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EN User Manual



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# 1. Notice

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Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips Electronics N.V or their respective owners. Philips reserves the right to change products at any time without being obliged to adjust earlier supplies accordingly. The material in this manual is believed adequate for the intended use of the system. If the product, or its individual modules or procedures, are used for purposes other than those specified herein, confirmation of their validity and suitability must be obtained. Philips warrants that the material itself does not infringe any United States patents. No further warranty is expressed or implied.

## Warranty

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



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

## Pixel characteristics

This LCD product has a high number of colour pixels. Although it has effective pixels of 99.999% or more, black dots or bright points of light (red, green or blue)

may appear constantly on the screen. This is a structural property of the display (within common industry standards) and is not a malfunction.

## Open source software

This television contains open source software. Philips hereby offers to deliver or make available, upon request, for a charge no more than the cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code on a medium customarily used for software interchange. This offer is valid for a period of 3 years after the date of purchase of this product. To obtain the source code, write to:

**GBU Customer Care Manager**  
**Customer Care department**  
**Philips Lighting**  
**GBU Hospitality**  
**Hurksestraat 2c**  
**5652 AJ Eindhoven**  
**The Netherlands**

## Compliance with EMF

Koninklijke Philips Electronics N.V. manufactures and sells many products targeted at consumers which, like any electronic apparatus, in general have the ability to emit and receive electromagnetic signals.

One of Philips' leading Business Principles is to take all necessary health and safety measures for our products, to comply with all applicable legal requirements and to stay well within the EMF standards applicable at the time of producing the products.

Philips is committed to develop, produce and market products that cause no adverse health effects. Philips confirms that if its products are handled properly for their intended use, they are safe to use according to scientific evidence available today.

Philips plays an active role in the development of international EMF and safety standards, enabling Philips to anticipate further developments in

standardisation for early integration in its products.

### **Mains fuse (UK only)**

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

1. Remove fuse cover and fuse.
2. The replacement fuse must comply with BS 1362 and have the ASTA approval mark. If the fuse is lost, contact your dealer in order to verify the correct type.
3. Refit the fuse cover.  
In order to maintain conformity to the EMC directive, the mains plug on this product must not be detached from the mains cord cable.

### **Copyright**



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All other registered and unregistered trademarks are the property of their respective owners

## 2. Important

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

### Safety

#### • Risk of electric shock or fire!

- Never expose the TV to rain or water. Never place liquid containers, such as vases, near the TV. If liquids are spilled 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 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 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 aerial before lightning storms.** During lightning storms, never touch any part of the TV, power cord or aerial 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 colour fading, wipe off water drops as soon as possible

### Disposal of your old product and batteries



Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.



When this crossed-out wheeled bin symbol is attached to a product it means that the product is covered by the European Directive 2002/96/EC. Please inform yourself about the local separate collection system for electrical and electronic products. Please act according to your local rules and do not dispose of your old products with your normal household waste. Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.

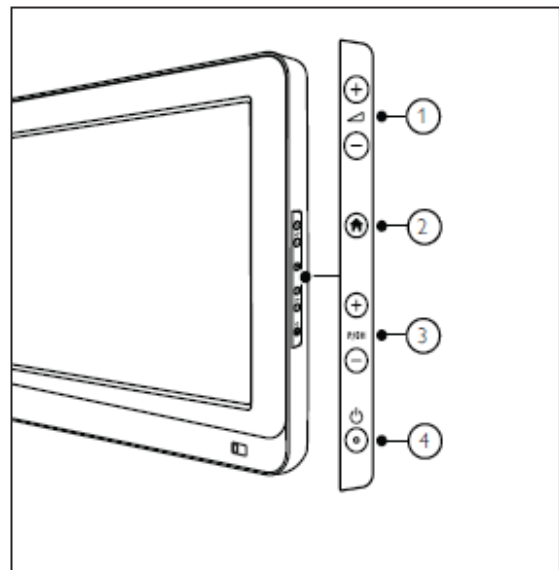



Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed with normal household waste. Please inform yourself about the local rules on separate collection of batteries because correct disposal helps to prevent negative consequences for the environmental and human health.


### 3. TV overview

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, and then follow the instructions in section 7 to set the Professional mode menu.

#### Side controls and indicators



①  : Increases or decreases volume. In the home menu, press these buttons to move horizontally.

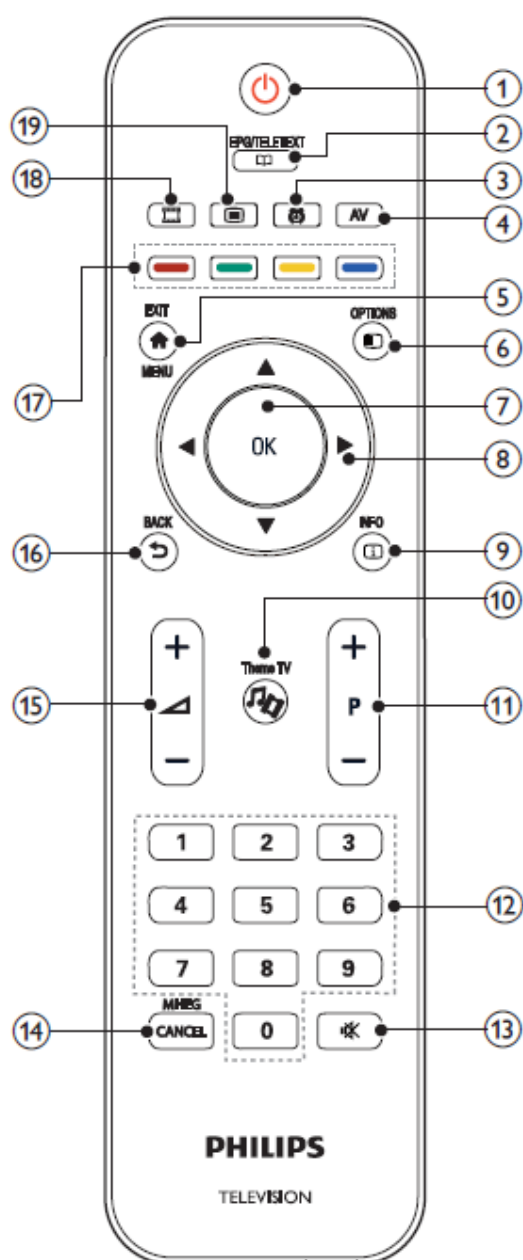
②  Home : Accesses the home menu. Press again to launch an activity in the home menu.

③ **P/CH** +/- : Switches to the next or previous channel. In the home menu, press these buttons to move vertically.

④  Power : Switches the TV on or off



## Guest remote control



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

Accesses the browse menu to select TV channel list, the Electronic Programme Guide and teletext.
- 3 ALARM
 

Lauches [Alarm time] menu. (Only applicable in [Hospitality] mode and in some models.)
- 4 AV
 

Selects connected devices.
- 5 EXIT/MENU
 

Accesses the home menu.
- 6 OPTION
 

Options menus offer convenient settings related to what is on screen.
- 7 OK
 

Confirms an entry or selection.
- 8 ▲▼◀▶ (Navigation buttons)
 

Navigates menus and selects items.
- 9 INFO
 

Displays program information, when available. If the information spans multiple pages, press OPTIONS to go to the next page
- 10 Theme TV
- 11 P+/- (Programme +/-)
 

Switches to the next or previous channel. When the TV menu is on, this functions as Page Up / Down.
- 12 0-9 (Numeric buttons)
 

Selects a channel or setting.
- 13 (MUTE)
 

Mutes or restores audio output.
- 14 MHEG / CANCEL
 

UK only: Enables audio commentary for the visually handicapped

- 15 (Volume +/-)  
Increases or decreases volume.
- 16 BACK
- Returns to a previous screen.
  - Returns to the previously viewed channel.
- 17 Colour buttons
- Selects tasks or options.
  - When Professional mode is On, press to operate Multi remote control function.

**Red button(DEMO)**

To select the red option, access digital Interactive TV services or watch TV demonstration clips.

**Green button**

To select the green option or the Eco settings.

**Yellow button**

To select the yellow option or the Help menu.

**Blue button (Audio Descriptor)**

(For RF Digital TV only)  
UK only: Enables audio commentary for the visually handicapped.

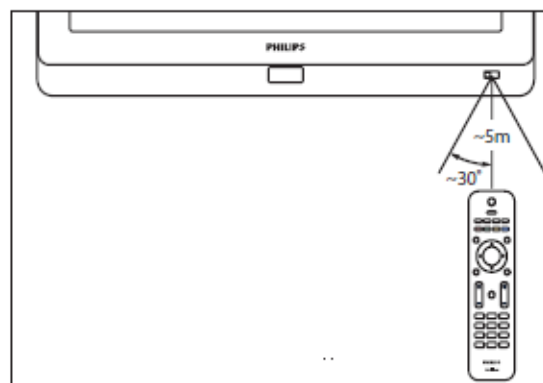
**(MyChoice)**

Opens MyChoice menu for entering authorized PIN code.

Channel grid is not available in certain functions

## 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.






## Basic TV Guest Menus

**To view the TV Guest Menus, the TV PBS Mode must be set to 'On'. See page ...**

### Home

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

1. Press 
2. Select an item in the home menu, then press **OK** to access the menu.
3. To exit the home menu, press  or 

To start an activity, select the desired item with the Navigation buttons, then press **OK**:

- **[Watch TV]** : Switches back to the antenna source if another source is selected.
- **[Browse USB]** : If a USB storage device is connected, accesses the content browser.
- **[Hotel Information]** : Switches to the Information wallpaper.
- **[Guest Menu]** : Accesses menus that allow you to change picture, sound and Sleep timer and Alarm settings.

---

## EPG/Teletext

The EPG/Teletext menu gives you easy access to:

- Electronic program guide
- TV channel list
- Teletext



To access this menu, while watching TV, press a. the EPG/Teletext button on the remote control.

