Start making your home smart!

Please be sure to install the Bosch Smart Home Controller first. You can also use the explanatory video on our website to help you install your Bosch Smart Home Motion Detector more easily: www.bosch-smarthome.com/installation

Set up your product in just three steps

Ensure that you have a Bosch Smart Home Controller and the Bosch Smart Home App, and that you have set both of them up successfully.

▶ Separating the housing and mounting bracket
▶ Start the Bosch Smart Home App and select “Add device”
▶ Scan the QR code and follow the instructions
Congratulations on purchasing your Bosch Smart Home Motion Detector. It will help you to make your home even safer and smarter. It reliably detects movement using passive infrared technology, an additional temperature sensor and an intelligent algorithm. Thanks to the integrated pet immunity function, false alarms triggered by pets weighing up to 25 kg can easily be avoided. The Bosch Smart Home App immediately warns you in the event of unauthorized entry into your home or if the Motion Detector is tampered with. The Motion Detector is quickly integrated into your system via the Bosch Smart Home Controller.

We hope you enjoy your new product,
The Bosch Smart Home Team
# TABLE OF CONTENTS

1.0 Product description .................. 08  
1.1 Intended use ........................... 09  

2.0 In the box .............................. 10  

3.0 Warning notices ....................... 12  
3.1 Explanation of symbols .............. 12  
3.2 Safety instructions .................... 13  

4.0 The motion detector ................. 14  
4.1 Product overview ..................... 14  

5.0 Installation and setup ............... 18  
5.1 Separating the housing and fixing bracket .......... 19  
5.2 Starting the app and scanning the QR code .......... 20  
5.3 Inserting the battery compartment .......... 21  
5.4 Configuring the device .............. 22  

6.0 Fixing .................................. 23  
6.1 Fixing instructions ................... 23  
6.2 Choosing the type of fixing .......... 28  
6.3 Corner fixing with screws .......... 30  
6.4 Corner fixing with adhesive tape .......... 32  
6.5 Wall fixing with screws .............. 34  
6.6 Wall fixing with adhesive tape ....... 36  
6.7 Selecting pet immunity or sneak-by guard .......... 38  
6.8 Inserting the Motion Detector into the mounting bracket .......... 41  

7.0 Functional test ........................ 42  
8.0 Maintenance and care ............... 43  

9.0 Product details ....................... 45  
9.1 Technical data ........................ 45  
9.2 Declaration of conformity .......... 47  
9.3 Faults in radio operation .......... 48  
9.4 Environmental protection and disposal .......... 49  

10.0 Further information ................. 50
1.0 PRODUCT DESCRIPTION

The network-enabled Motion Detector with passive infrared technology (PIR) is equipped with the following components:

▶ Lens with 7 x 11 segments
▶ 90° and 12 m detection range
▶ Sneak-by guard or pet immunity
▶ Theft protection
▶ One long-life, replaceable battery

The device reliably warns you in the event of unauthorized entry into your house or your apartment. The app provides information on the room and the time of the alarm.

1.1 Intended use

The product must only be used together with original Bosch Smart Home components, and is for indoor use only.

▶ Follow the safety instructions and the directions in this manual and the Bosch Smart Home App to ensure that the product is set up correctly
▶ Please note the details in the Technical Data section (see p. 43)
▶ Avoid installing in areas prone to high amounts of dust, direct sunshine or heat

Do not modify the product in any way. Any other use is considered unintended use. We will not assume liability for any resulting damage.
2.0 IN THE BOX

The scope of delivery includes a battery (123A) with a typical service life of around five years. For a longer service life, you can also insert a second battery into the battery compartment.

To operate the Motion Detector you will require the app, a Controller and an internet connection.
3.0 WARNING NOTICES
3.1 Explanation of symbols

Warning.
This alerts you to danger.

Info.
Indicates important information.

3.2 Safety instructions

Proper handling of batteries
▶ Take the batteries out of the device if it is not used for a prolonged period of time
▶ The enclosed batteries are not suitable for charging
### 4.0 THE MOTION DETECTOR

#### 4.1 Product overview

<table>
<thead>
<tr>
<th>Item</th>
<th>Part</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LED indicator</td>
<td>Status/fault</td>
</tr>
<tr>
<td></td>
<td>Red</td>
<td>Fault, functional test</td>
</tr>
<tr>
<td></td>
<td>Orange</td>
<td>Configuration process, update</td>
</tr>
<tr>
<td></td>
<td>Green</td>
<td>Configuration successful</td>
</tr>
<tr>
<td>2</td>
<td>Sensor area</td>
<td>With lens</td>
</tr>
<tr>
<td>3</td>
<td>Sneak-by guard</td>
<td>Increased security</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Item</th>
<th>Part</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Green rotary switch</td>
<td>For setting pet immunity/sneak-by guard</td>
</tr>
<tr>
<td>2</td>
<td>QR code</td>
<td>Scan for device identification</td>
</tr>
<tr>
<td>3</td>
<td>Contact switch</td>
<td>For device resetting and theft protection</td>
</tr>
</tbody>
</table>

