

Register your product and get support at  
[www.philips.com/welcome](http://www.philips.com/welcome)

22PFA5403S/70

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EN User manual

**PHILIPS**



This electrical and electronic product contains some hazardous substances. You may be safe to use it during the environment-friendly use period, and please hand it over to recycle system after environment-friendly use period exceeded.

## **Suggestive description of the Recycling Administrative Regulations for Waste Electrical and Electronics Products**

In order to care and 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 electronics 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

2018©TPVision Europe B.V. All rights reserved. Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. or their respective owners. TPVision Europe B.V. 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. TPVision Europe B.V. warrants that the material itself does not infringe any United States patents. No further warranty is expressed or implied. TPVision Europe B.V. 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! 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 color pixels. Although it has effective pixels of 99.999% or more, black dots or bright points of light (red, green or blue) may appear constantly on the screen. This is a structural property of the

display (within common industry standards) and is not a malfunction.

## Copyright



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



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



This product is manufactured under license from Dolby Laboratories. Dolby, Dolby audio and the double-D symbol are registered 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.

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## Safety

### Risk of electric shock or fire!

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



- Never insert objects into the ventilation slots or other openings on the TV.
- When the TV is swivelled ensure that no strain is exerted on the power cord. Strain on the power cord can loosen connections and cause arcing.
- To disconnect the TV from the mains 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.
- The power plug serves as the power disconnection device and should be easily operable.

### 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. 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. TP Vision 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 a coin-type battery, which can be 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 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 matches room temperature before connecting the TV to the power outlet.

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## Screen care

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



Note

Stationary images may result in permanent damage to the TV screen.

- Do not display stationary images on the LCD screen for more than two hours as this may result in ghost images. To prevent this, reduce screen brightness and contrast.
- Viewing programs in the 4:3 format for extended periods of time may leave different traces on the left and right edges of the screen as well as along the borders

of the image. Avoid using this mode for extended periods of time.

- Displaying stationary images from video games or computers for an extended period of time may result in partial after-images and the appearance of ghost images caused by screen burn. Reduce screen brightness and contrast accordingly when using the TV in this way.

Ghost images, partial after-images, and other traces that appear on the TV screen as a result of the above are not covered by the warranty.

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## 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 2012/19/ EU. 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.

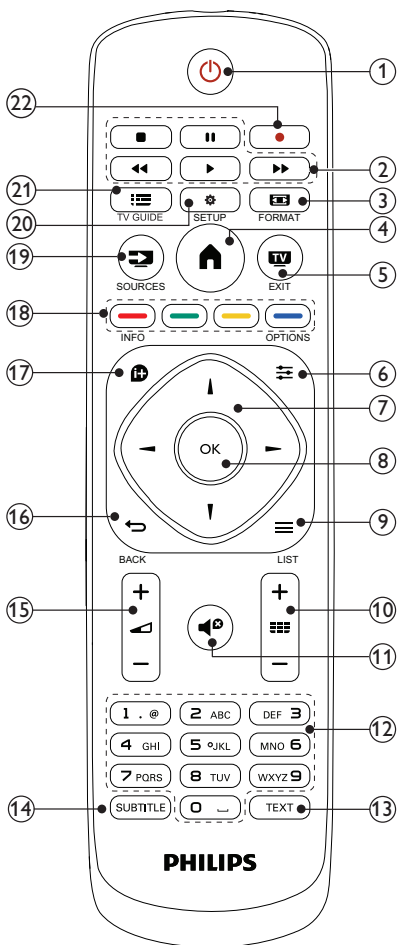


Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed of with normal household waste. Please inform yourself about the local rules on separate collection of batteries because correct disposal helps to prevent negative consequences for the environment and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

# 3 Your TV

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

## Remote Control



- ① **⏻ (Standby)**  
Switch the TV on or to standby.

- ② **Play buttons**  
Control multimedia playback.
- ③ **TV GUIDE**  
Change picture format.
- ④ **🏠 (Home)**  
Access or exit from the main menu and return to the previous menu.
- ⑤ **TV EXIT**  
Switches to TV.
- ⑥ **☰ OPTIONS**  
No function.
- ⑦ **▲▼◀▶ (Navigation buttons)**  
Navigate through menus and select items.
- ⑧ **OK**  
Confirm an entry or selection.
- ⑨ **☰ LIST**  
Access the TV channel list.
- ⑩ **CH +/- (Channel +/-)**  
Changes channels; scrolls up/down through the options in USB mode.
- ⑪ **🔇 (Mute)**  
Mute or restore audio.
- ⑫ **0-9 (Numeric buttons)**  
Select channel.
- ⑬ **TEXT**  
No function.
- ⑭ **SUBTITLE**  
Select the subtitles or audio track.
- ⑮ **+/- (Volume)**  
Adjust volume.
- ⑯ **↶ (Back)**  
Return to the previous menu or exit from a certain function, and switch to the previous channel or signal source.
- ⑰ **INFO**  
Display information about current activity.
- ⑱ **Color buttons**  
Control channel editing.
- ⑲ **SOURCES**