1. Press the Navigation buttons to select an item:
  - [Program guide] : Accesses the Electronic Program Guide.
  - [Channel list] : Accesses the TV channel list.
  - [Text] : Accesses Teletext.
2. Press OK to confirm your choice.

---

## Channel List



The channel list displays the TV channels and possible radio stations installed on your TV.

1. While watching TV, press the  button
2. Select **[Channel list]**, then press **OK**.
3. Select a channel, then press **OK** to access the channel.
4. Press  to exit the channel list without changing the channel.

---

## Options

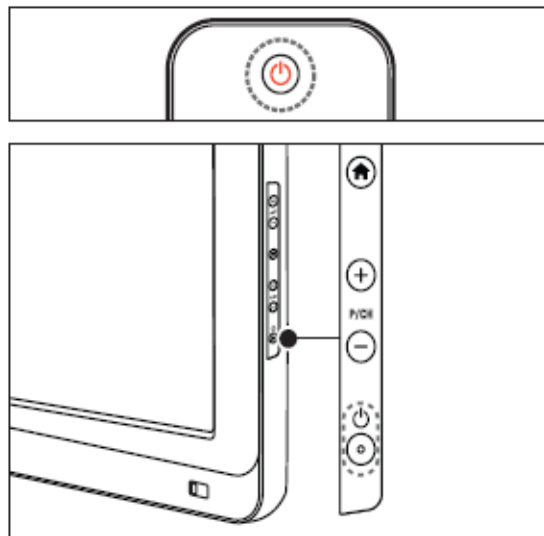
Option menus offer convenient settings related to what is on-screen.

1. Press  to see what options are available.
2. To exit, press  again.



---

## Watch TV

Switch 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.


Note

- The front LED indicator does not turn on when the TV is switched on.
- The TV requires some time to start up. During this time, the TV will not respond to the remote control or side controls. This is normal behavior.

## To switch to standby

- Press  (Standby-On) on the remote control.
  - »»The front LED indicator switches to red.

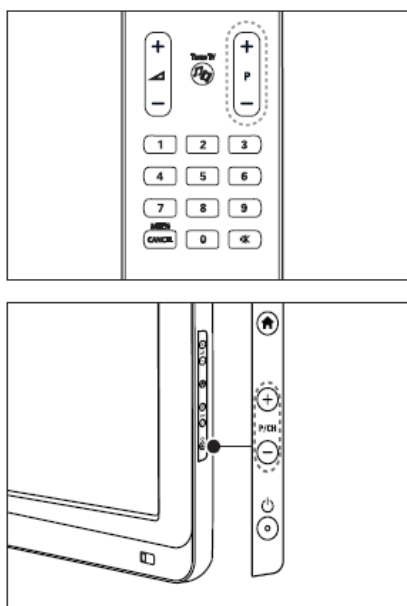
To switch off

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



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

---

## Switch Channels




Press **P +/-** on the remote control or **P /CH +/-** on the side of the TV.

- Press , then select **[Channel list]** to use the channel list.
- Press  to return to the previously-viewed channel.
- Enter a channel number using the **Numeric buttons**.

---

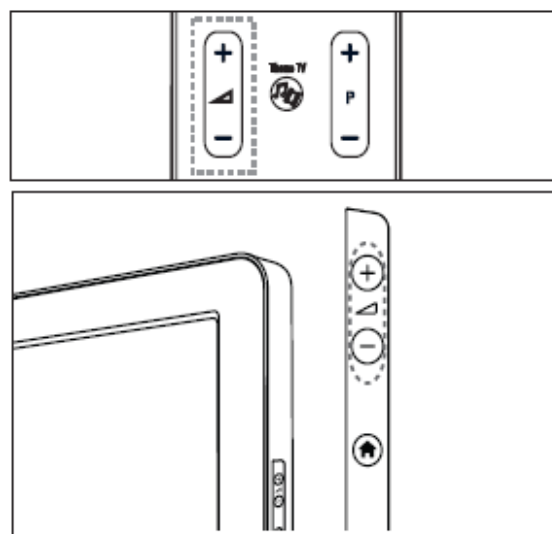
### To view analogue or digital channels only

Filter the channel list to access analogue or digital channels only.



1. In the channel list, press 
2. Select **[Select list]** > **[Analogue]** or **[Digital]**, then press **OK**. Depending on your selection, only digital or analogue channels become available.

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
## Adjust TV volume



### To increase or decrease volume

- Press  on the remote control.
- Press  on the side of the TV.

### To mute or unmute sound

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

Use the **[Sound]** menu to adjust headphone volume. For more information, see **Setup the TV > Change picture and sound settings > More sound settings** (Page 30).

---

## Use Smart picture and sound settings

1. Press 
2. Select **[Guest Menu]**

### Use Smart sound settings

1. Select **[Smart picture]**, then press **OK**.
2. Select one of the following settings:
  - **[Vivid]** : Rich and dynamic settings, ideal for daylight use.
  - **[Natural]** : A natural picture setting.
  - **[Cinema]** : Ideal settings for watching movies.
  - **[Game]** : Ideal settings for gaming.

- **[Energy saving]** : The most energy-conscious settings.
  - **[Standard]** : Adjusts picture settings to suit most environments and types of video. Factory default settings.
  - **[Photo]** : Ideal settings for viewing photos.
  - **[Custom]** : Allows you to use the customize stored picture settings.
3. Press OK to confirm your choice.
  4. Press to exit.

### Use Smart sound settings

1. Select **[Smart sound]**, then press **OK**.
2. Select one of the following settings:
  - **[Personal]** : Sets the TV to your personal preferences.
  - **[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.
  - **[Game]** : Ideal settings for gaming.
  - **[Drama]** : Applies sound settings ideally suited for drama.
  - **[Sports]** : Applies sound settings ideally suited for sports.
4. Press OK to confirm your choice.
5. Press to exit.

### Change picture format

1. Select **[Smart sound]**, then press **OK**.
2. Select one of the following settings:
  - **[Auto fill]** : Automatically enlarges the picture to fill the screen. Minimal picture distortion, subtitles remain visible. Not for PC input.
  - **[Auto zoom]** : Automatically zooms the picture in to fill the screen as much as possible, without distortion. Black bars may be visible. Not for PC input.
  - **[Super zoom]** : Removes the black bars on the sides of 4:3 broadcasts. Not for HD or PC.

- **[Movie expand 16:9]** : Scales the classic 4:3 format to 16:9. Not recommended for HD or PC.
- **[Wide screen]** : Stretches the classic 4:3 format to 16:9.

---

## Watch a connected device

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### Add new device [not a Guest feature]

Before watching a connected device, you must add it to the home menu.  
HDMI ARC compliant devices connected to the HDMI RC connector on the TV are automatically added to the home menu.

See page .... To add devices.

---

## Watch connected device

1. Press 
2. Select the device from the home menu.
3. Press **OK** to confirm your choice.



## 4. Use more of your product

---

### Use Teletext



---

#### Select a page

1. Press .
2. Select **[Text]**, then press OK.
3. Select a page by:
  - Entering the page number with the **Numeric buttons**.
  - Pressing **▲** or **▼** to view the next or previous page.
  - Pressing the **Colour buttons** to select a colour coded item.
4. Press  to exit teletext.

#### Access Teletext options

---

1. When in Teletext, press .
2. Select an option:
  - **[Freeze page] / [Unfreeze page]** : Freezes or unfreezes the current page.
  - **[Dual screen] / [Full screen]** : Enables or disables dual screen Teletext, which splits the current channel or source to the left of the screen, with Teletext on the right.
  - **[T.O.P. overview]** : Table Of Pages (T.O.P.) Teletext broadcasts allow you to jump from one subject to another without using page numbers.
  - **[Enlarge] / [Normal view]** : For more comfortable reading, you can enlarge the Teletext page. Press the **Navigation buttons** to move around
  - **[Reveal]** : Hides or reveals hidden information on a page, such as solutions to riddles or puzzles.
  - **[Cycle subpages]** : Cycles through subpages automatically if subpages are available.
  - **[Language]** : Switches to a different language group to display a language correctly when that language uses a different character set.
3. Press  to exit the options menu.

---

#### Select subpages

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

When available on a teletext page, press **◀** or **▶** to select subpages.

---

#### Search teletext

1. When in teletext, press **OK** to highlight the first word or number.
2. Press the **Navigation buttons** to skip to the word or number to search.
3. Press **OK** to begin the search.
4. Press **▲** until no word or number is highlighted to exit the search.

---

#### Use digital teletext

Some digital TV broadcasters offer dedicated digital text or interactive services on their digital TV channels, for example, BBC1.

When in digital teletext:

- Press the **Navigation buttons** to select or highlight items.
- Use the **Colour buttons** to select an option, then press OK to confirm or activate.

Digital text services are blocked when subtitles are broadcast and [Subtitles] are enabled. Read Use more of your TV > Use subtitles (Page 25).

---

#### Use Teletext 2.5

Teletext 2.5 offers more colours and better graphics than normal teletext. If Teletext 2.5 is broadcast by a channel, it is switched on by default.

---

## Use EPG

---

### Overview

The Electronic Programme Guide (EPG) is an on-screen guide available for digital channels. EPG allows you to:

- View a list of digital programmes being broadcast
- View upcoming programmes
- Group programmes by genre
- Set reminders when programmes start
- Set up preferred EPG channels

\* EPG is not available in all countries.

---

### Switch on EPG

1. Press 
2. Select **[Programme guide]**, then press **OK**


---

## Use timers

---

### Sleep timer

Sleeptimer switches the TV to standby after a pre-defined period of time. You can always switch off your TV earlier or reset the sleeptimer during the countdown.








