

**FUAA45000**

# OPERATING INSTRUCTIONS

Smartvest® Pro wireless alarm system & app starter set



German



English



Français



Nederlands



Italiano



Español

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## **I. GENERAL**

### **1. Introduction**

Dear customer,

Thank you for purchasing this product.

ABUS Security Center hereby declares that the radio system type FUA45xxx complies with RED Directive 2014/53/EU. The full EU Declaration of Conformity text can be found at:

[www.abus.com](http://www.abus.com) Article search FUA45xxx/Downloads

The Declaration of Conformity can also be obtained from the following address:

ABUS Security Center GmbH & Co. KG

Linker Kreuthweg 5

86444 Affing

GERMANY

To maintain this condition and ensure safe operation, you as the user must observe these operating instructions!

Read the entire user guide carefully before starting operation of the product, and pay attention to all operating instructions and safety information.

All company names and product descriptions are trademarks of the corresponding owner. All rights reserved.

If you have any questions, please contact your specialist dealer or visit us on the Internet at [www.abus.com](http://www.abus.com).

### **2. Disclaimer**




These operating instructions have been produced with the greatest of care. Should you discover any omissions or inaccuracies, please contact us in writing under the address provided above.

ABUS Security Center GmbH accepts no liability for technical and typographical errors and reserves the right to make changes to the product and operating instructions at any time without prior notice.

ABUS Security Center shall not be liable or responsible for any direct or indirect consequential damages arising in connection with the equipment, performance or use of this product. No guarantee is made for the contents of this document.

### 3. Explanation of symbols

The following symbols are used in these operating instructions:

Symbol	Signal word	Meaning
	Caution	Indicates a risk of injury or health hazards caused by electrical voltage
	Important	Indicates possible damage to the device/accessories or a risk of injury or health hazard
	Note	Indicates important information

### 4. Intended use / Legal information



Only use the device for the purpose for which it was built and designed! Any other use is not considered to be the intended use.

This device may only be used for the following purpose(s):

The Smartvest Pro wireless alarm system enables easy access to modern homes with its combination of reliable all-round security and attractive home-automation functions. Up to 32 wireless devices and four IP cameras can be connected to the Smartvest Pro alarm panel via the free app, enabling you to access the alarm panel from anywhere in the world. In the event of an alarm, the alarm panel has an integrated, loud 90 dB siren and can send push notifications via the app.

### 5. Important safety information

Before using this device for the first time, please read the following instructions carefully and observe all warning information, even if you are familiar with the use of electronic devices.

	All guarantee claims are invalid in the event of damage caused by non-compliance with this user manual. We cannot be held liable for resulting damage.
	We cannot be held liable for material or personal damage caused by improper operation or non-compliance with the safety information. All guarantee claims are void in such cases.

Retain this handbook for future reference.

If you sell or pass on the device to third parties, you must include these instructions with the device.

The following safety information and hazard notes are not only intended to protect your health, but also to protect the device from damage. Please read the following points carefully:

## 5.1 Power supply

- Only operate this device using a power source which supplies the grid voltage specified on the type plate. If you are unsure which voltage is supplied at the installation location, contact your energy provider.
- Disconnect the device from the power supply before carrying out maintenance or installation work.
- To fully disconnect the device completely from the mains, the mains plug must be withdrawn from the mains socket.
- In order to eliminate the risk of fire, the device's mains plug should always be disconnected from the mains socket, if the device is not being used for an extended period of time.
- The device is equipped with an integrated rechargeable battery. If it has a charge, the appliance will continue to operate even after it is disconnected from the mains. To disconnect the power supply from the integrated battery, set the switch in the compartment on the back to "off".

## 5.2 Overloading

- Prior to unstable weather and/or when there is a risk of lightning strike, disconnect the device from the mains network or connect the device to a UPS.
- Avoid overloading electrical sockets, extension cables and adapters, as this can result in fire or electric shock.

## 5.3 Cables

- Always grasp all cables by the plug and do not pull on the cable itself.
- Never grasp the power cable with wet hands, as this can cause a short circuit or electric shock.
- Do not place the device itself, items of furniture or other heavy objects on the cable and ensure that it does not become kinked, especially at the connector plug and at the connection sockets.
- Never tie a knot in the cable and do not bundle it together with other cables.
- All cables should be laid in such a way that nobody steps on them and so that they do not cause an obstruction.
- Damaged power cables can cause fire or electric shock. Check the power cable from time to time.
- Do not modify or manipulate the power cable or plug.
- Only use adapter plugs or extension cables that conform to applicable safety standards, and do not interfere with the mains or power cables.
- Use the integrated tension relief on the back of the control centre to clamp the cable firmly and prevent it from being pulled out unintentionally.

## 5.4 Children

- Keep electrical devices out of reach of children. Never allow children to use electrical devices unsupervised. Children may not always properly identify possible hazards. Small parts may be fatal if swallowed.
- Keep packaging film away from children. There is a risk of suffocation.
- This device is not intended for children. If used incorrectly, parts under spring tension may fly out and cause injury to children (e.g. to eyes).

## 5.5 Installation location/operating environment

- Place or mount the Smartvest Pro on a steady, level surface and do not place any heavy objects on the device.
- Ensure that there is sufficient ventilation (do not place the Smartvest Pro on shelves, on a thick carpet, on a bed or where ventilation slots are covered, and leave at least 10 cm clearance to all sides; this does not apply to wall mounting, for this use the installation instructions provided in 1.3).
- The Smartvest Pro is not designed for operation in rooms with high temperatures or humidity (e.g. bathrooms) or excessive dust.

For all devices only suitable for indoor use, please ensure that

- no direct heat sources (e.g. heaters) act on the devices.
- the devices are not exposed to direct sunlight or strong artificial light
- there are no open fire sources (e.g. burning candles) on or next to the devices.
- contact with sprayed or dripping water is avoided
- the devices (with the exception of the FUWM45000 water detector, please follow the installation instructions for the water sensor in item 7) are not be operated in the vicinity of water; in particular the devices must never be submerged (do not place any objects filled with liquids, e.g. vases or drinks, on or next to the device).
- the devices are not exposed to large temperature fluctuations, as otherwise there may be condensation from humidity which may lead to electrical short circuits

For all devices that are suitable for indoor and outdoor use, please ensure that

- the devices are not exposed to excessive shock or vibration
- the devices are not in the immediate vicinity of magnetic fields (e.g. loudspeakers).
- contact with aggressive liquids is avoided
- no foreign objects are able to penetrate the components
- the operating temperature and operating humidity of the devices are observed.

Please refer to the installation instructions in chapter II and the technical information in chapter IV for information on proper installation and compliance with the operating environment for devices.

## 5.6 Battery

All devices from the Smartvest Pro product range, with the exception of the alarm panel and wireless socket, are or can be powered by batteries. In order to achieve a long lifespan and avoid fire and injury, please follow the instructions below:

- Do not dispose of the battery with household waste. Please only dispose of the batteries via a take-back system; contact your local waste disposal company for more information.
- The battery must not be directly exposed to heat or sunlight, and must not be stored in hot places.
- The battery must not be burned.
- The battery must not come into contact with water.
- The battery must not be dismantled, pierced or otherwise damaged.
- The battery contacts must not be short-circuited.
- The battery must be kept out of reach of small children.
- The battery cannot be recharged.

The Smartvest Pro alarm panel itself contains a rechargeable battery to temporarily supply the alarm panel with power in the event of a power failure.


## 5.7 Unpacking the device

Handle the device with extreme care when unpacking it.

Packaging and packaging aids can be reused and, as far as possible, should be sent for recycling.


We recommend the following:


Paper, cardboard and corrugated cardboard as well as plastic packaging items should be placed in the appropriate recycling containers.

	<p><b>Warning</b></p> <p>If the original packaging has been damaged, inspect the device. If the device shows signs of damage, return it in the original packaging and inform the delivery service.</p>
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## 5.8 Start-up

Observe all safety and operating instructions before operating the device for the first time.

	<p><b>Warning</b></p> <p>Improper or unprofessional work on the power supply system or domestic installations puts both you and others at risk.</p> <p>Connect the installations so that the mains power circuit and low-voltage circuit always run separately from each other. They should not be connected at any point or become connected as a result of a malfunction.</p>
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	<p><b>Warning</b></p> <p>Do not activate the tamper contact on the back of the alarm panel (white button) manually. During installation, this tamper contact is activated by pressing it for the first time and an alarm is triggered when it is released.</p>
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## 5.9 Care and maintenance

Maintenance is necessary if the device has been damaged (e.g. damage to the power cable and plug, or the housing), or if liquids or foreign bodies have got into the interior of the device, or if it has been exposed to rain or damp, or if it does not work properly or has been dropped.

### Maintenance

- If smoke, unusual noises or smells develop, switch the device off immediately and unplug from the socket. In such cases, the device should not be used until it has been inspected by a qualified technician.
- Have all maintenance tasks carried out by qualified technicians only.
- Never open the housing on the device or accessories. If the housing is open, there is the risk of fatal electric shock.

### Cleaning

- Only clean the device housing with a damp cloth.
- Do not use products such as solvents, white spirit or thinners, or any of the following substances: Brine, insect spray, solvents containing chlorine or acids (ammonium chloride), or scouring powder.
- Rub the surface gently with a cotton cloth until it is completely dry.



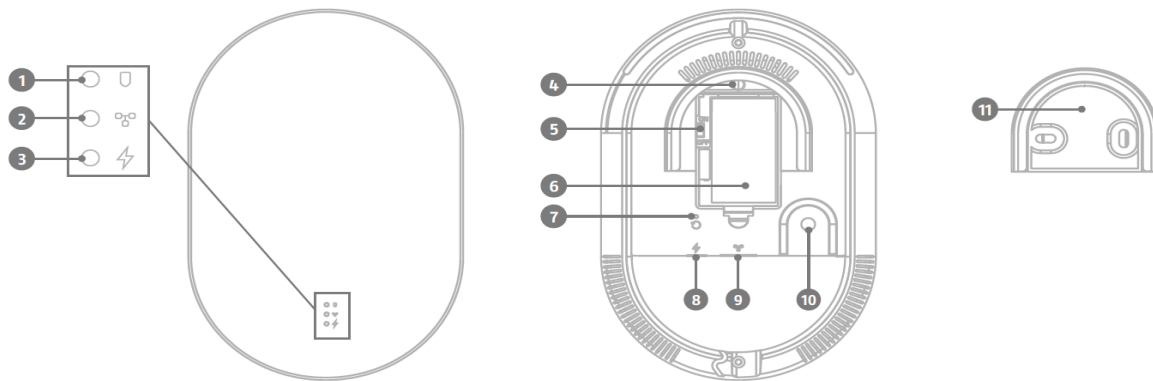
The device operates with a dangerous voltage level. Disconnect the appliance from the mains supply for maintenance work (e.g. cleaning) and switch it off!

## II. DEVICE DESCRIPTION, INSTALLATION AND BATTERY CHANGE

This chapter describes the Smartvest Pro alarm panel and the associated devices as well as installation, start-up and settings.

### 1. FUAA45010 Smartvest Pro wireless alarm system alarm panel



#### 1.1 Product description



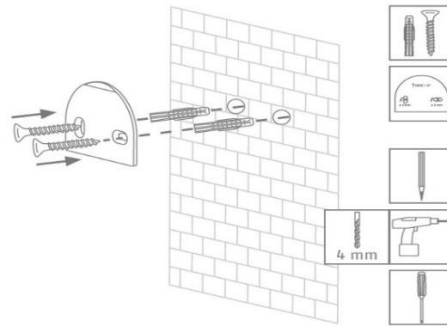
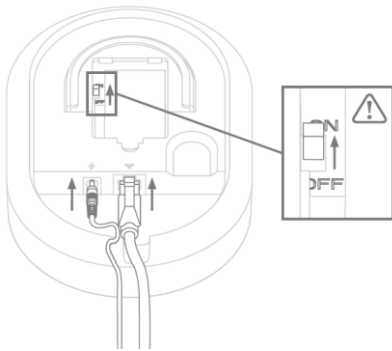
1 Status LED	<b>Blue, continuously illuminated:</b> System armed or system internally armed <b>Orange, continuously illuminated:</b> A warning is present, e.g. battery low <b>Red, continuously illuminated:</b> Alarm <b>Off:</b> there is no warning and the system is disarmed
2 Network LED	<b>Green, continuously illuminated:</b> Network connection established <b>Orange, continuously illuminated:</b> Network connection established via mobile communications network <b>Flashing orange:</b> no network connection
3 Power LED	<b>Green, continuously illuminated:</b> System is supplied with power <b>Flashing green:</b> Operating status, battery is charging <b>Orange, continuously illuminated:</b> Mains voltage failure, operation with internal battery <b>Flashing orange:</b> The charge level of the integrated battery will last for a maximum of one hour <b>Off:</b> Device is switched off

4 Tamper contact	The tamper contact is located underneath the mounting plate. It becomes active as soon as the mounting plate is inserted and triggers a tamper alarm when the plate is removed. Pressing the button manually also triggers the tamper alarm.
5 On/off switch	In the compartment on the back of the device
6 Wireless mobile module slot	PCIe slot for LTE module, antenna connection
7 Reset button	Labelled with an arrow on the back of the device
8 5 V DC power supply	5V DC / 2 A. Device starts automatically when powered by mains voltage
9 LAN connection	For wired connection to the internet, for connection to router
10 Loudspeaker	Smartvest Pro loudspeaker with a maximum volume of 90 dB
11 Mounting plate	For installing on the wall and for automatically activating the tamper contact

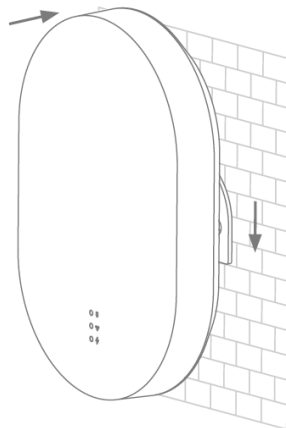
## 1.2 Notes

	The Smartvest Pro is only suitable for <b>indoor</b> use. For further information, please refer to the safety instructions relating to installation location and operating environment.
	Please note further information on the wireless alarm system alarm panel: <ul style="list-style-type: none"> <li>• <b>Technical data:</b> Page 111</li> </ul>

## 1.3 Installation



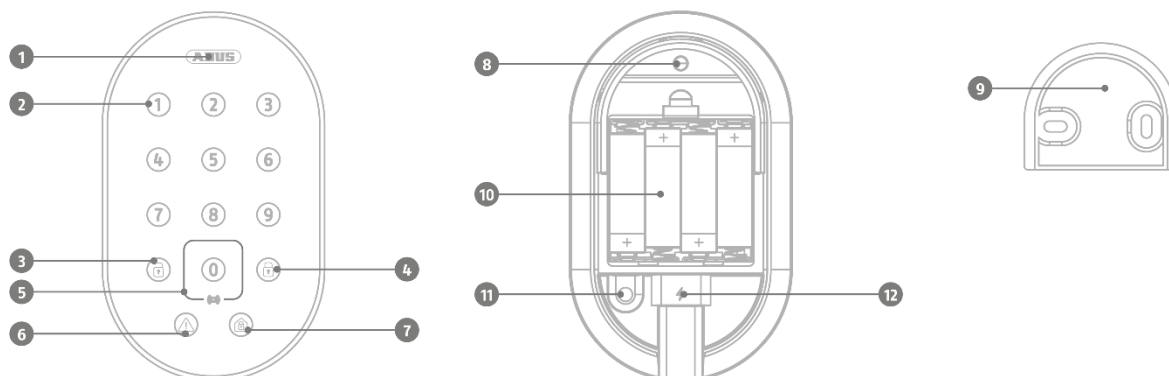
1. Supply the alarm panel with power, connect it to your router and switch the device on.
2. Use the cable guide to relieve tension on the power supply cable.
3. Attach the mounting plate to the wall using screws and plugs. Ensure that it is horizontally aligned.



4. Place the alarm panel on the mounting plate and push the alarm panel down until it engages on the mounting plate. The tamper contact is pressed onto the mounting plate during installation, which activates it.



## 2. FUBE45010 Smartvest Pro wireless keypad

### 2.1 Product description

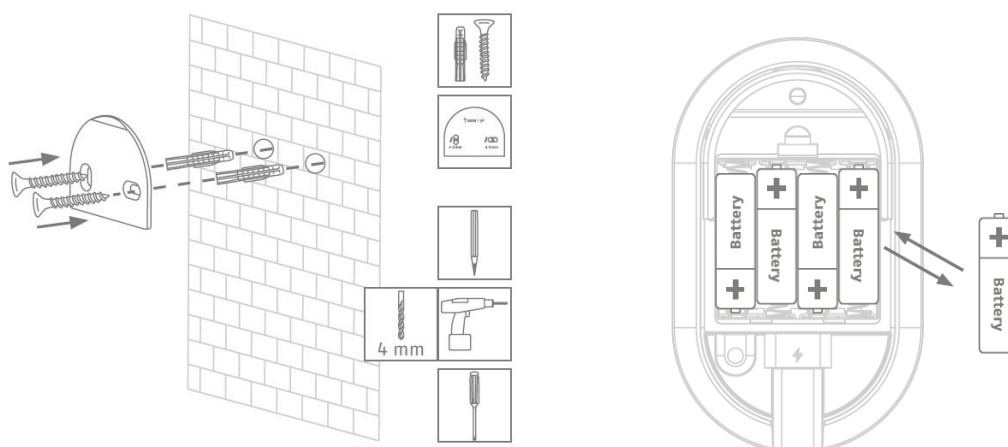


1 LED	<b>Flashes green twice:</b> Command entered is executed <b>Flashes red twice:</b> Command entered is not executed
2 Keypad	Touch-sensitive keypad with backlit buttons and confirmation of each button input by visual feedback (backlighting of the pressed button briefly off and on again)
3 Disarm	Button for disabling the Smartvest Pro. Verification is required after operation (PIN or RFID chip)
4 Arm	Button for activation of Smartvest Pro
5 ID key fob scanner	Reader area for ID key fobs
6 Panic alarm	Button for triggering the panic alarm (press and hold for 5 seconds)
7 Internally arm	For internal arming, e.g. when someone is at home; motion detectors do not trigger an alarm when internally armed
8 Tamper contact	Tamper contact for alerting in the event of unwanted removal
9 Mounting plate	For installing on walls and for automatically activating the tamper contact
10 Battery compartment	4x AA (1.5 V) batteries as power supply The Smartvest app warns you when the battery is low. Follow the instructions in the app.
11 Loudspeaker	For acoustic confirmation of keypad inputs, can be optionally switched off
12 USB-C port	Alternative power supply via USB-C cable and power supply unit according to the specification on the type plate of the keypad (not included)

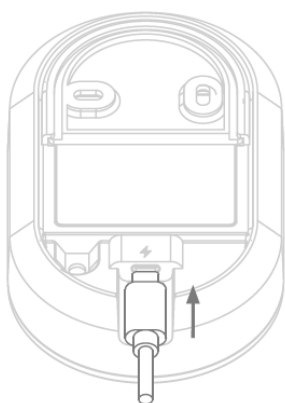
## 2.2 Notes

	The keypad is designed for <b>indoor</b> use only. For further information, please refer to the safety instructions relating to installation location and operating environment.
	Please note further information on the wireless keypad: <ul style="list-style-type: none"><li>• <b>Managing and adding components:</b> Page 63</li><li>• <b>Technical data:</b> Page 112</li></ul>

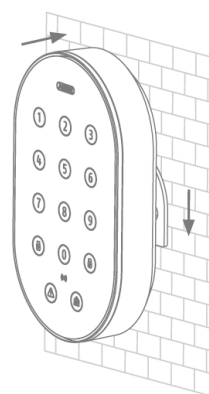
## 2.3 Installation



1. Attach the mounting plate to the wall using screws and plugs.
2. Insert batteries in the keypad.



3. Alternatively, you can supply the keypad with power.



4. Place the keypad on the mounting plate and slide it downwards.

## 2.4 Changing the battery

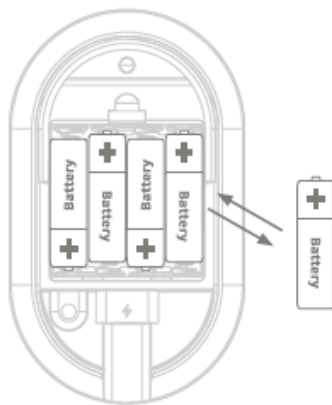


The tamper contact may be triggered when the keypad battery is replaced. To avoid unwanted alarms in this case, you can activate **Maintenance Mode** (3.17) in the app's advanced settings.

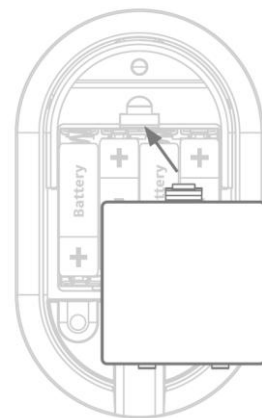
Settings > Maintenance Mode > Activate Maintenance Mode 



1. Open the battery compartment.











2. Insert 4 AA batteries.



3. Close the battery compartment again

## 2.5 Operation

Wake up the keypad – before each operation	Wake up the keypad by pressing any button before an input. The keypad illumination is activated and you can start entering the desired command.
Arming 	To arm the system, press the  button. When using a keypad, set an exit delay in the alarm mode settings menu in the app so that you have enough time to leave the house before the system is actually armed.
Arming the system internally 	To arm the system internally, press the  button. By default, motion detectors that are connected do not trigger an alarm in this mode.
Disarming the system 	To disarm the system press the  button. When using a keypad, set an entry delay in the alarm mode settings menu in the app so that you have enough time to disarm the system after coming inside. After pressing the button, verify yourself using a 4-digit PIN code or ID key fob. Please hold the ID key fob in front of the marking (⓪) in the lower area of the keypad. After successful verification, the indicator LED on the keypad flashes green and an acoustic signal sounds.
Triggering a panic alarm 	To trigger a panic alarm, press and hold the  button for >5 seconds
Switching the keypad tones off/on	You have the option of muting the button tones on your keypad. To <b>activate</b> the mute function, wake up your keypad by pressing any button. Then briefly press the <b>panic button once</b> , followed by <b>button 1</b> . To <b>deactivate</b> the mute function, first wake up your keypad by pressing any button. Then briefly press the <b>panic button once</b> , followed by <b>button 2</b> .




### 3. FUBE45000 Smartvest Pro wireless remote control

#### 3.1 Product description

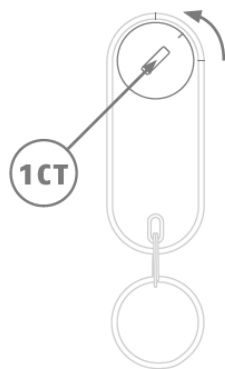


1 LED	<b>Green:</b> Signals that the command sent is being executed <b>Red:</b> Signals that the command sent will not be executed
2 Arm	<b>Press briefly:</b> Arming the alarm panel <b>Long press:</b> Internal arming of the alarm panel
3 Disarm	<b>Press briefly:</b> Disarm the alarm panel <b>Press and hold while alarm is active:</b> Acknowledge alarm
4 Additional button	<b>Press briefly:</b> Configurable in the app, e.g. scenario OR <b>Long press:</b> Panic alarm Only one function can be assigned to the additional button
5 Battery compartment	1x 3V button battery (CR2032) for power supply The Smartvest Pro app warns you when the battery is low. Follow the instructions in the app.