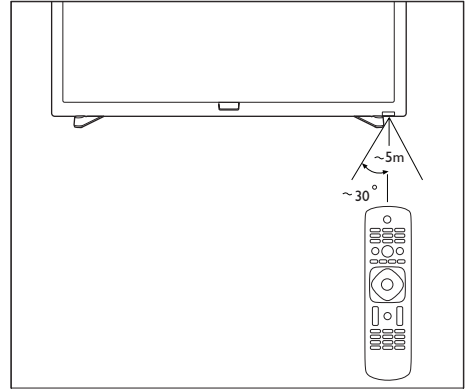
Select connected devices

- ⑳ **⚙️ SETUP**  
Accesses TV setup menu.
- ㉑ **📺 TV GUIDE**  
Accesses or exits the TV guide.
- ㉒ **● Red**  
No function.

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## 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.

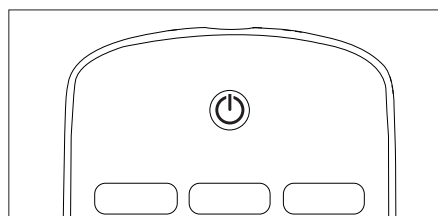
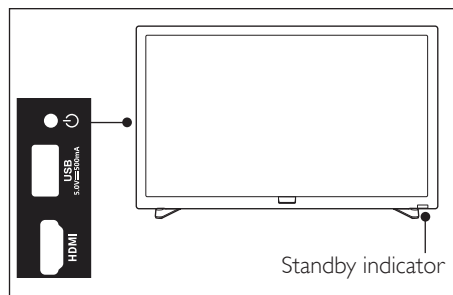




## 4 Use your TV

This section helps you perform basic TV operations.

### Switch TV on or off



#### To switch on

- Plug in the power plug.  
↳ If the standby indicator is red, press (Standby-On) on the remote control.

#### To switch to standby

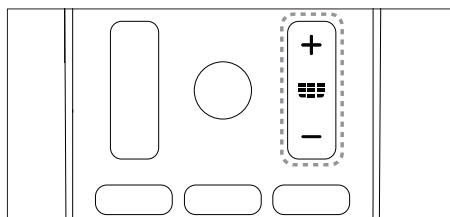
- Press (Standby-On) on the remote control.  
↳ The standby indicator switches to red.



Tip

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

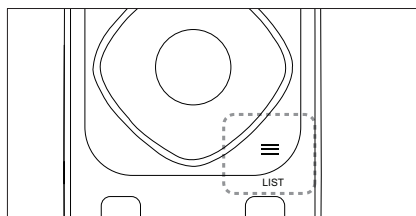
### Switch channels



- Press **CH +/-** on the remote control.
- Enter a channel number using the numeric buttons on the remote control.
- Press on the remote control to switch and return to the previous channel.

### View installed channel

You can view all available channels on the channel list.



- 1 Press **LIST**.  
↳ The channel list appears.
- 2 Press to select a channel and browse the channel list.
- 3 Press **OK** to watch the selected channel.
- 4 Press to switch to and resume the last watched channel.

### Watch connected devices

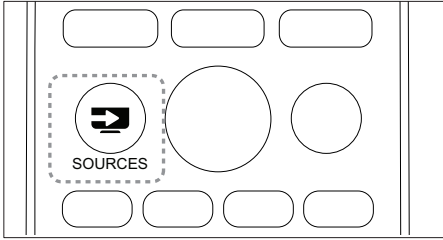





Note

- Switch on the device before selecting it as an external signal source.

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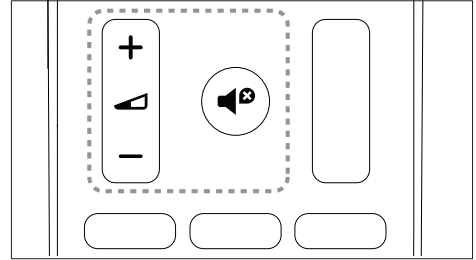
## Use the Sources button



- 1 Press  **SOURCES**.  
↳ The source list appears.
- 2 Press   to select a device.
- 3 Press **OK** to select.  
↳ The TV switches to the selected device.

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## Adjust TV volume



To increase or decrease volume

- Press **Volume Control +/-** on the remote control.

