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User Manual

4000 Series

PHILIPS

Environmental Protection Use Period

This logo labelled on the product itself indicates that the Environmental Protection Use Period thereof is 10 years. The Environmental Protection Use Period of electrical information products refers to the time period during which the toxic and hazardous substances or elements contained within the product will not leak or suddenly spoil, and users of such products will not cause any serious environmental pollution or serious damage to human and property. During the Environmental Protection Use Period, please use this product according to the instructions given in this user manual. The Environmental Protection Use Period does not cover consumable parts: the battery.

Suggestive Description of the Recycling Administrative Regulations for Waste Electrical and Electronic Products

In order to protect the Earth in a better way, please adhere to the national and applicable laws in relation to the recycling management of waste electrical and electronic products when the user no longer needs to use this product, or when it has reached the end of its product life.

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1 Caution

Terms of Warranty

Risk of Injury, Damage to TV or void of Warranty!

- Do not 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/LED 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.

Mains Fuse

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

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

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HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.



Manufactured under license from Dolby Laboratories. Dolby, Dolby Audio, and the double-D symbol are trademarks of Dolby Laboratories.

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 a naked flame or heat source, including direct sunlight. To prevent the spread of fire, keep candle 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.
- To disconnect the TV from the main power, the power plug of the TV must be disconnected. When disconnecting the power, always pull the power plug, never the cord. Ensure that you have full access to the power plug, power cord and outlet socket at all times.

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 or 55 lbs.
- When stand mounting the TV, use only the supplied stand. Securing 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. Securing the wall mount to a wall that can support the combined weight of the TV and wall mount. TPVision Europe B.V. bears no responsibility for improper wall mounting that results in accident, injury or damage.
- If you need to store the TV, disassemble the stand from the TV. Never lay the TV on its back with the stand installed.
- 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.

- Parts of this product may be made of glass. Handle with care to avoid injury and 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 Swallowing Batteries!

- The product/remote control may contain coin-type batteries, which are harmful if swallowed. Keep the battery out of reach of children at all times!

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 that the curtains or other objects never cover the ventilation slots on the TV.

Risk of Injury, Fire or Power Cord Damage!

- Never place the TV or any objects on the power cord.
- 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 or 41°F, unpack the TV and wait until the TV temperature reaches 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: on-screen menus, black bars and time displays. If you must use stationary images, turn down 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.
- 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.

Recycling



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.

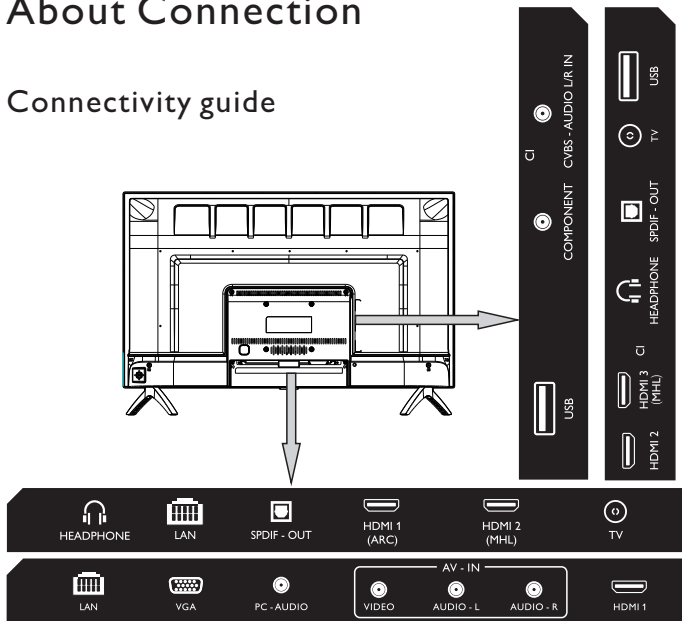


Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed of with normal household waste. Please inform yourself about the local rules on separate collection of batteries because correct disposal helps to prevent negative consequences for the environment and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

3 Connecting Your Devices

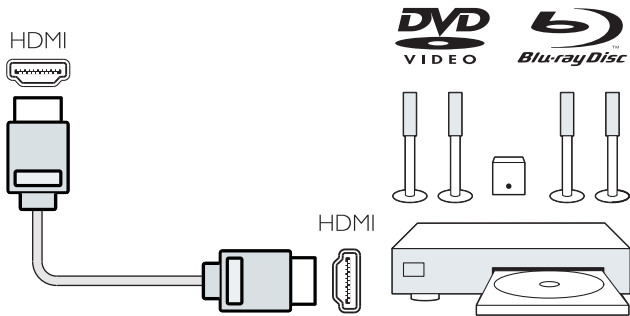
About Connection

Connectivity guide



Always connect a device to the TV with the highest quality connection available. Also use good quality cables to ensure a good transfer of picture and sound. If you need help to connect several devices to the TV, you can visit the Philips TV connectivity guide. The guide offers information on how to connect and which cables to use. Go to www.connectivityguide.philips.com.

HDMI Ports



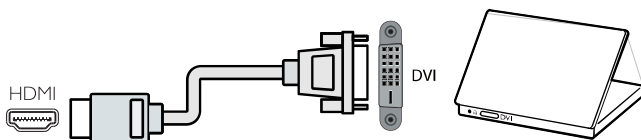
HDMI Quality

An HDMI connection has the best picture and sound quality. Use an HDMI cable for TV signal. For best signal quality transfer, use a High speed HDMI cable and do not use an HDMI cable longer than 5 m.

HDMI MHL

HDMI 2 connection on the TV has HDMI MHL (Mobile High-Definition Link).

DVI to HDMI

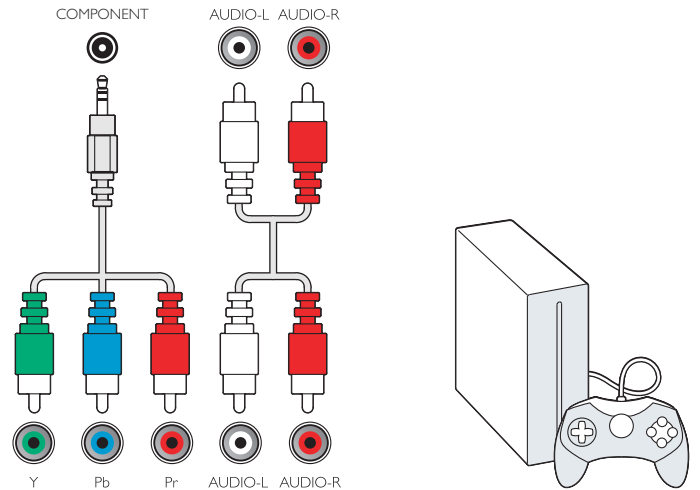


If you still own a device that only has a DVI connection, you can connect the device to any of the HDMI connection with a DVI to HDMI adapter. Use a DVI to HDMI adapter if your device only has a DVI connection. Use one of the HDMI connection and add an Audio L/R cable to Audio in for sound, on the back of the TV.

