



# Smart Home

## User manual

(AEH2900, AEH2110, AEH2120, AEH2130, AEH2310)



# Contents

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<b>1</b>	<b>Important safety instructions</b>	<b>3</b>
	Safety	3
	Important Safety Instructions	3
	Compliance	4
	Care of the environment	5
	Notice	5
	Written Offer	6
<hr/>		
<b>2</b>	<b>Overview</b>	<b>7</b>
	Motion sensor	7
	Door and window sensor	7
	Temperature and humidity sensor	8
	Intelligent switch	9
	Status indicator	9
<hr/>		
<b>3</b>	<b>Setup</b>	<b>11</b>
	Join your Smart Home network	11
	Install or replace batteries	12
	Plug the Intelligent switch	14
	Reset	15
	Reset network connection	15
	Restore factory settings	16
<hr/>		
<b>4</b>	<b>Place</b>	<b>18</b>

Place the Motion sensor	18
Find a right location	18
Use the mounting kit	18
Use the adhesive tape	19
Place the Door and window sensor	20
<hr/>	
<b>5 Use</b>	<b>23</b>
Philips Smart Home app	23
Manage devices	24
Set the device	24
Check device status	24
Delete the device	25
Set the rules of home automation	26
Set the trigger	26
Set the action	26
Edit the rules	27
Access the devices remotely	28
<hr/>	
<b>6 Check for updates</b>	<b>29</b>
<hr/>	
<b>7 Technical data</b>	<b>30</b>
Sensors (for indoor use only)	30
Motion sensor	30
Door and window sensor	30
Temperature and humidity sensor	30
Intelligent switch	30

# 1 Important safety instructions

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## Safety



### CAUTION: For INDOOR USE ONLY!

DO NOT use this Intelligent switch with non-resistive loads, such as motors, compact fluorescent light (CFL) bulbs or fluorescent lighting. To reduce the risk of electric shock, this Intelligent switch has a third (grounding) pin. As a grounding type plug, this Intelligent switch only fits into a grounding type power outlet. Make sure that you use this Intelligent switch with a grounding type power outlet that has been properly installed by a qualified electrician.

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## Important Safety Instructions

- ① Read these instructions.
- ② Keep these instructions.
- ③ Heed all warnings.
- ④ Follow all instructions.
- ⑤ Clean only with dry cloth.
- ⑥ The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
  - Perchlorate Material - special handling may apply. See [www.dtsc.ca.gov/hazardouswaste/perchlorate](http://www.dtsc.ca.gov/hazardouswaste/perchlorate).
- ⑦ This product shall not be exposed to dripping or splashing.

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# Compliance



Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## **Notice for the USA**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Relocate the receiving antenna.
- Increase the separation between equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The set complies with the FCC-Rules, Part-15. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

## **Notice for Canada**

CAN ICES-3(B)/NMB-3(B)

This device complies with Industry Canada license-exempt RSS standard(s): Operation is subject to the following Two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

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## Care of the environment

### Environmental information

All unnecessary packaging has been omitted. We have tried to make the packaging easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet.)

Your system consists of materials which can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, and old equipment.

### Disposal of your old product and battery



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

This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or visit [www.recycle.philips.com](http://www.recycle.philips.com).

This product contains batteries:

- Dispose of batteries properly. Do not incinerate. Batteries may explode if overheated.
- Do not wrap in metal or aluminum foil. Wrap in newspaper before discarding.
- It is suggested that you contact your local town or city to determine proper battery redemption site(s) in your area.
- Please visit [www.call2recycle.org](http://www.call2recycle.org) for additional information on a recycling center in your area for rechargeable batteries.

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## Notice

### Disclaimer

- Your use of **Philips Smart Home** is at your sole risk. Gibson Innovations and its subsidiary companies (individually and collectively "Gibson Innovations") are not responsible for the operation of such **Philips Smart Home** or your use thereof and Gibson Innovations shall have no liability to you related thereto.

- The sensors and/or Intelligent switch are intended as an aid. They are not substitutes for home security supervision and should not be used as such.