Motion Detector – front side of housing

Motion Detector – rear side of housing
<table>
<thead>
<tr>
<th>Item</th>
<th>Part</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Pre-punched holes</td>
<td>For wall mounting</td>
</tr>
<tr>
<td>2</td>
<td>Pre-punched holes</td>
<td>For corner mounting</td>
</tr>
<tr>
<td>3</td>
<td>Bubble level</td>
<td>Aid for alignment</td>
</tr>
<tr>
<td>4</td>
<td>Theft protection</td>
<td>Remains on wall in case of theft and sends signal</td>
</tr>
<tr>
<td>5</td>
<td>Turn lock</td>
<td>For separating the housing and mounting bracket</td>
</tr>
</tbody>
</table>

Motion Detector – front side of mounting bracket

<table>
<thead>
<tr>
<th>Item</th>
<th>Part</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Battery</td>
<td>One inserted 123A battery</td>
</tr>
<tr>
<td>2</td>
<td>Battery compartment with placeholder</td>
<td>Option for another battery</td>
</tr>
</tbody>
</table>

Motion Detector – battery compartment
5.0 INSTALLATION AND SETUP

Before you start
Ensure that you have a Bosch Smart Home Controller and the Bosch Smart Home App, and that you have set both of them up successfully.

You can also use the explanatory video on our website to help you install your Bosch Smart Home Motion Detector more easily:
www.bosch-smarthome.com/installation

5.1 Separating the housing and fixing bracket

Separate the Motion Detector’s housing from the mounting bracket. To do so, use a screwdriver to twist the turn lock on the underside of the Motion Detector counterclockwise by 180°, and simultaneously pull away the housing from the mounting bracket.
5.2 Starting the app and scanning the QR code

Now start the Bosch Smart Home App and select “Add device”.

From this point, the app guides you through the installation process. You will find a detailed description in this instruction manual.

The app will prompt you to scan the QR code on the product. You will find the QR code on the back of the housing (see p.15).

5.3 Inserting the battery compartment

Insert the battery compartment from above into the Motion Detector’s housing. The LED will start to flash orange.

A battery is included in the scope of delivery. In order to double the service life, you can also insert a second battery into the battery compartment. To do so, remove the placeholder from the battery compartment.
5.4 Configuring the device

As soon as the battery is inserted, the Motion Detector connects to the Controller. The Motion Detector’s LED indicates the status of the configuration attempt using the following flash codes:

<table>
<thead>
<tr>
<th>LED state</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flashes green once</td>
<td>Successful configuration attempt</td>
</tr>
<tr>
<td>Flashes red</td>
<td>Unsuccessful configuration attempt</td>
</tr>
</tbody>
</table>

The app informs you if the configuration was successful.

6.0 FIXING
6.1 Fixing instructions

Prevailing regulations must be observed when installing the product. Failure to comply with the regulations can lead to material damage and/or physical injury.

▶ Check that the scope of delivery is intact. Only install parts that are in immaculate condition
▶ Observe the instructions regarding the installation location
▶ Pay attention to the direction of movement when installing (lateral motion detection)
▶ You can find more information in the online FAQs at: www.bosch-smarthome.com/faq
Observe the following mounting instructions:

- Mount the Motion Detector at a height of minimum 2.20 m to maximum 2.70 m, as desired
- The product has a detection range of 90° and 12 m
- In addition the sneak-by guard can be activated

- There must not be any windows in the detection area of the Motion Detector
- Avoid direct or indirect sunlight in the detection area of the Motion Detector
- Do not block the detection area with objects
- Do not install the Motion Detector near rotating objects (e.g. fans) or independently moving objects
- Do not install near sources of heat or cold
▶ Do not place any objects on which pets can climb in the detection area

▶ Place the Motion Detector in the part of the room which is most frequently walked through (e.g. near the door)

Take the Motion Detector to your chosen mounting location. **Before mounting**, use the app to perform a communication test in order to check the signal strength.

▶ The connection with the Bosch Smart Home Controller needs to be sufficiently strong (you can perform a communication test using the app)
6.2 Choosing the type of fixing

The Motion Detector can be mounted in a corner or on a straight wall. In both cases, you can either mount the device with screws or with adhesive tape.

If the Motion Detector is forcibly removed, the theft protection remains on the wall and emits a signal. The device's theft protection function can only be guaranteed if the Motion Detector is installed with screws.
6.3 Corner fixing with screws

Punch through the four pre-punched screw holes in the Motion Detector’s mounting bracket.

Hold the mounting bracket against the desired position on the wall and mark the drill holes.

Mount the Motion Detector with screws and plugs.

When choosing a fixing location and when drilling, pay attention to potential electrical lines and/or supply lines that could be behind the wall.
6.4 Corner fixing with adhesive tape

When fixing the Motion Detector with adhesive strips, the theft protection function cannot be guaranteed.