Copy Protection

DVI and HDMI cables support HDCP (High-bandwidth Digital Content Protection). HDCP is a copy protection signal that prevents copying content from a DVD Disc or Blu-ray Disc. Also referred to as DRM (Digital Rigital Management).

COMPONENT-AUDIO L/R IN



COMPONENT

The COMPONENT connection is a video connection. It can be used for receiving High Definition(HD) signals. Please use the mini-YPbPr cable to make connection. When you want to use the COMPONENT connection, you need to plug the mini-YPbPr cable with the right colours(green, blue, red).

AUDIO L/R IN

If your device also has sound output, you will need to connect its Audio L/R output ports with TV's CVBS-AUDIO L/R IN by using the mini-AV cable.

CVBS-AUDIO L/R IN

CVBS-AUDIO L/R IN is a connection that contains CVBS and AUDIO L/R IN. CVBS(Composite Video Broadcast Signal) is for video connection, AUDIO L/R IN is for sound connection.

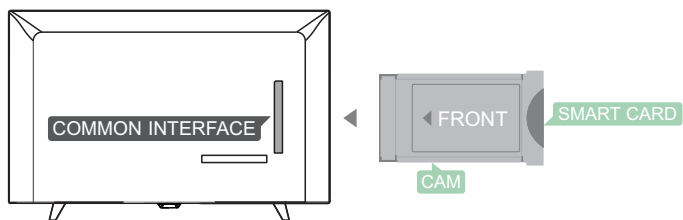
Audio Out-Optical (SPDIF-OUT)

Audio Out-Optical is a high quality sound connection. This optical connection can carry 5.1 audio channels. If your device, typically a Home Theatre System (HTS), has no HDMI ARC connection, you can use this connection with the Audio In-Optical connection on the HTS. The Audio Out-Optical connection sends the sound from the TV to the HTS.

You can press **HOME** MENU key to enter the main menu and select SOUND, press OK key to enter the submenu, then on the screen press **UP** / **DOWN** key to select Digital Output, press **LEFT** / **RIGHT** key to adjust the options, such as PCM, Auto, Off.

Common Interface-CAM

CI+

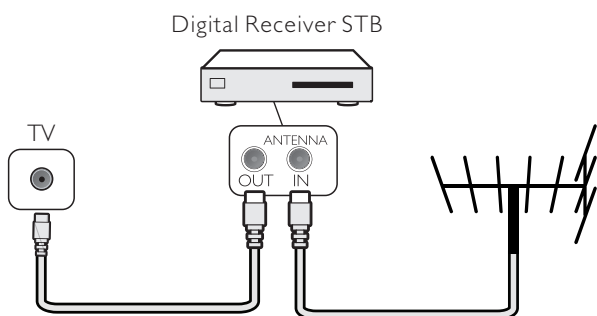


This TV is ready for the CI+ Conditional Access. With CI+ you can watch premium HD programmes, like movies and sports live offered by digital TV operator in your region. These programmes are scrambled by the TV operator and descrambled with a prepaid CI+ module. Contact a digital TV operator for more information on terms and conditions.

CAM

Insert a CAM module.
Switch off the TV before inserting a CAM.
Insert the CAM module properly. Incorrect insertion can damage the CAM and TV.
Use the CI Interface slot on the TV to insert the CAM card. With the front of the card facing to you, gently insert the CAM as deep as it will go.
Leave the card in the slot permanently.
It may take a few minutes before the CAM is activated.
Removing the CAM will deactivate the broadcast service on the TV.
If a CAM is inserted and subscription fees have been paid (connection method can differ), you can watch the TV broadcast. The inserted CAM is exclusive for your TV.

STB(Set-Top Box)



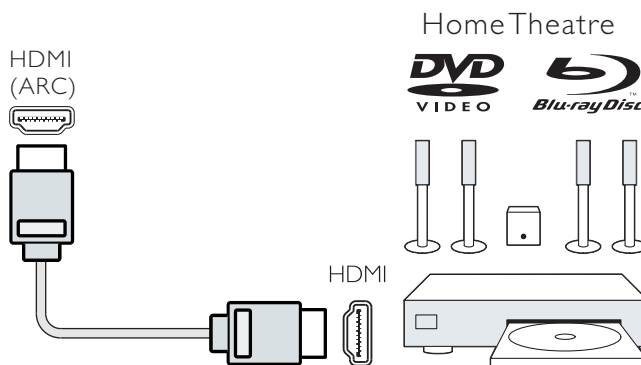
Use a RF signal cable to connect the antenna to the STB(a digital receiver), then add an HDMI cable to connect the STB to the TV.

Notice

If you just want to use the remote control of the Set-Top Box, you can follow below operations to avoid the TV entering auto standby.
Press **HOME** MENU key, select the Time, then press OK key and set the Auto Standby status to off.

Home Theatre System

Connect with HDMI ARC



Use an HDMI cable to connect a Home Theatre System (HTS) to the TV. You can connect a Philips Soundbar or HTS with a built-in disc player.

HDMI ARC

HDMI 1 connection on the TV have HDMI ARC (Audio Return Channel). If the device, typically a Home Theatre System (HTS), also has the HDMI ARC connection, connect it to HDMI 1 on this TV. With the HDMI ARC connection, you do not need to connect the extra audio cable that sends the sound of the TV to the HTS. The HDMI ARC connection combines both signals.

Audio to video synchronisation (sync)

If the sound does not match the video on the screen, you can set a delay on most Home Theatre System with a disc player to match the sound with video.

Connect with HDMI

Use an HDMI cable to connect a Home Theatre System (HTS) to the TV. You can connect a Philips Soundbar or an HTS with a built-in disc player.
If the Home Theatre System has no HDMI ARC connection, add an optical audio cable (Toslink) to send the sound of the TV to the Home Theatre System.