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## Written Offer

Gibson Innovations hereby offers to deliver, upon request, a copy of the complete corresponding source code for the copyrighted open source software packages used in this product for which such offer is requested by the respective licenses. This offer is valid up to three years after product purchase. To obtain source code, please contact [open.source@philips.com](mailto:open.source@philips.com). If you prefer not to use email or if you do not receive confirmation receipt within a week after mailing to this email address, please write to Open Source Team, Gibson Innovations Limited, 5/F, Philips Electronics Building, 5 Science Park East Avenue, Hong Kong Science Park, Shatin, New Territories, Hong Kong. If you do not receive timely confirmation of your letter, please email to the email address above.

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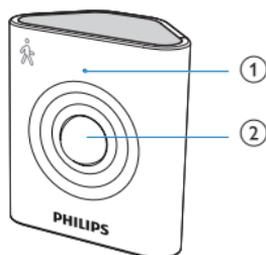
## 2 Overview

With the Smart Home devices and **Philips Smart Home** app, you can have the changes at your home monitored, and set rules to have the connected home appliance powered on or off automatically according to the changes.

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### Motion sensor

The Motion sensor detects the movement of people at home.



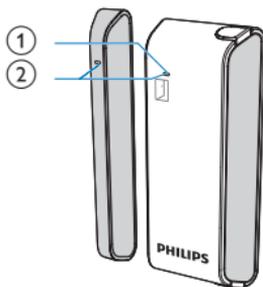
**AEH2110**

- ① Status indicator
- ② Detection lens

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### Door and window sensor

The Door and window sensor detects the opening/closing of door or window at home.



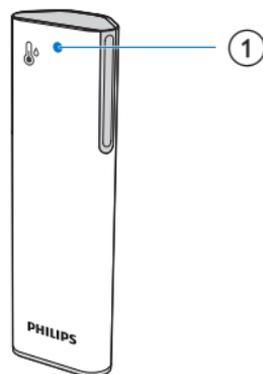
AEH2120

- ① Status indicator
- ② Alignment mark

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## Temperature and humidity sensor

The Temperature and humidity sensor detects the temperature and humidity at home.

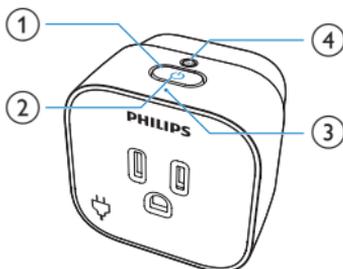


AEH2130

- ① Status indicator

## Intelligent switch

The Intelligent switch powers on or off the connected appliance at home.



AEH2310

- ① Power on/off
- ② Power indicator
- ③ Status indicator
- ④ Setup button

## Status indicator

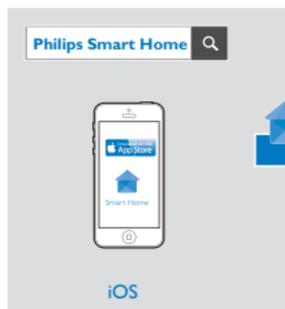
Indicator	Status of the device
<b>Start-up</b>	
From amber to red	Ready for pairing (for a device that has never been paired with the Bridge, or a device that has been restored to factory settings)
Flashing amber	Ready for re-joining (for a device that has been paired with the Bridge before)
<b>Operation</b>	

Solid green for less than one second	An event that triggers notifications happens.
Flashing red	Disconnected
Flashing red and green alternately	Firmware updating underway
<b>Low battery</b>	
Solid red for three seconds, and then, flashing red	Battery to be replaced

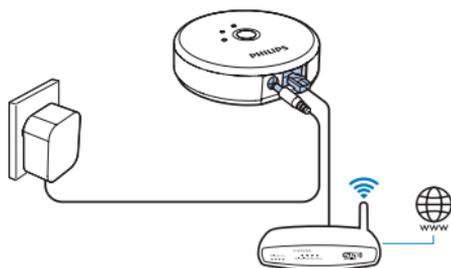
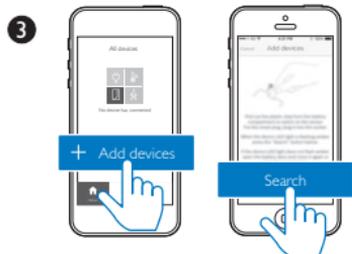
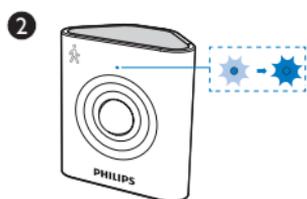
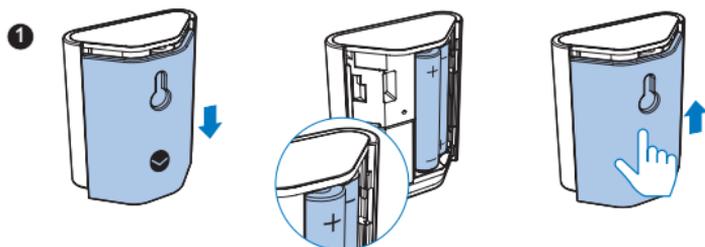
# 3 Setup

## Join your Smart Home network

- 1 On your mobile device, download and install the **Philips Smart Home** app.