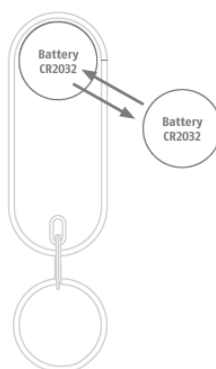
#### 3.2 Notes

	The remote control is only suitable for <b>indoor use</b> . Note the information provided in the safety instructions relating to the operating environment.
	Use the keyring to attach the remote control to your bunch of keys or similar.
	Please note further information on the wireless remote control: <ul style="list-style-type: none"><li>• <b>Managing and adding components:</b> Page 71</li><li>• <b>Technical data:</b> Page 113</li></ul>

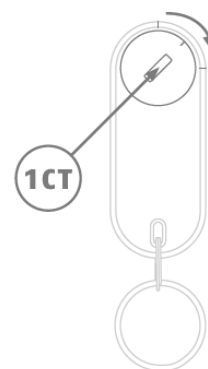
### 3.3 Changing the battery



1. Open the battery compartment, e.g. with a coin.



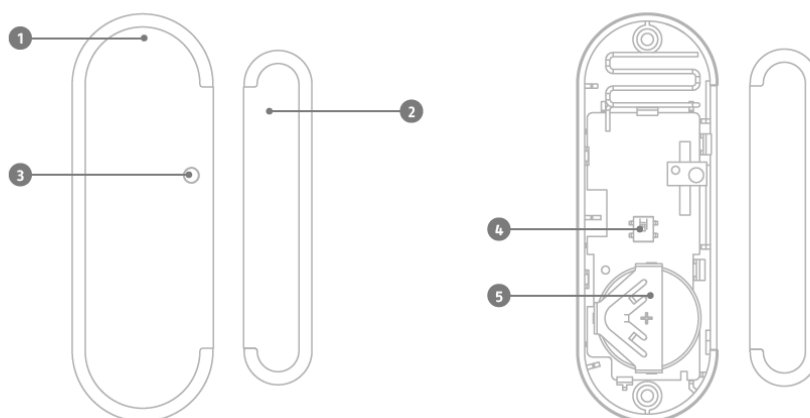
2. Insert a new CR2032 button battery.



3. Close the battery compartment again and pay attention to the markings on the remote control.



## 4. FUMK45000 Smartvest Pro wireless magnetic contact


### 4.1 Product description



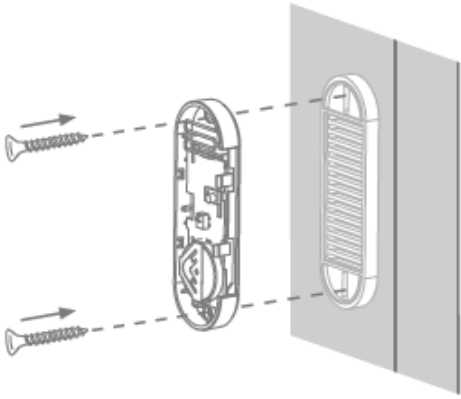
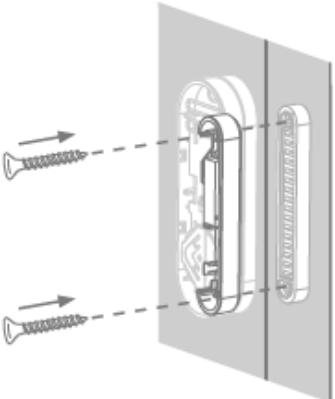
1 Transmitter component	Detector for detecting openings. Transmitter component contains electronics. For mounting on window or door frames.
2 Magnetic component	Contains magnet, for mounting on window or door
3 LED	Blue, for signalling detection
4 Tamper contact	Tamper contact for alerting in the event of unwanted removal
5 Battery compartment	1x 3V button battery (CR2032) for power supply The Smartvest Pro app warns you when the battery is low. Follow the instructions in the app.

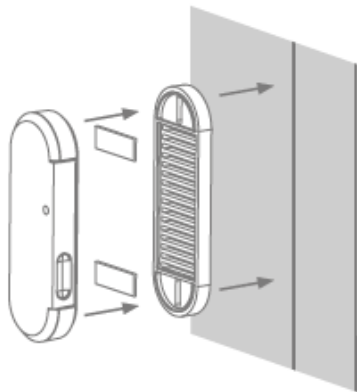
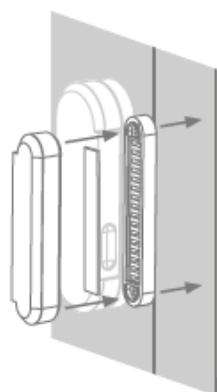
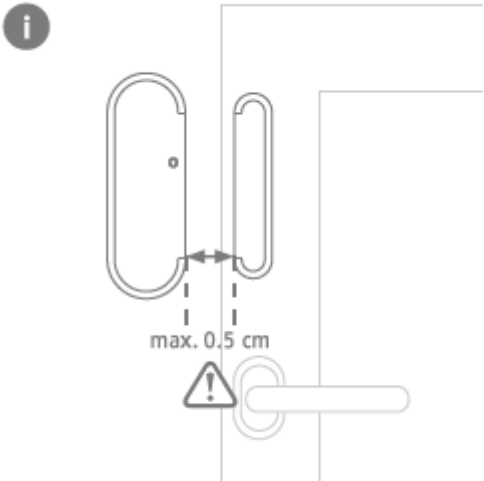
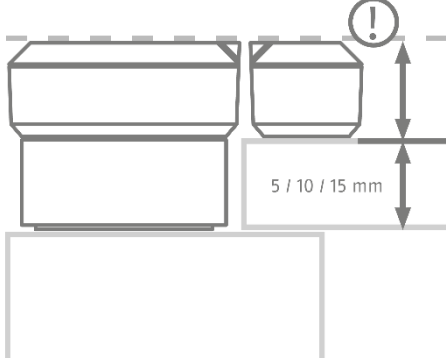
### 4.2 Notes

	The magnetic contact is only suitable for <b>indoor</b> use. For further information, please refer to the safety instructions relating to installation location and operating environment.
	<b>General installation instructions</b> <ul style="list-style-type: none"><li>• Always install the smaller magnet component on the window or door and the larger transmitter component on the window or door frame.</li><li>• Mount the magnetic contact so that the two devices are no more than 0.5 cm apart horizontally and 1.5 cm apart vertically.</li><li>• If in doubt, test whether the height difference on your window or door is too great by holding the two devices next to each other in the desired position on the window or door and then moving the transmitter component to the window or door frame. If the blue signal LED lights up, the height difference is too great.</li><li>• To even out the height difference, use the washers provided, which need to be attached to the rear of the devices. The screws provided are not compatible with</li></ul>

	<p>washers. Either use your own screws for this or the adhesive pads provided (recommended).</p> <ul style="list-style-type: none"> <li>• Always install the magnetic contact on the side of the window or door which is opened and not on the hinge side.</li> <li>• You can either install the magnetic contact on the top or the side of the window. If you install the magnetic contact on the underside of the window, the magnetic contact may not trigger if the window is tilted (not recommended).</li> </ul>
	<p>Please note further information on the wireless magnetic contact:</p> <ul style="list-style-type: none"> <li>• <b>Managing and adding components:</b> Page 67</li> <li>• <b>Technical data:</b> Page 113</li> </ul>

### 4.3 Installation

	
<p><b>Installation with screws (recommended)</b></p> <ol style="list-style-type: none"> <li>1. Open the smaller magnetic component and the larger transmitter component of the magnetic contact using a thin slotted screwdriver.</li> <li>2. Screw the smaller magnet component and the larger transmitter component to the desired position on the window using 2 screws on each. You must first break through the intended holes carefully using a screwdriver or drill.</li> <li>3. Replace the respective housing covers.</li> </ol>	

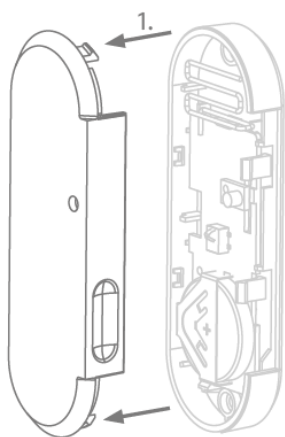
	
<p><b>Mounting with adhesive pads (alternative)</b></p> <ol style="list-style-type: none"> <li>1. Stick two of the small adhesive pads onto the transmitter component without covering the type plate. A line in the housing also indicates the correct position of the adhesive pads.</li> <li>2. Stick the long adhesive pad onto the magnetic component.</li> <li>3. Please thoroughly clean the areas where you would like to attach the adhesive pads first.</li> <li>4. Stick the large transmitter component to the window frame in the desired position in relation to the window and stick the smaller magnet component to the window itself.</li> <li>5. If necessary, use the enclosed plastic shims to compensate for height differences between the two components. The adhesive pads are pre-assembled on the shims.</li> </ol>	
 <p>max. 0.5 cm</p>	 <p>5 / 10 / 15 mm</p>
<p>Please ensure that the transmitter and magnet components are no more than 0.5 cm apart.</p>	<p>Height differences can be compensated with the enclosed spacers. Please ensure that the transmitter and magnet components are at the same height.</p>

## 4.4 Changing the battery

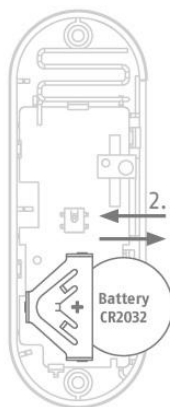


The tamper contact may be triggered when the detector battery is changed. To avoid unwanted alarms in this case, you can activate **Maintenance Mode** (3.17) in the app's advanced settings.

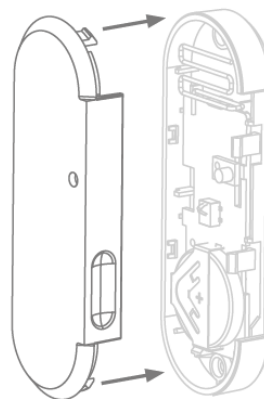
Settings > Maintenance Mode > Activate Maintenance Mode 



1. Open the cover on the transmitter component.



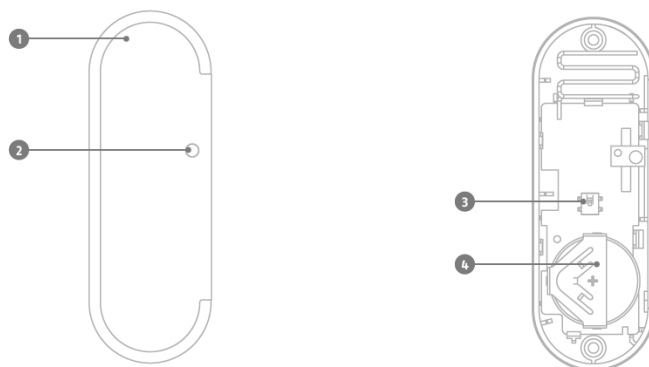
2. Insert a new CR2032 button battery.



3. Close the cover.

## 5. FUEM45000 Smartvest Pro wireless vibration detector

### 5.1 Product description

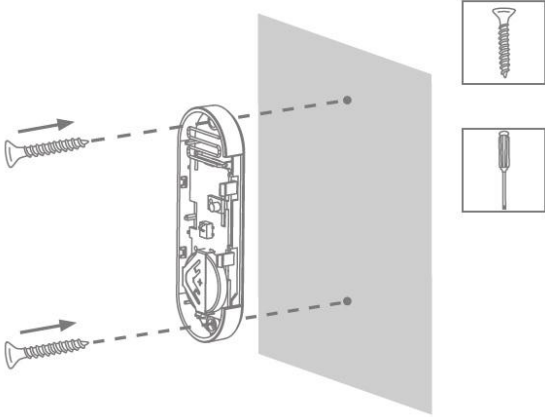
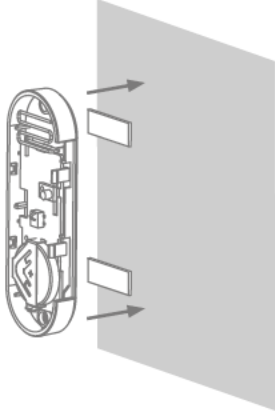


1 Vibration detector	Detector for detecting vibrations
2 LED	Blue, for signalling detection
3 Tamper contact	Tamper contact for alerting in the event of unwanted removal
4 Battery compartment	1x 3V button battery (CR2032) for power supply The Smartvest Pro app warns you when the battery is low. Follow the instructions in the app.



### 5.2 Notes

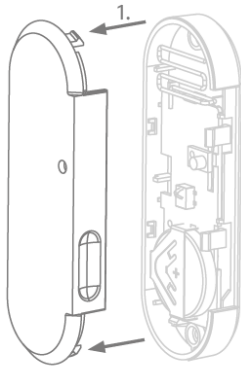
	The wireless vibration detector is designed for <b>indoor</b> use only. For further information, please refer to the safety instructions relating to installation location and operating environment.
	To ensure trouble-free operation, the detector must NOT be installed: <ul style="list-style-type: none"> <li>• close to the ground</li> <li>• in the vicinity of large metal structures</li> <li>• up to 1 metre away from power lines or gas pipes</li> <li>• near electronic devices or radios</li> <li>• on moving elements</li> <li>• upside down</li> </ul>
	The vibration detector triggers in the event of vibrations that typically arise during a break-in attempt, such as battering, drilling, sawing, or using objects for leverage. The 3D acceleration sensor analyses these vibrations and sends an alarm signal to the alarm panel depending on the set level of sensitivity. The detector can be used to monitor both fixed and moving objects.
	Please note further information on the wireless vibration detector: <ul style="list-style-type: none"> <li>• <b>Managing and adding components:</b> Page 77</li> <li>• <b>Technical data:</b> Page 114</li> </ul>

## 5.3 Installation

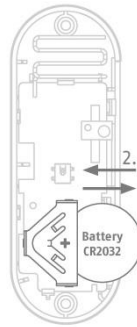
	
<p><b>Installation with screws</b></p> <ol style="list-style-type: none"><li>1. Open the vibration detector with a thin slotted screwdriver.</li><li>2. Screw the vibration detector into the desired position using 2 screws. You must first break through the intended holes carefully using a screwdriver or drill.</li><li>3. Replace the housing cover.</li></ol>	<p><b>Mounting with adhesive pads (alternative)</b></p> <ol style="list-style-type: none"><li>1. Please thoroughly clean the areas where you would like to attach the adhesive pads first.</li><li>2. Affix the two adhesive pads to the underside of the vibration detector.</li><li>3. Secure the vibration detector in the desired position.</li></ol>

## 5.4 Changing the battery

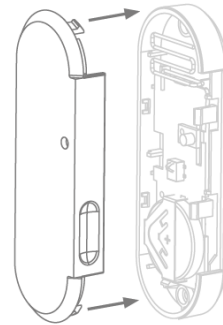
	<p>The tamper contact may be triggered when the detector battery is changed. To avoid unwanted alarms in this case, you can activate <b>Maintenance Mode</b> (3.17) in the app's advanced settings.</p> <p>Settings &gt; Maintenance Mode &gt; Activate Maintenance Mode </p>
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1. Open the cover of the vibration detector.



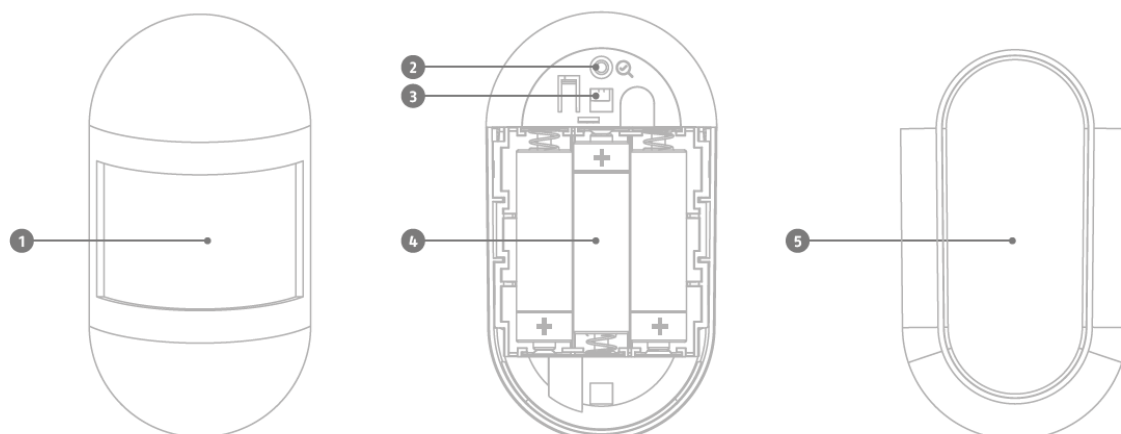
2. Insert a new CR2032 button battery.



3. Close the cover.



## 6. FUBW45000 Smartvest Pro wireless motion detector


### 6.1 Product description



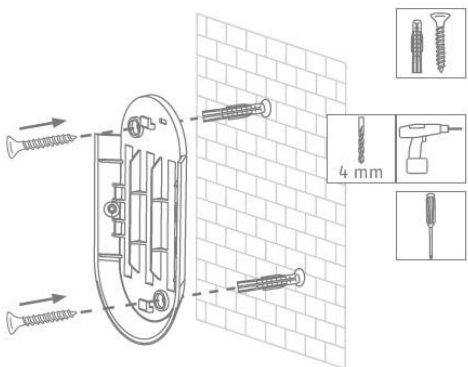
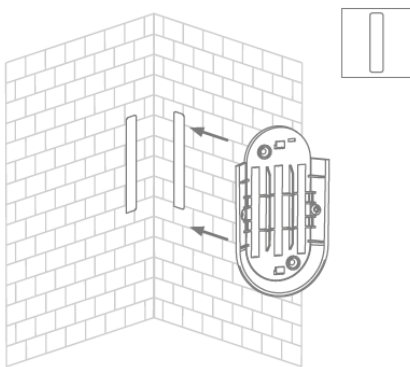
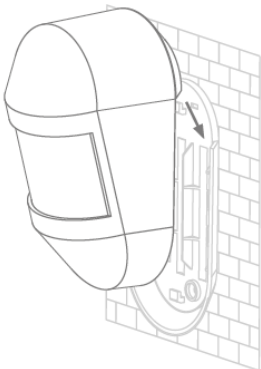
1 Passive infrared detector	<p>The motion detector detects movement and triggers an alarm</p> <p>After each triggering, regardless of the status of the Smartvest Pro alarm panel, there is a cooldown time of 2 minutes, during which the motion detector does not detect any movement and does not trigger an alarm.</p>
2 Test mode button	<p>To enter test mode, press and hold the test button on the back of the motion detector for approximately 5 seconds. Test mode deactivates automatically after 5 minutes.</p> <p>In normal mode, the motion detector allows a detection every two minutes. In test mode, however, this waiting time is cancelled, and every movement leads to a detection.</p>
3 Tamper contact	Tamper contact for alerting in the event of unwanted removal
4 Battery compartment	3 x AA batteries
5 Mounting plate	The mounting plate is attached to the wall or in corners using screws or adhesive pads.

### 6.2 Notes



	The motion detector is only suitable for indoor use. For further information, please refer to the safety instructions relating to installation location and operating environment.
	<p><b>General installation instructions</b></p> <ul style="list-style-type: none"> <li>Mount the motion detector 2 - 2.5 m above the floor for a range of approx. 12 m.</li> <li>Install the detector either flush to the wall or in a corner (recommended).</li> </ul>

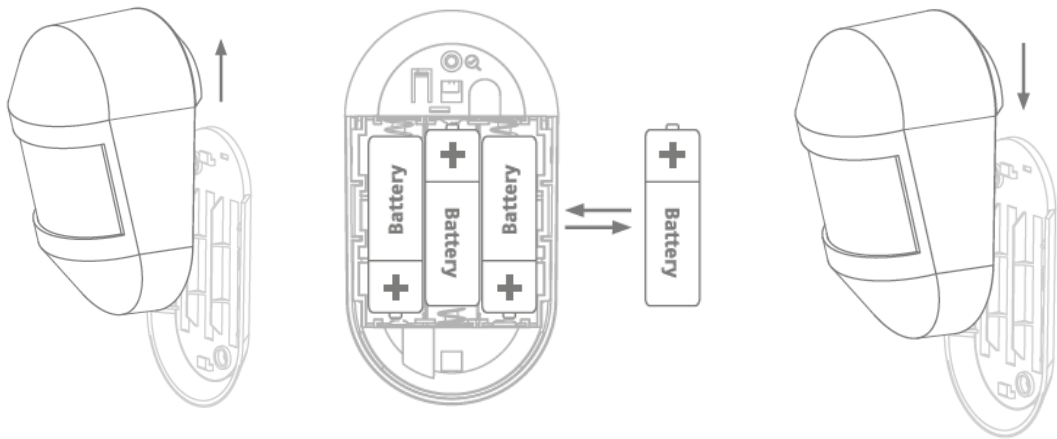
	<ul style="list-style-type: none"> <li>Do not install the motion detector opposite heat sources or windows, above a radiator, close to large metallic structures, close to power cables or gas lines, close to electronic or wireless equipment, or closer than 30 mm to the ceiling.</li> <li>The detector's detection range is directed downwards. For this reason, do not tilt the detector too sharply downwards, as otherwise the range will be restricted. A horizontal, upright position is recommended.</li> </ul>
	<p>Please note further information on the wireless motion detector:</p> <ul style="list-style-type: none"> <li><b>Managing and adding components:</b> Page 69</li> <li><b>Technical data:</b> Page 114</li> </ul>

## 6.3 Installation

	
<p><b>Installation with screws</b></p> <ol style="list-style-type: none"> <li>Slide the back of the motion detector downwards.</li> <li>Screw the mounting plate to the wall.</li> </ol>	<p><b>Mounting with adhesive pads (alternative)</b></p> <ol style="list-style-type: none"> <li>For wall installation, stick the adhesive pads provided on to the rear of the motion detector.</li> <li>For corner mounting, stick the adhesive pads onto the chamfered surfaces of the motion detector.</li> <li>Install the motion detector in the desired installation location on a flat surface.</li> </ol>
	<p>Close the motion detector again by placing it on the mounting plate.</p>

## 6.4 Changing the battery

	<p>The tamper contact may be triggered when the detector battery is changed. To avoid unwanted alarms in this case, you can activate <b>Maintenance Mode</b> (3.17) in the app's advanced settings.</p> <p>Settings &gt; Maintenance Mode &gt; Activate Maintenance Mode </p>
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1. Slide the motion detector upwards and detach it from the mounting plate.
2. Insert 3 new AA batteries.
3. Close the motion detector.



## 7. FUWM45000 Smartvest Pro wireless water detector

### 7.1 Product description

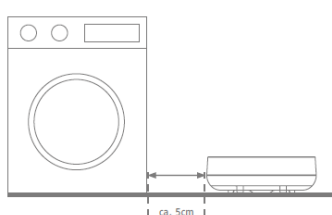


1 Top side	3 Battery compartment
2 Water contacts	4 Feet

### 7.2 Notes

	The water detector is designed for <b>indoor</b> use only. For further information, please refer to the safety instructions relating to installation location and operating environment.
	Please note further information on the wireless water detector: <ul style="list-style-type: none"><li>• <b>Managing and adding components:</b> Page 80</li><li>• <b>Technical data:</b> Page 115</li></ul>

### 7.3 Installation



1. Place the water detector on the floor approx. 5 cm from the potential water source (e.g. washing machine, dishwasher, sink, etc.)



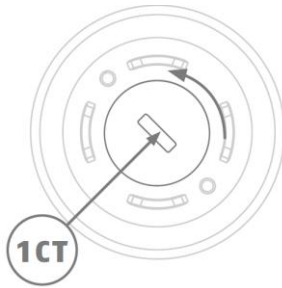
2. As soon as the water detector detects water, the alarm panel is informed and the corresponding alarm is triggered.

## 7.4 Changing the battery

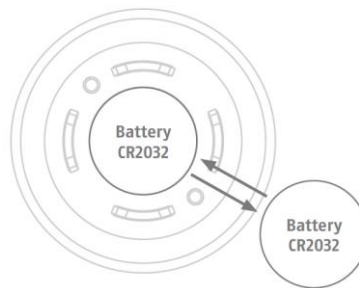


The tamper contact may be triggered when the detector battery is changed. To avoid unwanted alarms in this case, you can activate **Maintenance Mode** (3.17) in the app's advanced settings.