To mute or unmute sound

- Press  (**Mute**).
- Press  again to restore the sound.

# 5 Product information

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

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## Display resolutions

### Computer Formats

- Resolution - refresh rate:
  - 640 × 480 - 60Hz
  - 800 × 600 - 60Hz
  - 1024 × 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.

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## Multimedia

- Supported storage device: USB (only FAT 32 or NTFS USB storage devices are supported.)
- Compatible multimedia file formats:
  - Image: JPEG
  - Audio: MP3
  - Video: MPEG 2/MPEG 4 , H.264
  - Document: TXT

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## Audio Output Power

- 22PFA5403S/70: 3W × 2

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## Inherent resolution

- 22PFA5403S/70: 1920 × 1080

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## Tuner / Reception / Transmission

- Aerial input: 75ohm coaxial (IEC75)
- TV system: NTSC, SECAM, PAL
- Video playback: NTSC, SECAM, PAL

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## Remote Control

- Batteries: 2 × AAA (R03 type)

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## Power Supply

- Mains power: 110-240V, 50-60Hz
- Standby power: ≤ 0.5 W
- Ambient temperature: 5 to 40 degrees Celsius
- Power consumption:  
22PFA5403S/70: 30W

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## 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 5.5cm between the back of the TV to 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.

Model No.	Required Pixel Pitch (mm)	Required Mounting Screws
22PFA5403S/70	100	2 × M4 (Recommended length: 12 mm)

# 6 Troubleshooting

This section covers common problems and their accompanying solutions.

## General issues

### The TV cannot be switched on:

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

### The remote control is not working properly:

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

### The standby light on the TV is red and blinking:

- Disconnect the power cable from the power outlet. Wait for the TV to cool down before reconnecting the power cable. If the light continues to blink, please contact Philips Customer Care Centre.

### You forgot the code to unlock the TV lock feature

- Enter '3448'.

### The TV menu is in the wrong language.

- Change the TV menu to your preferred language.

### When turning the TV On/Off or to Standby, you hear a creaking sound from the TV chassis:

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

## Channel issues

### Previously installed channels do not appear in the channel list:

- Check that the correct channel list is selected.

## Picture issues

### The TV is on, but there is no picture:

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

### There is sound but no picture:

- Check that the picture settings are correctly set.

### Poor TV reception from the 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 the reception on one particular channel is poor, please 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 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. Please check the signal output of the device.

## Sound issues

### The pictures are showing but sound quality is poor:

#### Note

- If no audio signal is detected, the TV automatically switches the audio output off - this does not indicate malfunction.
- Check that all cables are properly connected.
- Check that the volume is not set to 0.

- Check that the sound is not muted.
- Check that the sound settings are correctly set.

**The pictures are showing but sound comes from one speaker only:**

- Verify that sound balance is set to the centre.

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## HDMI connection issues

**There are problems with HDMI devices:**

- Please note that HDCP (High-bandwidth Digital Content Protection) support can delay the time taken for a TV to display content from a HDMI device.
- If the TV does not recognise the HDMI device and no picture is displayed, please try switching the signal source to another device before switching it back again.
- If there are intermittent sound disruptions, please check that output settings from the HDMI device are correct.
- If you are using a HDMI to DVI adapter or cable, please check if the audio cable that comes with the product is connected to AUDIO (only for mini jacks).

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## Computer connection issues

**The computer display on the TV is not stable:**

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

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## Contact us

If you cannot resolve your problem, please refer to the FAQs for this model at [www.philips.com/support](http://www.philips.com/support).

If the problem remains unresolved, please contact your local Philips Customer Service Centre.

### Warning

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

### Note

- Please make a note of your TV model and serial number before you contact Philips Customer Service Centre. These numbers are printed on the back/bottom of the TV and on the packaging.

# 7 Warranty

**English**  
Warranty

**Indonesia**  
Jaminan

**简体中文**  
保修

**Malay**  
Waranti

**Deutsch**  
Garantie

**ไทย**  
การรับประกัน

**繁體中文**  
保養

**Français**  
Garantie

**Tiếng Việt**  
Bảo hành

**العربية**  
الضمان

## English - Guarantee

Dear Customer,  
Thank you for purchasing this Philips product. For the Philips warranty applicable to this product, we refer you to the Philips website [www.philips.com/guarantee](http://www.philips.com/guarantee). In the event you do not have an internet connection, please contact your local Philips Consumer Care Centre. Contact details are given in the Consumer Care Centres list hereafter.