- 2 Follow the onscreen instructions to get connected to the Bridge.
- 3 Follow the onscreen instructions to add your Smart Home devices to the Bridge. For setup, bring the Smart Home device as close to the Bridge as possible.
  - ① **Install the batteries.** Push to close the battery door. On the Intelligent switch, press the power button to switch on.
  - ② **Don't release the battery door until the status indicator turns from amber to red.** On the Intelligent switch, press and hold the setup button until the status indicator turns from amber to red.
  - ③ **On the Philips Smart Home app, press the Search button.**  
↳ When the status indicator lights up in green, pairing starts.



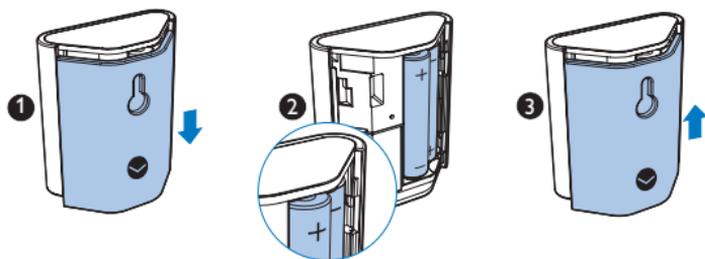
#### Note

- The device exits the pairing mode after three minutes. To re-enter the pairing mode, open the battery door and close it as described in Step 3.

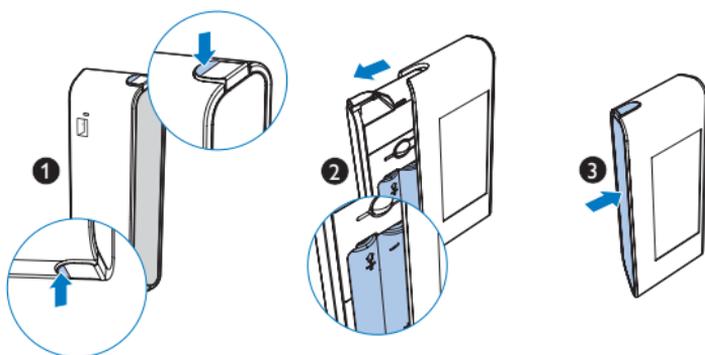
## Install or replace batteries

To install or replace batteries on your Smart Home devices, do the following:

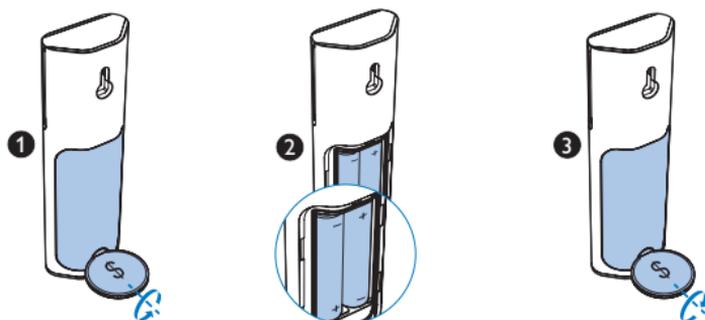
## Motion sensor



## Door and window sensor



## Temperature and humidity sensor

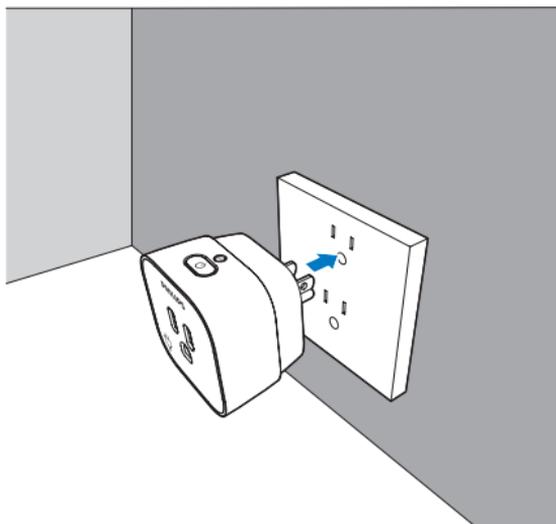


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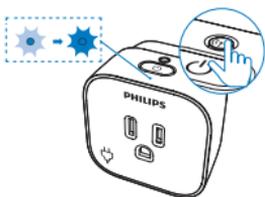
## Plug the Intelligent switch