Blu-ray Disc player

Use a High speed HDMI cable to connect the Blu-ray Disc player to the TV.
If the Blu-ray Disc player has EasyLink HDMI CEC, you can operate the player with the TV remote control.

DVD player

Use an HDMI cable to connect the DVD player to the TV.
If the DVD player has EasyLink HDMI CEC, you can operate the player with the TV remote control.

Game Console

HDMI: For best quality, connect the game console with a High speed HDMI cable to the TV.

COMPONENT-AUDIO L/R IN: Connect the game console with a component cable (mini-YPbPr cable) and an audio L/R cable (mini-AV cable) to the TV.

CVBS-AUDIO L/R IN: Connect the game console with a mini-AV cable to the TV.

USB Flash Drive

You can view photos or play music and videos from a connected USB flash drive.

Insert a USB flash drive in one of the USB connections on the TV while the TV is switched on.

The TV detects the flash drive and shows a window for you to browse the USB flash drive.

If the window disappears, you can press SOURCES key, select USB and press OK key to enter.

Computer

You can connect your computer to the TV and use the TV as a PC monitor.

With HDMI


Use an HDMI cable to connect the computer to the TV.

With DVI to HDMI

Alternatively, you can use a DVI to HDMI adapter to connect the PC to HDMI and an audio L/R cable (mini-AV cable) to AUDIO L/R IN port on the back of the TV.

Headphones

You can connect a set of headphones to HEADPHONE port on the back of the TV.

Press  +/- key on the remote control to adjust the volume.

USB Interface

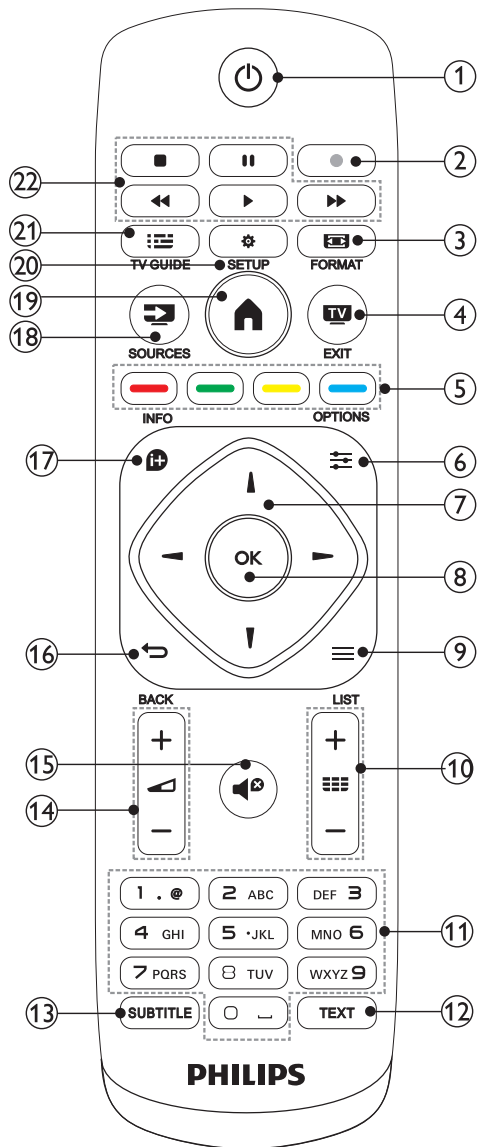
Insert USB storage device into USB interface of the TV.

Press SOURCES key to enter the signal input menu. Press OK key to enter the USB.

Note:

1. USB function supports such file formats as PHOTO/MUSIC/MOVIE/TEXT. The USB device file system can only be FAT/FAT32.
2. If an external device that consumes more than 500 mA current is connected to the USB port, it would cause damage to the TV.
3. When the USB device is working, do not pull it out, otherwise it would cause damage to the TV system or the USB device system.

4 Remote Control



- ① **Standby/Power on**
To switch the TV on or back to Standby.
To power on the TV if it is in standby.
- ② **Recording**
To record now.
- ③ **FORMAT**
To display the image aspect ratio.
- ④ **TV EXIT**
To press this button to exit menu.
- ⑤ **Colour key**
Special function selection keys.
- ⑥ **OPTIONS**
To open or close the Options menu.
- ⑦ **Navigation keys**
To navigate up, down, left or right.
- ⑧ **OK**
To confirm a selection or setting.
- ⑨ **LIST**
To open or close the channel list.
- ⑩ **CH+/-**
To switch to the next or previous channel in the channel list.
To open the next or previous page in Text/Teletext.
- ⑪ **Numeric keys (0~9)**
To select a channel or value.
- ⑫ **TEXT**
To display Teletext information.
- ⑬ **SUBTITLE**
To open or close subtitle menu, choose a type of subtitle.
- ⑭ **VOL+/-**
To adjust the volume level.
- ⑮ **Mute**
To mute the sound or to restore it.
- ⑯ **BACK**
To switch back to the previous channel you selected.
To close a menu without changing a setting.
- ⑰ **INFO**
To open or close programme information.
- ⑱ **SOURCES**
To select an input source for the TV.
- ⑲ **(MENU)**
To open or close the home menu.
- ⑳ **SETUP**
To open the Settings menu.
- ㉑ **TV GUIDE**
To open or close the TV Guide.
- ㉒ **Stop, Pause, Rewind, Start, Fast Forward**
Shortcut keys in USB mode: Stop, Pause, Rewind, Start, Fast Forward.

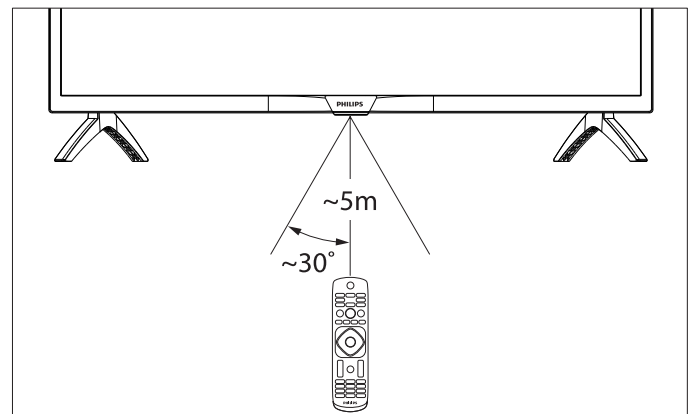
To start the next or previous chapter on a disc.