1. Press 
2. Select **[Sleep timer]**
3. Press **OK** to activate the Sleep timer. The TV switches to standby after the pre-defined period of time.

See page .... To set the timer.

---

## Alarm Clock

You can set an Alarm on a selected clock time (related to the displayed clock time)

1. Press , **[Guest Menu]**, **[Alarm settings]**, or alternatively press the  button
  2. Pressing  or  to change the Alarm hour.
  3. Press **OK** or  to enter the minute field.
  4. Pressing  or  to change the Alarm minutes.
- **[Done]** :To confirm the Alarm time.
  - **[Off]** :To disable the Alarm time or stop the Alarm buzzer.

---


## 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.

• Please refer to page 31 "Clock setup" for more details of Pro+ clock settings.

---

### Display the TV clock



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

• To disable the clock, repeat the above procedure.

---

## Use subtitles


On analogue channels

1. Switch the TV to an analogue TV channel.
2. Press , then select **[Text]** and press **OK**.
3. Enter the three number page number of the subtitles page (usually '888').
4. Press  to exit Teletext. Subtitles display if available.

---

## Subtitle language

This feature is only supported on selected digital channels.

1. While watching TV, press . 
2. Select **[Subtitles]**.
3. Select a subtitle language from the list, then press **OK**.

---

## Access multimedia

---

### Browse USB

You can view photos or play music and videos on TV from a USB storage device.

• 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.


You can access the USB content browser using one of the following methods:  
When watching TV, connect the USB device to the USB port on the side of your TV.


1. Press . 
2. Select **[Browse USB]**, then press **OK**.

---

### View slideshow

Press the **Navigation buttons** to select a picture, and then press **OK**.

- To pause or stop playback, press **OK** again.
- To jump to the previous or next file, press **◀** or **▶**.
- Press  to exit content browser


Press  to access or exit the following settings:


- **[Show info]** : Displays the file information.
- **[Stop]** : Stops slideshow.
- **[Rotate]** : Rotates the file.
- **[Repeat]** : Repeats the slideshow.
- **[Play once]** : Plays the file once.
- **[Shuffle off] / [Shuffle on]** : Enables or disables random display of pictures in the slideshow.
- **[Slideshow speed]** : Sets the display time for each picture in the slideshow.
- **[Slideshow transition]** : Sets the transition from one picture to the next.

---

## Listen to music

Press the **Navigation buttons** to select a music track, then press **OK**.

- Press **◀ / ▶** to fast rewind or fast forward a track.
- Press  to exit content browser.


Press  to access or exit the following settings :


- **[Stop]** : Stops audio playback.
- **[Repeat]** : Repeats a song or an album.
- **[Play once]** : Plays the file once.
- **[Shuffle on] / [Shuffle off]** : Enables or disables random play of songs.

---

## Watch video

Press the **Navigation buttons** to select a video file, then press **OK**.

- Press **◀** or **▶** to rewind or fast forward a file.
- Press  to exit the content browser.



During video playback, press  to access the following settings:

- **[Stop]** : Stops playback.
- **[Repeat]** : Repeats a video.
- **[Shuffle on] / [Shuffle off]** : Enables or disables random play of videos.



---

## Listen to digital radio

If digital broadcasting is available, digital radio channels are installed automatically during installation.

1. While watching TV, press 
2. Select **[Channel list:]**, then press **OK**.
3. In the channel list, press . 
4. Select **[Select list] > [Radio]**, then press **OK**.
5. Select a radio channel, then press **OK**.

You can listen to satellite radio broadcast (if available).

1. While watching TV, press 
2. Select **[Channel list]**, then press **OK**.
3. In the channel list, press . 



4. Select **[TV/Radio] > [Radio]**, then press **OK**.


---

## Use Hotel Information

---

### Activate Hotel Information

You can use Hotel Information to display a picture as Information sheet on your TV. Make sure that the location of your TV is set to **[Home]** mode.



1. Press .
2. Select **[Hotel Information]**, then press **OK**.  
The default or pre-loaded picture is displayed

---

### Visually impaired

Some digital TV channels broadcast special audio adapted for people who are visually impaired. The normal audio is mixed with extra commentary.


To switch on visually impaired audio (if available)

1. While watching TV, press .
2. Select **[Universal access]**, and press the green button to enter **[Visually impaired]**.
3. Use the following buttons to select:
  - **Red - [Off]** : Turn off visually impaired audio.
  - **Green - [Speakers]** : Hear visually impaired audio from speakers only.
  - **Yellow - [Headphones]** : Hear visually impaired audio from headphones only.
  - **Blue - [Speakers + headphones]** : Hear visually impaired audio from speakers and headphones only.
4. Press  to exit.

•To verify whether visually impaired audio is available, press and select **[Audio language]**. Languages with an eye icon indicate visually impaired support.

---


### Adjust volume for the visually impaired

1. In the **[Universal access]** menu, press the yellow button to select **[Mixed volume]**.
2. Press the **Navigation buttons** to move the slider up or down, then press **OK**.
3. Press to  exit.

---

### Audio feedback for the visually impaired

This feature enables audio feedback when buttons are pressed on the remote control or TV.

1. In the **[Universal access]** menu, press the blue button to select **[Key beep]**.
2. Press the green button to turn on audio feedback or press the red button to turn it off.
3. Press  to exit.

## 5. Set up the TV

### Introduction

This TV is a special TV, that allows the TV to be configured for a hotel application

This section describes how to install and operate this TV. Before reading this section, please also read section 4 to understand the basic functionality of this TV.

### Benefits of specific Hotel TVs

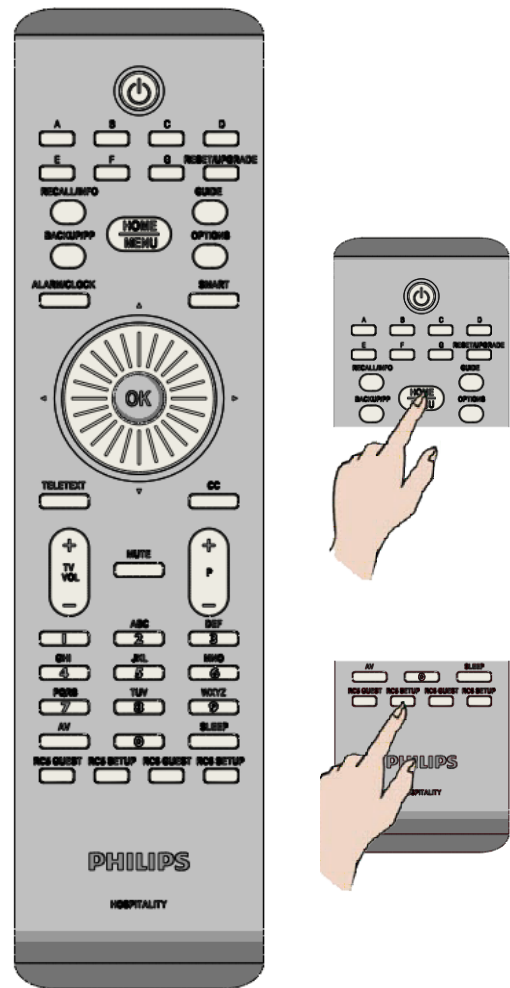
This TV is specially designed to operate in Professional Mode. Professional Mode offers the following benefits:

Access to the **[TV Setup 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.

#### As example:

- A switch-on volume and channel can be set. 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 **VOLUME +/-**, **P/CH+/-** and **Home** can be locked.
- Screen information can be suppressed.

## Professional Setup Remote control (22AV8573 optional)



#### To enter the Professional Setup menu:

- press RC5 Setup
- press Home/Menu

#### On a Guest remote:

Press **[3, 1, 9, 7, 5, 3, ~~X~~]**

Setup mode should be used by Installer to make the required settings.

## Professional mode options

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

Enter the next layer by pressing **[OK]**, or **[>]**. Return to a previous level by pressing **[<]**.

Navigate in the current layer by pressing **[^]**, or **[v]**.

Layer 1	Layer 2	Layer 3	Layer 4	
<b>PBS Setup</b>	PBS Setup menu language	<b>English</b> , Français, Deutsch, Italiano		
	PBS Mode	<b>Off</b> / On		
	Room ID	<b># # # #</b>		
	Switch on settings	Switch on volume		[0..60] Slider <b>[15]</b>
		Maximum volume		[0..60] Slider <b>[60]</b>
		Switch on channel		[List: AV & RF channels]
	Welcome message	Display message		<b>Off</b> / On
		Welcome Message Line 1		Edit text
		Welcome Message Line 2		Edit text
		Clear		Erase messages 1&2
		Message timeout		<b>20s</b> , 25s, 30s
	Control Settings	Local keyboard lock		<b>Off</b> / On / All
		Remote control lock		<b>Off</b> / On
		OSD display		Off / <b>On</b>
		High security mode		<b>Off</b> / On
		Welcome Logo		<b>Off</b> / On
		Browse USB		Off / <b>On</b>
		Auto scart		<b>AV</b> , Power On Scart, Off
		Easylink Break-in		Off / <b>On</b>
		Easylink control		Off / <b>On</b>
		Easylink Application menu		<b>Off</b> / On
		Auto USB		Off / <b>On</b>
		SXP Baudrate		<b>38400</b> / 19200
		Enable CI Slot		<b>Off</b> / On
		Enable Teletext		Off / <b>On</b>
		Enable MHEG		Off / <b>On</b>
		Enable EPG		Off / <b>On</b>
		Subtitles at startup		Off / <b>On</b> / On during mute
		Enable subtitles		Off / <b>On</b>
	Enable Channel Map		Native / <b>BDS</b>	
	Power settings	Power on		On / <b>Standby</b>
		Low power standby		Fast / <b>Green</b>
		Smart power		On / <b>Off</b>
		Auto switch off		On / <b>Off</b>
		Delayed reboot		On / <b>Off</b>
	Clock settings	Display Standby		Off / 1, 2, 3, 4, 5
		Display On		Off / 1, 2, 3, 4, 5
		Time Setting		<Entry> on manual
		Time Download		<b>Automatic</b> , manual
		Download Country		[List: Countries]
		Download Program		[List: RF channels]
		Time Offset		<-12 – <b>0</b> – 12)
		Buzzer Volume		Off / <b>Low</b> / High
	Daylight saving		<b>Off</b> / On	
	Feature settings	Multi RC		<b>Off</b> / Blue, Green, Yellow, Red
		MyChoice		On / <b>Off</b>
		Theme TV		On / <b>Off</b> / Startup
		VSecure Mode		<b>Stand Alone</b> / Connected / RF static
		Load key to USB		<Action>
		Load key to TV		<Action>
		Vsecure self test		<Action>
		Program Info		Frequency, Medium, Service ID, ONID, NID, TSID, Symbol Rate, Modulation