To add the Intelligent switch to the Bridge, do the following:

- 1 Insert the Intelligent switch into a power outlet properly.



- 2 Press and hold the Setup button until the status indicator turns from amber to red.



# Reset

## Reset network connection

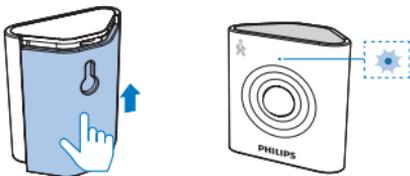
Reset the network connection when:

- a device re-joins the Smart Home network after the batteries are replaced.
- there are connection problems with the Smart Home network.

Indicator	Status of the device
flashing red	Network connection lost

On the sensor, do the following:

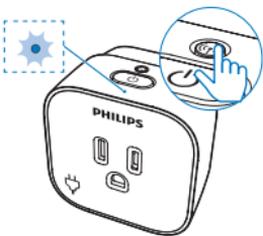
- 1 Open the battery door.
- 2 Push to close the battery door. Release the door when the status indicator flashes in amber.



- 3 With the **Philips Smart Home** app, add the device to the Bridge (see 'Join your Smart Home network' on page 11).

On the Intelligent switch, do the following:

- 1 Press and hold the Setup button until the status indicator flashes in amber.



- 2 With the **Philips Smart Home** app, add the device to the Bridge (see 'Join your Smart Home network' on page 11).

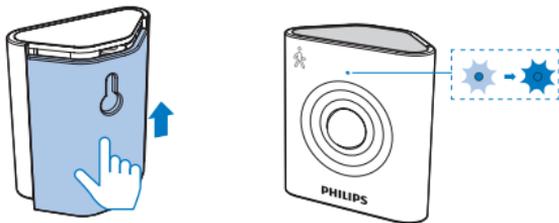
## Restore factory settings

Restore factory settings when:

- you want to connect your device to another Bridge.

**On the sensor**, do the following:

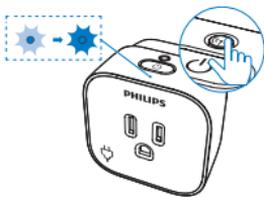
- 1 Delete the device from the Bridge (see 'Delete the device' on page 25).
- 2 Open the battery door.
- 3 Push to close the battery door. Don't release the door until the status indicator turns from amber to red.



- 4 With the **Philips Smart Home** app, add the device to the Bridge (see 'Join your Smart Home network' on page 11).

**On the Intelligent switch**, do the following:

- 1 Delete the device from the Bridge (see 'Delete the device' on page 25).
- 2 Press and hold the Setup button until the status indicator turns from amber to red.



- 3 With the **Philips Smart Home** app, add the device to the Bridge (see 'Join your Smart Home network' on page 11).



## Tip

- If you press and hold the setup button for more than six seconds, the status indicator turns off. To restore factory settings, re-do Step 1.

## 4 Place

- Use the Smart Home devices in an indoor environment.
- Keep such devices from exposure to moisture, direct sunlight, or excessive heat.
- To ensure good connection, check the distance and obstacles, such as walls, between the Bridge and devices.

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### Place the Motion sensor

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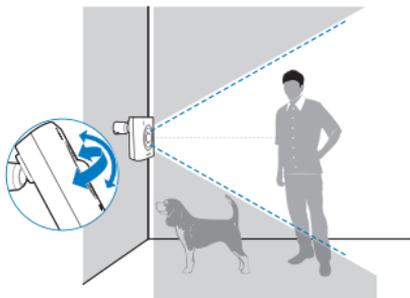
#### Find a right location

- Select a location where a person is expected to cross the range of detection.
- To avoid false detection events, select a location where the height and angle are right to keep non-people objects out of detection, such as pets.
- Avoid locations that are exposed to sources of heat, such as a heater or radiator; or sources of strong air drafts, such as fans or air conditioners.