- ① **Numeric keys (0~9)**
To select a channel or value.
- ② **TEXT**
To display Teletext information.
- ③ **SUBTITLE**
To open or close subtitle menu, choose a type of subtitle.
- ④ **VOL+/-**
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- ⑫ **Stop, Pause, Rewind, Start, Fast Forward**
Shortcut keys in USB mode: Stop, Pause, Rewind, Start, Fast Forward.

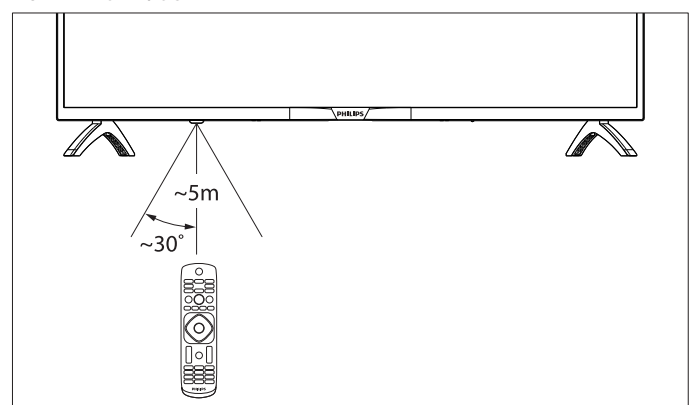
Remote control usage

When you use 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.

32PHT4012/05



43PFT4012/05

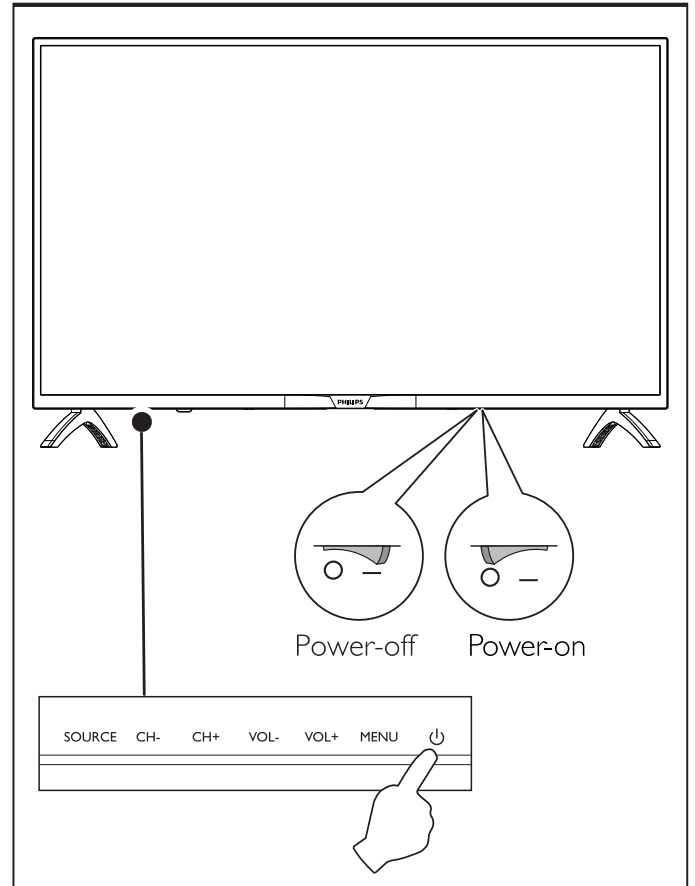
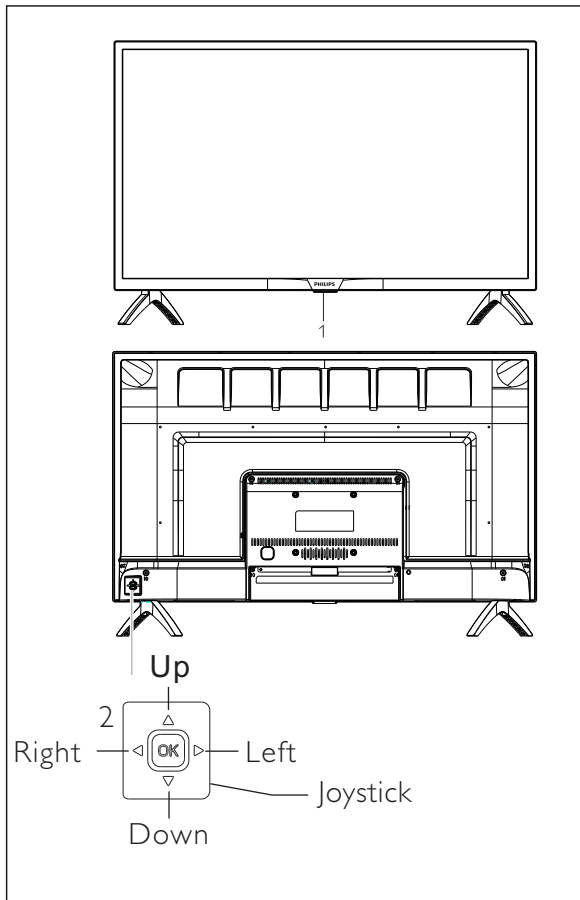


5 Panel Control Keys

43PFT4012/05

Control Panel

32PHT4012/05



1. Indicator / Remote Control Sensor
2. SOURCE: Display the list of signal sources.
3. -CH+: Switch to the previous/next channel.
4. VOL-/+ : Increase/reduce the volume.
5. MENU: Turn on/off the main menu.
6. : Turn on/off the TV; to cut off power supply, please unplug the power cable.

1. Power LED indicator and IR sensor
2. Joystick - Local Control (if available)

Press the joystick key (OK):

- ① With the TV switched on, press the joystick key (OK) on the back of the TV to bring up the basic menu. Press left or right to Menu, Sources, Power off, Exit. Press OK to confirm a selection.
- ② Under the non-USB source menu, long press the joystick key (OK) for 2s to return to previous page.
- ③ Under the USB source menu, long press the joystick key (OK) for 2s to display the "OSD" menu on the screen.