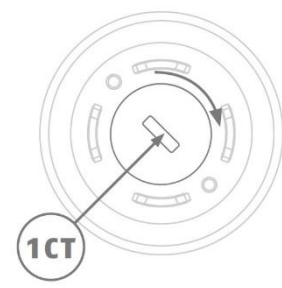
Settings > Maintenance Mode > Activate Maintenance Mode 



1. Open the water detector on the underside using a coin, for example.



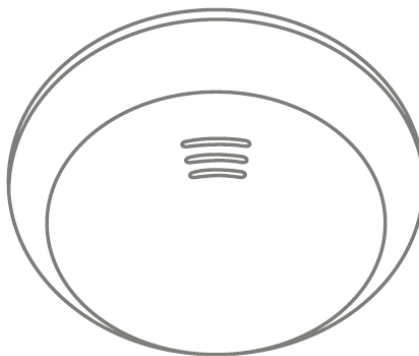
2. Insert a new CR2032 button battery.



3. Close the water detector with the cover.




## 8. FURM45000 Smartvest Pro wireless smoke/heat detector



### 8.1 Product description



### 8.2 Notes

	<p><b>Intended use</b></p> <p>Only use the device for the purpose for which it was built and designed! Any other use is not considered to be the intended use.</p> <p>This device may only be used for the following purpose:</p> <p>Fire and smoke detection in private households</p> <p>This smoke alarm device features a heat warning function. It is not, however, a heat detector as specified by EN 54 or other standards required by law for fire detection systems.</p>
	<p><b>Battery instructions</b></p> <ul style="list-style-type: none"><li>• The device is powered by two 1.5 V AA replaceable batteries.</li><li>• High direct heat may damage the batteries. For this reason, you should not place the device on heat sources (such as radiators) or in direct sunlight.</li><li>• The batteries cannot be recharged.</li><li>• Batteries should only be removed in order to be changed, otherwise the device cannot warn you of a serious incident.</li><li>• To ensure a long service life and safe operation, we recommend the use of high-quality batteries.</li><li>• After replacing the batteries, you must always check that the device is functioning correctly.</li></ul>
	<p><b>Packaging</b></p> <ul style="list-style-type: none"><li>• Keep packaging material and small parts away from children. There is a risk of suffocation.</li><li>• Remove all packaging material before using the device.</li></ul>
	<p><b>Device function</b></p> <p>Please observe the following points to ensure that the device functions properly:</p>


	<ul style="list-style-type: none"> <li>• Do not cover the device.</li> <li>• Do not paint over the device or cover it with wallpaper.</li> <li>• Do not, on any account, open or repair the device. Failure to observe this instruction will invalidate the warranty.</li> <li>• Do not use the device if it has been dropped or damaged in any other way.</li> </ul>
	<p><b>Functional principle and features</b></p> <ul style="list-style-type: none"> <li>• The smoke detector does not detect gas, steam, fire or flames.</li> <li>• People with impaired hearing may not be able to hear the alarm. Alarms with additional optical signalling are available for such cases.</li> <li>• Particularly high electromagnetic radiation could impair the function of the detector. For this reason, do not install the detector near magnets or devices which produce electromagnetic radiation.</li> <li>• The smoke detector operates in accordance with the optical principle (photoelectric reflection) and features a measurement chamber in which infiltrating smoke particles are measured.</li> <li>• If the alarm threshold is exceeded, a loud acoustic alarm sounds. The smoke detector also has a heat detector that triggers an alarm if a threshold value is exceeded.</li> <li>• The alarm is switched off as soon as the measurement chamber is free of smoke again and/or the temperature has fallen back to a normal level.</li> </ul>
	<p><b>What should you do in the event of a false alarm?</b></p> <p>Possible reasons for a false alarm are: Welding and cutting work, soldering and other high-temperature work, sawing and grinding, dust from construction work or cleaning, extreme electromagnetic effects, and temperature fluctuations which lead to condensation of the humidity in the detector.</p> <p>If work which could cause false alarms is being carried out near the detector, the detector should be covered or removed temporarily. After this work is completed, however, it is essential to restore and test the original functionality.</p>
	<p><b>Cleaning</b></p> <p>According to German application standard DIN 14676, the functionality of every installed smoke detector must be regularly tested and ensured by maintenance measures. This consists of an inspection at least once every <math>12 \pm 3</math> months including maintenance and function checks of the warning signals.</p> <p>The measures and results must be documented accordingly.</p> <ul style="list-style-type: none"> <li>• Dusty detectors must be cleaned. You can clean dust from the air vents of the detector using a vacuum cleaner or compressed air.</li> <li>• If necessary, you can remove the dust with a brush.</li> </ul>

	<ul style="list-style-type: none"> <li>You can clean the surface using a cloth slightly dampened in soapy water.</li> <li>Do not allow water to enter the inside of the device. Do not clean the device in a dishwasher.</li> <li>Do not use sharp, pointed, abrasive or corrosive cleaning materials, chemicals or hard brushes.</li> </ul>
	<b>Maintenance</b> <ul style="list-style-type: none"> <li>The electronic components of every smoke detector are subject to ageing processes. In addition, the insect protection grid and smoke measurement chamber will inevitably become soiled over time.</li> <li>In order to guarantee the full functionality of the smoke detectors, they must be exchanged 10 years after installation at the latest.</li> </ul>
	<b>Declaration of performance</b> This smoke detector is tested and certified as a building product in accordance with regulation EU 305/2011. Production is monitored by regular and independent inspections for continued compliance with legal and standard specifications. The declaration of performance FURM45000A#0924 can be found at: <a href="http://www.abus.com/ger/Service/Leistungserklaerungen">www.abus.com/ger/Service/Leistungserklaerungen</a>

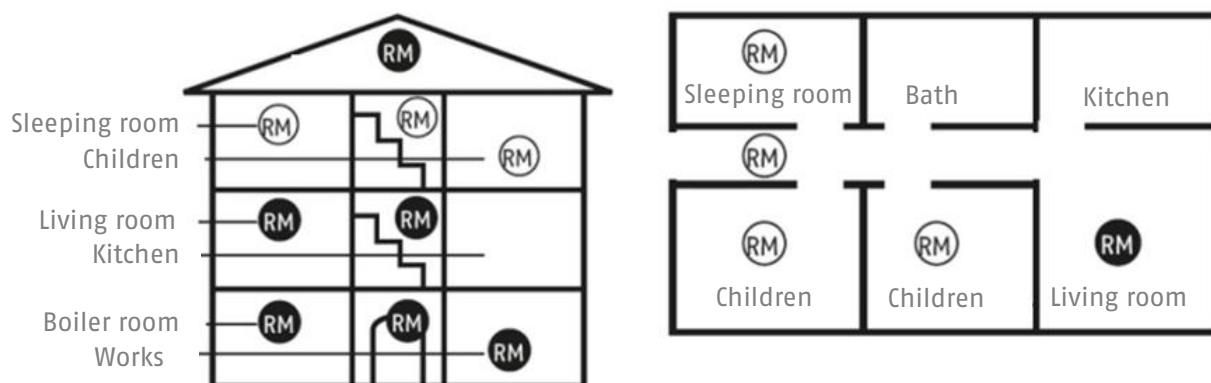
### 8.3 Changing the battery

- Turn the detector anti-clockwise and remove it from the holder.
- Remove the old batteries.
- Insert two new batteries, ensuring that the polarity is correct.
- Test the smoke alarm device. To do so, press and hold the Test button for > 5 seconds; the detector repeats the pattern: 3 alarm tones, 1.5-second pause.
- Turn the detector clockwise onto the mount.

### 8.4 What to do in the event of an alarm


	1. Alert all occupants.
	2. Help children as well as disabled, elderly and sick people.
	3. Close all windows and doors behind you.
	4. Leave the house immediately.
	5. Do not use lifts.
	6. Alert the fire brigade.

## 8.5 Selecting the installation location






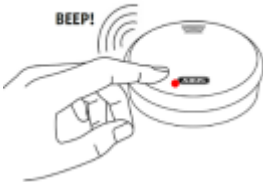

As a minimum, smoke alarms should be installed in the centre of all bedrooms, children's rooms and corridors that serve as escape routes, exclusively on the ceiling (not wall-mounted) (Fig. 2). Select the highest installation location with a minimum distance of 50 cm to surrounding walls, furniture and lamps. Configuration is optimal when devices are located in all other rooms as well as staircases. In washrooms (bathrooms, lavatories etc.), a smoke alarm device is generally not necessary because the risk of fire is low. Please note the graphics in this manual and the detailed information available in the EN14676 standard "Smoke alarm devices for use in residential buildings, apartments and rooms with similar purposes – Installation, use and maintenance".


## Where the smoke alarms should not be installed:

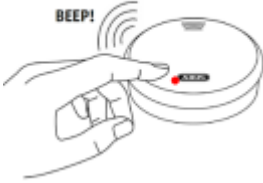
	Outdoors (use only in closed rooms)
	In rooms where the alarm could be triggered by disturbance variables (steam, condensation, "normal" smoke, vapour, dust, dirt or grease)
	Next to an air extractor or similar ventilation opening (draughts)
	In areas in which the temperature can fall below 0°C or rise to over 40°C
	On non-load-bearing surfaces that are not suitable for dowel installation due to their properties

## 8.6 Displays and functions

Normal state	In the normal state, the red control LED under the housing cover flashes once every <b>40 seconds</b> and signals that the detector is ready for operation.
Alarm state: Smoke	<p>If smoke is detected, a loud, pulsing alarm tone sounds and the red LED flashes at the same time at short intervals. In this case, proceed as described in the "What to do in the event of an alarm" section.</p> <p>Alarm tone 0.5 s – pause 0.5 s – alarm tone 0.5 s – pause 0.5 s – alarm tone 0.5 s – pause 1.5 s</p>
Alarm state: Heat	<p>If heat is detected, a loud, pulsing alarm tone sounds and the red LED flashes at the same time at short intervals. In this case, proceed as described in the "What to do in the event of an alarm" section.</p> <p>Alarm tone 0.2 s – pause 0.1 s</p>

<p>Testing the device electronics</p> <div data-bbox="363 775 443 1079">    </div>	<p>Regularly check the functionality of the smoke detector by pressing the Test button. The warning tone signals and the red “ALARM” LED flashes.</p> <div data-bbox="595 387 858 568">  </div> <p>This does not indicate that smoke is present in the air in the room; it is a confirmation that the smoke detector is functioning properly</p> <p>It is essential that you test the function of the detector after installation. A regular test is also recommended.</p> <p>Keep the device at arm’s length to protect your hearing.</p> <p>To carry out the test, press the test button for just 3-5 seconds. Holding the Test button down for 15 seconds will reset the smoke detector to the factory default settings. This will cause it to lose its connection with Smartvest Pro and, where applicable, other smoke detectors.</p>
<p>Low battery</p> <div data-bbox="363 1603 443 1675">  </div>	<p>If the detector's battery charge falls below a certain value, the detector signals this with an acoustic warning tone (every 40 seconds). If this warning signal sounds, the detector batteries must be immediately replaced with new batteries. Pressing the Test button mutes the fault signal for 8 hours.</p> <p>From the time of the first battery warning signal, the detector is still operable and completely functional for at least 30 more days.</p>

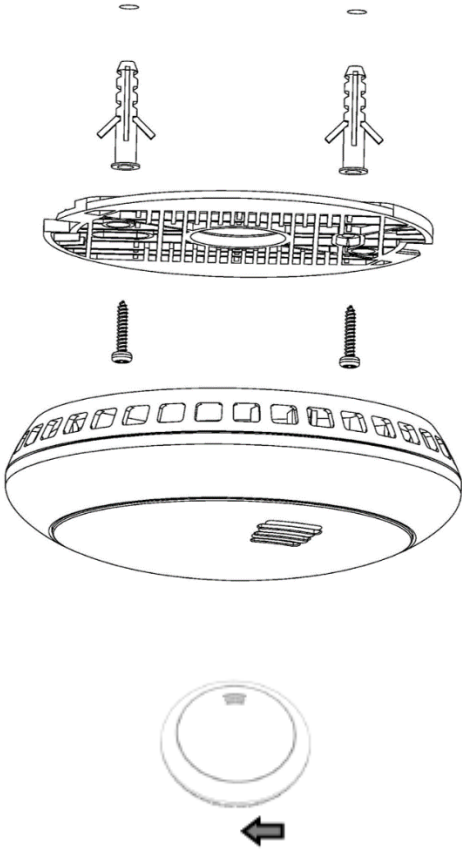


<p>Self-test with automatic error message</p> 	<p>The smoke detector periodically runs a self-test.</p> <p>If the trigger sensitivity of the detector falls below the required minimum threshold (e.g. as a result of excess contamination of the smoke measurement chamber), the detector beeps once every 40 seconds. Pressing the Test button mutes the fault signal for 8 hours.</p> <p>If the error message does not clear after the detector has been cleaned, the detector must be replaced immediately (see “Care and maintenance” section).</p>
	<p>If another detector informs the detector of an alarm, a loud, pulsing alarm tone sounds and the red LED flashes at the same time at short intervals.</p> <p>Alarm tone – alarm tone – pause 1.2 s</p> <p>At the same time, the detector receiving notification of the alarm checks to see how long the other detector has been sending the remote notification.</p> <p>The pulsing alarm tone will stop sounding 60 seconds after the detector which triggered the alarm is muted.</p> <p>To reduce this time, the pulsing alarm tone can be stopped after just 30 seconds by pressing the Test button (for 1 second).</p>
<p>Test alarm triggered by remote notification</p>	<p>Carry out the test as described in the “Testing the device electronics” section.</p> <p>If additional wireless smoke/heat detectors are connected to Smartvest Pro, they will be notified of the test at this point and confirm the test for 60 seconds.</p> <p>A loud, pulsing alarm tone sounds and the red LED flashes at the same time at short intervals.</p> <p>You can mute the detectors receiving the notification at an earlier point by pressing the Test button (for 1 second) 30 seconds after starting the test.</p>

Alarm muting function (hush mode)	<p>If the detector is in the alarm state, the acoustic alarm can be deactivated for 10 minutes by pressing the Test button.</p>  <p>If the muting function is active, the red LED flashes every 8 seconds.</p> <p>If smoke is still detected in the smoke measurement chamber after the ten-minute muting period, the acoustic alarm will sound again.</p>
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## 8.7 Alarm tone overview

Status	LED	Alarm tone
Status: normal	Every 40 seconds	No tone
Alarm Status: Smoke	Simultaneously at short intervals	Alarm tone 0.5 s – pause 0.5 s – Alarm tone 0.5 s – pause 0.5 s – Alarm tone 0.5s – pause 1.5 s
Alarm Status: Heat	Simultaneously at short intervals	Alarm tone 0.2 s – pause 0.1 s
Status: Low Batterie	At the same time as the tone	Every 40 seconds
Dirty smoke chamber	Not at the same time as the tone	Every 40 seconds
Alarm triggered by other smoke detectors	Not at the same time as the tone	Alarm tone – alarm tone - pause 1.2 s
Test alarm triggered by other smoke detectors	Simultaneously at short intervals	Alarm tone – alarm tone - pause 1.2 s

## 8.8 Installation and start-up

	<p>Take the following steps in the specified order to install the detector on the ceiling:</p> <ol style="list-style-type: none"><li>1. Loosen the smoke detector from the housing base by turning it anticlockwise.</li><li>2. Insert the batteries, ensuring that the polarity is correct.</li><li>3. Mark drill holes through the housing base.</li><li>4. Drill the necessary holes and attach the screw anchors, then screw on the detector base.</li><li>5. Mount the smoke detector on the detector base by turning it clockwise.</li></ol> <p> When marking out the drill holes, make sure there are no electrical wires or cables, pipes or other important components behind the mounting location.</p> <p> Failure to follow the instructions for the selection of a location and installation may result in risk of injury, e.g. from smoke detectors falling down.</p>
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## 8.9 Connecting the detector to the Smartvest alarm panel

The Smartvest wireless smoke/heat detector can be connected to a Smartvest Pro alarm panel. To do this, follow the instructions in the Smartvest Pro app. The pairing process must first be started in the app. The batteries are then inserted in the detector and the connection is established between the detector and the alarm panel.

Once the detector has been connected to the Smartvest Pro alarm panel, the detector alerts all other Smartvest wireless smoke/heat detectors within range that are connected to the same Smartvest Pro alarm panel and also the alarm panel itself in the event of an alarm. The alarm panel will then react in accordance with the alarm settings and will activate sirens or send notifications, for example.

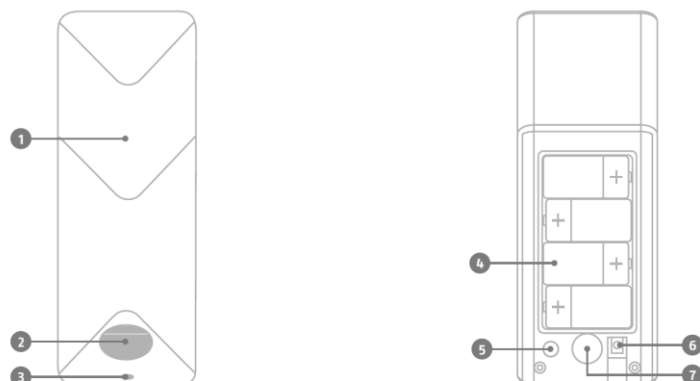
## 8.10 Connecting the detector to identical detectors

The Smartvest Pro wireless smoke/heat detector can also be connected to other Smartvest Pro wireless smoke/heat detectors without a Smartvest Pro alarm panel. To do this, follow these steps:

1. Define one detector as the central detector.
2. Insert the batteries into the central detector and wait 3 seconds.
3. Press and hold the Test button on the central detector for more than 10 seconds until the LED starts flashing quickly. Now release the Test button.
4. Insert the batteries into the detector that is to be connected to the central detector and wait a few seconds – the connection will be established automatically.
5. Test whether the detectors have been successfully connected to each other: To do so, press the Test button on one of the detectors and hold it until it triggers an alarm tone at least three times. The connected detectors now signal the remote notification alarm state.
6. Press the test button for 15 seconds to reset the smoke detector to the factory default settings and to end the connection to the other smoke detectors.



## 9. FUSG45000 Smartvest Pro wireless siren


### 9.1 Product description



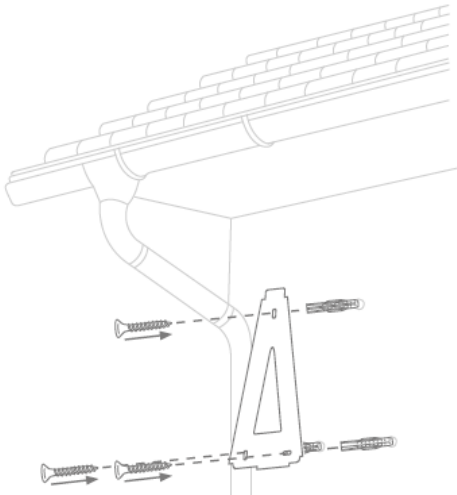
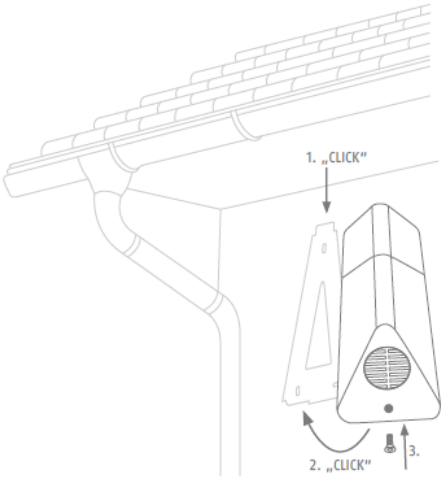
1 LED	Red LED flashing light
2 Loudspeaker	Siren loudspeaker adjustable to 80db or 100db volume
3 Fixing screw	For mounting
4 Battery compartment	4 x C (1.5 V) batteries for power supply (up to two years battery life)
5 Pair button	Button for manual pairing with the Smartvest Pro
6 5 V DC power supply	To connect the power supply unit
7 Tamper contact	Tamper contact for alerting in the event of unwanted removal

### 9.2 Notes



	The siren is suitable for <b>indoor and outdoor</b> use. For further information, please refer to the safety instructions relating to installation location and operating environment.
	<p><b>General installation instructions</b></p> <ul style="list-style-type: none"> <li>The tamper contact may be triggered when installing the siren. In this case, the siren is set to "<b>LED</b>" by default. If you have already configured the siren to "<b>Siren</b>" or "<b>LED and siren</b>", please set it back to "<b>LED</b>" before installation. Otherwise, if for instance the siren's alarm tone is suddenly triggered when carrying out an installation at a great height, this could lead to a serious accident and physical injury or damage.</li> <li>Alternatively, you can activate maintenance mode in order to avoid unwanted alarms.</li> <li>When testing the siren's acoustic alarm tone, always maintain a minimum distance of 3 m in order to avoid physical damage (e.g. to hearing).</li> <li>The siren is only suitable for use in protected outdoor areas (IP44)</li> </ul>

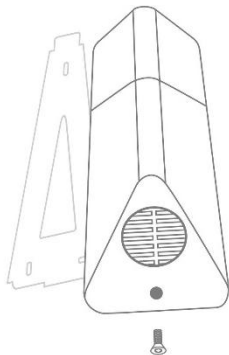
	<ul style="list-style-type: none"> <li>• Ensure that the siren is installed out of hand's reach (minimum 3 m installation height).</li> <li>• When choosing the installation location, ensure that the siren can be seen and heard from a long distance.</li> <li>• Pressing the tamper contact for the first time activates the siren. After this, if the tamper contact is triggered, the tamper alarm is triggered.</li> </ul>
	<p>Please note further information on the wireless siren:</p> <ul style="list-style-type: none"> <li>• <b>Managing and adding components:</b> Page 73</li> <li>• <b>Technical data:</b> Page 116</li> </ul>

### 9.3 Installation

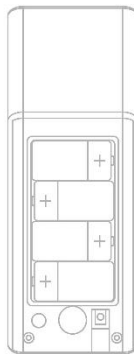
	
<p>Affix the drilling template provided for the siren at the desired installation location. Use a spirit level to ensure the drilling template is straight. Drill holes in the specified positions and insert the screw anchors provided. Remove the drilling template.</p> <p>Attach the A-shaped bracket to the wall using the screws.</p>	<p>Connect the power supply unit provided to the siren and hook the sirens into the bracket from above (click 1), then press it against the wall (click 2).</p> <p>Now tighten the small screw on the underside of the bracket.</p>

## 9.4 Changing the battery

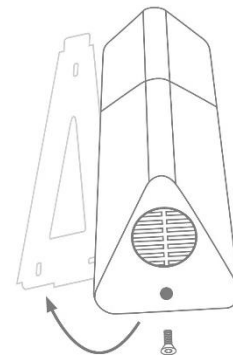
	<p>The tamper contact may be triggered when the siren battery is changed. To avoid unwanted alarms in this case, you can activate <b>Maintenance Mode</b> (3.17) in the app's advanced settings.</p> <p>Settings &gt; Maintenance Mode &gt; Activate Maintenance Mode </p>
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1. Open the screw on the underside of the siren.



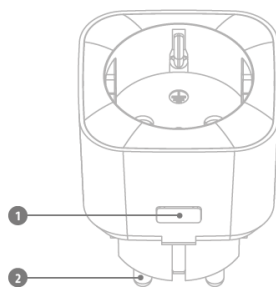
2. Open the back and insert 4 C batteries.