		Erase key option	Shared key, Odd key, Even key, All
		Erase key	<Action>
	Speaker settings	TV Speaker Enable	Off / On / <b>EasyLink</b> / EasyLink autostart
		Independent Main Speaker Mute	<b>Off</b> / On
		Default Main Speaker Volume	[0..60] Slider <b>[15]</b>
	Factory default	<Action>	
<b>TV setup</b>	Enter Consumer Mode	<Action>	OK / Cancel
<b>Channel setup</b>	Enter TV Channel Setup	<Action>	
<b>Store Settings</b>	Save all made changes	<Action>	
<b>Smart Clone</b>	USB to TV	<Action>	
	TV to USB	<Action>	
<b>RF Download</b>	SW types	SSB Firmware / SSB NVM / Standby Firmware / ThemeTV / Express Box, Welcome Logo / Hotel Information / <b>All</b>	
	Program Info	Frequency, Medium, Service ID, ONID, NID, TSID, Symbol Rate, Modulation	
	Start Download	<Action>	
<b>Express Box</b>	Software Upgrade	<Action>	
	Clone Channels To Special Map	<Action>	
	SP Communication	Setup communication protocol	<b>No</b> / SPI / I2C

# Setup settings

---

## PBS Setup

---

### [PBS Setup menu language]

Select Setup menu language to be English, French, German or Italian.

### [PBS Mode]

Enables / disables the Professional Hotel mode.

[On]: All settings in the Professional mode Setup menu are in effect.

[Off]: The TV operates as a normal (consumer) TV.

### [Room ID]

Entry field to store 4 digits to identify Room Identifier.

### [Switch on settings]

#### [Switch on volume]

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

#### [Maximum volume]

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

#### [Switch on channel]

When the guest switches the TV on, it will play at the specified 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 2 lines of text, with each line containing a maximum of 20 alphanumeric characters. Use Navigation buttons on the remote control to compose the Welcome message.

*Welcome message is always disabled if PBS Mode is Off*

#### [Display message]:

Select to show the welcome message at power up cycle:

[On] to activate, [Off] to disable

#### [Welcome message line 1]:

[Line 1]: Sets the characters of the first line message.

#### [Welcome message line 2]:

[Line 2]: Sets the characters of the second line message.

#### [Clear]:

Erases the text stored in line 1 and line 2.

#### [Message line 1]:

Select the time that at startup the welcome message is displayed.

---

## [Control Settings]

### [Local Keyboard lock]

[Off]: The TV local buttons will function normally.

[On]: The TV local buttons are locked, except the **[POWER]** button.

[All]: All the TV local buttons are locked.

### [Remote Control lock]

[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 PBS Setup menu using the setup RC or by pressing [3, 1, 9, 7, 5, 3, \* (MUTE)]).*

### [OSD display]

Set 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 )

[On]: Professional mode setup menu can only be accessed by the Professional setup remote control

### [Welcome Logo]

Enables / disables to show the stored welcome Logo at start-up when TV starts up in Green Mode (see Power Settings):

[On]: When set to On, the TV will show the Welcome Logo at start-up.

[Off]: When set to Off, the TV will hide the Welcome Logo at start-up.

#### **[Browse USB]**

Enables / disables the USB Browse icon to be presented in the Guest Menu.

[On]: When set to On, the TV will show the USB icon in the Home menu.

[Off]: When set to Off, the TV will hide the USB icon in the Home menu.

#### **[Auto scart]**

Enables auto scart switching (or break-in) in Professional mode.

[AV]: Enables auto scart switching or break-in.

[Power On Scart] Enables auto TV start On/Off when detecting scart break-in.  
(never use this feature without a connected STB)

[Off]: Disables auto scart switching or break-in.

#### **[Easylink break-in]**

Enables or disables HDMI-CEC standby feature in Professional mode:

[Off]: Not able to switch on the TV by external HDMI-CEC devices.

[On]: Able to switch on the TV by external HDMI-CEC devices.

#### **[Easylink control]**

Enables or disables HDMI-CEC one touch play feature in Professional mode:

[Off]: Disables TV functionality to control external HDMI-CEC devices.

[On]: Enables TV functionality to control external HDMI-CEC devices.

#### **[Easylink Application Menu]**

Allows menu to control external HDMI-CEC.

[Off]: Disables TV functionality to control external HDMI-CEC devices.

[On]: Enables TV functionality to control external HDMI-CEC devices.

#### **[Auto USB]**

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

[Off]: When USB device is plugged in, the [Multimedia] menu will not appear automatically, but users can access [Multimedia] menu from the Guest menu.

[On]: When USB device is plugged in, the [Multimedia] menu appears automatically.

#### **[SXP Baudrate]**

Sets the Baudrate for the SerialExpress communication channel to be 38200 or 19200 Baud (bits per second).

#### **[Enable CI-slot]**

Enables or disables the use of the integrated CI/CI<sup>+</sup> slot:

[Off]: No pass through of TV input signal via the CI-Slot Card is possible; use of CI-Card slot is not possible.

[On]: Pass through of TV input signal via the CI-Slot Card is possible; use of CI-Card slot is possible. Check with your local operator if CI-Card is compatible with this TV.

#### **[Enable Teletext]**

Enables or disables the use of Teletext OSD on pressing Teletext button:

[Off]: No Teletext services available (*Prison Mode*)

[On]: Teletext services available

#### **[Enable MHEG]**

Enables or disables the use of MHEG OSD on pressing MHEG button:

[Off]: No MHEG services available (*Prison Mode*)

[On]: MHEG services available

#### **[Enable EPG]**

Enables or disables the use of EPG OSD on pressing EPG button:

[Off]: No EPG services available (*Prison Mode*)

[Now & Next]: EPG (*Now/Next*) services available

[8 Day EPG]: EPG (*8 Day*) services available

#### **[Subtitles at Startup]**

Enables or disables the use of subtitles at start-up:

[Off]: No subtitles services available (*Prison Mode*)

[On]: Subtitles services available

[On during mute]: Subtitles services when TV audio is muted

### [Enable Subtitles]

Enables or disables the use of subtitles in a DVB broadcast channel:

[Off]: No subtitles services available (*Prison Mode*)

[On]: Subtitles services available

### [Enable Channel Map]

Select Channel Map to be viewed:

[Native]: Show standard default channel map

[BDS]: To be used only if a STB is connected

---

## [Power settings]

### [Power on]

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

[On]: The TV will always turn on (show startup channel) after the mains power is activated.

[Standby]: When set, the TV will always turn to standby (status as defined in Low power standby option) after the mains power is activated.

### [Low power standby]

The Low power standby option defines the TV to enter a specific standby mode after pressing the On/Off button on the remote control. To wake-up the TV both On/Off button on the RC or TV can be pressed:

[Fast]: The TV will quickly turn on (show startup channel). (*This mode is having more power consumption than the Green mode*).

[Green]: The TV will slower turn on (show startup channel) then the Fast. (*This mode is having less power consumption than the Fast mode*).

### [Smart power]

The power consumption for the Smart power mode is defined by the Smart Picture setting in the TV Setup part.

[Off]: The TV will start with Standard Smart Picture setting, but the setting can be changed in the guest setup mode.

[On]: The TV will start with default Smart Picture setting and Smart Picture setup and is not selectable in the guest setup

mode. (*with this the power consumption mode is predictable*).

### [Auto switch off]

Enables or disables the use of automatic switch off the TV if no RC action is noticed after 240 minutes:

[Off]: TV will not switch off after 240 minutes

[On]: TV will switch of after 240 minutes

### [Delayed reboot]

Enables or disables the use of delayed standby:

[Off]: No delay added when guest presses 'Off' button.

[On]: Delay added when guest presses 'Off' button before going into standby; in case of a wrong guest interaction, activating the TV after this will be done directly without any startup delay.

---

## [Clock settings]

### [Display Standby]

Defines the brightness level for the Clock LCD backlight if the TV is in Standby mode:

[Set]: Off, 1, 2, 3, 4, 5

### [Display On]

Defines the brightness level for the Clock LCD backlight if the TV is in On mode:

[Set]: Off, 1, 2, 3, 4, 5

### [Time Setting]

This is only available if the Time Download is set to Manual and can be used to set the clock with the remote control:

[Set]: Time entry field [xx:xx Hr]

*Time to be set by using arrow keys and numeric buttons*

### [Time Download]

Select source for clock time:

[Automatic]:

Clock time is retrieved from the Download Program channel.

[Manual]:

The clock time is set using the Time Setting option.

### [Download Country]

Set selected country as source for clock time.

### [Download Program]

Set selected Download Program as source for clock time.

### [Time Offset]

Offset time added to the downloaded clock time:  
[Slider]: -12 to 12 hr

### [Buzzer Volume]

Audio Clock Time Alarm (buzzer):  
[Set]: Off, On

### [Daylight saving]

Set the Daylight saving options:  
[Set]: Off, On

---

## [Feature settings]

### [Multi RC]

This function allows that up to four televisions can be installed in a room whereas every TV will listen to its own RC. Once the TV is set, also every RC can be set to remember its connected TV:

[Off] This function is not used; all TVs will listen to a 'blue' RC.