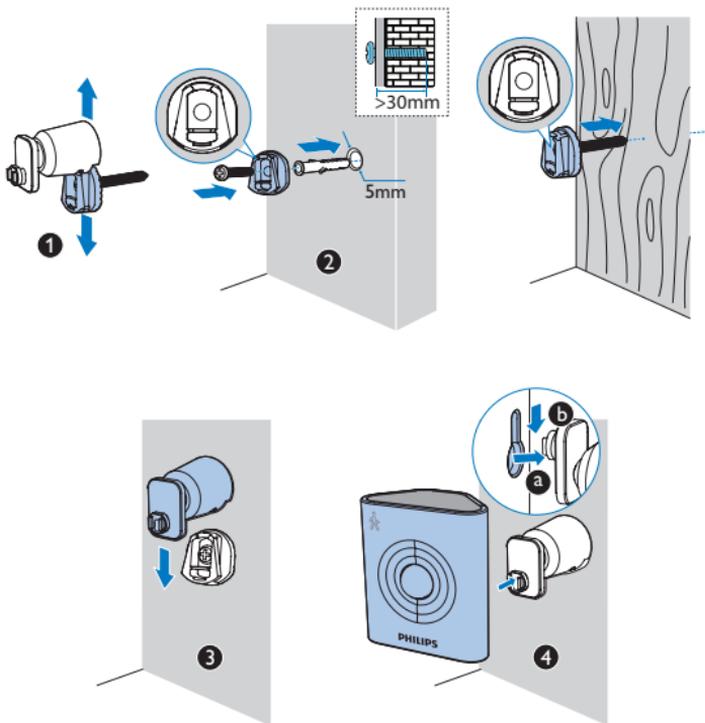
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#### Use the mounting kit

With the supplied mounting kit for motion sensor; you can adjust the angle of view through the ball joint.



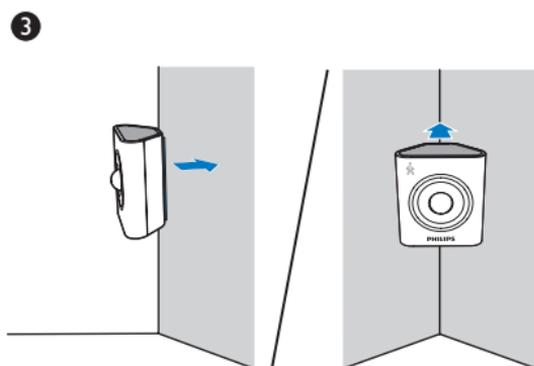
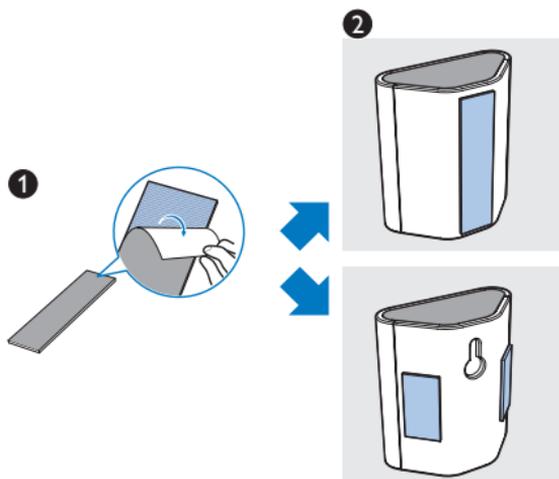
To use the supplied mounting kit, do the following:



- In Step 2, use the screw holder for a concrete wall or surface. For a wooden surface, you can use the screw only.

## Use the adhesive tape

You can also use the adhesive tape to mount the sensor as needed.