Attach the adhesive tapes to the beveled surfaces of the Motion Detector’s mounting bracket and peel off the second protective film.

Place the Motion Detector in the desired position and press it down firmly.
6.5 Wall fixing with screws

Punch through the three pre-punched screw holes in the Motion Detector’s mounting bracket.

Hold the mounting bracket against the desired position on the wall and mark the drill holes.

Fix the Motion Detector using screws and plugs.

When choosing a fixing location and when drilling, pay attention to potential electrical lines and/or supply lines that could be behind the wall.
6.6 Wall fixing with adhesive tape

When attaching the Motion Detector with adhesive strips, the theft protection function cannot be guaranteed.

Attach the adhesive tapes to the back of the Motion Detector’s mounting bracket and peel off the second protective film.

Place the Motion Detector in the desired position and press it down firmly.

10 sec.
6.7 Selecting pet immunity or sneak-by guard

Set the desired sensitivity level on the Motion Detector. When doing so, you can choose between the pet immunity and sneak-by guard functions. Upon delivery, the product is set to pet immunity with the rotary switch on the rear side of the housing turned to the left. For the sneak-by guard, turn the rotary switch to the right.

If pet immunity is activated, small animals (< 25 kg) ignored by the Motion Detector’s front sensor. The sensor directed downwards is then switched off. When pet immunity is activated, the sneak-by guard is deactivated.
6.8 Inserting the Motion Detector into the mounting bracket

Insert the Motion Detector into the mounting bracket from the bottom up until you hear it click into place.

When pet immunity is switched off, the sneak-by guard is activated, making it also possible to detect people who are beneath the Motion Detector. As a result, there is a possible risk of false alarms if you have pets.
7.0 FUNCTIONAL TEST

Once installed, the product’s functionality needs to be checked. Start the functional test via the app. Cross the room in order to test the detection range. The Motion Detector will flash red every time it detects movement.

When crossing the room, pay attention to the route that a trespasser would be most likely to take.
8.0 MAINTENANCE AND CARE

The product is maintenance-free. Repairs should only be performed by qualified persons. Clean the product with a soft clean dry and lint-free cloth. Do not use cleaning agents containing solvents.

9.0 PRODUCT DETAILS
9.1 Technical data

<table>
<thead>
<tr>
<th>Device type name</th>
<th>Bosch Smart Home Motion Detector RFPR-ZB-SH-EU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Batteries</td>
<td>123A</td>
</tr>
<tr>
<td>Battery life</td>
<td>Up to 5 years¹</td>
</tr>
<tr>
<td>Radio frequency</td>
<td>2.4 GHz</td>
</tr>
<tr>
<td>Max. transmission power</td>
<td>8 dBm</td>
</tr>
<tr>
<td>Protocol</td>
<td>Based on ZigBee HA1.1 with extended encryption technology</td>
</tr>
</tbody>
</table>

¹ 5 years, based on typical storage temperature (-10 to 55°C), ambient temperature, 160 motion detections/day and 2 software renewals of the device/year. High temperatures over 50 °C shorten the lifetime.

Incorrect handling (see notes on intended use) or non-observance of hazard warnings may compromise the protection afforded by the device.
Radio range in free-field conditions > 50 m
Protection class IP20
Ambient temperature 0 °C to +50 °C
Humidity (non-condensing) 0% to 93%
Software class Class A
Housing dimensions (W × H × D) 60 mm × 108 mm × 42 mm
Weight (including battery compartment) 114 g
Detection range 90° and 12 m
Lense 7 × 11
Mounting height 2.20 m × 2.70 m

9.2 Declaration of conformity
Hereby, Robert Bosch Smart Home GmbH declares that the radio equipment type Bosch Smart Home Motion Detector is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: www.bosch-smarthome.com/EU-declarations-of-conformity
9.3 Faults in radio operation

Faults in radio operation (e.g. due to electric motors or defective electrical devices) cannot be ruled out. The radio range inside buildings may differ greatly from the radio range in free-field conditions. Apart from the transmission power and the receiver characteristics, environmental influences such as humidity and structural characteristics may also influence radio operation.

9.4 Environmental protection and disposal

Electrical and electronic equipment that is no longer usable and defective or used batteries must be separated from other waste and recycled in an environmentally friendly manner (European Directive on waste electrical and electronic equipment).

To dispose of electrical and electronic equipment or batteries, use your country-specific return and collection systems.
Sale and transfer
Before you transfer or sell your device, delete your personal information. To do this, reset the device to its factory settings (see online FAQs).

You can find more detailed information on operating and maintaining the Motion Detector in the online FAQs at www.bosch-smarthome.com/faq

You will also find all contact details on the rear side of this document.
INTERCONNECTED SMART HOME PRODUCTS

Save on heating costs, protect your valuables, create mood lighting and much more: Bosch Smart Home offers a complete, intelligent system to make your life more comfortable, safer and more sustainable.

More at www.bosch-smarthome.com