[Blue] The TV will listen to a 'blue' RC.  
*Press and hold both the menu and blue button on the RC for more than two seconds.*

[Green] The TV will listen to a 'green' RC.  
*Press and hold both the menu and green button on the RC for more than two seconds.*

[Yellow] The TV will listen to a 'yellow' RC.  
*Press and hold both the menu and yellow button on the RC for more than two seconds.*

[Red] The TV will listen to a 'red' RC.  
*Press and hold both the menu and red button on the RC for more than two seconds.*

### [MyChoice]

With MyChoice it is possible to activate two channel rings: R0 when MyChoice PIN is valid, and R1 if not.

[Off]: Single channel map as configured during channel installation.

[On] Channel ring R0 to be available to guest in case of valid PIN entered; R1 if not.

### [ThemeTV]

With ThemeTV it is possible to activate a customizable UI to select upto 15 different themes that contains Channle references. ThemeTV can be presented on the display by means of pressing the ThemeTV button on the RC, or automatically after starting up the TV:

[On]: Show ThemeTV on the display after pressing the ThemeTV button on the RC.

[Off] ThemeTV disabled.

[Startup] Show ThemeTV on startup and able to showd ThemeTV by pressing the TTV button on the RC.

### [VSecure]

VSecure is the hospitality content scrambling method used by the Philips Hospitality TVs. With its internal VSecure Authorization key a VSecure Unprotect key can be generated. If this VSecure Unprotect key is stored in the TV, the TV is able to descramble protected content. Loading the VSecure Unprotect key can be done by USB memory device or via DVB RF:

### [Mode]

[Stand alone]:

The VSecure Unprotect key is to be stored once via USB and will remain available until manual erasing it.

[Connected]:

The VSecure Unprotect key is to be send via serialXpress RF and will remain valid until power down or receiving a successive VSecure Unprotect key.

[RF Static]:

The VSecure Unprotect key is to be stored via RF and will remain valid until manual erasing it or receiving a successive VSecure Unprotect key.

### [Load key to USB]

[Action] Place a USB memory device in the USB side I/O.

Press '>' or 'OK' to copy the VSecure Authorization key to the USB memory device

### [Load key to TV]

[Action] Place a USB memory device with a valid VSecure Unprotect key in the USB side I/O.

Press '>' or 'OK' to copy the VSecure Unprotect key to the USB memory device



**[Vsecure self test]**

[Action] Internal self test to validate VSecure.  
After this load proper hotel specific keys.

**[Program Info]**

This function is to set the necessary DVB parameters to locate the proper VSecure RF channel to load the VSecure RF Static or RF Dynamic key(s):

[Frequency]	Frequency of MUX	<b>(0362)</b>
[Medium]	Cable or Antenna (DVB T)	
[Service ID]	#####	<b>(00001)</b>
[ONID]	#####	<b>(00000)</b>
[NID]	#####	<b>(00000)</b>
[TSID]	#####	<b>(00000)</b>
[Symbol Rate]	#.###	<b>(6.900)</b>
[Modulation]	<b>QAM16</b> , QAM32, QAM64, QAM128, QAM256	

*Above parameters must match head-end configuration*

**[Erase key option]**

This function is to set the stored VSecure Unprotect key(s) to erase:

[Shared key]	Erase the Shared key
[Odd key]	Erase the Odd key
[Even key]	Erase the Even key
[All keys]	Erase the Shared, Odd and Even keys

**[Erase key option]**

This function is erase the key that were selected by the Erase key option:

[Action] Press '>' or '**OK**' to erase the key(s).

[EasyLink autostart]: xxx

**[Independent Main Speaker Mute]**

[Off]: The RC volume and mute will control the main speakers and headphone / bathroom speaker simultaneously.  
[On]: If the main speakers are muted by the RC, the RC will control the volume of the headphone/bathroom speaker

**[Default Main Speaker Volume]**

This option defines the volume level that will be set to the main speakers when the TV is unmuted and the Independent Main Speaker Mute is set to 'On'.

---

**[Factory default]**

Restore the factory picture and sound setting. Channel installation is not changed.

---

**[Speaker settings]**

This function defines the simultaneously working of the integrated main speakers and the headphone/bathroom speaker:

**[TV Speaker Enable]**

[Off]: The main speakers are muted.  
The RC can control the volume and mute of the headphone/bathroom speaker  
[On]: The main speakers are active and the behavior of the headphone/bathroom speaker is defined by the Independent Main Speaker Mute.  
[EasyLink]: xxxx

---

## TV Setup

---

With this option, all basic TV functionality can be configured. If any setting is changed within the PBS Menu, they should be stored before pressing [OK], otherwise they will be discarded.



Select Setup to make changes to the TV settings

---

## Change picture and sound settings (with PBS setup RC)

---

### Picture settings

- 1 Press **[Home/Menu]** > **[TV Setup]**.
- 2 Select **[Setup]** > **[TV settings]** > **[Picture]**, then press **OK**.
3. Select a setting to adjust and press **<OK>**:

- **[Smart picture]**: Accesses pre-defined smart picture settings.
  - **[Personal]**: Sets the TV to your personal preferences.
  - **[Vivid]**: Rich and dynamic settings, ideal for daylight use.
  - **[Natural]**: A natural picture setting.
  - **[Cinema]**: Ideal settings for watching movies.
  - **[Game]**: Ideal settings for gaming.
  - **[Energy saving]**: The most energy-conscious settings.
  - **[Standard]**: Adjusts picture settings to suit most environments and types of video. Is Factory default setting.
  - **[Photo]**: Ideal settings for viewing photos.
  - **[Custom]**: Allows you to customise and store personal picture settings.  
Press **OK** to confirm your choice.
- **[Reset]**: Resets to factory default settings.  
Press **OK** to confirm your choice.

- **[Contrast]**: Adjusts the intensity of bright areas, keeping dark areas unchanged.  
Press **OK** to confirm your choice.
- **[Brightness]**: Adjusts the intensity and details of dark areas.  
Press **OK** to confirm your choice.
- **[Colour]**: Adjusts colour saturation.  
Press **OK** to confirm your choice.
- **[Hue]**: Compensates colour variations in NTSC encoded transmissions.  
Press **OK** to confirm your choice.
- **[Sharpness]**: Adjusts sharpness in the image.  
Press **OK** to confirm your choice.
- **[Noise reduction]**: Filters and reduces noise in an image.  
Press **OK** to confirm your choice.
- **[Tint]**: Adjusts the colour balance in an image.  
Press **OK** to confirm your choice.
- **[Custom tint]**: Customises tint setting.  
Press **OK** to confirm your choice.
- **[Pixel Plus HD]**: Accesses advanced settings, including [HD Natural Motion], [100 Hz Clear LCD], [Advanced sharpness], [Dynamic contrast], [Dynamic backlight], [MPEG artifact reduction], [Colour enhancement], [Gamma].  
Press **OK** to confirm your choice.
- **[PC mode]**: Enables picture settings adjustment when a PC is connected to the TV via HDMI. If enabled, you can select **[Picture format]** to be unscaled which provides maximum detail for display of PC content.  
Press **OK** to confirm your choice.
- **[Picture format]**: Changes the picture format.  
Press **OK** to confirm your choice.

- **[Screen edges]**: Changes the picture size.

Press **OK** to confirm your choice.

- **[Picture shift]**: Adjusts the position of the picture. Not applicable if selected picture format is **[Auto zoom]** or **[Wide screen]**.

Press **OK** to confirm your choice.

4 Press **[Back/PP]** to return to TV Setup Menu.

5 Press **[Back/PP]** to exit.

---

### Smart sound settings

1 Press **[Home/Menu]** ] > **[TV Setup]**.

2 Select **[Setup]** > **[TV settings]** > **[Sound]**, then press **OK**.

3. Select a setting to adjust and press **<OK>**:

- **[Smart sound]**: Accesses pre-defined smart picture settings:
  - **[Personal]**: Sets the TV to your personal preferences.
  - **[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.
  - **[Game]**: Ideal settings for gaming.
  - **[Drama]**: Applies sound settings ideally suited for drama.
  - **[Sports]**: Applies sound settings ideally suited for sports.

Press **OK** to confirm your choice.

- **[Reset]**: Resets to factory default settings.

Press **OK** to confirm your choice.

- **[Bass]**: Adjusts the bass level.

Press **OK** to confirm your choice.

- **[Treble]**: Adjusts the treble level.

Press **OK** to confirm your choice.

- **[Surround]**: Enables spatial sound.

Press **OK** to confirm your choice.

- **[Headphones volume]**: Adjusts headphone volume.

Press **OK** to confirm your choice.

- **[Auto volume leveling]**: Automatically reduces sudden volume changes, for example, when switching channels.

Press **OK** to confirm your choice.

- **[Balance]**: Adjusts the balance of the left and right speakers to best suit your listening position.

Press **OK** to confirm your choice.

4 Press **[Back/PP]** to return to TV Setup Menu.

5 Press **[Back/PP]** to exit.

---

### EasyLink

1 Press **[Home/Menu]** ] > **[TV Setup]**.

2 Select **[Setup]** > **[TV settings]** > **[EasyLink]**, then press **OK**.

3. Select a setting to adjust and press **<OK>**:

- **[EasyLink]**: Enables /Disables EasyLink:
  - **[Off]**: No EasyLink functionality
  - **[On]**: EasyLink functionality enabled
 Press **OK** to confirm your choice.

- **[EasyLink Remote Control]**: Enables /Disables EasyLink RC:
  - **[Off]**: No EasyLink functionality
  - **[On]**: EasyLink functionality enabled
 Press **OK** to confirm your choice.