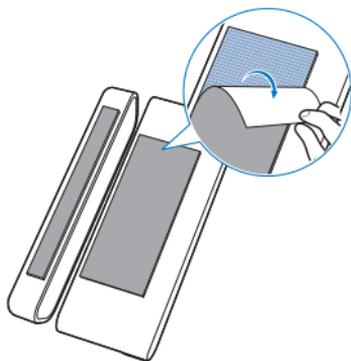


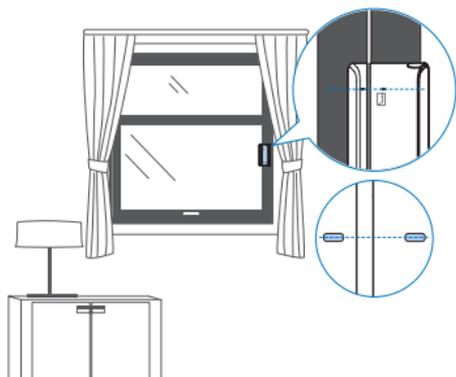
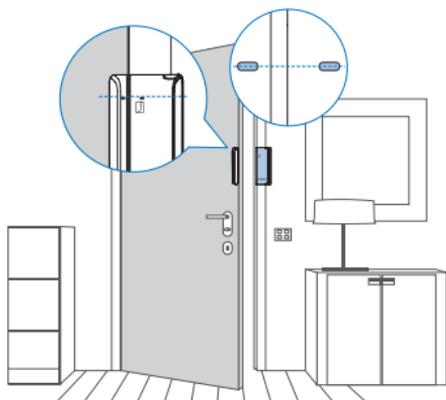
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## Place the Door and window sensor

- Avoid the exposure to moisture and direct sunlight.
- Use the alignment marks to align the two components.
- Mount the two components securely just in case any one of them may drop during movement.

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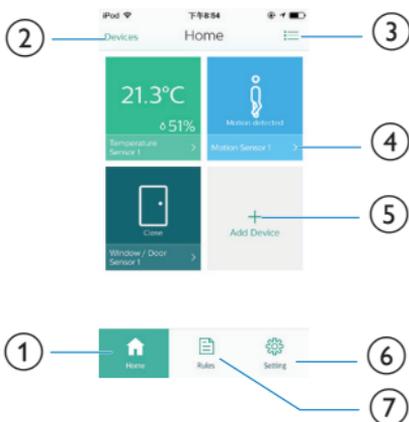




# 5 Use

## Philips Smart Home app

Through the **Philips Smart Home** app you can set up the Smart Home devices, set rules of home automation, and continue to monitor changes and control the devices on a mobile device while you are away from home.



- 1 Go to the Home screen.
- 2 Find connected devices by type or location.
- 3 Display connected devices in a view of grid or list.
- 4 Set the device.
- 5 Add a device.
- 6 Go to the settings menu.
- 7 Set or edit the rules of home automation.

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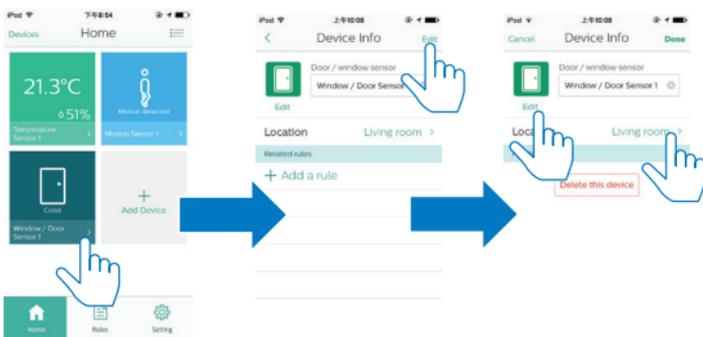
## Manage devices

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### Set the device

You can edit the device information by attaching a photo and naming the location.

- On the Home screen, tap the device to edit the device information.
- For the Motion sensor, select the sensitivity level as needed.

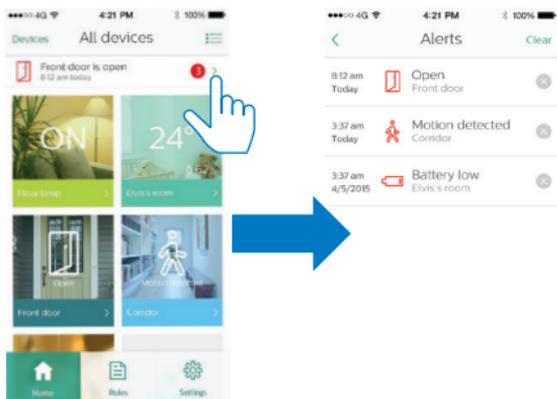


- You can select the unit of measurement for the Temperature and humidity sensor, Fahrenheit degree or Celsius degree. From the Home screen, tap **Unit**.

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### Check device status

Go to the Home screen to check the status of devices. The list of events is displayed at the top.