Press left or right:

- ① In non-OSD menu operation, press left or right to decrease or increase the volume.
- ② In OSD menu operation, to navigate left or right.

Press up or down:

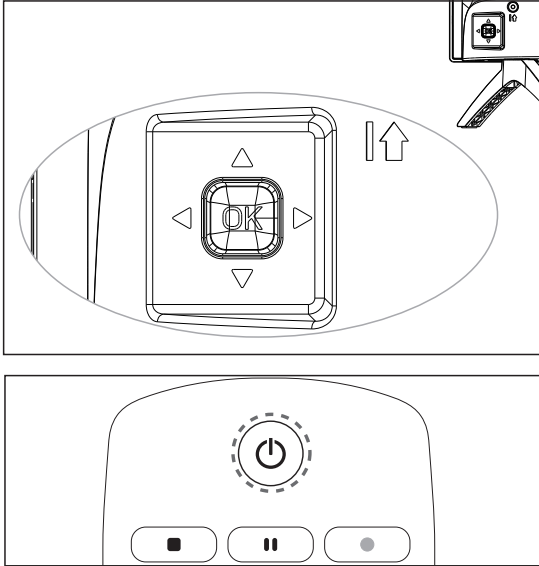
- ① In non-OSD menu operation, press up or down to increase or decrease channel (only work under ATV or DTV source).
- ② In OSD menu operation, press up or down to to navigate up or down.

Note: Different models may have different appearances, please refer to the actual device.

6 Switch On


Switch On or Standby

32PHT4012/05




Make sure the TV is connected to the mains AC power. Connect the supplied power cord to the AC in connector. The indicator light at the bottom of the TV lights up.

Switch On

Press  on the remote control to switch the TV on. You can also press the small joystick key on the back of the TV to switch the TV on in case you can't find the remote control or its batteries are

Switch to Standby

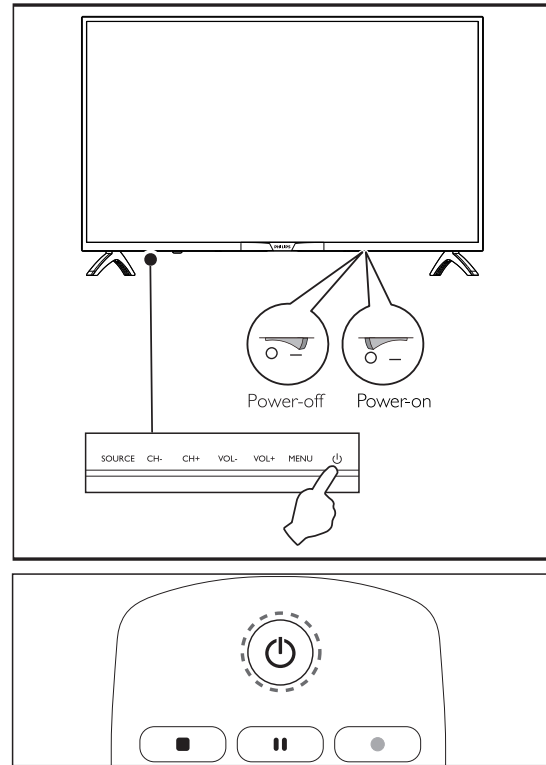
To switch the TV to standby, press  on the remote control. You can also press the small joystick key on the back of the TV.

To switch off the TV completely, disconnect the power plug.

When disconnecting the power plug, always pull the power plug, never the cord. Ensure that you have full access to the power plug, power cord and outlet socket at all times.


Turn on/off the TV, or switch to Standby

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Turn on the TV

If the indicator is off, please insert the TV power cord into a power outlet. Press the power switch to turn on the TV as shown in the figure.

When the indicator is on, press  (Standby-On) on the remote control or on the bottom panel of the TV to turn on the TV.

Switch to Standby

Press  (Standby-On) on the remote control or on the bottom panel of the TV.

The standby indicator turns on.

Turn off the TV

Press the power switch to turn off the TV as shown in the figure.

The standby indicator turns off.

7 TV Channel





Channel

Update Channels






Programme Scanning

Before you watching the programmes of the TV, you need to scan for the programmes. (Note: Make sure that the antenna is connected properly before scanning).



Auto Tuning

Press  MENU key to enter the main menu and select Channel, press OK key to enter channel menu, select Auto Tuning, press  key to open tuning setup. You can press  /  key to adjust these options, and then press OK key to start searching.



Analogue Manual Tuning


Select Channel, press OK key to enter channel menu, select Analogue Manual Tuning, then press  key to enter submenu. You can press  /  key to select items to set, and then press  /  key to adjust the options or search the channels manually.





Digital Manual Tuning



Select Channel, press OK key to enter channel menu, select Digital Manual Tuning, then press  /  key to select channel, press OK key to start searching.



Channel Edit

Select Channel, press OK key to enter channel menu, select Channel Edit, press OK key to enter channel list, press  /  key to select the item you'd like to edit. You can select the colour keys to edit these programmes with the tips on the screen.

Delete: Press  key on the remote control to delete the selected channel.

Move: Press  key on the remote control to highlight a channel, and press  /  key, to move it to a desired location, then press  key to confirm.

Skip: Press  key on the remote control to skip the channel, and press  key again to cancel it.

Favourite: Press  key on the remote control to set your favourite channel, and press  key again to cancel it.

Signal Information

Select Channel, press OK key to enter channel menu, select Signal Information, press OK key to look through the signal information (it is only available in DTV mode).

CI Information

Select Channel, press OK key to enter channel menu, select CI Information, press OK key to look through the CI information (it is need CI CAM).

Software Update (OAD)

Select Off or On.

8 TV Program Guide

What you need

With the TV guide you can view a list of the current and scheduled TV programmes of your channels. Depending on where the TV guide information (data) is coming from, analogue and digital channels or only digital channels are shown. Not all channels offer TV guide information.

Open the TV Guide


To open the TV guide, press  (TV GUIDE).

Press  (TV GUIDE) again to close.


The first time you open the TV guide, the TV scans all TV channels for programme information. This may take several minutes.

TV guide data is stored in the TV.

Record


You can press  key on the remote control to record the programmes you desire.

Remind


Press  to set a reminder for a programme. A message will alert you at the start of the programme. You can tune to this channel immediately.

Press  to clear reminder.

Prev Day

Press  to view the schedule of previous day of selected programme.