- **[TV Speakers]**: Enables /Disables TV Speakers EasyLink control:
  - **[Off]**: No EasyLink functionality
  - **[On]**: EasyLink functionality enabled
  - **[EasyLink]**: No EasyLink functionality
  - **[EasyLink autostart]**: EasyLink functionality enabled
 Press **OK** to confirm your choice.

- **[HDMI 1 -ARC]**: Enables /Disables Audio Out on HDMI 1:

- **[Off]**: No EasyLink functionality
- **[On]**: EasyLink functionality enabled

Press **OK** to confirm your choice.

4 Press **[Back/PP]** to return to TV Setup Menu.

5 Press **[Back/PP]** to exit.

---

## Preferences

1 Press **[Home/Menu]** > **[TV Setup]**.

2 Select **[Setup]** > **[TV settings]** > **[Preferences]**, then press **OK**.

3. Select a setting to adjust and press **<OK>**:

- **[Menu language]**: Set the required menu language.

Press **OK** to confirm your choice.

- **[Sleep timer]**: Set the required sleep timer time-out **[0..180 min]**.

Press **OK** to confirm your choice.

- **[Location]**: Set the location where the TV is used.

Set **always** to **[Home]**

Press **OK** to confirm your choice.

- **[Volume bar]**: OSD.

**[Off]** No volume bar OSD

**[On]** Show volume bar OSD

Press **OK** to confirm your choice.

- **[Channel information size]**: OSD.

**[Classic]** Normal OSD

**[Big]** Larger sized OSD

Press **OK** to confirm your choice.

- **[Auto switch off]**: switch off after 240 min:

**[Off]** No automatic switch off

**[On]** Automatic switch off

Press **OK** to confirm your choice.

- **[Universal access]**:

**[Off]** No Universal Access

**[On]** Universal Access

Press **OK** to confirm your choice.

- **[Key beep]**:

**[Off]** No audio beep on pressing RC button

**[On]** Audio beep on pressing RC button

Press **OK** to confirm your choice.

- **[Audio Out Delay]**: Set delay on Audio Out.

**[Off]** No delay

**[On]** delay inserted

Press **OK** to confirm your choice.

- **[TV placement]**: Set position off TV, influence on audio quality.

**[Wall mounted]**

**[On a TV stand]**

Press **OK** to confirm your choice.

- **[Text 2.5]**: Set Teletext 2.5

**[Off]** Not set (older version used)

**[On]** 2.5 used

Press **OK** to confirm your choice.

- **[Clock]**: Set internal clock

**[Auto clock mode]** Not set

**[Daylight saving]** Not set

**[Date]** Not set

**[Time]** Not set

Press **OK** to confirm your choice.

4 Press **[Back/PP]** to return to TV Setup Menu.

5 Press **[Back/PP]** to exit.

---

## Reset to factory settings

Resetting your TV to factory settings restores default picture and sound settings.

Channel installation settings remain the same.

1 Press **[Home/Menu]** > **[TV Setup]**.

2 Select **[Setup]** > **[TV settings]** >

**[Factory settings]**, then press **OK**.

TV settings are reset back to the factory default.

---

## Reinstall TV

Starts a TV initialization to reset all settings to default and replace (reinstall) all channels.

- 1 Press **[Home/Menu]** > **[TV Setup]** > **[OK]**.
- 2 Select **[Setup]** > **[TV settings]** > **[Reinstall TV]**, then press **OK**.

TV will perform a power down cycle going into standby and then starts-up again. If the TV stays in Standby mode, wake TV up with switch on button on remote control.

1 Region OSD is displayed:

Region     Australia  
              Europe

Select **[Europe]** and press **<OK>**.

2 Select language OSD is displayed:

Select **[xxxx]** (i.e. language from list) and press **<OK>**.

3 Select install country OSD is displayed:

Select **[xxxx]** (i.e. country from list) and press **<OK>**.

4 Select TV placement OSD is displayed:

**[Wall mounted]:**    in case of wall  
                         mounting

**[On a TV stand]:**    in case of stand

and press **<OK>**.

5 Select TV location OSD is displayed:

**[Home]:**     Always select this

**[Shop]:**     Shop mode, not to be used

and press **<OK>**.

6 Universal access for the visual and hearing impaired OSD is displayed:

**[No]:**        No special settings

**[Yes]:**       Special settings configured

and press **<OK>**.

7 Press **[Settings]** to continue and install channels.

Perform the following steps:

**[Install TV channels]** and press **<OK>**  
**[Continue]**  
**[Settings]**

A screen is displayed to make changes to set the channel list/map configuration:

**[Symbol rate mode]:**    **Automatic**  
                                 TV will use the preset  
                                 Symbol rate (6.900/6.875)  
**Manual**  
                                 Option to set Symbol rate 1  
                                 and Symbol rate 2

**[Symbol rate 1]:**        0.000 (to set)

**[Symbol rate 2]:**        0.000 (to set)

**[Frequency scan]:**      **Quick scan**  
                                 Install channels based on a  
                                 pre-configured data table  
**Full scan**  
                                 Install channels based on  
                                 scanning the whole  
                                 frequency spectrum

**[Frequency step]:**      **1 MHz**  
                                 With Full scan, step size to  
                                 search for channels is 1 MHz  
**8 MHz**  
                                 With Full scan, step size to  
                                 search for channels is 8 MHz

**[Network Frequency Mode]:**    **Automatic**  
                                 TV will set the Network  
                                 frequency based on a pre-  
                                 configured data table  
**Manual**  
                                 Option to set Network  
                                 frequency

**[Network Frequency]:**    000.00 (to set)

**[Analogue channels]:**    **On**  
                                 TV will scan also analogue  
                                 channels  
**Off**  
                                 TV will not scan analogue  
                                 channels

**[LCN Sorting]:**         **On**  
                                 TV will scan also analogue  
                                 channels  
**Off**  
                                 TV will not scan analogue  
                                 channels

**[Reset]:**                 On

**[Done]:**                 Once finished select  
                                 [Done] and press **<OK>**

- 8 Press **[Start]** to continue.
- 9 If a preset Network Frequency is not available, or the Network Frequency Mode is set as manual, Enter the Network Frequency and press **[Done]** to continue.  
Press **[Cancel]** if no DVB-C to install (only DVB-T and Analogue).
- 10 Once the channel list is configured, the TV shows how many digital and analog channels are captured and returns to the TV Setup OSD.
- 11 Press **[Done]** > **[Skip]** > **[Finish]** > **[Close]** to return to the TV Setup Menu. If PBS Mode is [On], the Guest menu is displayed.

---

## More Channel Settings

- 1 Press **[Home/Menu]** > **[TV Setup]**> **[OK]**.
- 2 Select **[Setup]** > **[Channel settings]**, then press **OK**.
3. Select a setting to adjust and press **<OK>**:

- **[Languages]**: Set the required DVB languages.
  - **[Primary audio]**: Sets the Primary audio channel to the selected country language.
  - **[Secondary audio]**: Sets the Secondary audio channel to the selected country language.
  - **[Primary subtitles]**: Sets the Primary subtitles to the selected country language.
  - **[Secondary subtitles]**: Sets the Secondary subtitles to the selected country language.
  - **[Primary text]**: Sets the Primary text to the selected country language.
  - **[Secondary text]**: Sets the Secondary text to the selected country language.
  - **[Visually impaired]**: Sets the feature Visually impaired to support:

**[Off]**:  
 [Speakers]:  
 [Headphones]:  
 [Speakers + headphones]:

- **[Preferred audio format]**: Sets the feature preferred audio format:  
 [Standard]:  
**[Advanced]**:

- **[Mono/Stereo]**: Sets the feature audio format:  
 [Mono]:  
 [Stereo]:

Press **OK** to confirm your choice.

---

## Channel installation

Before starting to install channels specific settings must be set to get the channels to be installed (see reinstall, page 29)

- 1 Press **[Home/Menu]** > **[TV Setup]**> **[OK]**.
- 2 Select **[Setup]** > **[Channel settings]**, then press **OK**.
3. Select a setting to adjust and press **<OK>**:

- **[Channel installation]**: Configure the proper installation settings:
  - **[Automatic Channel Update]**: This TV can automatically rescan the entire channel configuration once every day if this feature is set and the TV is in Standby mode.  
**[Off]**: No automatic updating  
**[On]**: At TV clock 5.00 AM channel updating starts
  - **[Channel Update Message]**: Once the TV has updated its channel list due to an Automatic Channel Update, this OSD will inform about the occurrence  
**[Off]**: No updating message  
**[On]**: After an update cycle an OSD message will be displayed once the TV is switched on.
- **[Digital: Reception test]**: Test scan  
 Will install channels that are available in the setted MUX frequency

- [Symbol rate mode]:** **Automatic**  
TV will use the preset Symbol rate (6.900/6.875)
- Manual**  
Option to set Symbol rate 1 and Symbol rate 2
- [Symbol rate 1]:** 0.000 (to set)
- [Symbol rate 2]:** 0.000 (to set)
- [Search]:** Start the test scan

Set the frequency for the selected MUX **[000.00]** and press **[Search]**.  
After finding the channels press **[Done]**.

- **[Analogue: Manual installation]:**  
Will install a analogue channels that is available in the whole frequency spectrum.  
Set the necessary values:

- [System]:** **West Europe**  
East Europe  
UK  
France
- [Find channel]:** 000.00 (to set)  
**[Search] > [Done]**
- [Fine tune]:** 000.00 (to set)  
Press **▲▼** or **▼** to fine tune the channel.  
**[Done]**
- [Store current channel]:** Store the fine tuned channel under the current channel store under a new channel number.
- [Store as new channel]:** Store under a new channel number.

- 4 Press **[Back/PP]** to return to TV Setup Menu.
- 5 Press **[Back/PP]** to exit.