3. Attach the siren as described in Fig. 2 in Chapter 9.3.




## 10. FUHA45000 Smartvest Pro wireless socket

### 10.1 Product description

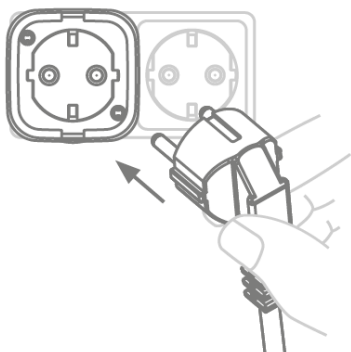


1 On/Off button = Status LED	<b>Blue status LED</b> <b>Lit blue:</b> Device is transmitting mains voltage <b>Off:</b> Device is not transmitting mains voltage Press the button once to switch the wireless socket on or off.
2 Schuko plug	Schuko plug type F (CEE 7/4). Can be used in the following countries: Germany, Austria, Sweden, Netherlands

### 10.2 Notes

	The wireless socket is only suitable for indoor use. For further information, please refer to the safety instructions relating to installation location and operating environment. Wireless sockets must never be connected in series.
	It is only ever possible to connect one component to a wireless socket.
	Please note further information on the wireless socket: <ul style="list-style-type: none"><li>• <b>Managing and adding components:</b> Page 82</li><li>• <b>Technical data:</b> Page 116</li></ul>

### 10.3 Installation


	Plug the wireless socket into a wall socket and then plug in the desired electrical consumer (e.g. lamp).
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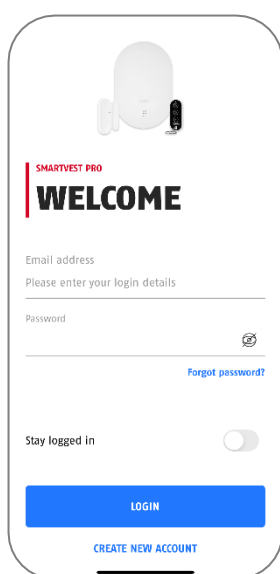
### III. APP SETUP



Please go to the Apple or Android App Store and download the **Smartvest Pro app** or use the QR code above.

#### 1. ACCOUNT CREATION

	<p>If you already have an ABUS One account, please use this account (email address and password) to log in to the Smartvest Pro app so that you can add and use ABUS One products in the Smartvest Pro app. In this case, please do not create a separate account. For additional users, please create the account via the invitation in the <b>app configuration</b> (4) under <b>User management</b> (4.1.2).</p>
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#### Creating a new account:

To use the Smartvest Pro, you first need a valid ABUS One account. If you do not yet have an account, you can create a new account at any time. To do this, press the "Create new account" button on the app login screen. A new window will open.

You need the following details for an ABUS One account:

- Salutation (Mr or Mrs)
- First name
- Surname
- Email address with access
- Password

Once you have filled in all the details and accepted the terms and conditions, please press the "**Create account**" button. You will receive a verification code by email, which you then enter in the app.

As soon as the account has been activated, you can log into the app with your email address and the password you have chosen.

### Resetting the password:





In the event that you forget your password, you can reset the current password at any time. To do this, first press the "Forgot password?" button on the app login screen.






This will take you to the next page. Now enter the email address that matches your account and click on the "Reset password" button. A confirmation email with a verification code will then be sent to the email address you provided.

The app prompts you to enter the code. Once the code has been confirmed, you can assign a new password and then log in again successfully.

## 2. IMPORTANT NOTES BEFORE INITIAL START-UP

Please observe the following instructions before starting up for the first time:

	If you already have an <b>ABUS One account</b> , please use this account (email address and password) to log in to the Smartvest Pro app so that you can add and use ABUS One products in the Smartvest Pro app. In this case, please do not create a separate account. For additional users, please create the account via the invitation in the app configuration under "User management".
	You can change the details you enter when creating an account (name, salutation, etc.) later in the account settings.
	As part of the account creation process, you will receive a <b>security code</b> by email to the email address provided. Please enter this code in the app.
	The account with which the alarm panel is initially put into operation automatically receives the permission as "Admin" and is also defined as the owner. <b>Admin rights</b> cannot be withdrawn from the owner and the owner has all permissions to manage the alarm system, including deleting the alarm panel, removing other users, etc. You can find a user list in 0.

	<p>Please have your <b>Wi-Fi access data</b> ready. Some routers offer the option of conveniently scanning the factory access data from a QR code with the camera of your smartphone; please check your router, you may also find the QR code in the web interface of your router.</p>
	<p>The Smartvest Pro alarm panel supports <b>2.4 GHz</b> Wi-Fi networks and a maximum of 31 characters for the Wi-Fi password.</p>
	<p>The alarm panel uses <b>Bluetooth</b> to connect to your smartphone and the access data for the home network is shared in this way. Please ensure that the alarm panel and smartphone are in close proximity and that Bluetooth permissions, Bluetooth, location permissions, location and local network search are activated.</p>
	<p>Activate the <b>power supply</b> to the alarm panel by pressing the switch on the back of the alarm panel. This establishes the power supply for the alarm panel via the integrated battery. Deactivate the alarm system when installing a mobile communication module to prevent damage to the mobile communication module and the system. You can also switch off the alarm system when installing tamper-protected detectors to prevent tamper alarms.</p>
	<p>Please note: <b>Avoid tamper alarms</b> during start-up by only using the mounting plate for final installation on the wall and not pressing and releasing the tamper alarm button. When you insert the mounting plate on the back of the alarm panel, the tamper alarm is activated immediately and automatically and an alarm sounds when you remove the mounting plate again. The mounting plate presses in the button for the tamper alarm and releasing this button triggers the alarm. To end the alarm, switch off the alarm panel during start-up using the switch on the back. Tamper alarms are also available for magnetic contacts, vibration detectors and motion detectors; with these components, the tamper alarm is triggered when the battery compartment cover is removed. With the external siren, the tamper alarm is designed so that tearing the siren off the wall already triggers the alarm.</p> <p><b>Tip:</b> As long as you could trigger the tamper alarm during start-up of the detectors, please use the "<b>Maintenance Mode</b>" in the app. The maintenance mode deactivates itself after 5 minutes. Alternatively, you can, for example, switch off the alarm panel while you are fitting the detectors at their intended installation location by pressing the switch on the back, see also item 1.1.</p>



Please observe the enclosed **installation instructions**. Please pay particular attention to mounting the alarm panel and the keypad on the wall using a mounting plate, as this is the only way to ensure the tamper protection function.



Activate 2-factor authentication for disarming as described in chapter 3.9.2.



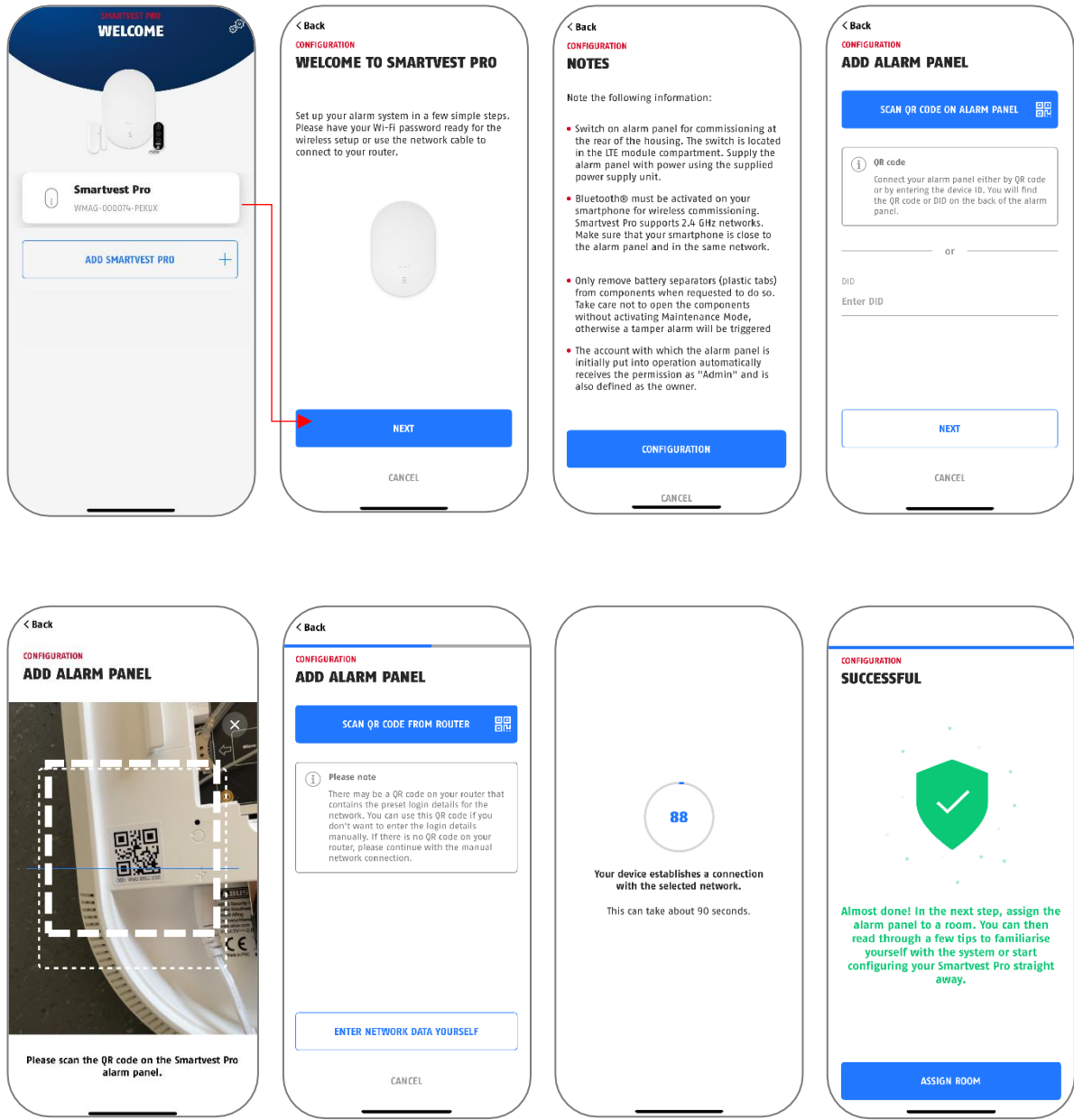
Only the following **special characters** are possible when entering the Wi-Fi password:

%	(	)	-	.	:	=
^	_	{	}	~	!	#
\$	"	*		;	[	]
+	@	~	?	/	\	

### 3. SMARTVEST PRO APP

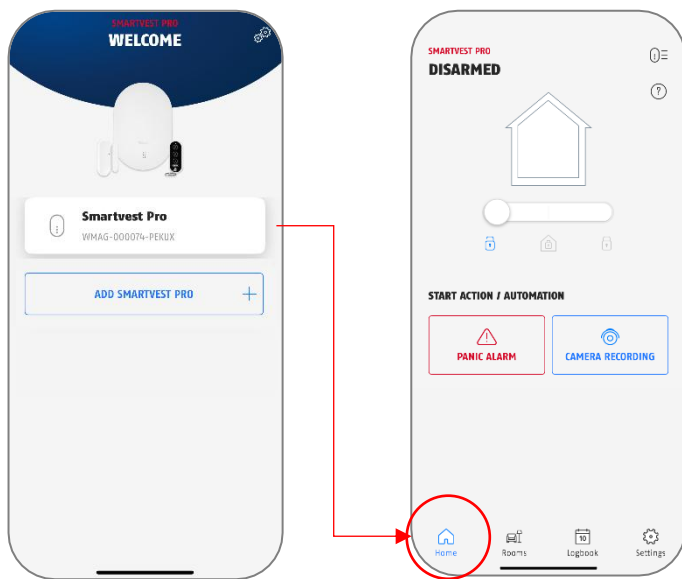
#### 3.1 Initial start-up

You will be guided step by step through the initial start-up process.








Please follow the instructions on your smartphone.

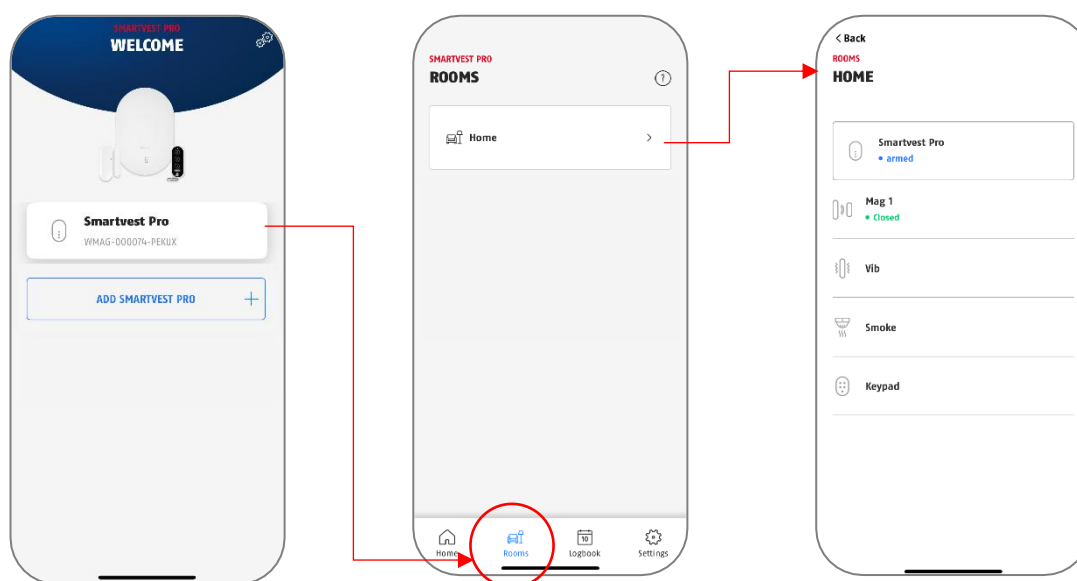
## 3.2 Home



The **Home** area gives you an overview of your alarm system and you can quickly and easily arm/disarm it, start your defined actions/automations or view the live image from your camera.

	<b>Alarm system disarmed:</b> All intruder alarms are deactivated/inactive/off (e.g. magnetic contacts, motion detectors and, depending on the detector mode, vibration detectors). They cannot trigger an alarm in this state.
	<b>Alarm system internally armed:</b> All motion detectors are deactivated/inactive/off. They cannot trigger an alarm in this state. Other detector types are still active. This allows you to move around the house while magnetic contacts on windows and doors, for example, continue to secure entrances. You can also use this mode to secure your home at night, for example.
	<b>Alarm system armed:</b> All intruder alarms are activated. They immediately trigger an alarm when they detect something. You should use this mode when you leave the house.
	<b>Alarm scenario:</b> If the Smartvest Pro alarm panel is in alarm status, all other taught components become active. Triggering events of these components are entered as an "alarm scenario" in the logbook and an alarm push notification is sent.
	Hazard detectors e.g. smoke detectors, water detectors and vibration detectors (if <b>round-the-clock</b> mode is activated) are active in every status. They always trigger an alarm in the corresponding case, even if the alarm system is disarmed.



### 3.3 Rooms



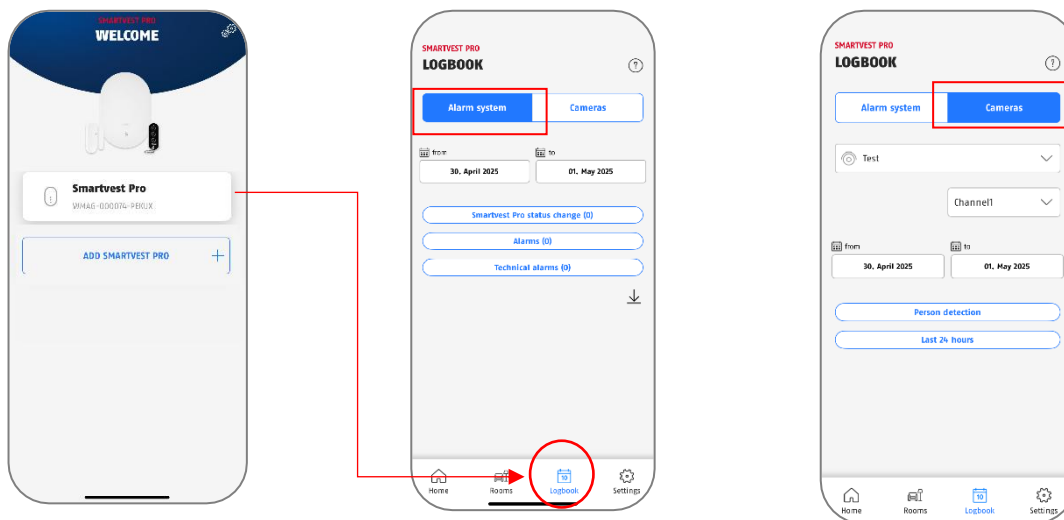
The **Rooms** area in the app displays all rooms to which the alarm panel and components have been assigned in a clearly arranged list.

You can display each room individually by clicking on the relevant room in the overview. Further details are displayed there, such as the name of the component stored in this room. You can also see the **status of the components**. This makes it possible for you to obtain an overview quickly.

#### Status of the components:

Green	Camera connected to Smartvest Pro Magnetic contact is closed
Blue	Alarm system is armed
Orange	A warning is present, e.g. low battery
	Status of ABUS One door/window drives
	On/Off

### 3.4 Logbook



Events relating to your alarm system are logged and saved in the logbook. Up to 1,000 entries can be saved, after which the oldest entries are overwritten.

You can save the **event list** on your mobile device by downloading the event list using the download button at the top right.

The logbook offers a filter function by **date and time** so that you can quickly find the event you are looking for. To do this, simply press the **Date** area, you can then set the time interval and the time. The default setting filters for events in the last 24 hours.

In addition, you can choose one of of four event types

#### 1. Smartvest Pro status change

All status changes are logged here. If the alarm panel could not be armed using the Inevitability function, this is also stored.

#### 2. Alarms

Here you can see the alarms that have been logged by the alarm system, e.g. tamper alarm, magnetic contact, etc.

#### 3. Technical alarms

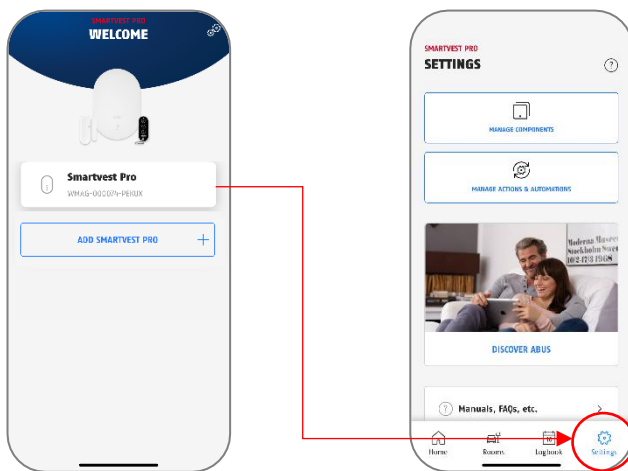
Technical alarms area alarms such as loss of connection to components, low battery capacity, failure of the mains power supply, failure of the connection to the home network (via LAN or Wi-Fi).

#### 4. Cameras

Here you can view, filter and download all your camera recordings.

As in the App2Cam Plus, the filter options available to you are "Person recognition" and "Last 24 hours". Downloaded recordings can be found in the photo gallery of your smartphone.

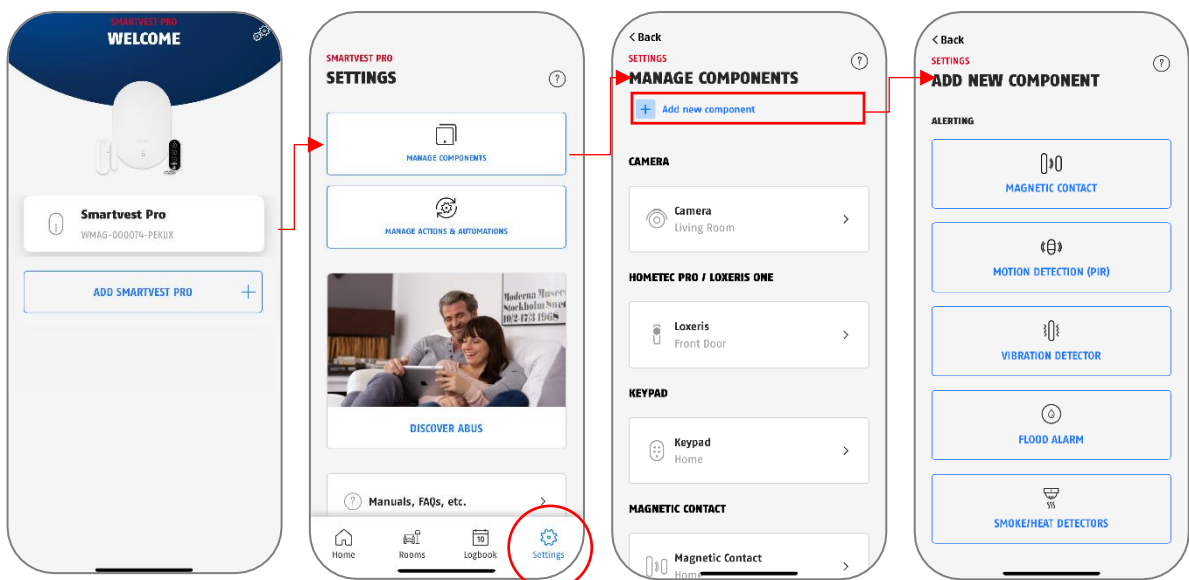
### 3.5 Settings



To adjust the settings of the Smartvest Pro alarm panel, first select the appropriate alarm panel in the overview and navigate to the Smartvest Pro menu item using the **Settings** button at the bottom right of the start screen.

As soon as you have selected the menu item, you are in the menu for the alarm panel settings.

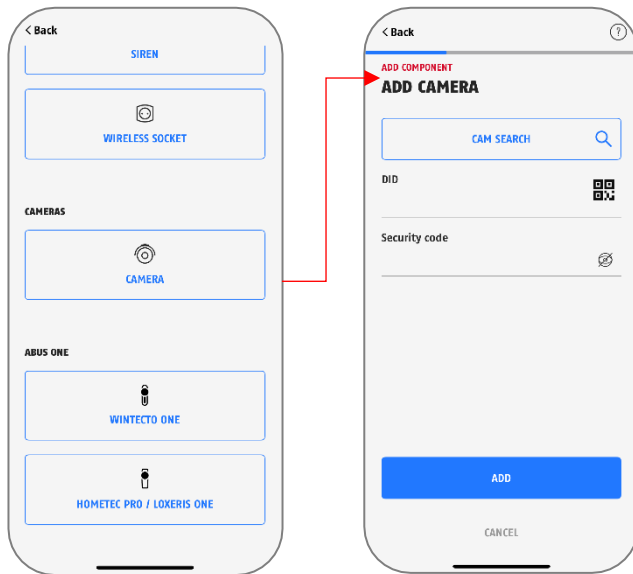
The setting options are listed below.



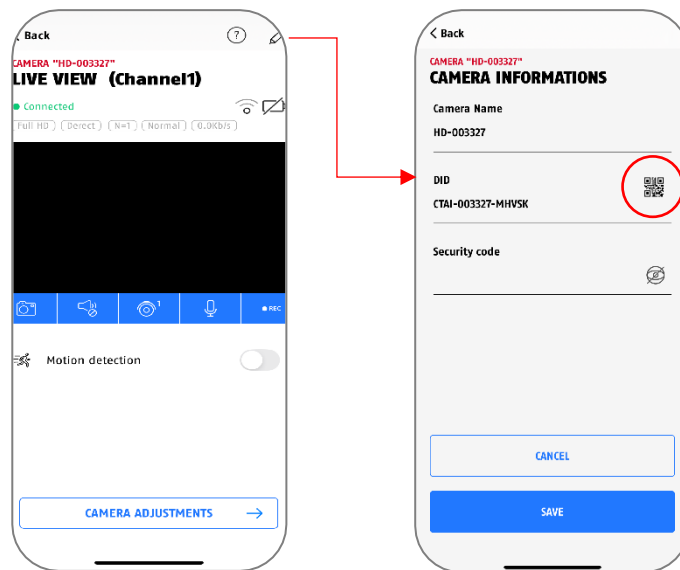
The **components** can be **managed** and **new components added** under the **Manage components** menu item. In this menu it is possible to change general properties such as room, name, sensitivity and volume, and also component-specific settings.