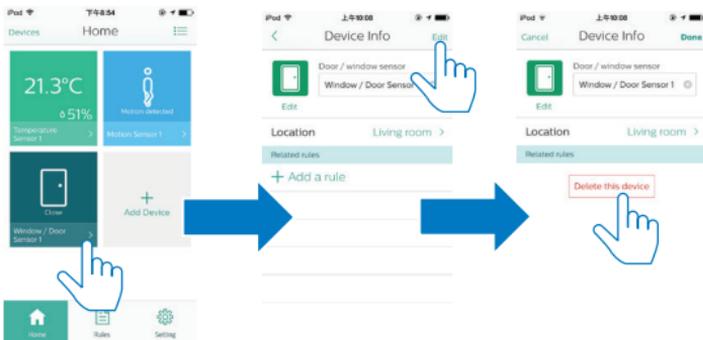
## Delete the device

Delete the device when:

- you want to remove the device from the Bridge.
- you want to restore the factory settings of the device. (see 'Restore factory settings' on page 16)

1 From the Home Screen, select the device.

2 Tap the option to delete the device.



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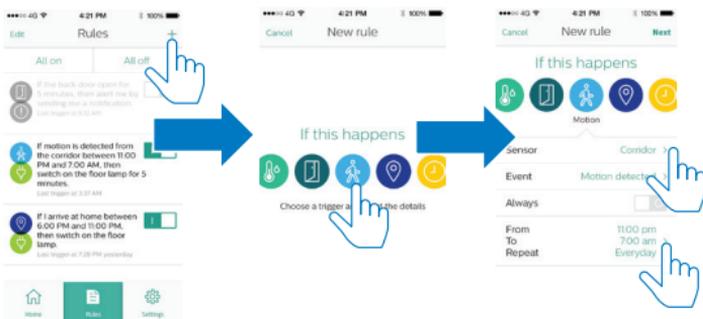
## Set the rules of home automation

To set a rule of home automation, set an event or time/ location as trigger. Then, set an action that is associated with the trigger.

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### Set the trigger

- 1 From the Home screen, go to . Tap to create a rule.
- 2 Tap a icon to set a trigger.
  - A trigger can be an event detected by your Smart Home device, or time or location detected by your mobile device.



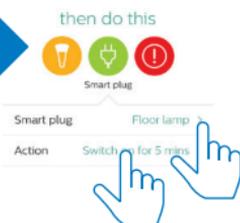
- To set a location as trigger; you can also go to from the Home screen and select **Geofencing**.

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### Set the action

- Tap a icon to set an action.

An action can be power on/ off of the home appliance that has been plugged into the Intelligent switch, or the push notification that you receive on your mobile device when the event happens, or on/ off of the connected light bulbs according to the scene that you have set.



## Edit the rules

- From the Home screen, tap . Select a rule to edit or delete it.

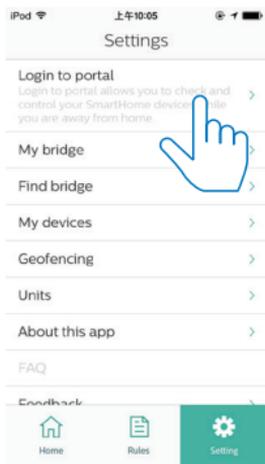


Delete this rule



## Access the devices remotely

To access your Smart Home devices remotely, log in to the portal. The first time you log in to the portal, create your account.



## 6 Check for updates

For updates of your Smart Home devices and the **Philips Smart Home** app, you can receive messages on your mobile device. Follow the onscreen instructions to complete the updating.

# 7 Technical data

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## Sensors (for indoor use only)

### Power

- Two AAA alkaline batteries

### Connectivity

- Zigbee
- 

## Motion sensor

### Detection method

- Passive Infra red
- 

## Door and window sensor

### Operating temperature & humidity

- 32°F to 104°F (0°C to 40°C), 10% to 90%
- 

## Temperature and humidity sensor

### Operating temperature & humidity

- **Temperature:** 32°F to 104°F (0°C to 40°C)
  - **Humidity:** 10% to 95%
- 

## Intelligent switch

### Grounding type power plug (for indoor use only)

- Model: AEH2310/37  
Output: AC 120 V~ 60 Hz, 15 A, 1800 W (for use with resistive load only)

### Connectivity

Zigbee





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