---

### Child lock

Child lock is a mechanism to prevent viewing a channel that has a higher Parental rating then set with this feature.

- 1 Press **[Home/Menu] > [TV Setup]> [OK]**.
- 2 Select **[Setup] > [Child lock]**, then press **OK**.
- 3. Select a setting to adjust and press **<OK>**:

- **[Parental rating]:** Set the proper value (only once a code has been set)
- **[Channel lock]:** Mark the channels that are influenced by the Parental rating
- **[set code]:** Enter a 4 digit code and press **<OK>**

- 4 Press **[Back/PP]** to return to TV Setup Menu.
- 5 Press **[Back/PP]** to exit.

---

### Decoder

Decoder is .....

- 1 Press **[Home/Menu] > [TV Setup]> [OK]**.
- 2 Select **[Setup] > [Decoder]**, then press **OK**.
- 3. Select a setting to adjust and press **<OK>**:

- **[Channel]:** Set the channel location of the decoder.
- **[Status]:** Select  
.....

- 4 Press **[Back/PP]** to return to TV Setup Menu.
- 5 Press **[Back/PP]** to exit.

---

## Change channel settings

After installation, you may want to reorder the channel list to suit your preference.

- 1 Press **[Home/Menu]** ► **[Channel setup]** ►
2. Select a channel to adjust and press **<OPTIONS>**:

- **[Rename]** ►: Press **<OK>** to bring up the virtual keyboard and edit the name. Close this with **[Done]**.

- **[Done]** **<OK>**: Select Done and Press **<OK>** to store the channel name.

- **[Reorder]** ►: Navigate to the selected channel to change and press **<OK>**. Move it to the desired location, then press **OK**.  
Select **[Insert]** to insert the channel into the desired location, **[Swap]** to swap location with another channel or **[Cancel]** to cancel the reorder. Press **OK** to activate.

- **[Blank channels]** ►: Mark the list that needs to be blanked (Blank = hidden from the channel map)  
To view the channels again unmark this field.  
Press **[Back/PP]** to return to the Channel setup page.

- **[MyChoice setup]** ►: MyChoice setup feature enables configuration of the MyChoice PayTV channel list. When MyChoice is activated, the MyChoice channel list [R0] contains all channels that are visible when the TV has stored a valid MyChoice pin code. The free channel list [R1] contains channels that will be visible always.

1. select **[PayTV]** ► **[R0]** ► and mark (all) the channels to include in the MyChoice list and press **<OK>**.  
Unmark a channel to remove it from the list.

Once finished use **[Back]** button to return.

2. select **[PayTV]** ► **[R1]** ► and mark the channels to include in the Free to view list and press **<OK>**.

Unmark a channel to remove it from the list.

Once finished use **[Back]** button to return.

3. Once finished all settings, use **[Back]** button to return to Options menu.

- **[ThemeTV setup]** ►: ThemeTV setup feature enables configuration of channels into ThemeTV channel lists.

For scrolling themes, Theme 1 up to Theme 12 can be configured.

For the fixed themes, Theme 13 up to Theme 15 can be configured.

1. select **[ThemeTV]** and use the **Navigation buttons** to select a Theme1-Theme15.  
Press ► and mark the channels to include in the Theme channel list by pressing **<OK>**.  
Once finished use **[Back]** button to return.

2. Repeat step 1 for all channels to include in required Themes.

3. Once finished use **[Back]** button to return to Channel Setup menu.

- 4 Press **[Back/PP]** to return to Channel setup Menu.

- 5 Press **[Back/PP]** to exit.

---

## Store Settings

To confirm the changes in the PBS Setup menu the changes **MUST** be stored.

1. select **[Store settings]** and press **OK**.
2. select **[OK]** to store settings
3. select **[Cancel]** to discard any changes



---

## Smart Clone

With Smart Clone it is possible to copy to/from a USB device TV the configuration data and channel list data. Place a USB Memory stick in the USB side I/O connector of the TV.

\*USB device should be formatted as FAT or FAT32.

---

### USB to TV

1. select **[Smart Clone]** and press **OK**.
2. select **[USB to TV]** and press **OK**.
3. Clone data will be loaded from USB device into TV. To activate the loaded settings, wait until the OSD message is displayed to remove the power cord.
4. Remove and re-insert the power cord.

---

### TV to USB

1. select **[Smart Clone]** and press **OK**.
2. select **[TV to USB]** and press **OK**.
3. Clone data will be loaded from TV into USB device.
4. wait until the OSD message returns to its earlier state before removing the USB device

---

## RF Download

Instead of using a USB memory device to do cloning and firmware update, this upgrading is also possible using the RF infrastructure. This is supported by SmartInstall (Philips Hospitality RF Download mechanism) and allows a simultaneous upgrade of all installed televisions.

### [SW Types]

Defining the software parts to be upgraded:

[SSB Firmware]	TV Firmware
[SSB NVM]	TV settings
[StandBy Firmware]	Firmware for the StandBy CPU
[ThemeTV]	All graphic files for ThemeTV
[Express Box]	Firmware SBB106
[Welcome Logo]	Graphic file
[Hotel Information]	Graphic file
[All]	All of above (except standby software)

### [Program Info]

This function is to set the necessary DVB parameters to locate the proper RF download channel :

*[Frequency]	Frequency of MUX (default: <b>0706</b> )
*[Medium]	Cable or <b>Antenna</b> (DVB T/C)
[Service ID]	#### <b>(00001)</b>
[ONID]	#### <b>(00001)</b>
[NID]	#### <b>(00001)</b>
[TSID]	#### <b>(00001)</b>
**[Symbol Rate]	#.### <b>(6.900)</b>
**[Modulation]	QAM16, QAM32, <b>QAM64</b> , QAM128, QAM256

*\*Mandatory items*

*\*\*Mandatory items, but DVB-C only*

*Above parameters must match head-end configuration*

---

### Start Download

To manual start a RF download action:

1. select **[RF Download]** and press **OK**.
2. select **[Start Download]** and press **OK**.

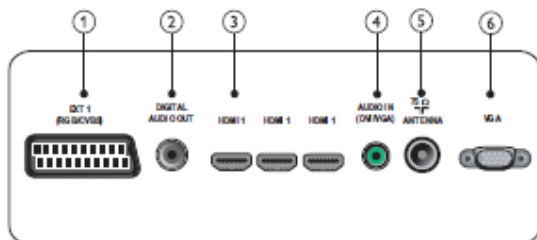
The download action will start and search if valid content is found on the RF network.

## 6. Connect devices

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

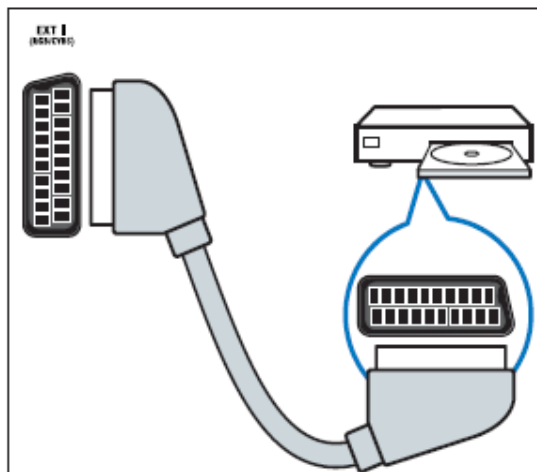
••Different types of connectors may be used to connect a device to your TV, depending on availability and your needs.

### Back connector



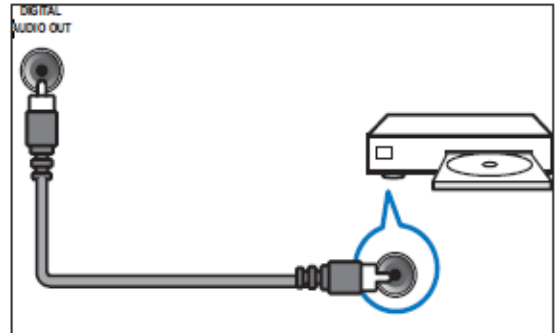
#### 1) EXT 1 (CVBS and RGB)

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



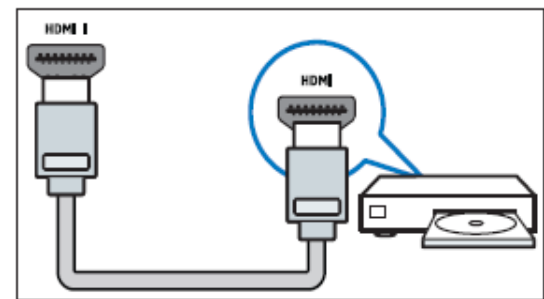
#### 2) DIGITAL AUDIO OUT

Audio and video output to analogue devices such as another TV or a recording device.



#### 3) HDMI 1

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



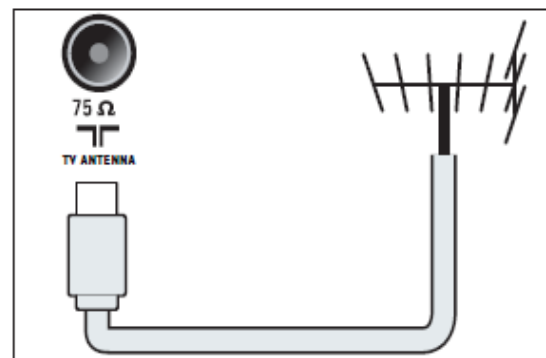
Connections via DVI or VGA require an additional audio cable.

#### 4) AUDIO IN (DVI and VGA)

Audio input from a computer.

#### 5) TV ANTENNA

Signal input from an antenna, cable or satellite.

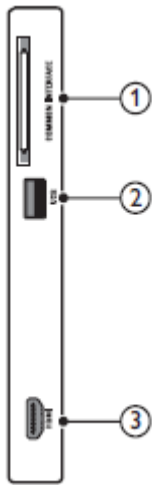


#### 6) VGA

Video input from a computer.