### 3.5.1 Camera

To **register** an ABUS Wi-Fi camera in the Smartvest Pro alarm panel, please proceed as follows:



1. You need the Smartvest Pro iOS / Android app.
  2. The camera must already have been set up with the ABUS App2Cam Plus app. You can find out more about this step in the ABUS App2Cam Plus instructions.
  3. If the ABUS Wi-Fi camera is not in the same network, you will need your camera DID. Otherwise, only the security code is required. Where you can find your DID is explained in the next step. Alternatively you can find the information in your camera instructions.
- 
1. Register the camera via the **"Settings"** menu in the app under the menu item **"Manage components" > "Add new component"**.
  2. Select the corresponding component (camera) from the list.
  3. In the next step, you must enter the DID of the ABUS Wi-Fi camera that you want to connect. There are 3 options for this:
    1. If your smartphone is in the same network as the camera (the smartphone is connected to the same Wi-Fi router), you can use the "Camera search" option. Here you can then select the DID of the desired ABUS Wi-Fi camera.
    2. You can copy the DID from the APP2CAM PLUS app and enter it manually in the text line. You can see exactly where the DID is located in the illustration on the next page.

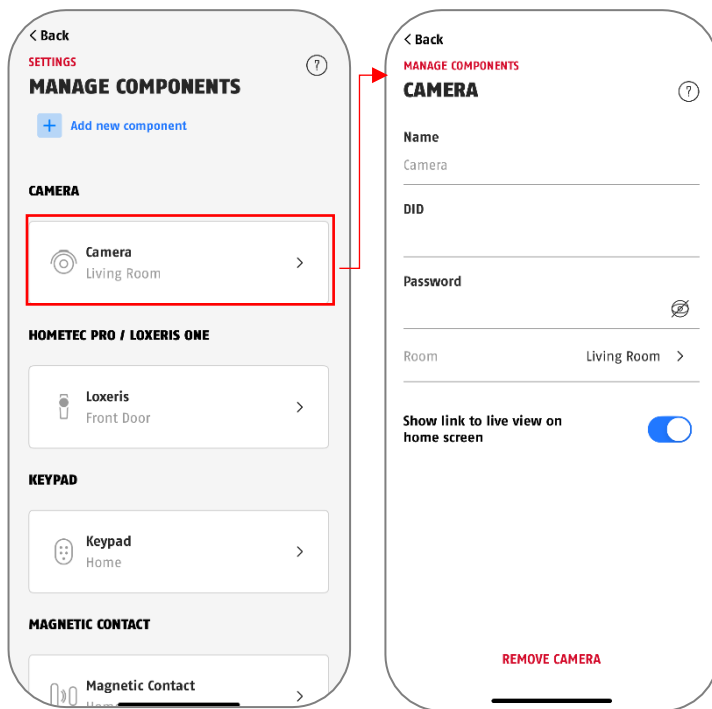


3. You can scan the DID QR code located on the PPIC camera. To do this, press the "QR-CODE" icon to the right of the "DID" text line.
4. To continue, you must now enter the security code of your ABUS camera and confirm with "Add". The camera is then added to your Smartvest Pro system.



The following camera models are suitable for use with the Smartvest Pro:  
PPIC52520, PPIC54520, PPIC42520, PPIC44520, PPIC31020, PPIC46520, PPIC91000

To **manage** the camera in the Smartvest Pro alarm panel, please proceed as follows:



**Name:**

The display name of the camera can be changed here.

**Room:**

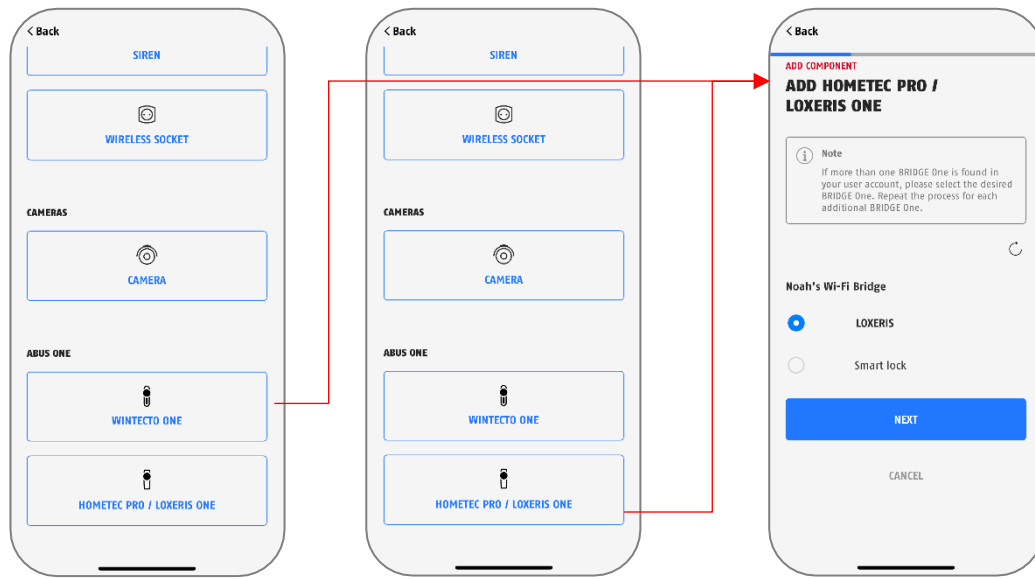
The room assignment can be changed here.

**Show link to live view on home screen:**

If this option is activated, the camera is displayed on the home screen.

### 3.5.2 Integrating ABUS One door/window drives

To **register** ABUS LOXERIS One / WINTECTO One / HomeTec Pro in the Smartvest Pro alarm panel, please proceed as follows:



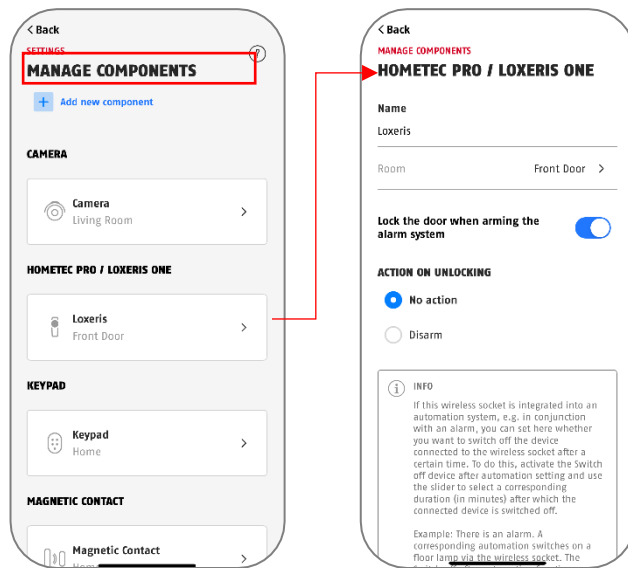
#### Preparatory steps

1. You need the Smartvest Pro iOS / Android app and the ABUS One iOS / Android app.
2. To integrate an ABUS door/window drive, it must already have been set up in the ABUS One app and linked to the ABUS One Bridge.
3. For logging into the Smartvest Pro app, you must have used the same account as for ABUS One (access data: email address and password).

#### Integration into the alarm system

1. Register the component via the "**Settings**" menu in the app under the menu item "**Manage components**" > "**Add new component**".
2. A list of different components is displayed here, select "LOXERIS One / HomeTec Pro" or "WINTECTO One".
3. In the next step, the name of your ABUS door/window drive is displayed. Select this and confirm the selection with "Next".
4. The successful addition of a component is confirmed in the app and you can now manage and use the added component in the settings.

To **manage** ABUS LOXERIS One / WINTECTO One / HomeTec Pro in the Smartvest Pro alarm panel, please proceed as follows:



#### Name:

The display name of the drive can be changed here.

#### Room:

The room assignment can be changed here.

#### Lock the door when arming the alarm system:

If this option is activated, your WINTECTO One / LOXERIS One / HomeTec Pro closes automatically as soon as the Smartvest Pro is armed. Only locking is possible via the Smartvest Pro app; unlocking is not possible.

With WINTECTO One, no locking takes place if the window is tilted.

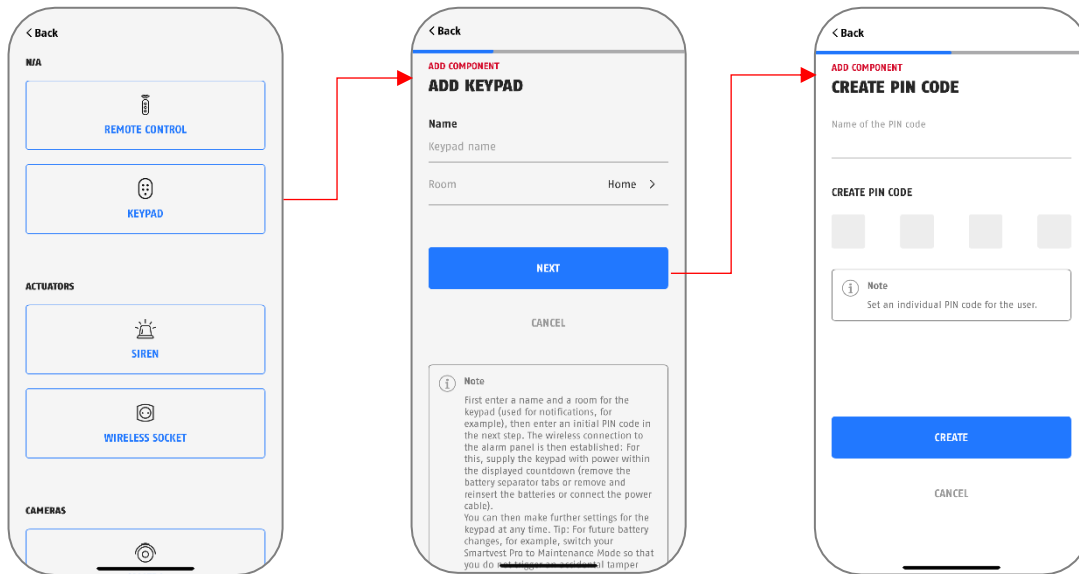
#### Action on unlocking:

You can use the alarm system so that unlocking an ABUS door/window drive using and operating medium (remote control, keypad, finger scanner or app) automatically disarms the alarm system.

- **No action:** If you unlock your WINTECTO One / LOXERIS One / HomeTec Pro, the alarm system performs no action and remains in the set alarm status.
- **Disarm:** If you unlock your WINTECTO One / LOXERIS One / HomeTec Pro, the Smartvest Pro is automatically disarmed. It is recommended to set an entry delay to bridge network delays.

### 3.5.3 Wireless keypad

To **register** the keypad in the Smartvest Pro alarm panel, please proceed as follows:



#### Preparatory steps

1. You need the Smartvest Pro iOS / Android app.
2. You must keep the keypad to hand.
3. Please ensure that the keypad and the Smartvest Pro alarm panel are in close proximity to each other.

#### Integration into the alarm system

1. Register a component via the **"Settings"** menu in the app under the menu item **"Manage components"** > **"Add new component"**.
2. Select the relevant component from the list.
3. Assign a name for each component (this is used for notifications, for example) and assign a room.
4. You will then be asked to enter a 4-digit PIN code for your keypad.
5. Press the **"Next"** button in the app and supply the keypad with power or activate the battery during the app countdown. There are two ways to do this.
  - If the keypad is new, there is a transparent plastic tape at the side. Pull this out of the keypad during the app countdown to complete the set-up process.
  - If you have already removed the plastic tape, please remove the battery, wait at least 5 seconds and reinsert it again.
6. The successful addition of a component is confirmed in the app and you can now manage and use the added component in the settings.

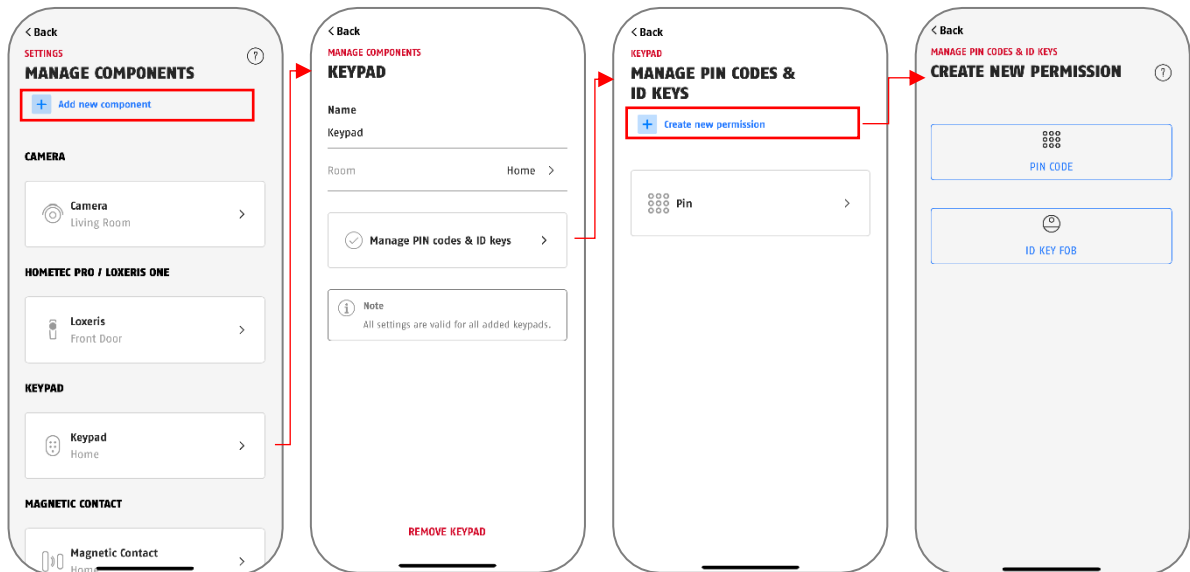


#### WARNING!

As soon as the keypad has been mounted on the wall mounting plate, the tamper alarm is armed. This is triggered when the keypad is removed from the wall mounting plate.

To avoid an alarm and to be able to change the battery without any worries, please activate the **"Maintenance Mode"** option in the app (3.17).

To **manage** the keypad in the Smartvest Pro alarm panel, please proceed as follows:



#### Name:

The display name of the wireless keypad can be changed here.

#### Room:

The room assignment can be changed here.

#### Manage pin codes & ID keys:

You can add new PIN codes or ID keys in this menu. You can also manage the PIN codes or ID keys you have already created.

You can set these options for PIN codes and ID keys that have already been created:

- **Change PIN code & schedule**

You can assign a schedule to the PIN code or ID key you have created. The schedule defines the time during which the PIN code or ID key is active. The PIN code or ID key will not work outside the time defined in the schedule. By default, all newly created PIN codes and ID key fobs are provided with a 24/7 schedule to ensure that they work permanently.

- **Delete PIN code or ID key**

You can delete PIN codes and ID key fobs at any time.

**Mute the keypad:**

You have the option of muting the button tones on your keypad.

To **activate** the mute function, wake up your keypad by pressing any button.

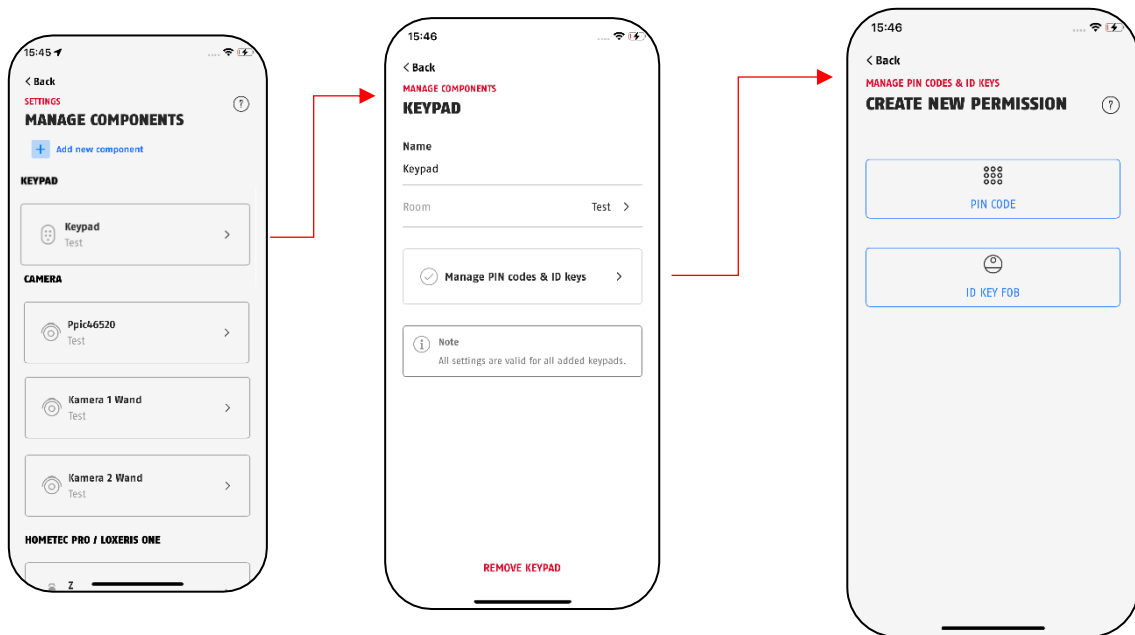
Then briefly press the **panic button once**, followed by **button 1**.

To **deactivate** the mute function, first wake up your keypad by pressing any button.

Then briefly press the **panic button once**, followed by **button 2**.

### 3.5.4 Teach-in ID key fob

To teach the ID key fob to the wireless keypad, please proceed as follows:

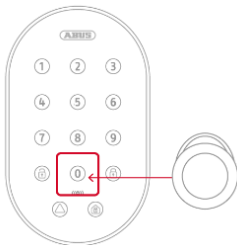


#### Preparatory steps

1. You need the Smartvest Pro iOS / Android app.
2. You must keep the keypad and ID key fob to hand.
3. Please ensure that the keypad and Smartvest Pro alarm panel are in close proximity to each other.

#### Integration into the alarm system

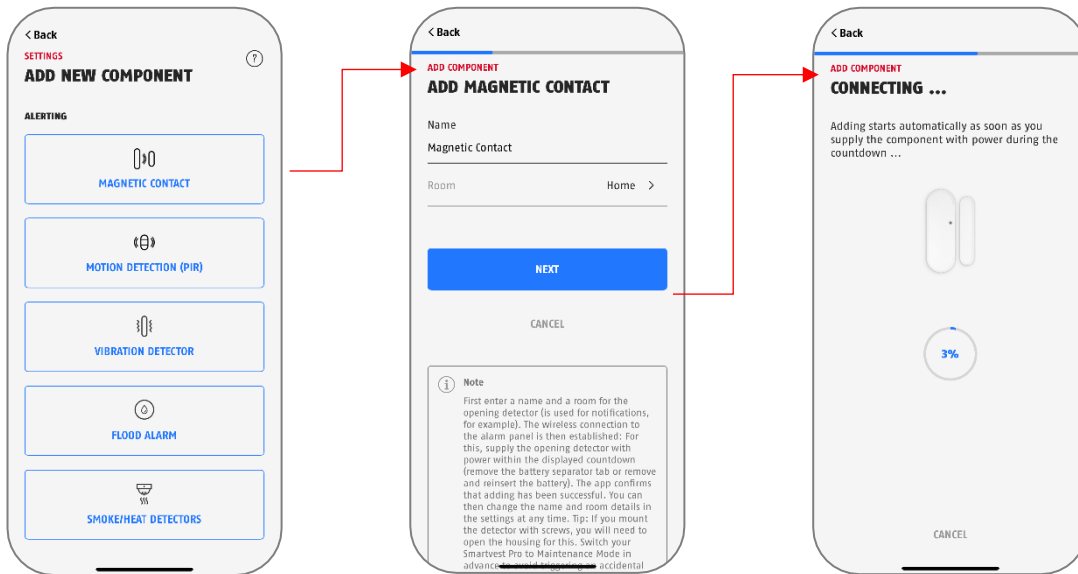
1. Start the learning process via the "Settings" menu > "Manage components" > "Your keypad" > "Manage PIN CODES & keys" > "Create new permission" > "ID key fob"
2. Assign a name to your ID key fob.
3. Press the "Next" button in the app
4. Tap any button on the keypad once to wake it up, then hold the ID key fob to the lower front of the control panel in the area of the "0" button.



All codes / ID key fobs and their settings are valid for all wireless keypads.

### 3.5.5 Wireless magnetic contact

To **register** the magnetic contact in the Smartvest Pro alarm panel, please proceed as follows:




#### Preparatory steps

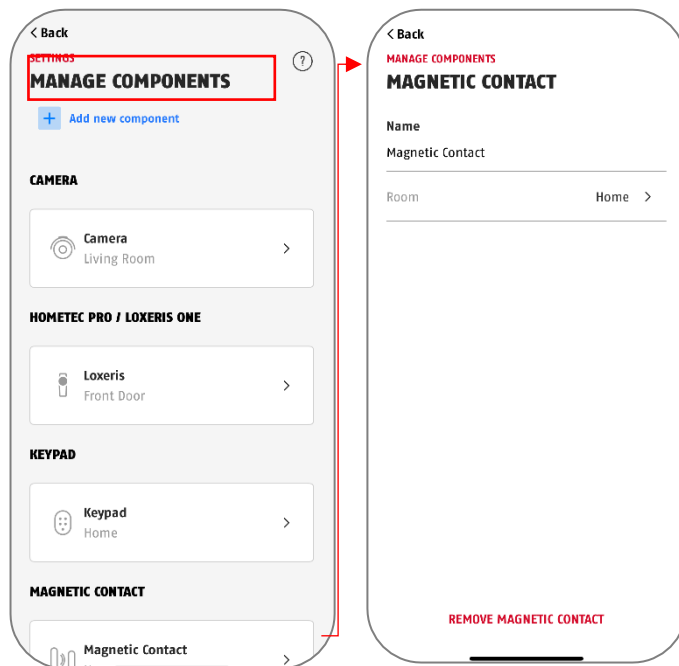
1. You need the Smartvest Pro iOS / Android app.
2. You must keep the magnetic contact to hand.
3. Please ensure that the magnetic contact to be registered and the Smartvest Pro alarm panel are in close proximity to each other.

#### Integration into the alarm system

1. Register a component via the **"Settings"** menu in the app under the menu item **"Manage components"** > **"Add new component"**.
2. Select the relevant component from the list.
3. Assign a name for each component (this is used for notifications, for example) and assign a room.
4. Press the **"Next"** button in the app and activate the battery during the app countdown. There are two ways to do this.
  - If the magnetic contact is new, there is a transparent plastic tape on the side. Pull this out of the detector during the app countdown to complete the set-up process.
  - If you have already removed the plastic tape, please remove the battery, wait at least 5 seconds and reinsert it again.
5. The successful addition of a component is confirmed in the app and you can now manage and use the added component in the settings.

	<p><b>WARNING!</b></p> <p>As soon as the magnetic contact has been set up and the housing cover has been closed again, the tamper alarm is armed. This will be triggered when the housing cover is opened again. To avoid an alarm and to be able to change the battery without any worries, please activate the "Maintenance Mode" option in the app (3.17).</p>
---	---

To **manage** a magnetic contact in the Smartvest Pro alarm panel, please proceed as follows:



**Name:**

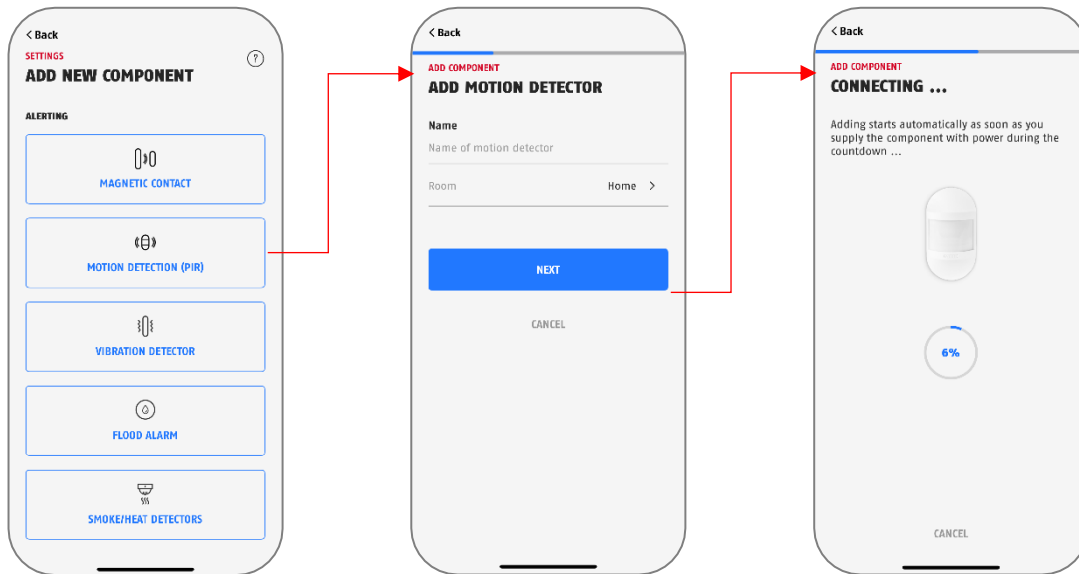
The display name of the detector can be changed here.