Next Day

Press  to view the schedule of next day of selected programme.

9 Recording Programme

Recording

To record a TV programme you need...

- a connected USB Hard Drive formatted on this TV
- digital TV channels installed on this TV
- to receive channel information for the on screen TV Guide
- a reliable TV clock setting. If you reset the TV clock manually, recordings may fail.

You cannot record when you are using Pause TV. In terms enforcement of copyright legislation, some DVB providers can apply different restriction by means of DRM (Digital Right Management) technology. In case of broadcasting protected channels, recording, record validity or number of views may be restricted. Recording may be completely prohibited. In case of trying to record a protected broadcasting or play back an expired recording, an error message can appear.

Record a Programme

To record the programme you are watching right now, press **●** (Record) on the remote control. The recording will start immediately.

To stop the recording, press **■** (Stop).

When TV Guide data is available, the programme you are watching will be recorded from the moment you pressed the recording key until the programme ends. If no TV Guide data is available, the recording will only last 30 minutes. You can adjust the end time of the recording in the list of Recordings.

Schedule a Recording

You can schedule a recording of an upcoming programme for today or a few days from today (maximum of 7 days away).

The TV will use the data from the TV Guide to start and end the recording.

To schedule a recording

1. Press **≡** (TV GUIDE).
2. On the TV guide, select the channel and programme you wish to record. Press **◀ / ▶** to scroll through the programmes of a channel.
3. With the programme highlighted, press the colour key **●** Record.

The programme is scheduled for recording. A warning will show automatically when overlapping recordings are scheduled. If you plan to record a programme in your absence, remember to leave the TV switched to Standby and the USB Hard Drive switched on.

Recorded List

List of Recordings

You can view and manage your recordings in the list of recordings.

To open the list of recordings...

1. Press **⏠** MENU key and select Channel.
2. Press OK key to select Recorded List.

Pause TV

What You Need

You can pause a digital TV broadcast and resume watching it a bit later.

To pause a TV programme you need.

- a connected USB Hard Drive formatted on this TV
 - digital TV channels installed on this TV
 - to receive channel information for the on screen TV Guide
- With the USB Hard Drive connected and formatted, the TV continuously stores the TV broadcast you are watching.

Pause a Programme

To pause and resume a broadcast.

To pause a broadcast, press **⏸** (Pause). A progress bar at the bottom of the screen appears briefly.

To call up the progress bar, press **⏸** (Pause) again.

To resume watching, press **▶** (Play).

With the progress bar on screen, press **◀◀** (Rewind) or press **▶▶** (Forward) to select from where you want to start viewing the paused broadcast.

To switch back to the live TV broadcast, press **■** (Stop).

10 Sources

Switch Sources

Source List

- To open the Sources menu, press SOURCES.
- To switch to a connected device, select the device with the ▲/▼ key and press OK.
- To close the Sources menu without switching to a device, press SOURCES again.

11 Time and Clock

Time

Time Settings

Auto Sync

Press ◀ / ▶ key to select on, Time Zone option will be activated.

The time information comes from the broadcasted UTC - Coordinated Universal Time information.

Press ◀ / ▶ key to select off, Time Zone option will be off.

You can set time manually now.

Clock

If Auto Sync is switched off, you can set TV clock manually with this option.

If Auto Sync is switched on, this option is not available.

To Set the Sleep Timer

TV will switch to Standby automatically after a preset period of time.

Press ◀ / ▶ key to select a period of time (10, 20, 30, 60, 90, 120, 180, 240 minutes).

Press ◀ / ▶ key to select off to switch off sleep timer.

OSD Timer

OSD will be closed after a preset period of timer.

Press ◀ / ▶ key to select a period of time (5, 15, 30, 60s).

Press ◀ / ▶ key to select off to switch OSD Timer off.

Auto Standby

If the TV receives a TV signal but you don't press a key on the remote control during a period of time, TV will switch to standby.

Press ◀ / ▶ key to select the period of time (3H, 4H, 5H).

Press ◀ / ▶ key to select Off to switch off auto standby.

Time Zone

Press ◀ / ▶ key to select a time zone.

12 Lock

System Lock

Switch system lock on or off.

Channel lock, parental guidance, key lock will be activated when you Switch system lock on (The default password: 0000).

Set Password

Set password for channel lock, parental guidance, key lock.

Channel Lock

To prevent children from watching a channel, you can press  key lock a channel in channel lock.

To watch a locked channel, you must enter the 4 digit Child Lock PIN code first.

You cannot lock programmes from connected devices.

The locked channel will have  next to the channel logo.

Parental Guidance

Set a minimum age to watch rated programmes.

Key Lock

To lock the keys on TV

Off: to unlock keys on TV

Partial: to lock all other keys except "OK"

Full: to lock all keys on TV

13 Setting

General Settings

Language

Change the language of the TV menu and messages.

Primary Audio Language

Digital TV channels can broadcast audio with several spoken languages for a programme.

You can set a preferred primary audio language. If audio in one of these languages is available, the TV will switch to this audio.

Secondary Audio Language

Digital TV channels can broadcast audio with several spoken languages for a programme.

You can set a preferred secondary audio language. If audio in one of these languages is available, the TV will switch to this audio.

Primary Subtitle Language

Digital channels can offer several subtitle languages for a programme.

You can set a preferred primary subtitle language. If subtitles in one of these languages are available, the TV will show the subtitles you selected.

Secondary Subtitle Language

Digital channels can offer several subtitle languages for a programme.

You can set a preferred secondary subtitle language. If subtitles in one of these languages are available, the TV will show the subtitles you selected.

Hearing Impaired

Some digital TV channels broadcast special audio and subtitles adapted for the hard of hearing or deaf people. Switched on, the TV automatically switches to the adapted audio and subtitles, if available.

PVR File System

Manage the USB device for recording programme.

First Time Installation

Configure the language, country and channel when setting up the TV for the first time or when resetting the unit.

Software Update (USB)

Upgrade software with the USB interface.

Software Update (NET)

Update the software from the network.

Reset TV

Redo full TV installation, and set TV status back to the first time you switch on.

HDMI CEC

Connect HDMI CEC-compatible devices to your TV, you can operate them with the TV remote control. EasyLink HDMI CEC must be switched on on the TV and the connected device.

Note: EasyLink might not work with devices from other brands.