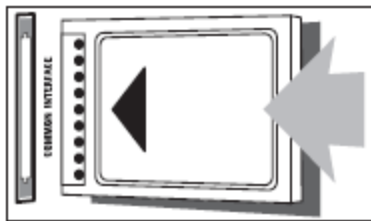
---

## Side connector



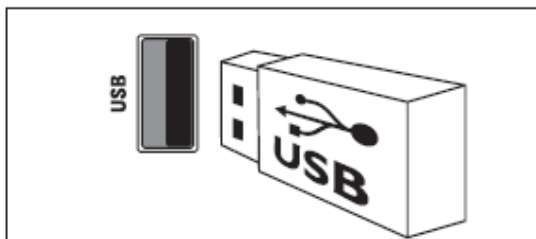
### 1) COMMON INTERFACE

Slot for a Conditional Access Module (CAM).



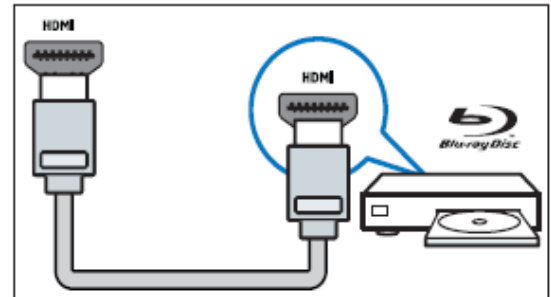
### 2) USB

Data input from USB storage devices.



### 3) HDMI

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



---

## Connect a computer

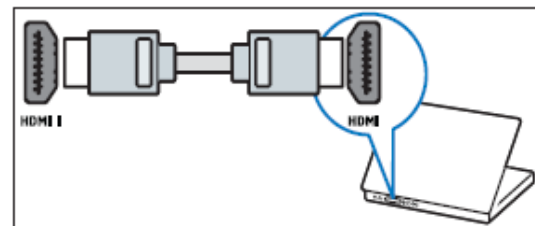
Before you connect a computer to the TV

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

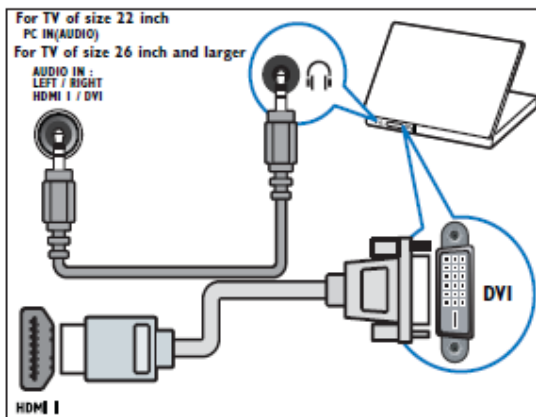
Connect a computer with one of the following connectors:

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

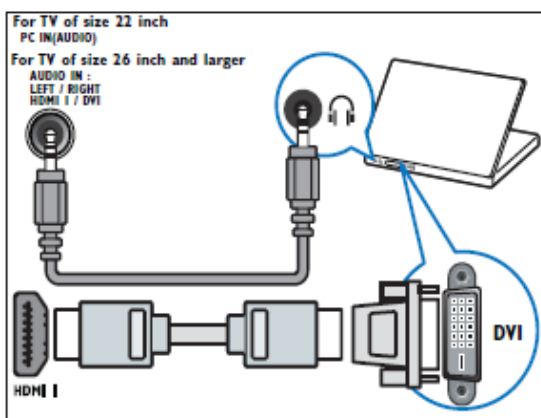
### • HDMI cable



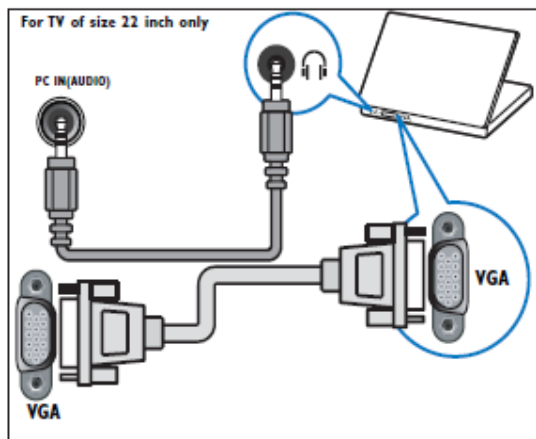
• DVI-HDMI cable



• HDMI cable and HDMI-DVI adaptor



• VGA cable



## Use a Conditional Access Module

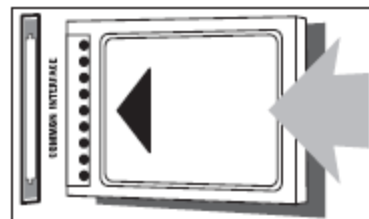
A Conditional Access Module (CAM) is provided by digital TV service operators to decode digital TV channels.

••If required, refer to documentation from your operator on how to insert a smart card into the Conditional Access Module. Proper working can only guaranteed by your operator.

### Insert and activate a CAM


••Be sure to follow the instructions described below. Wrong insertion of a CAM may damage both the CAM and your TV.

1. Switch off the TV.
2. Following the directions printed on the CAM, gently insert the CAM into the **COMMON INTERFACE** at the side of the TV.



3. Push the CAM in as far as it will go.
4. Turn on the TV and wait for the CAM to be activated. This may take several minutes. Do not remove the CAM from the slot when in use — removing the CAM will deactivate digital services

### Access CAM services

1. After inserting and activating the CAM, press .
  2. Press **Navigation buttons** to select **[Common interface]**.
    - »»Applications provided by the digital TV service operator appear on the screen.
- This menu option is available only if the CAM is inserted and activated correctly.

---

## Use Philips EasyLink


Your TV supports Philips EasyLink, which enables one-touch play and one-touch standby between EasyLink-compliant devices.

••Compliant devices must be connected to your TV via HDMI.

---

## Enable or disable EasyLink

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

1. Press .
2. Press **Navigation buttons** to select **[Setup] > [TV settings] > [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.

---

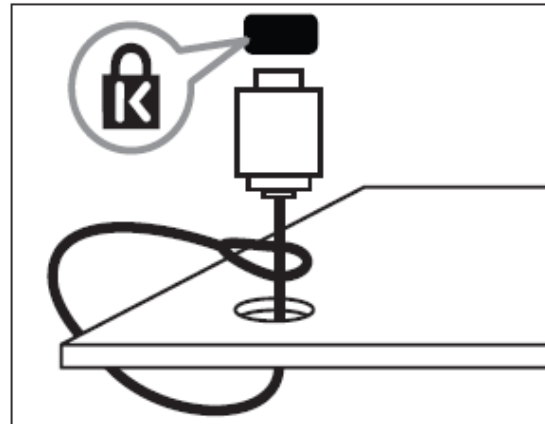
## Use one-touch standby

1. Press and hold  Standby on the TV's or device's remote control for at least three seconds.
  - »»The TV and all connected HDMI devices switch to standby.

---

## Use a Kensington lock

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



## 7. Product information

Product information is subject to change without notice. For detailed product information, go to [www.philips.com/support](http://www.philips.com/support).

---

### Supported display resolutions

#### Computer formats

- Resolution - refresh rate:
  - 640 x 480 - 60Hz
  - 800 x 600 - 60Hz
  - 1024 x 768 - 60Hz
  - 1280 x 720 - 60Hz
  - 1280 x 768 - 60Hz
  - 1280 x 1024 - 60 Hz
  - 1360 x 768 - 60 Hz
  - 1440 x 900 - 60Hz (For Full HD only)
  - 1680 x 1050 - 60Hz (For Full HD only)
  - Via HDMI/DVI input

#### 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
  - Audio: MP3
  - Video: MP4

••Multimedia file names must not exceed 128 characters.

---

### Tuner/Reception/Transmission

- Aerial input: 75ohm coaxial (IEC75)
- DVB: DVB Terrestrial, DVB-T MPEG4 (only in some models)

- TV system: DVB COFDM 2K/8K; PAL I, B/G, D/K; SECAM B/G, D/K, L/L'
- Video playback: NTSC, SECAM, PAL
- Tuner Bands: Hyperband, S-channel, UHF, VHF

---

### Remote control

- Type: RC-6
- Batteries: 2 x AAA (LR03 type)

---

### Power

- Mains power: 220-240V, 50Hz ~ 60Hz
- Standby power: < 0.3W
- Ambient temperature: 5 to 40 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 or 5.5cm from the back of the TV.

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

TV Screen Size (inches)	Required pitch (mm)	Required mounting bolts
22	75 x 75	4 x M4
26	75 x 75	4 x M4
32	200 x 200	4 x M6
42	400 x 300	4 x M6

---

## 8. 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 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.

#### When TV start-up time is slow:

- Select [Fast] mode in [Low power standby] menu.

---

### 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.
- 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:**

••If no audio signal is detected, the TV automatically mutes the audio output — this does not indicate malfunction

- Check that all cables are properly connected.
  - Check that the volume is not set to 0.
  - Check that the sound is not muted.
- There is a picture but the sound quality is poor:
- Check that the sound settings are correctly set.
- There is a picture but sound comes from one speaker only:
- Verify that sound balance is set to the centre.

---

## HDMI connection issues

**There are problems with HDMI devices:**

- Note that HDCP 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)

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## 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 product at:

[www.philips.com/support](http://www.philips.com/support).

If the problem remains unresolved, contact Philips Consumer Care in your country as listed in the warranty leaflet.

### Warning

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

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.



## 9. A Attachment 1 0

This section describes commonly encountered issues when installing DVB-T channels.

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### DVB-T installation 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:

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