**Room:**

The room assignment can be changed here.

### 3.5.6 Wireless motion detector (PIR)

To **register** the motion detector in the Smartvest Pro alarm panel, please proceed as follows:



#### Preparatory steps

1. You need the Smartvest Pro iOS / Android app.
2. You must keep the motion detector to hand.
3. Please ensure that the motion detector to be registered and the Smartvest Pro alarm panel are in close proximity to each other.

#### Integration into the alarm system

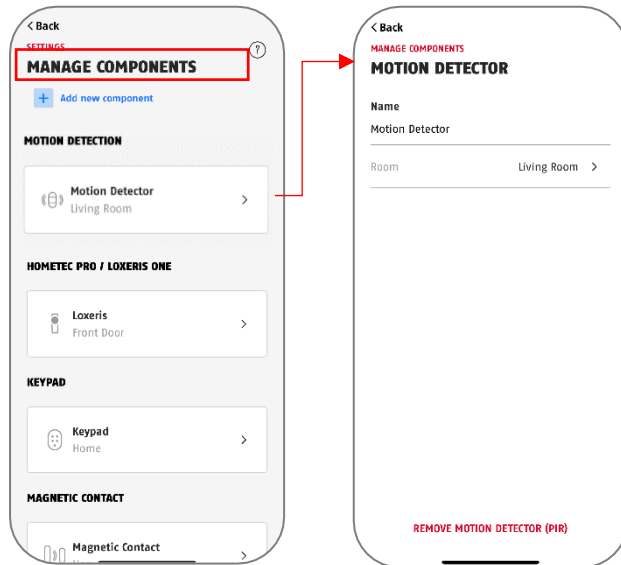
1. Register a component via the "**Settings**" menu in the app under the menu item "**Manage components**" > "**Add new component**".
2. Select the relevant component from the list.
3. Assign a name for each component (this is used for notifications, for example) and assign a room.
4. Press the "**Next**" button in the app and activate the battery during the app countdown. There are two ways to do this.
  - If the motion detector is new, there is a transparent plastic tape at the side. Pull it out of the detector during the app countdown to complete the set-up process.
  - If you have already removed the plastic tape, please remove the battery, wait at least 5 seconds and reinsert it again.
5. The successful addition of a component is confirmed in the app and you can now manage and use the added component in the settings.



#### WARNING!

As soon as the motion detector has been set up and the housing cover has been closed again, the tamper alarm is armed. This will be triggered when the housing cover is opened again. To avoid an alarm and to be able to change the battery without any worries, please activate the "Maintenance Mode" option in the app (3.17).

To **manage** a motion detector in the Smartvest Pro alarm panel, please proceed as follows:



#### Name:

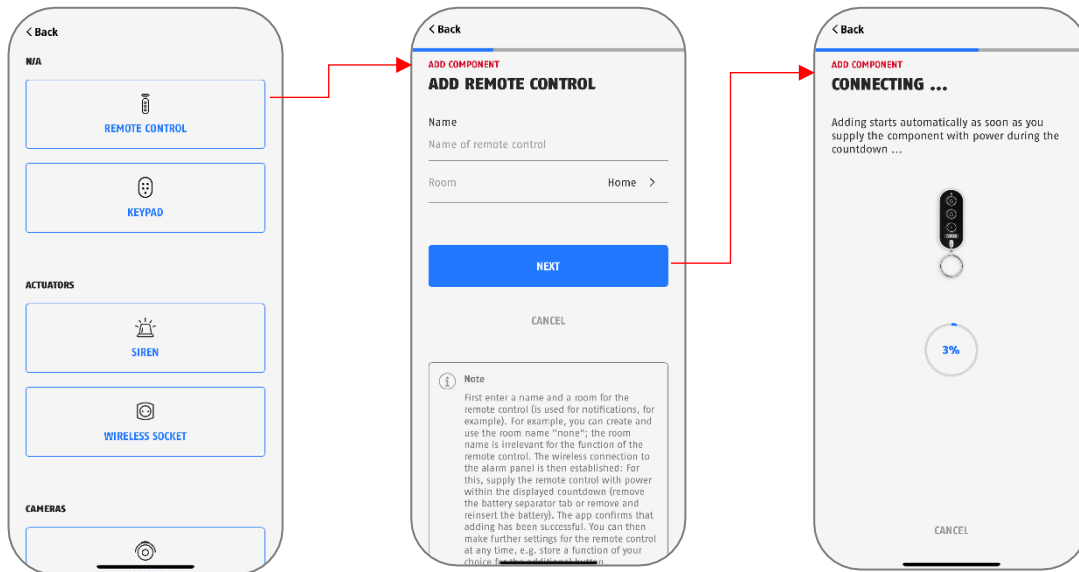
The display name of the detector can be changed here.

#### Room:

The room assignment can be changed here.

### 3.5.7 Wireless remote control

To **register** the remote control in the Smartvest Pro alarm panel, please proceed as follows:



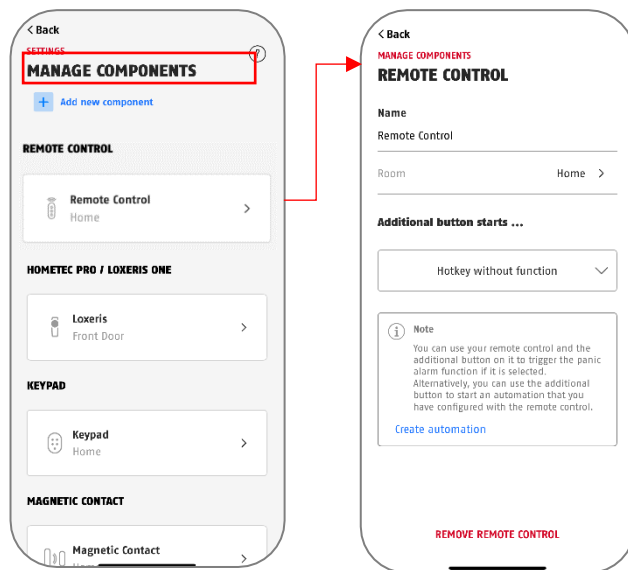
#### Preparatory steps

1. You need the Smartvest Pro iOS / Android app.
2. You must keep the component to hand.
3. Please ensure that the component to be registered and the Smartvest Pro alarm panel are in close proximity to each other.

#### Integration into the alarm system

1. Register a component via the **"Settings"** menu in the app under the menu item **"Manage components"** > **"Add new component"**.
2. Select the remote control from the list.
3. Assign a name for each component (this is used for notifications, for example) and assign a room.
4. Press the **"Next"** button in the app and activate the battery during the app countdown. There is one way to do this.
5. Remove the button battery included in the packaging. Open the battery compartment on the back of the detector. You can use a 1/2/5/10/20 cent coin to open the cover.
6. The successful addition of a component is confirmed in the app and you can now manage and use the added component in the settings.

To **manage** a remote control in the Smartvest Pro alarm panel, please proceed as follows:



### Name:

The display name of the remote control can be changed here.

### Room:

The room assignment can be changed here.

### Additional button starts:

Here you can set which automation the bottom button on the remote control should execute when pressed.

### Create automation:

The "Create automation" link takes you directly to the Create automation menu, where "Manual" is already preselected.

Under the "Then" menu item, you can then select a component that should respond to the remote control button press.

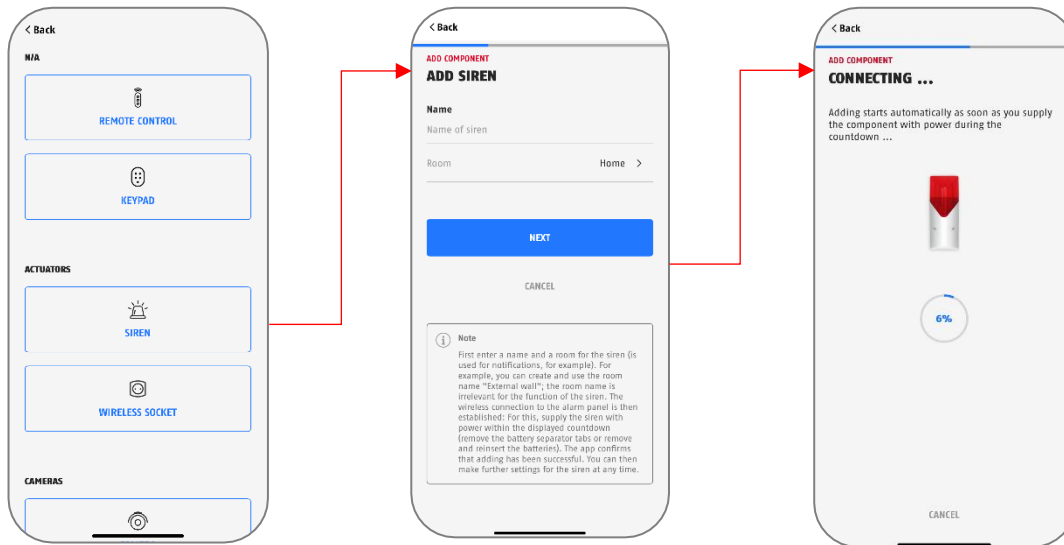
The following actuators can be selected:

- Socket
- Siren
- ABUS WINTECTO One
- ABUS LOXERIS One / ABUS HomeTec Pro

An automation, also known as a hotkey, is created by selecting the "Create hotkey" option highlighted in blue.

### 3.5.8 Wireless siren

To **register** the siren in the Smartvest Pro alarm panel, please proceed as follows:




#### Preparatory steps

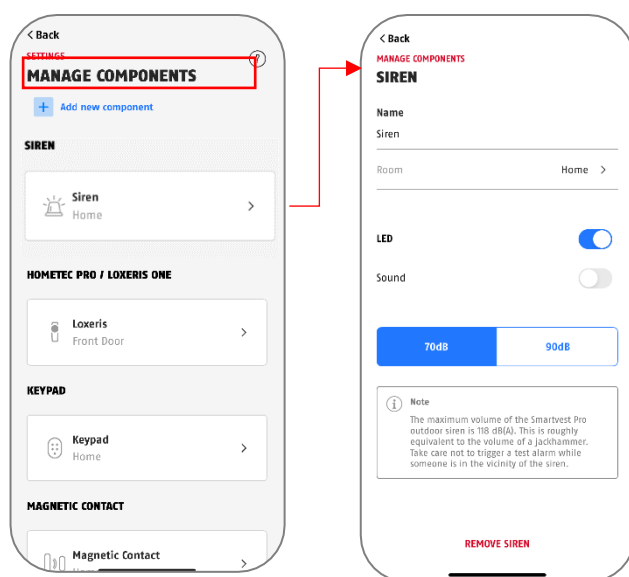
1. You need the Smartvest Pro iOS / Android app.
2. You must keep the siren to hand.
3. Please ensure that the siren and the Smartvest Pro alarm panel are in close proximity to each other.

#### Integration into the alarm system

1. Register a component via the **"Settings"** menu in the app under the menu item **"Manage components"** > **"Add new component"**.
2. Select the relevant component from the list.
3. Assign a name for each component (this is used for notifications, for example) and assign a room.
4. Press the **"Next"** button in the app and activate the battery during the app countdown. There are different ways to do this.
  - If the siren is new, there is a transparent plastic tape at the side. Pull it out of the detector during the app countdown to complete the set-up process.
  - If you have already removed the plastic tape, please remove the battery, wait at least 5 seconds and reinsert it.
  - You can supply the siren with power during the app countdown using the enclosed mains adapter.
5. During the app countdown, you can press the pairing button on the back of the siren.
6. The successful addition of a component is confirmed in the app and you can now manage and use the added component in the settings.

	<p><b>WARNING!</b></p> <p>The siren is set to silent at the factory.</p> <p>You can change the volume under Settings &gt; Manage components.</p> <p>As soon as the siren has been set up and fitted with the mounting plate, the tamper alarm is armed. This is triggered when the siren is removed from the wall. To avoid an alarm and to be able to change the battery without any worries, please activate the "Maintenance Mode" option in the app (3.17).</p>
---	---

To **manage** a siren in the Smartvest Pro alarm panel, please proceed as follows:



#### Name:

The display name of the siren can be changed here.

#### Room:


The room assignment can be changed here.

#### LED:

This option allows you to set whether the siren LED should be activated for scenarios or an alarm.

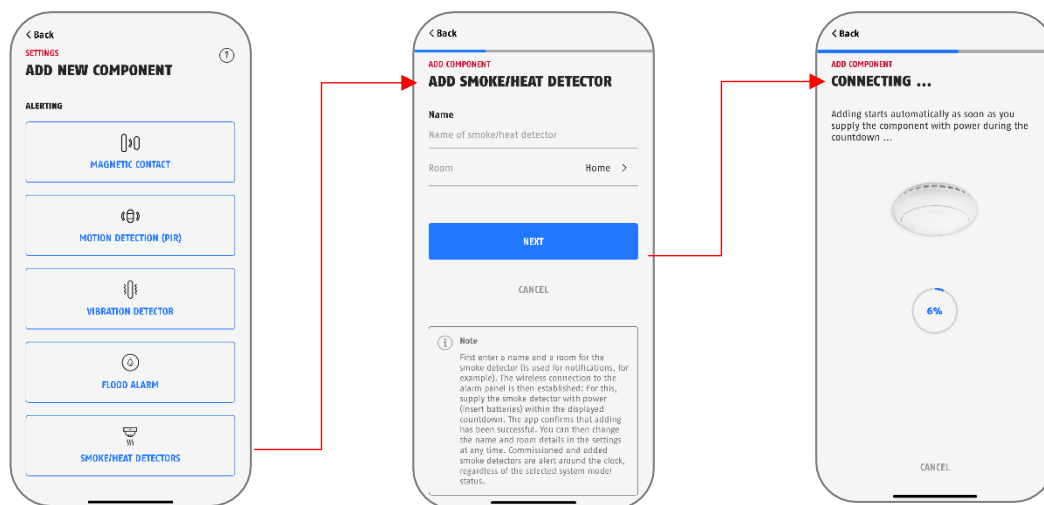
#### Sound:

This option allows you to set how loud the siren should be for scenarios or an alarm. There are two volume levels 70dB or 90dB and the option to switch off the sound completely.

	<p><b>WARNING!</b></p> <p>The outdoor siren is extremely loud at both sound levels 70dB and 90dB. The siren sound is deactivated by default for your protection. Once the sound is activated, move the siren or replace the batteries only when the "<b>Maintenance Mode</b>" (3.17) is activated to avoid a tamper alarm.</p>
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### 3.5.9 Wireless smoke/heat detectors

To **register** the smoke/heat detector in the Smartvest Pro alarm panel, please proceed as follows:



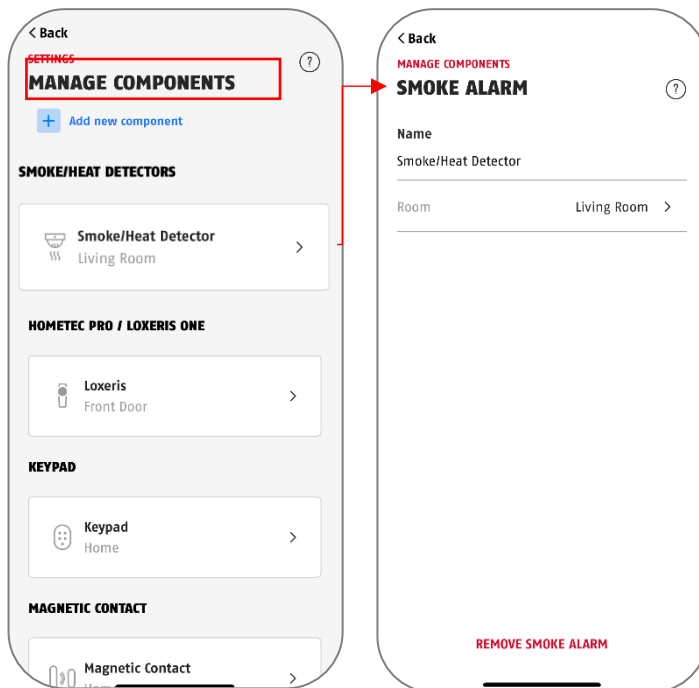
#### Preparatory steps

1. You need the Smartvest Pro iOS / Android app.
2. You must keep the smoke detector within easy reach.
3. Please ensure that the smoke detector and the Smartvest Pro alarm panel are in close proximity to each other.

#### Integration into the alarm system

1. Register a component via the "**Settings**" menu in the app under the menu item "**Manage components**" > "**Add new component**".
2. Select the relevant component from the list.
3. Assign a name for each component (this is used for notifications, for example) and assign a room.
4. Press the "**Next**" button in the app and activate the battery during the app countdown. There are one ways to do this.
5. Remove the 2x AA batteries included in the packaging and insert them during the app countdown.
6. The successful addition of a component is confirmed in the app and you can now manage and use the added component in the settings.

To **manage** a smoke detector in the Smartvest Pro alarm panel, please proceed as follows:



**Name:**

The display name of the detector can be changed here.

**Room:**

The room assignment can be changed here.

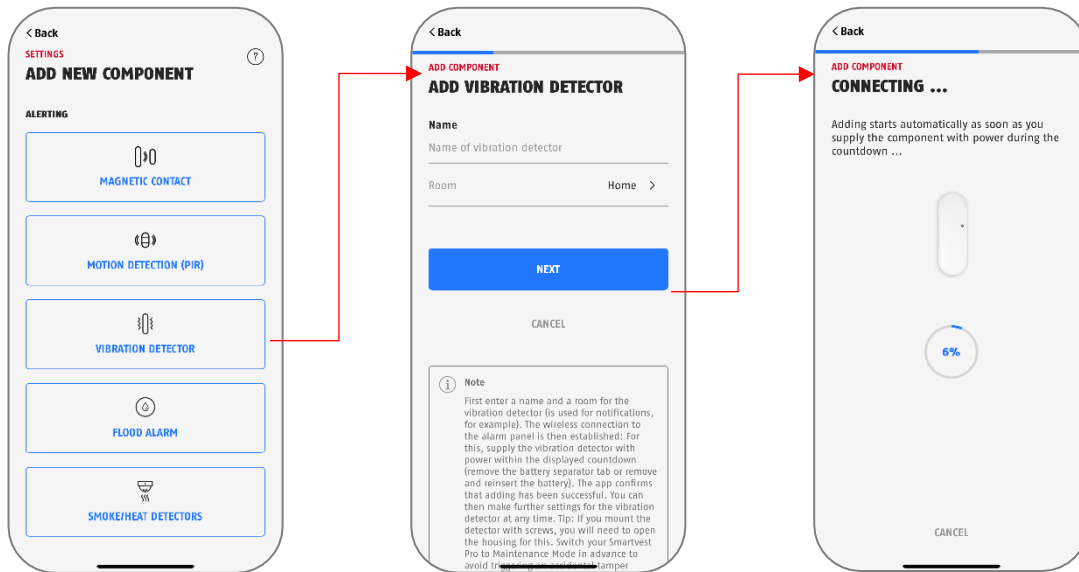
**Unlearning Smartvest Pro smoke detector Instructions:**

Remove: you can remove the smoke detector from the app here. You will therefore no longer receive an alarm from this smoke detector in the app.

	<p>To unlearn the smoke detector from the Smartvest Pro alarm panel, the smoke detector must be reset.</p> <p>The smoke detector is reset using the Test button.</p> <p>Holding the Test button down for 15 seconds resets the smoke detector to the factory default settings. This will cause it to lose its connection with Smartvest Pro and, where applicable, other smoke detectors.</p>
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### 3.5.10 Wireless vibration detector

To **register** the vibration detector into the Smartvest Pro alarm panel, please proceed as follows:




#### Preparatory steps

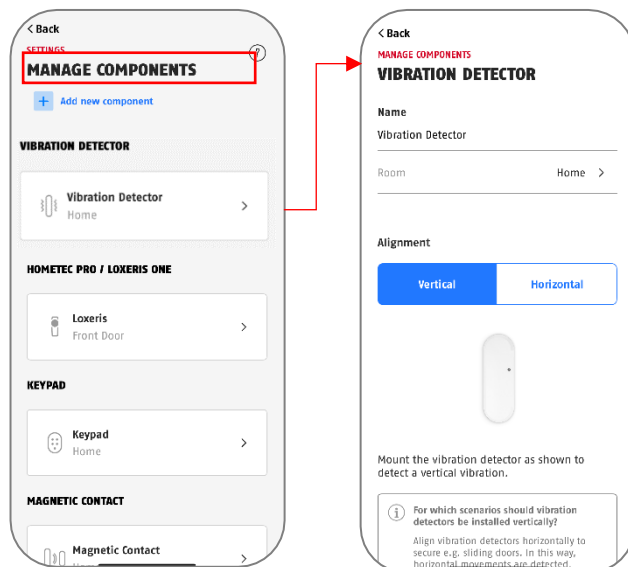
1. You need the Smartvest Pro iOS / Android app.
2. You must keep the component to hand.
3. Please ensure that the component to be registered and the Smartvest Pro alarm panel are in close proximity to each other.

#### Integration into the alarm system

1. Register a component via the **"Settings"** menu in the app under the menu item **"Manage components"** > **"Add new component"**.
2. Select the vibration detector from the list.
3. Assign a name for each component (this is used for notifications, for example) and assign a room.
4. Press the **"Next"** button in the app and activate the battery during the app countdown. There are two ways to do this.
  - If the vibration detector is new, there is a transparent plastic tape at the side. Pull it out of the detector during the app countdown to complete the set-up process.
  - If you have already removed the plastic tape, please remove the battery, wait at least 5 seconds and reinsert it again.
5. The successful addition of a component is confirmed in the app and you can now manage and use the added component in the settings.

	<p><b>WARNING!</b></p> <p>As soon as the vibration detector has been set up and the housing cover has been closed again, the tamper alarm is armed. This will be triggered when the cover with the battery compartment is opened again.</p> <p>To avoid an alarm and to be able to change the battery without any worries, please activate the "Maintenance Mode" option in the app (3.17).</p>
---	---

To **manage** a vibration detector in the Smartvest Pro alarm panel, please proceed as follows:



#### Name:

The display name of the detector can be changed here

#### Room:

The room assignment can be changed here.

#### Alignment:

- **Vertical:** This option is selected according to the installation orientation. With vertical alignment, mainly only vertical vibrations are detected.
- **Horizontal:** This option is selected according to the installation orientation. With horizontal alignment, mainly only horizontal vibrations are detected.

**Sensitivity:**

The sensitivity is individually adjustable and should be adapted to the respective object (e.g. doors, walls, valuables).

- **Low:** The detector only triggers in the event of strong vibrations.
- **Medium:** The detector only triggers in the event of moderate vibrations.
- **High:** The detector already triggers at the slightest vibration.