The HDMI CEC functionality has different names on different brands. Some examples are: Anynet, Aquos Link, Bravia Theatre Sync, Kuro Link, Simplink and Viera Link. Not all brands are fully compatible with EasyLink. Example HDMI CEC branding names are property of their respective owners.

Software Version

To view the current TV software version.


Shop Mode

Select Shop, the picture style is switched back to Vivid, and can adjust shop settings.

Shop mode is for in-store promotion.


14 Picture

Picture Settings



Press  MENU key to show main menu, select Picture icon and press OK key to enter.



Picture Style: Select one of preset picture styles for ideal picture viewing.

For example, Personal, Standard, Dynamic, Soft.

Contrast: Press  /  to adjust the contrast value of the picture.

You can decrease contrast value to reduce power consumption.

Brightness: Press  /  to adjust the sharpness value of the picture.

Colour: Press  /  to adjust the colour saturation value of the picture.

Noise Reduction: Select High, Middle, Low, Off to set the level for removing the noise in video content. Noise is mostly visible as small moving dots in onscreen picture.

Colour Temp: Select Normal, Warm, or Cold to set the colour temperature for your preference.

Energy Saving: Select On or Off to switch the energy saving mode.

15 Sound

Sound Settings

Press **HOME** MENU key to show main menu, select Sound icon and press OK key to enter.

Sound Mode: Press **◀ / ▶** key to set the sound display mode such as Personal, Standard, Sports, Music, Movie.

Treble: Press **◀ / ▶** to adjust the level of high tones in the sound.

Bass: Press **◀ / ▶** to adjust the level of low tones in the sound.

Balance: Press **◀ / ▶** to adjust the balance between the right and left speaker.

Auto Volume Levelling: With Auto Volume Levelling, you can set the TV to automatically level out sudden volume differences. Typically at the beginning of adverts or when you are switching channels.
To switch on or off.

Digital Output: Set the audio out signal of the TV to fit the sound capabilities of the connected Home Theatre System.

Audio Description: Digital TV channels can broadcast special audio commentary describing what is happening on screen.
Note: For blind or partially sighted people.

AD Volume: Press **◀ / ▶** to adjust the value.

Audio Track: You can select other audio language if available.

Note: If no other audio languages are available, you cannot select this option.

16 Multimedia

From a USB Connection

Supported USB file systems - USB (FAT / FAT 32): only connect USB devices that consume 500 mA of power or less.

Image Codec: JPEG, PNG, BMP

Audio Codec: MP3, AC3, AAC

Video Codec: AVI, MKV, H.264, MPEG-1, MPEG-2, MPEG-4, HEVC, FLV

Subtitle: SRT, SMI, SSA, SUB, ASS, TXT

17 Product Information

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

Display Resolutions

Computer Formats

• Resolution - refresh rate:

- | | |
|---------------------|---------------------|
| 32PHT4012/05 | 43PFT4012/05 |
| • 720×400-70Hz | • 720×400-70Hz |
| • 640×480-60Hz | • 640×480-60Hz |
| • 800×600-60Hz | • 800×600-60Hz |
| • 1024×768-60Hz | • 1024×768-60Hz |
| • 1360×768-60Hz | • 1360×768-60Hz |
| | • 1920×1080-60Hz |

Video Formats

• Resolution - refresh rate:

- 480i-60Hz
- 480p-60Hz
- 576i-50Hz
- 576p-50Hz
- 720p-50Hz, 60Hz
- 1080i-50Hz, 60Hz
- 1080p-50Hz, 60Hz

Multimedia

- **Supported storage device:** USB (only FAT or FAT 32 USB storage devices are supported.)

Sound Power

- **32":** 8W×2
- **43":** 8W×2

Inherent Resolution

- **32":** 1366×768
- **43":** 1920×1080

Tuner/Reception/Transmission

- **Aerial input:** 75ohm coaxial (IEC75)
- Supported Systems
ATV: PAL, SECAM.
DTV: DVB-T/T2.

Remote Control

- **Batteries:** 2×AAA

Power Supply

- **Main Power Supply:** 100-240V~, 50/60Hz
- **Standby Energy Consumption:** ≤0.5W
- **Environment Temperature:** 5-40°C
- **Power consumption:**
 - 32": 65W
 - 43": 75W

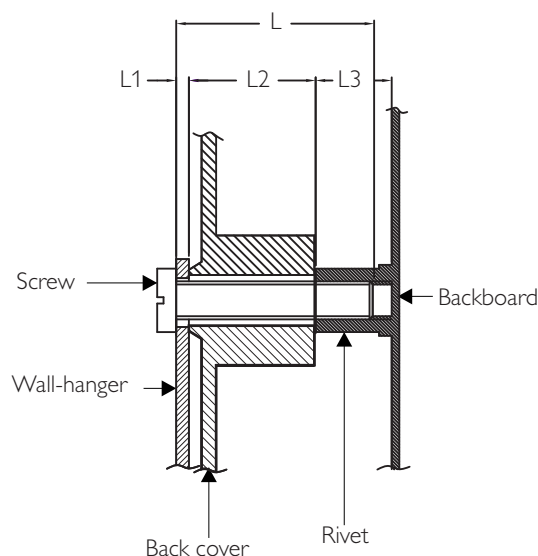
Supported TV Mounts

To mount the TV, please purchase a Philips TV mount or any TV mount compliant with the VESA standard. To prevent damage to cables and connectors, be sure to leave a clearance gap of at least 2.2 inches or 5.5 cm between the back of the TV and the wall.



Warning

- Please follow all instructions provided with the TV mount. TP Vision Europe B.V. bears no responsibility for improper TV mounting that results in accident, injury or damage.



- L1: Thickness of wall-hanger;
- L2: Depth of back cover;
- L3: Depth of rivet;
- L: Recommended screw length.

| Model No. | Required Pixel Pitch (mm) | Required Mounting Screws |
|-----------|---------------------------|--|
| 32" | 100 × 100 | 4×M4(L=6+L1) |
| 43" | 400 × 200 | Top 2×M6(23+L1 ≤ L ≤ 28+L1) Bottom 2×M6(L=6+L1) |

Note

- The screw length depends on wall bracket.

Open Source License

About Open Source License

Acknowledgements and License Texts for any open source software used in this Philips TV.