## Deutsch - Garantie

Sehr geehrter Kunde, wir beglückwünschen Sie zu Ihrer Entscheidung für dieses Produkt von Philips. Nähere Informationen zu der für dieses Produkt geltenden Philips Garantie finden Sie im Internet unter [www.philips.com/guarantee](http://www.philips.com/guarantee). Die durch Philips gewährte Garantie beeinträchtigt in keiner Weise Ihre gesetzlichen Rechte. Sofern Sie keinen Zugang zum Internet haben, wenden Sie sich bitte an Ihr Philips Info-Center vor Ort. Die entsprechenden Kontaktdaten entnehmen Sie bitte der nachstehenden Liste.

## Français - Garantie

Cher client,  
Merci d'avoir acheté ce produit Philips. Pour connaître les conditions de garantie Philips applicables à ce produit, reportez-vous à la page [www.philips.com/guarantee](http://www.philips.com/guarantee). Si vous ne possédez pas de connexion Internet, contactez votre Service Consommateurs Philips local. Vous trouverez les coordonnées de tous les Services Consommateurs dans la liste ci-après. Ces informations étaient correctes à la date d'impression. Pour des informations à jour, consultez la page [www.philips.com/support](http://www.philips.com/support).

## Indonesia - Jaminan

Pelanggan yang terhormat,  
Terima kasih telah membeli produk Philips. Untuk mendapatkan jaminan produk ini, kunjungi situs Web Philips di [www.philips.com/guarantee](http://www.philips.com/guarantee). Jika Anda tidak memiliki sambungan Internet, hubungi Pusat Layanan Pelanggan Philips setempat. Rincian kontak tercantum dalam daftar Pusat Layanan Pelanggan.

## ไทย - การรับประกัน

เรียนลูกค้า  
ขอขอบคุณที่เลือกซื้อผลิตภัณฑ์ของ Philips สำหรับการรับประกันที่มีผลบังคับใช้กับผลิตภัณฑ์นี้ โปรดอ้างอิงเว็บไซด์ของ Philips [www.philips.com/guarantee](http://www.philips.com/guarantee) ในการนี้ที่คุณไม่มีอินเทอร์เน็ต โปรดติดต่อศูนย์บริการลูกค้า Philips ประจำท้องถิ่นของคุณ รายละเอียดการติดต่อจะแสดงอยู่ในรายชื่อศูนย์บริการลูกค้าต่อไป

## Tiếng Việt - Bảo hành

Kính gửi Quý khách hàng,  
Cảm ơn quý vị đã mua sản phẩm Philips này. Để biết bảo hành của Philips có thể áp dụng cho sản phẩm này, chúng tôi xin giới thiệu trang web của Philips [www.philips.com/guarantee](http://www.philips.com/guarantee). Trong trường hợp quý vị không có kết nối internet, vui lòng liên hệ với Trung tâm Chăm sóc Khách hàng của Philips tại địa phương. Chi tiết liên hệ được cung cấp trong danh sách Trung tâm Chăm sóc Khách hàng sau đây.

## 简体中文 - 保证

尊敬的客户：  
感谢您购买此 Philips 产品。有关适用于此产品的 Philips 保修信息，建议您访问 Philips 网站：[www.philips.com/guarantee](http://www.philips.com/guarantee)。如果您无法访问 Internet，请联系您当地的 Philips 客户服务中心。将来，我们会在客户服务中心列表中提供详细联系信息。

## 繁體中文 - 保證

親愛的客戶，您好：  
多謝您購買本飛利浦產品。有關適用於本產品的飛利浦保養詳情，請瀏覽飛利浦網站：[www.philips.com/guarantee](http://www.philips.com/guarantee)。如您未能連線至互聯網，請與您當地的飛利浦消費者保養中心聯絡。聯絡詳情已詳列於之後的消費者保養中心清單中。

## العربية

### الضمان

عزيزي العميل،  
شكرا لكم على شراء هذا المنتج من Philips. لمعرفة شروط ضمان Philips الذي ينطبق على هذا المنتج، راجع موقع [www.philips.com/guarantee](http://www.philips.com/guarantee). في حال لم يكن لديك اتصال بالإنترنت، يرجى الاتصال برفق مركز خدمة العملاء المحلي لشركة Philips. يمكن معرفة تفاصيل الاتصال من قائمة مراكز خدمة العملاء فيما يلي.

## Ingggeris-Jaminan

Pelanggan yang dihormati,  
Terima kasih kerana membeli produk Philips. Bagi waranti Philips yang terpakai untuk produk ini, kami merujuk anda kepada laman web Philips [www.philips.com/guarantee](http://www.philips.com/guarantee). Sekiranya anda tidak mempunyai sambungan Internet, sila hubungi Pusat Layanan Pelanggan Philips tempatan anda. Butiran kenalan diberikan dalam senarai Pusat Layanan Pelanggan selepas ini.





User Manual



FAQ



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