**Trigger:**

- **Round the clock:**

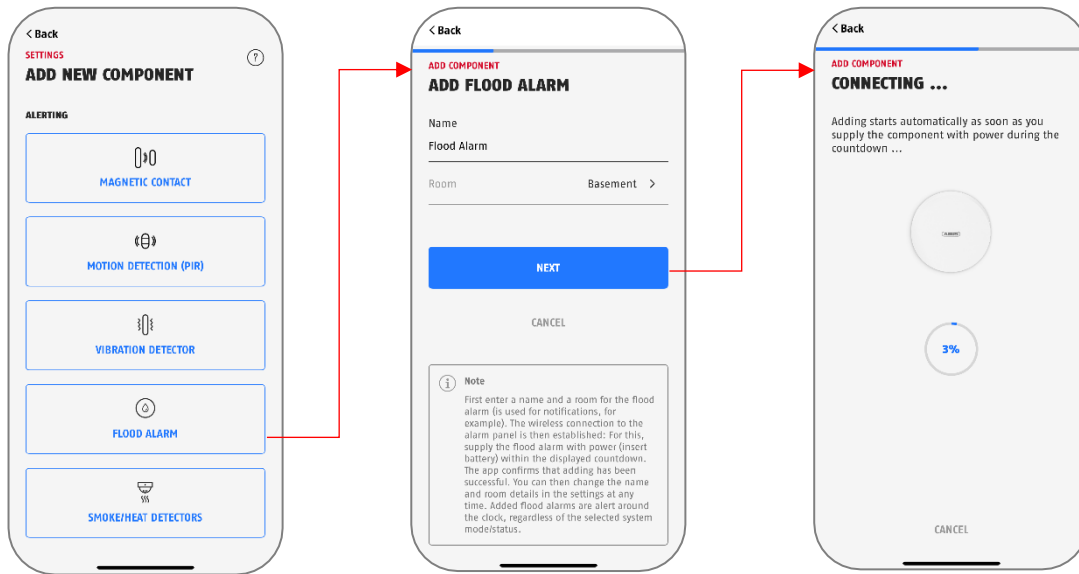
The detector is active 24 hours a day and triggers a hazard alarm even when the alarm panel is disarmed.

- **Like system status:**

The detector status is based on the system status and is also disarmed when the system is disarmed.

### 3.5.11 Wireless water detector

To register the water detector in the Smartvest Pro alarm panel, please proceed as follows:



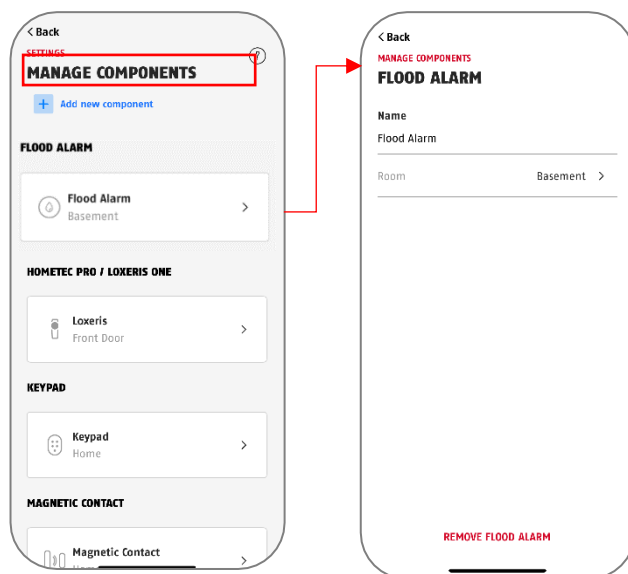
#### Preparatory steps

1. You need the Smartvest Pro iOS / Android app.
2. You must keep the component to hand.
3. Please ensure that the component to be registered and the Smartvest Pro alarm panel are in close proximity to each other.

#### Integration into the alarm system

1. Register a component via the **"Settings"** menu in the app under the menu item **"Manage components"** > **"Add new component"**.
2. Select the water detector from the list.
3. Assign a name for each component (this is used for notifications, for example) and assign a room.
4. Press the **"Next"** button in the app and activate the battery during the app countdown. To do this, please remove the battery from the packaging of your detector and insert it.
5. The successful addition of a component is confirmed in the app and you can now manage and use the added component in the settings.

To **manage** a water detector in the Smartvest Pro alarm panel, please proceed as follows:



**Name:**

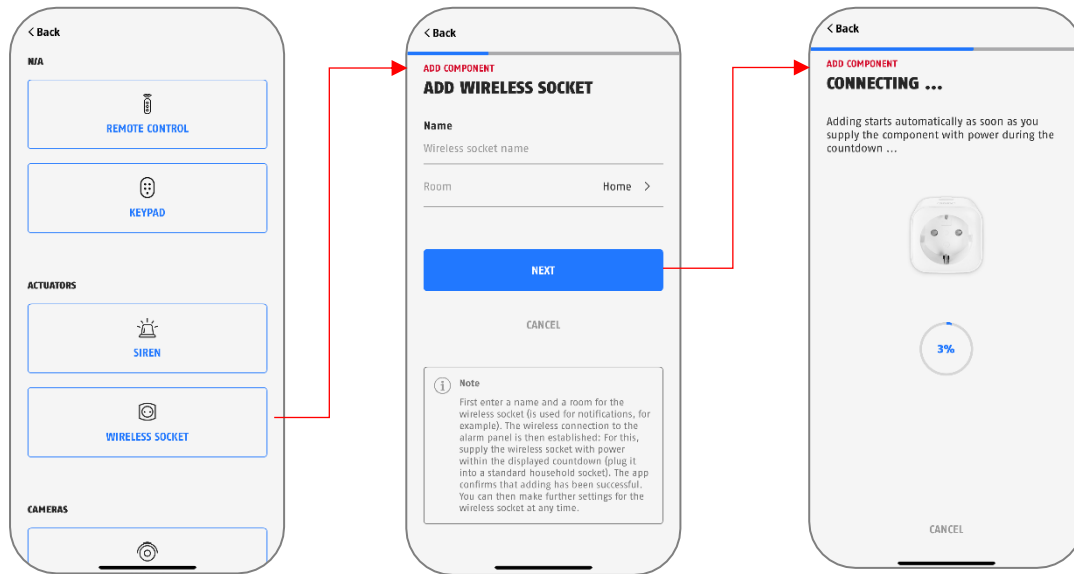
The display name of the detector can be changed here.

**Room:**

The room assignment can be changed here.

### 3.5.12 Wireless socket

To register the wireless socket in the Smartvest Pro alarm panel, please proceed as follows:



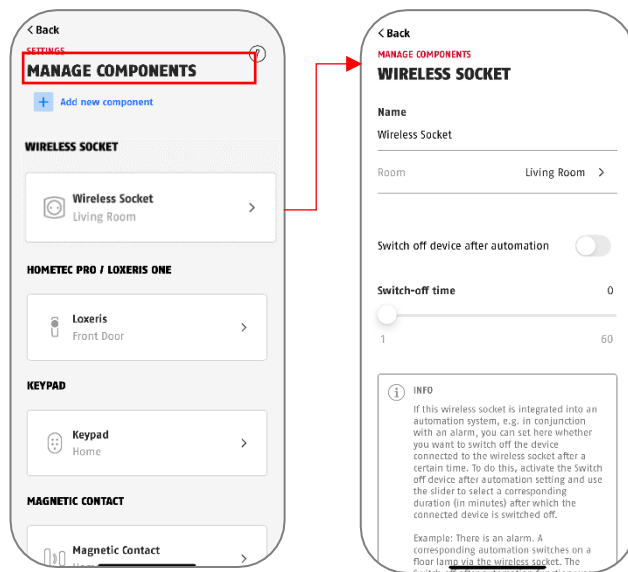
#### Preparatory steps

1. You need the Smartvest Pro iOS / Android app.
2. You must keep the component to hand.
3. Please ensure that the component to be registered and the Smartvest Pro alarm panel are in close proximity to each other.

#### Integration into the alarm system

1. Register a component via the **"Settings"** menu in the app under the menu item **"Manage components"** > **"Add new component"**.
2. Select the relevant component from the list.
3. Assign a name for each component (this is used for notifications, for example) and assign a room.
4. Press the "Next" button in the app and get ready to supply the component with power.
5. After pressing the "Next" button in the app, please supply the component with power.
7. The successful addition of a component is confirmed in the app and you can now manage and use the added component in the settings.

To **manage** a wireless socket in the Smartvest Pro alarm panel, please proceed as follows:



#### **Name:**

The display name of the wireless socket can be changed here.

#### **Room:**

The room assignment can be changed here.

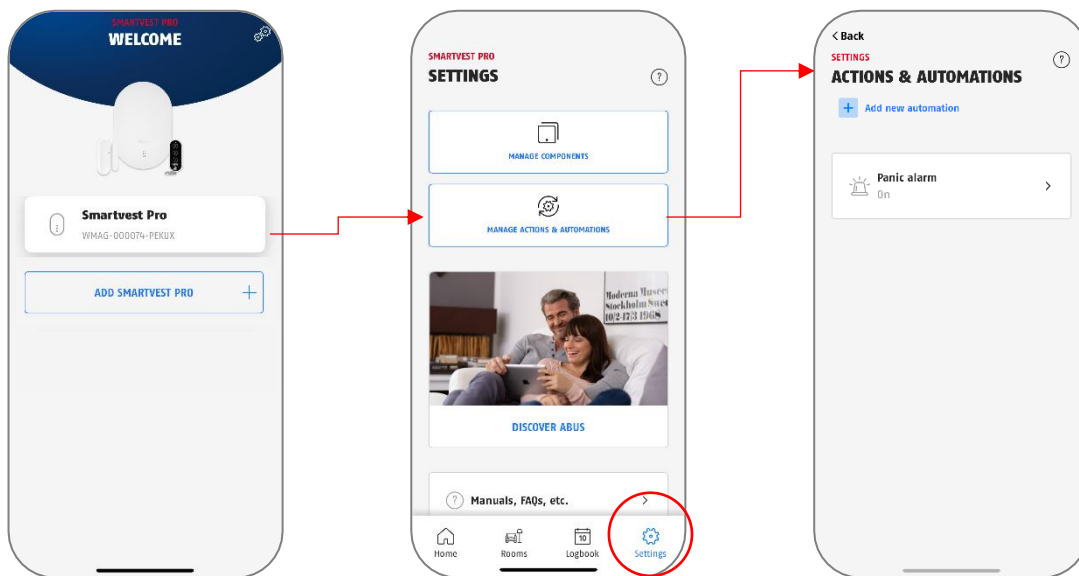
#### **Switch off device after automation:**

If this option is activated, this socket switches off automatically after the OFF TIME (min) defined here once it has been activated by an automation.

#### **Switch-off time (min.):**

The switch-off time of the socket after an automation is defined here.

### 3.6 Actions & automations



To create and customise automations for the Smartvest Pro, first select the appropriate alarm panel in the overview and then use the **Settings** button to navigate to the general settings of the alarm panel. There you select the **Manage actions & automations** button.

Here you now have the option of creating, editing and deleting new actions and automations. To create a new automation, click on "Add new automation".

Automations are based on an "if" "then" principle. This means that "if" a certain event occurs according to a schedule (e.g. a certain time range, a certain day), a component is triggered or a manual triggering takes place, "then" an action is executed.

Examples:

- The wireless socket should be activated between 8:00 and 12:00 on Monday
- If the motion detector triggers, then activate the wireless socket
- If I press the additional button on the remote control, then activate the socket in the living room

Below you will find a detailed description of the respective options.

### 3.6.1 Automation according to schedule

Here you can define a time period in which a specific action is to be carried out. You can also select the individual days of a week on which the action is carried out.

To create an automation according to a schedule, proceed as follows:

- First define the time period (e.g. from 8:00 – 18:00)
- Then select the days on which the action is to be carried out. If no day(s) are selected, the automation applies on every day of the week.
- Then select the components that are to be activated in the period you have defined.
- Finally, assign a name for the automation.

At the end, press the "Save" button to activate your automation.

### 3.6.2 Automation with component

Here you can select components that perform a defined action after activation. The following components can be selected for this:

- Magnetic contact
- Vibration detector
- Motion detector
- Cameras
- ABUS WINTECTO One
- ABUS LOXERIS One / ABUS HomeTec Pro

Once you have selected the desired component, the next step is to define what should happen when it sends a message to the alarm panel.

Some examples are:

- If the magnetic contact on the patio door is opened, then the camera should start a recording
- If the motion detector detects movement, then a socket in the kitchen is activated.

Finally, assign a name for the automation.

At the end, press the "**Save**" button to activate your automation.

### 3.6.3 Automation via additional button

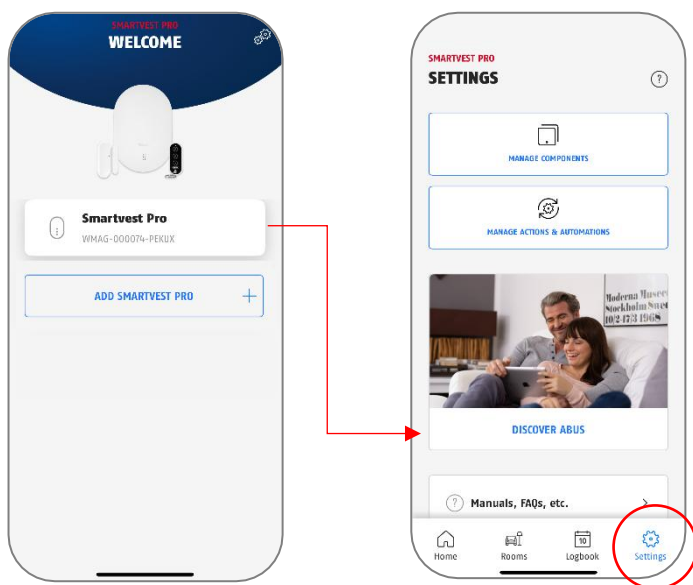
You can create additional buttons here. You can use these additional buttons via the home screen in the app or via your Smartvest Pro remote control.

When pressed, the additional button activates the components you have specified. You can also activate several components simultaneously for each additional button.

The following components can be activated using the additional button:

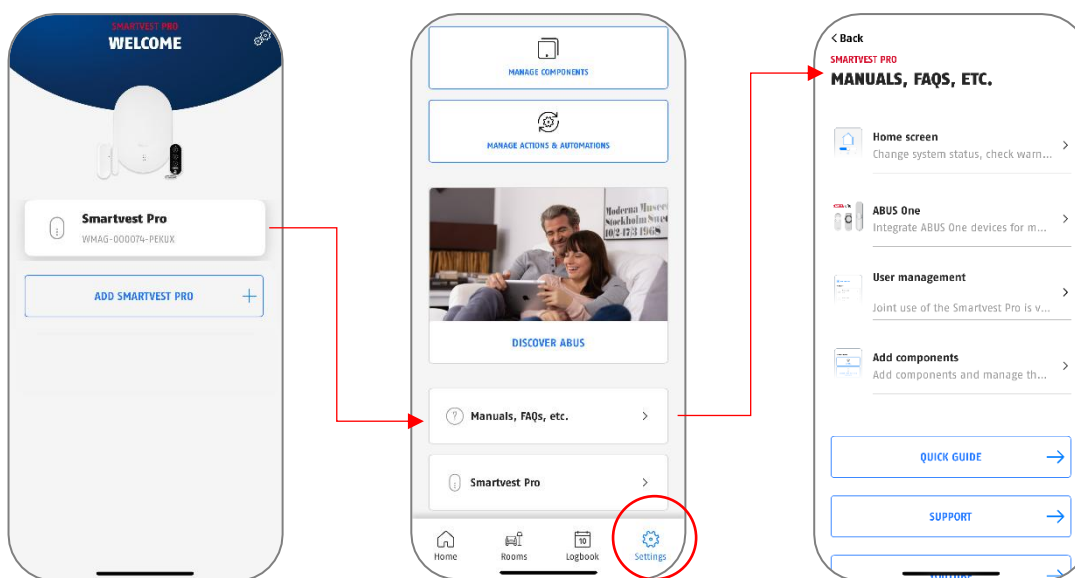
- Camera (starts a recording)
- Siren (activates the siren)
- Socket (activates the socket)
- ABUS WINTECTO One (locks)
- ABUS LOXERIS One / ABUS HomeTec Pro (locks)

### 3.7 Discover ABUS



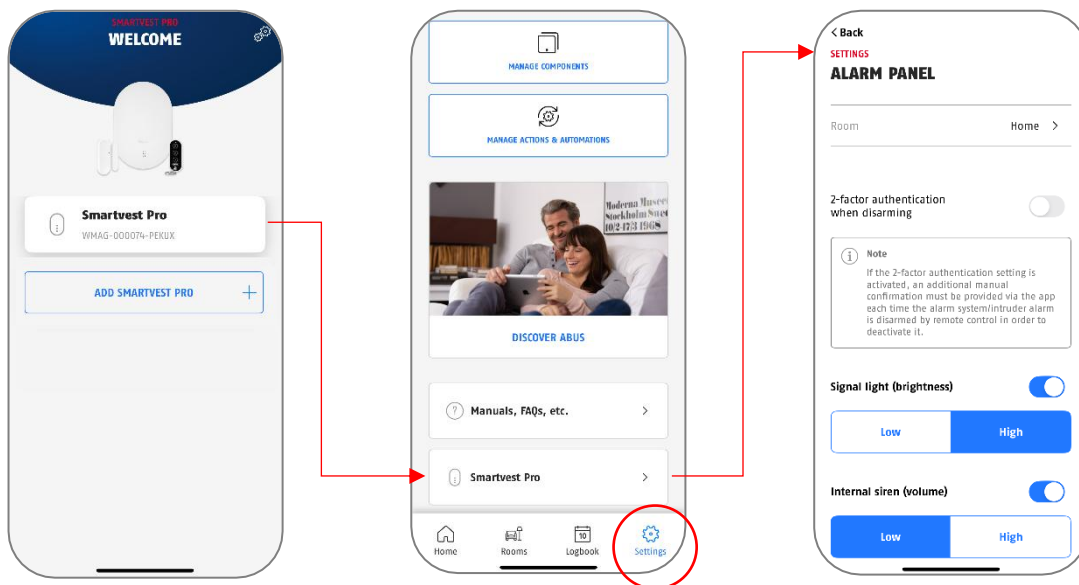
In the **Discover ABUS** menu item, you will be forwarded to the ABUS Shop.

### 3.8 Instructions, FAQs, etc.



In the menu item **Instructions, FAQs, etc.** you will find help for the Smartvest Pro.

## 3.9 Smartvest Pro



### 3.9.1 Room

Here you can see the status of your Smartvest Pro and the components in the respective rooms. The wireless socket can also be switched here.

### 3.9.2 2-factor authentication when disarming

Here you have the option of activating 2-factor authentication for the Smartvest Pro alarm panel. After activation, you now require additional manual confirmation via the Smartvest Pro app to disarm using the Smartvest Pro remote control. Disarming via the Smartvest Pro keypad and via the Smartvest Pro app is still possible without 2-factor authentication.

### 3.9.3 Signal light (brightness)

Here you can activate and deactivate the signal light on the top of the alarm panel. In addition, the brightness can be adjusted between low and high.

### 3.9.4 Siren

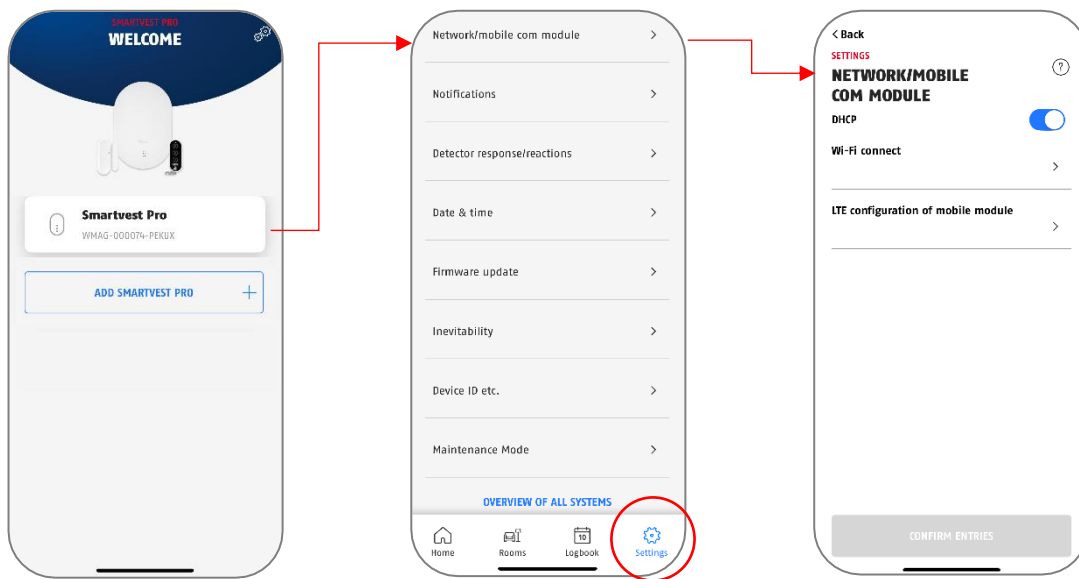
#### Internal siren (volume):

You can activate and deactivate the alarm panel's internal siren here. In addition, the volume can be adjusted between low and high.

#### Sound (sec.):




Here you can set the duration (in seconds) of the alerting time for an event. The following times are available: 10, 30, 60, 120, 180 seconds.

### 3.10 Network & mobile communication module



To adjust the network & mobile communication settings of the Smartvest Pro, first select the appropriate alarm panel in the overview and navigate to the Network & mobile communication module menu item using the **Settings** button at the bottom right of the home screen and select it.

The following settings can be made here:

	Please note that the PIN function of the SIM card must be deactivated. Please deactivate the PIN beforehand using a mobile phone.
	The mobile phone module is only suitable for MICRO SIM cards. For NANO SIM cards, please use an adapter.
	Please note that the settings are already configured at the factory and cannot be changed.

#### DHCP: Activation and deactivation of the DHCP function

If DHCP is deactivated, the IP address, subnet mask, gateway and DNS server can be set manually. As soon as you have entered the desired addresses, you can save the settings by clicking the "Confirm entries" button.

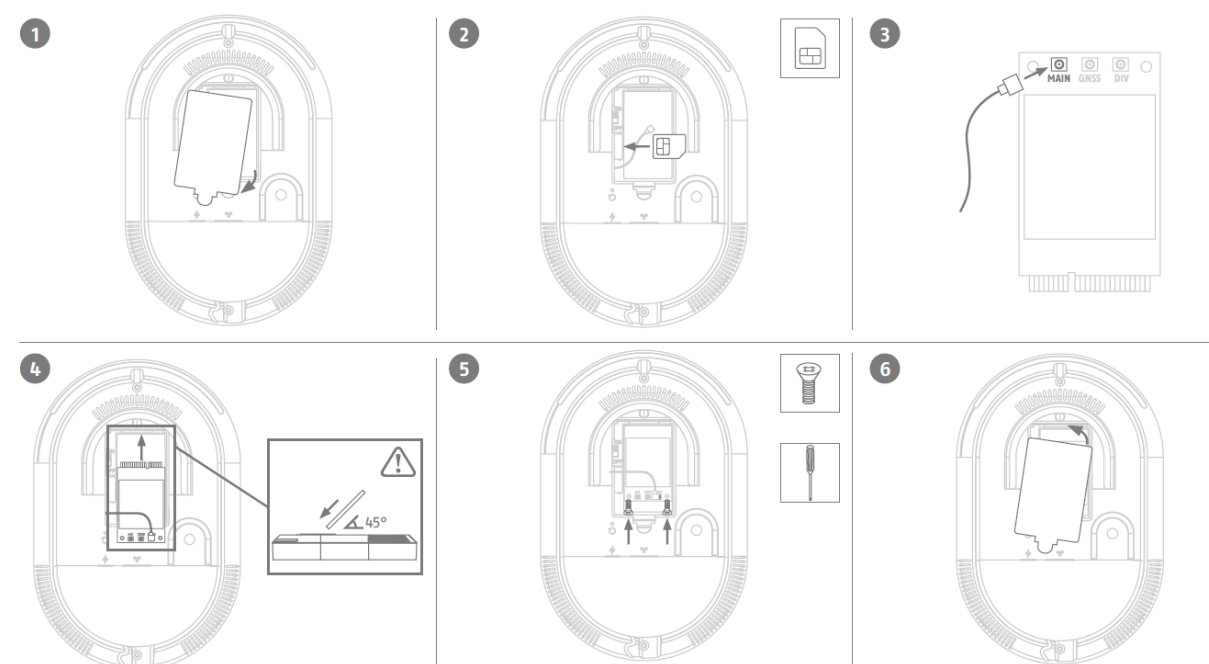
#### Wi-Fi connection:


Here you can connect to a network via Wi-Fi. The QR code can be scanned directly from the router or, if this is not available, the SSID and the corresponding password can be entered manually. To save the settings, press the "Confirm Wi-Fi settings" button at the end.