This is a document describing the distribution of the source code used on the Philips TV, which falls either under the GNU General Public License (the GPL), or the GNU Lesser General Public License (the LGPL), or any other open source license. Instructions to obtain source code for this software can be found in the user manual.

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open.source@tpvision.com

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18 Troubleshooting

Tips

If you can't find a solution for your TV problem in Troubleshooting, you can press **HOME** MENU > Help to find the information you are looking for.

If the User manual doesn't answer your question, you can go to the support website of Philips. To solve any Philips TV related problem, you can consult our online support. You can select your language and enter your product model number.

Go to www.philips.com/support.

For more TV troubleshooting and frequently asked questions (FAQs).

Go to <http://philips-tvconsumercare.kxondemand.com/portal/en/ModelSelect>

Switch On

The TV does not switch on

- Disconnect the power cable from the power outlet. Wait for one minute then reconnect it. Make sure that the power cable is securely connected. Try switching on again.
 - Connect the TV to another wall mains socket and try switching on.
 - Disconnect all connected devices from the TV and try switching on.
 - If the standby light on TV is on, the TV might not respond to the remote control.

Creaking sound at startup or switch off

When you are turning the TV on, off or to standby, you hear a creaking sound from the TV chassis. The creaking sound is due to the normal expansion and contraction of the TV as it cools and warms up. This does not affect performance.

The TV goes back to standby after showing the Philips startup screen

When the TV is in standby, a Philips startup screen is displayed, then the TV returns to standby mode. This is normal behaviour. When the TV is disconnected and reconnected to the power supply, the startup screen is displayed at the next startup. To switch on the TV from standby, press **POWER** (Standby / On) on the remote control.

The standby light keeps on blinking

Disconnect the power cable from the power outlet. Wait 5 minutes before you reconnect the power cable. If the blinking reoccurs, contact Philips TV Consumer Care.

TV switches off by itself

If the TV switches off suddenly, the setting Switch off timer might be switched on. With Switch off timer the TV switches off after 4 hours if no remote control signals were received. To avoid this automatic switch off, you can deactivate this switch off. Also, if the TV does not receive a TV signal nor a remote control command for 10 minutes, the TV switches off automatically.

Remote control

TV does not respond to the remote control

The TV requires some time to start up. During this time, the TV does not respond to the remote control or TV controls. This is normal behaviour.

If the TV continues to be unresponsive to the remote control, you can check if the remote control is working by means of a mobile phone camera. Put the phone in camera mode and point the remote control to the camera lens. If you press any key on the remote control and you notice the infra red LED flicker through the camera, the remote control is working. The TV needs to be checked.

If you do not notice the flickering, the remote control might be broken or its batteries are low. This method of checking the remote control is not possible with remote controls which are wirelessly paired with the TV.

Channels

No digital channels found during the installation

- Check the technical specifications to make sure that your TV supports DVB-T or in your country.
- Make sure that all cables are properly connected and that the correct network is selected.

Previously installed channels are not in the channel list

- Make sure that the correct channel list is selected.
-

Picture

No picture / distorted picture

- Make sure that the antenna is properly connected to the TV.
- Make sure that the correct device is selected as the display source.
- Make sure that the external device or source is properly connected.

Sound but no picture

- Make sure that the picture settings are set correctly.

Poor antenna reception

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

Poor picture from a device

- Make sure that the device is connected properly.
- Make sure that the picture settings are set correctly.

Picture settings change after a while

- Make sure that Location is set to Home. You can change and save settings in this mode.

A commercial banner appears

- Make sure that Location is set to Home. Picture does not fit the screen.
- Change to a different picture format. Picture format keeps changing with different channels.
- Select a non 'Auto' picture format.

Picture does not fit the screen

- Change to a different picture format.

Picture format keeps changing with different channels

- Select a non 'Auto' picture format.

Picture position is incorrect

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

Computer picture is not stable

- Make sure that your PC uses the supported resolution and refresh rate.
-

Sound

No sound or poor sound quality

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

- Make sure that the sound settings are correctly set.
 - Make sure that all cables are properly connected.
 - Make sure that the volume is not muted or set to zero.
 - Make sure that the TV audio output is connected to the audio input on the Home Theatre System.
 - Sound should be heard from the HTS speakers.
 - Some devices may require you to manually enable HDMI audio output. If HDMI audio is already enabled, but you still do not hear audio, try changing the digital audio format of the device to PCM (Pulse Code Modulation). Refer to the documentation accompanying your device for instructions.
-

HDMI

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

EasyLink does not work

- Make sure that your HDMI devices are HDMI-CEC compatible. EasyLink features only work with devices that are HDMI-CEC compatible.

No volume icon shown

- When a HDMI-CEC audio device is connected, this behaviour is normal.
-

USB

Photos, videos and music from a USB device do not show

- Make sure that the USB storage device is set to Mass Storage Class compliant, as described in the storage device's documentation.
- Make sure that the USB storage device is compatible with the TV.
- Make sure that the audio and picture file formats are supported by the TV.

Choppy playback of USB files

- The transfer performance of the USB storage device may limit the data transfer rate to the TV which causes poor playback.

19 Terms of Use

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The written material packaged with the TV and the manual stored in the memory of the TV or downloaded from the Philips website www.philips.com/support are believed to be adequate for the intended use of the system.

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. TPVision warrants that the material itself does not infringe any United States patents. No further warranty is expressed or implied. TPVision cannot be held responsible neither for any errors in the content of this document nor for any problems as a result of the content in this document. Errors reported to Philips will be adapted and published on the Philips support website as soon as possible.

Terms of 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 TV Customer Care for service or repairs. Find the telephone number in the printed documentation that came with the TV. Or consult our website www.philips.com/support and select your country if needed. 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/LED 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.

CE Compliance

Hereby, TPVision Europe B.V. declares that this television is in compliance with the essential requirements and other relevant provisions of Directives 2014/53/EU (RED), 2009/125/EC (Eco Design), 2010/30/EU (Energy Labelling) and 2011/65/EC (RoHS).

Compliance with EMF

TPVision 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 TPVision's 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 Electro Magnetic Field (EMF) standards applicable at the time of producing the products.

TPVision is committed to developing, producing and marketing products that cause no adverse health effects. TPVision confirms that, as long as its products are handled properly for their intended use, they are safe to use according to scientific evidence available today. TPVision plays an active role in the development of international EMF and safety standards, enabling TPVision to anticipate further developments in standardisation for early integration in its products.