq 12\text{mm}$)
32	200 x 200	4 x M6
37	200 x 200	4 x M6
42	400 x 200	4 x M6

Product specification

Design and specifications are subject to change without notice.

32HFL5332

- Without TV stand
 - Dimension (WxHxD): 778.5 x 509 x 79.6 (mm)
 - Weight: 10 kg
- With TV stand
 - Dimension (WxHxD): 778.5 x 553 x 222 (mm)
 - Weight: 11.8 kg

37HFL5382

- Without TV stand
 - Dimension (WxHxD): 901.5 x 579.7 x 89.5 (mm)
 - Weight: 12.5 kg
- With TV stand
 - Dimension (WxHxD): 901.5 x 623.75 x 237 (mm)
 - Weight: 14.5 kg

42HFL5382

- Without TV stand
 - Dimension (WxHxD): 1011.4 x 650.1 x 90.6 (mm)
 - Weight: 15.6 kg
- With TV stand
 - Dimension (WxHxD): 1011.4 x 699.1 x 256.6 (mm)
 - Weight: 18.8 kg

10 Troubleshooting

This section describes commonly encountered issues and accompanying solutions.

General TV issues

The TV does not switch on:

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

The remote control is not working properly:

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

The standby light on the TV blinks red:

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

You forgot the code to unlock the TV lock feature

- Enter '8888'.

The TV menu is in the wrong language.

- Change the TV menu to your preferred language.

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

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

TV channel issues

Previously installed channels do not appear in the channel list:

- Check that the correct channel list is selected.

Picture issues

The TV is on, but there is no picture:

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

There is sound but no picture:

- Check that the picture settings are correctly set.

There is poor TV reception from an antenna connection:

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

There is poor picture quality from connected devices:

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

The TV did not save your picture settings:

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

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

- Try using a different picture format.

The picture position is incorrect:

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

Sound issues

There is a picture but sound quality is poor:

 **Note**

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

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

There is a picture but the sound quality is poor:

- Check that the sound settings are correctly set.

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

- Verify that sound balance is set to the center.

HDMI connection issues

There are problems with HDMI devices:

- Note that HDCP (High-bandwidth Digital Content Protection) support can delay the time taken for a TV to display content from a HDMI device.
- If the TV does not recognize the HDMI device and no picture is displayed, try switching the source from one device to another and back again.
- If there are intermittent sound disruptions, check that output settings from the HDMI device are correct.
- If you use an HDMI-to-DVI adapter or HDMI-to-DVI cable, check that an additional audio cable is connected to **AUDIO** (mini-jack only).

Computer connection issues

The computer display on the TV is not stable:

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

Contact us

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

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

**Warning**

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

**Note**

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

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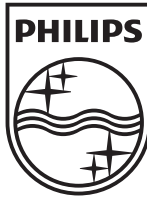
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