

# Always there to help you

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



SUB100



# User manual

# PHILIPS







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# 1 Important

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

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## Help and support

For extensive online support, visit [www.philips.com/support](http://www.philips.com/support) to:

- download the user manual and the quick start guide
- watch video tutorials (available only for selected models)
- find answers to frequently answered questions (FAQs)
- email us a question
- chat with our support representative.

Follow the instructions on the website to select your language, and then enter your product model number.

Alternatively, you can contact Consumer Care in your country. Before you contact, note down the model number and serial number of your product. You can find this information on the back or bottom of your product.

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## Safety

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

- Never expose the product and accessories to rain or water. Never place liquid containers, such as vases, near the product. If liquids are spilt on or into the product, disconnect it from the power outlet immediately. Contact Consumer Care to have the product checked before use.
- Never place the product and accessories near naked flames or other heat sources, including direct sunlight.

- Never insert objects into the ventilation slots or other openings on the product.
- Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- Disconnect the product from the power outlet before lightning storms.
- When you disconnect the power cord, always pull the plug, never the cable.

### **Risk of short circuit or fire!**

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

### **Risk of injury or damage to this product!**

- For wall-mountable products, use only the supplied wall mount bracket. Secure the wall mount to a wall that can support the combined weight of the product and the wall mount. WOOX Innovations bears no responsibility for improper wall mounting that results in accident, injury or damage.
- Never place the product or any objects on power cords or on other electrical equipment.
- If the product is transported in temperatures below 5°C, unpack the product and wait until its temperature matches room temperature before connecting it to the power outlet.
- Parts of this product can be made of glass. Handle with care to avoid injury and damage.

### **Risk of overheating!**

- Never install this product in a confined space. Always leave a space of at least four inches around the product for ventilation. Ensure curtains or other objects never cover the ventilation slots on the product.





This is CLASS II apparatus with double insulation, and no protective earth provided.

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## Care for your product

Use only microfiber cloth to clean the product.

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## Care of the environment

### Disposal of your old product



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



This symbol on a product means that the product is covered by European Directive 2012/19/EU. Inform yourself about the local separate collection system for electrical and electronic products. Follow local rules and never dispose of the product with normal household waste. Correct disposal of old products helps prevent negative consequences for the environment and human health.

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## Compliance

# C € 0560

This product complies with the radio interference requirements of the European Community.

Hereby, WOOX Innovations declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. You can find the Declaration of Conformity on [www.p4c.philips.com](http://www.p4c.philips.com).



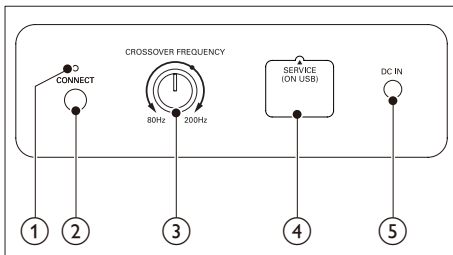
## 2 Your Subwoofer

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

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### Overview

This section includes an overview of the wireless subwoofer.



- ④ **USB cover**  
Only for Consumer Care personnel to upgrade software. (Consumers are not encouraged to open it.)
- ⑤ **DC IN**  
Connect to the AC power adaptor.

- ① **Subwoofer indicator**
  - When the power is turned on, the indicator lights up.
  - During wireless pairing between the subwoofer and your TV, the indicator blinks white quickly.
  - When the pairing succeeds, the indicator lights up white.
  - When the pairing fails, the indicator blinks white slowly.
  - When wireless connection is disconnected for one minute, the indicator turns off.
- ② **CONNECT (connect)**  
Press and hold to enter the pairing mode for the subwoofer.
- ③ **CROSSOVER FREQUENCY (crossover frequency)**  
Rotate to adjust the crossover frequency.



# 3 Connect and set up

This section helps you connect your wireless subwoofer to a Philips branded TV, and then set it up.

For information about the basic connections of your wireless subwoofer, see the quick start guide.

## Note

- For identification and supply ratings, see the type plate at the back or bottom of the product.
- Before you make or change any connections, make sure that all devices are disconnected from the power outlet.

## Place subwoofer

See the quick start guide on how to place the wireless subwoofer .

- 1 Place SUB100 on the floor:
  - If you place the subwoofer vertically, install the supplied foot stand to prevent instability of the subwoofer.
  - Place the subwoofer at least 1 meter (3 feet) away from your TV, and 10 centimeters away from the wall.

## Pair up with the TV

### Note

- The wireless subwoofer can pair with a Philips branded TV.
- The maximum distance between the TV and the wireless subwoofer is 5 meters.

For the first time use, manually pair the wireless subwoofer with the TV.

- 1 Plug in the provided USB dongle to the TV.

- 2 Switch on the subwoofer.
- 3 Press and hold **CONNECT** (connect) button on the subwoofer to enter the pairing mode.
  - ↳ The indicator on the subwoofer blinks white quickly.
- 4 Switch on the TV and enter **⬆** (home menu).
- 5 Select **[Setup]** (setup) and press **[OK]** (ok).
- 6 Select **[TV settings]** (TV settings) > **[Sound]** (Sound) > **[Wireless sound]** (Wireless sound) > **[Add new speaker]** (Add new speaker).
- 7 Follow the instructions on screen and pair the wireless subwoofer with the TV and the TV will store the connection.
  - ↳ If the pairing succeeds, the indicator on the subwoofer lights up white.
  - ↳ If the pairing fails, the indicator on the subwoofer blinks white slowly.
- 8 If the pairing fails, repeat steps above.

## Subwoofer settings

Compared with the volume of the TV, you can slightly increase or decrease the volume of the subwoofer.

- 1 On the TV, enter **⬆** (home menu).
- 2 Select **[Setup]** (setup) and press **[OK]** (ok).
- 3 Select **[TV settings]** (TV settings) > **[Sound]** (sound) > **[Wireless sound]** (wireless sound) > **[Audio output offset]** (audio output offset).
- 4 Use the up / down keys to adjust.



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## Adjust the crossover frequency

You can adjust the crossover frequency to integrate the subwoofer to the TV speakers seamlessly.

- 1** Rotate the **CROSSOVER FREQUENCY** knob to adjust the crossover frequency.



Tip

- Adjust the crossover frequency to optimize the sound effect (the closer to the listener; the lower frequency value is).

## 4 Product specifications




Note

- Specifications and design are subject to change without notice.

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### Subwoofer

- Power supply:
  - Model (Philips branded AC power adapter): DYS602-210309W; AS650-210-AA309
  - Input: 100-240 V~, 50-60 Hz 1.5 A
  - Output: 21V , 3.09A
- Standby power consumption: ≤ 0.5 W
- Output power: 50 W (+/- 0.5 dB, 10% THD)
- Impedance: 4 ohm
- Speaker drivers: 165 mm (6.5") woofer
- Crossover frequency range: 80 Hz - 200 Hz
- Dimensions (W x H x D): 730 x 83 x 330 mm
- Weight: 6.15 kg

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### Philips TV compatibility list

4K Ultra	58PUK6809/12, 58PUS6809/12,
HD TV	55PUS7809/12, 55PUK7809/12,
	50PUS6809/12, 50PUK6809/12,
	49PUS7809/12, 49PUK7809/12,
	42PUS7809/12, 42PUK7809/12,
	40PUS6809/12, 40PUK6809/12

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Full HD TV	65PFS7559/12, 65PFS6659/12, 65PFS5909/12, 65PFK5909/12, 55PFS7509/12, 55PFS7199/12, 55PFS7189/12, 55PFS7109/12, 55PFS6909/12, 55PFS6609/12, 55PFS6409/12, 55PFS5709/12, 55PFS6909/12, 55PFS6609/12, 55PFS6409/12, 55PFS5709/12, 55PFK7509/12, 55PFK7199/12, 55PFK7189/12, 55PFK7179/12, 55PFK7109/12, 55PFK6989/12, 55PFK6959/12, 55PFK6949/12, 55PFK6909/12, 55PFK6609/12, 55PFK6589/12, 55PFK6559/12, 55PFK6549/12, 55PFK6409/12, 55PFK5709/12, 55PFH6609/88, 48PFS6909/12, 48PFS6719/12, 48PFS6609/12, 48PFS6409/12, 48PFS5709/12, 48PFK6989/12, 48PFK6959/12, 48PFK6949/12, 48PFK6909/12, 48PFK6719/12, 48PFK6609/12, 48PFK6409/12, 48PFK5709/12, 48PFH6609/88, 47PFS7509/12, 47PFS7199/12, 47PFS7189/12, 47PFS7109/12, 47PFK7509/12, 47PFK7199/12, 47PFK7189/12, 47PFK7179/12, 47PFK7109/12, 47PFK6589/12, 47PFK6559/12, 47PFK6549/12, 42PFS7509/12, 42PFS7189/12, 42PFS7109/12, 42PFK7509/12, 42PFK7199/12, 42PFK7189/12, 42PFK7179/12, 42PFK7109/12, 42PFK6589/12, 42PFK6559/12, 42PFK6549/12, 40PFS6909/12, 40PFK6989/12, 40PFK6959/12, 40PFK6949/12, 40PFK6909/12, 40PFS6719/12, 40PFS6609/12, 40PFS6409/12, 40PFS5709/12, 40PFK6719/12, 40PFK6609/12, 40PFK6409/12, 40PFK5709/12, 40PFH6609/88, 32PFS7509/12, 32PFK6509/12, 32PFK5709/12
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## 5 Troubleshooting



### Warning

- Risk of electric shock. Never remove the casing of the product.

To keep the warranty valid, never try to repair the product yourself.

If you have problems using this product, check the following points before you request service. If you still have a problem, get support at [www.philips.com/support](http://www.philips.com/support).

## Connection

### Lost connection.

- Position the wireless subwoofer within a range of 5 meters from the TV.

### My TV fails to search for SUB100 when I try to connect.

- Make sure that your TV has been upgraded with the latest software.

## Sound

### No sound from the wireless subwoofer.

- Check the connection status of the wireless subwoofer (see 'Pair up with the TV' on page 5).

### Echo.

- If you place the wireless subwoofer behind you, adjust the crossover frequency to a lower level and get a better sound balance.





Specifications are subject to change without notice

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