### LTE configuration of the mobile communication module:

Here you can check the current connection status of your mobile communication module. The status can also be read off the network LED on the alarm panel. If the LED lights up orange continuously, the alarm panel is connected to LTE. You will find a list of supported mobile communication providers on the next page.

### Installing the GSM module:



	<p>The mobile communication module supports the following mobile communication networks:</p> <ul style="list-style-type: none"><li>- LTE (4G)</li></ul>
---	---

The following mobile phone providers are supported:

**Germany:**

- Telekom
- Vodafone (no prepaid cards)
- 02 (no prepaid cards)

**Italy:**

- Tim
- Vodafone
- Wind

**Spain:**

- Telefonica
- Vodafone
- Orange
- Yoigo

**France:**

- Orange
- SFR
- Bouygues Telekom

**Austria:**

- A1
- T-Mobile
- Drei Hutchinson

**Switzerland:**

- Swisscom
- Sunrise
- Orange

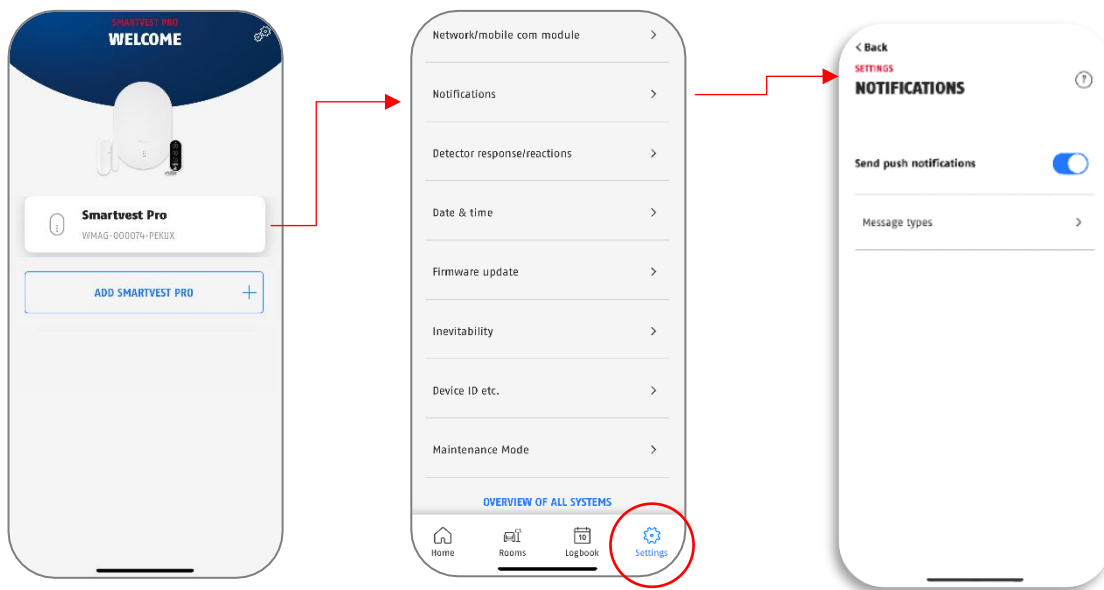
**Sweden:**

- Telia
- Tele 2
- Telenor
- Drei Hutchinson

**Netherlands:**

- KPN
- Vodafone

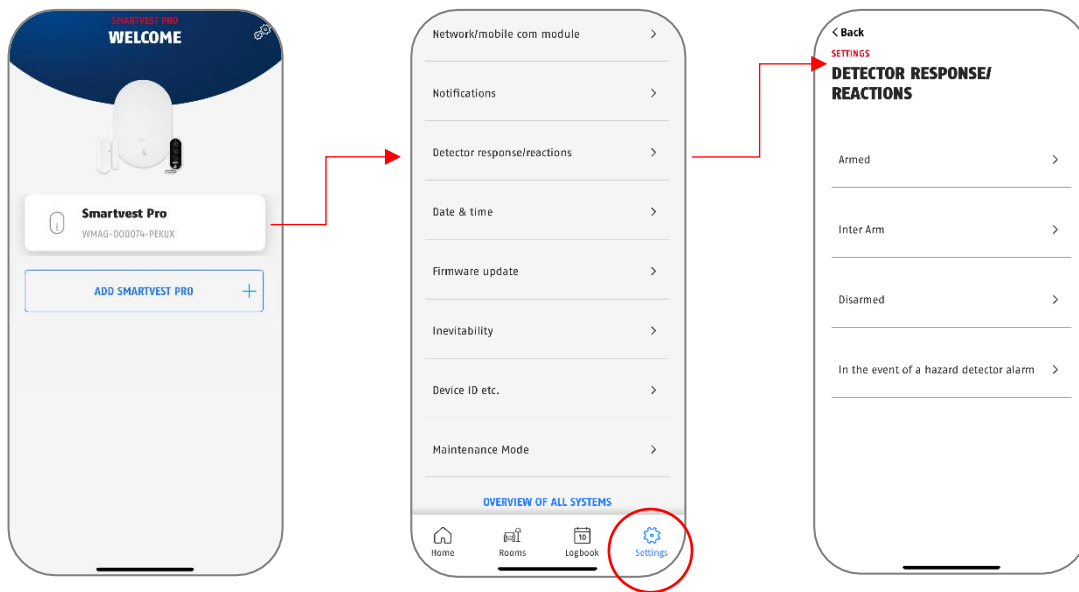
### 3.11 Notifications



Here you can make the settings for **push notifications from the app**. The notifications can be optionally activated or deactivated using the slider. Under the "Message types" menu item, individual message types can be activated or deactivated as required using the slider. The following message types can be selected:

- **Alarm event:** Panic alarm, alarm, tamper alarm, hazard detector alarm
- **Critical warning:** Alarm system is offline, alarm panel battery is low, signal lost, tampering detected
- **Warning:** Alarm system in battery mode, switchover to LTE connection, battery/ies of the component is/are low, invalid PIN code/ID key fob
- **Status change & 2FA:** Arming, internal arming, disarming, 2-factor authentication

## 3.12 Detector behaviour/reaction



Here you can make all settings relating to the behaviour and reaction of the detectors. Different scenarios can be created depending on the status of the Smartvest Pro (armed, disarmed, internally armed) and in the event of a hazard detector alarm.

### 3.12.1 Armed

Here you can make settings that are made when the Smartvest Pro is armed.

- Activation of the time delay when arming
- Time delay/exit delay: Suppresses arming for the selected duration. This allows you to activate the alarm system/intruder alarm while you are still in the building (e.g. in the hallway at the keypad) and pass the corresponding detectors on your way out without triggering the alarm. If the factory setting is too short or too long, set a duration that suits you.
- Duration of the time delay (10-60 seconds in 10-second increments)
- Activation of the sound when arming and exit delay
- Integration or exclusion of components

### 3.12.2 Internally armed

Here you can make settings that are made when the Smartvest Pro is armed internally.

- Activation of the time delay for internal arming
- **Time delay/exit delay:** Suppresses internal arming for the selected duration. This allows you to activate the alarm system/intruder alarm internally while you are still in the building (e.g. in

the hallway at the keypad) and pass the corresponding detectors on your way out without triggering the alarm. If the factory setting is too short or too long, set a duration that suits you.

- Length of the time delay (10-60 seconds in 10-second increments)
- Activation of the sound for internal arming and exit delay
- Integration or exclusion of components

### 3.12.3 Disarmed

Here you can make settings that occur when the Smartvest Pro is disarmed.

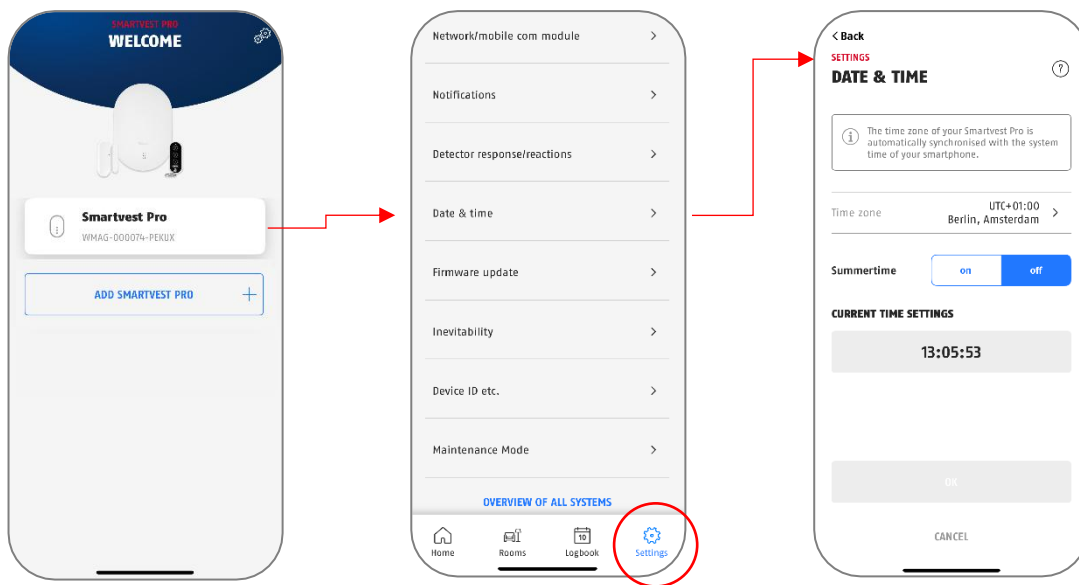
- Activation of the entry delay when disarming.
- Time delay/entry delay: Suppresses the alarm and any configured automations/scenarios and push notifications for the selected duration. This allows you to pass through opening detectors, motion detectors and vibration detectors when you come home, for example, and disarm the alarm system on the keypad with your code or ID key fob without triggering an alarm. If the factory setting is too short or too long for you, set a duration that suits you.
- Length of the time delay (10-60 seconds in 10-second increments).
- Activation of the sound during the entry delay.

### 3.12.4 Hazard detector alarm

Note: Hazard detectors e.g. smoke detectors, water detectors and vibration detectors (if **round-the-clock** mode is activated) are active in every status. They always trigger an alarm in the corresponding case, even if the alarm system is disarmed.

If a component reports danger (e.g. smoke detector), you can set another component to be activated (e.g. socket, or start a camera recording).

### 3.13 Date & time

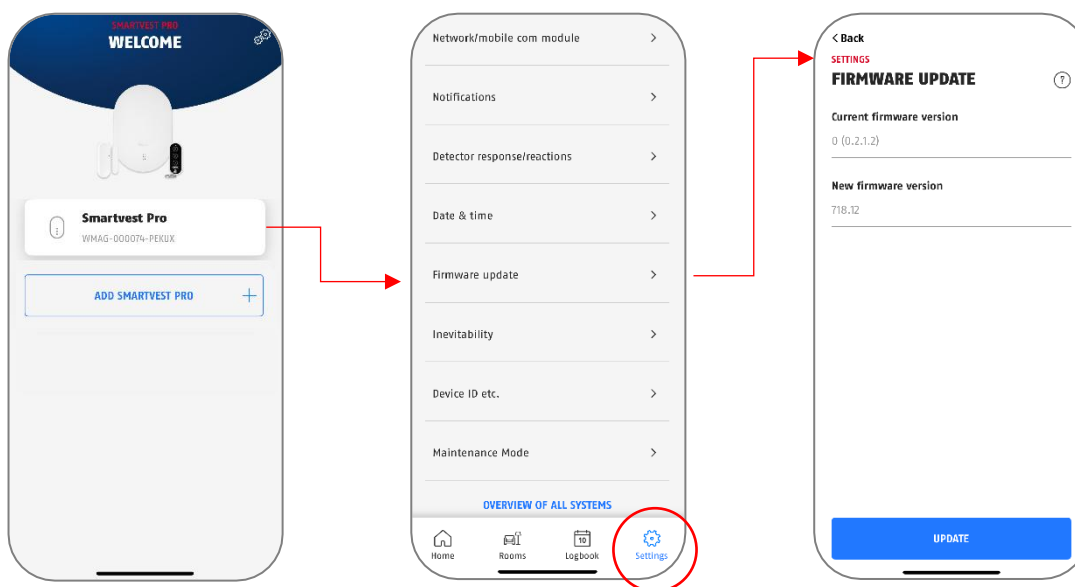


Here you can change the **date and time** settings manually if required. By default, this setting is set in synchronisation with the setting of the device used.

The appropriate time zone can be selected under the "Time zones" menu item. Summer time can be switched on or off as required under the item Summer time.

Once you have made all the settings, you can check your settings using the "Current time settings" info item. If the time displayed here does not match the real time, you must check your settings again.

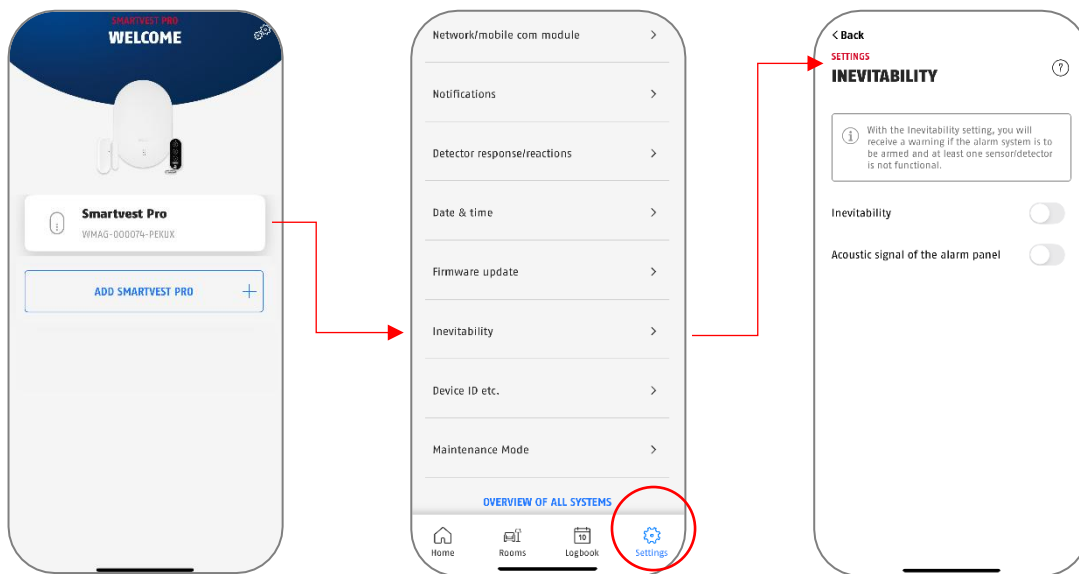
### 3.14 Firmware update



Here you will find information about the current firmware version of the control centre and, if available, you can install updates for a new version.

Please do not disconnect the alarm panel from the mains voltage during a firmware update. The alarm panel may restart several times during the update; you can recognise this by the fact that the status LEDs go out several times.

### 3.15 Inevitability



Inevitability is a useful function to prevent you from arming your alarm system even though your home is not secure. Before arming, the system therefore checks whether magnetic contacts of opening detectors, e.g. on windows and doors, are actually closed before the alarm system permits arming.

Here you can make the settings for the inevitability function. Inevitability requires that the status of the registered components permits arming, e.g. all magnetic contacts are closed and have a connection to the alarm panel.

If a monitored window or door is open, the system cannot initially be armed. However, this can be bypassed by sending the arming command is sent again (via remote control or keypad) or by closing the open contact. You have the option of deactivating the inevitability function in the settings.

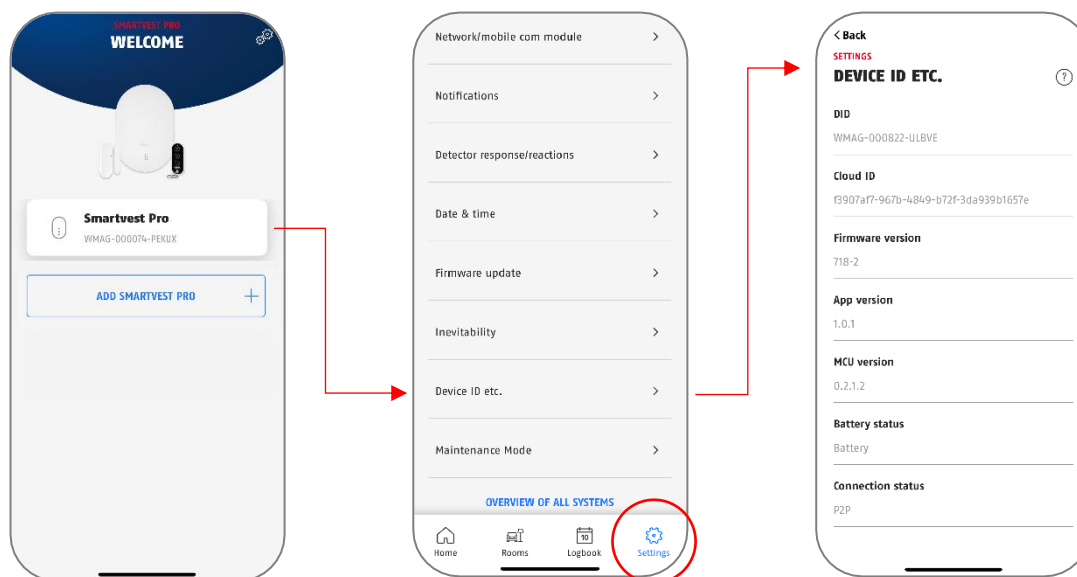
**Inevitability sound:** If you use a remote control or keypad for arming / internally arming and inevitability is triggered, the alarm panel outputs a warning tone. This is not output when the app is used, as a pop-up is displayed here.

In the case of an inevitability event with the remote control, the LED will not light up red. It is strongly recommended that you activate the inevitability sound option here. As described above, you can force arming by pressing the button again.

In the case of an inevitability event with the keypad, the LED will light up red.

As described above, you can force arming by pressing the button again.

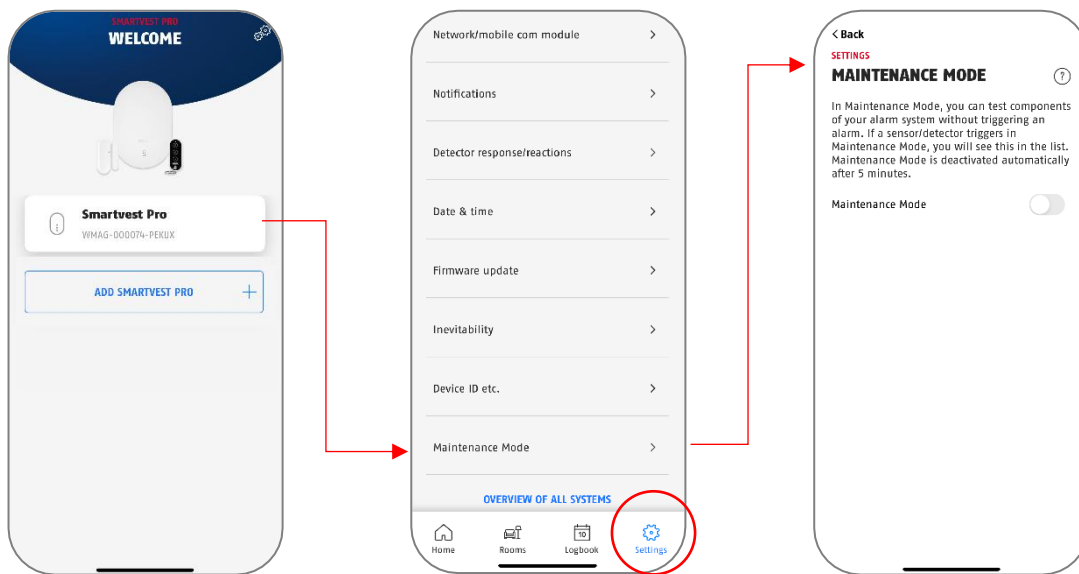
### 3.16 Device ID etc.



Here you will find information about the devices/device ID of the system. The following items are listed here:

- DID
- Cloud ID
- Firmware version
- App version
- MCU version
- Battery status
- Connection status

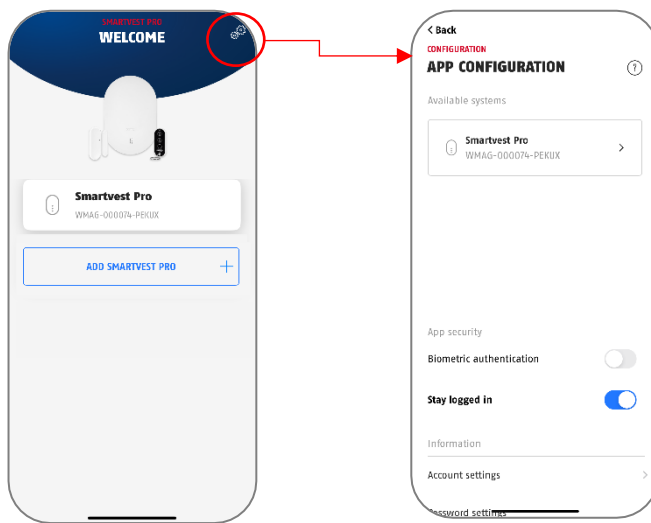
### 3.17 Maintenance Mode



You can activate and deactivate the **Maintenance Mode** of the Smartvest Pro here. Maintenance Mode is used to test the registered components (except water detectors and smoke detectors). As long as the system is in Maintenance Mode **no** alarm is triggered when a detector or tamper contact is triggered, but an entry is displayed here in the menu. This means that the functionality of each detector can be checked individually, and the detection range of the motion detector in particular can be adjusted using the Maintenance Mode. Maintenance Mode can be deactivated manually; alternatively this mode deactivates itself after 5 minutes.

Also activate Maintenance Mode if you want to change the batteries of one or more components or remove the keypad or alarm panel from the mounting plate, for example.

## 4. APP CONFIGURATION

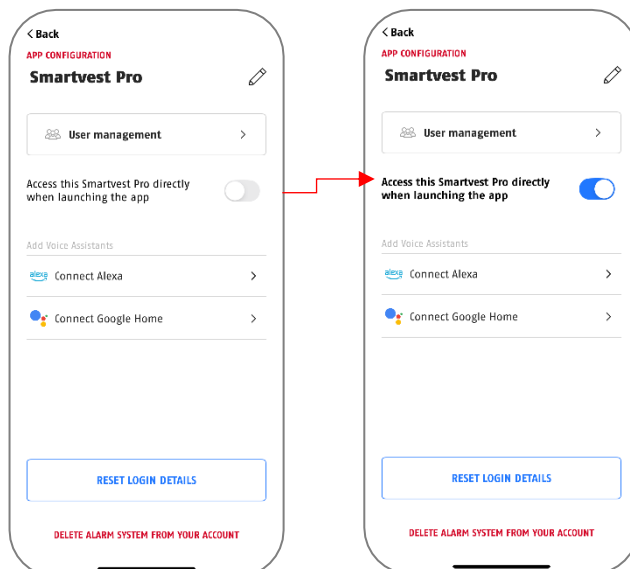


Once you have successfully logged in, you will find yourself in the overview area of the app. Here you can see all Smartvest Pro alarm systems that you have added to the app. To access the menu for the app configurations, select the **cogwheel icon** at the top right. In this menu you will find settings for the **available systems** (4.1) and **app security** (4.2).

### 4.1 Available systems

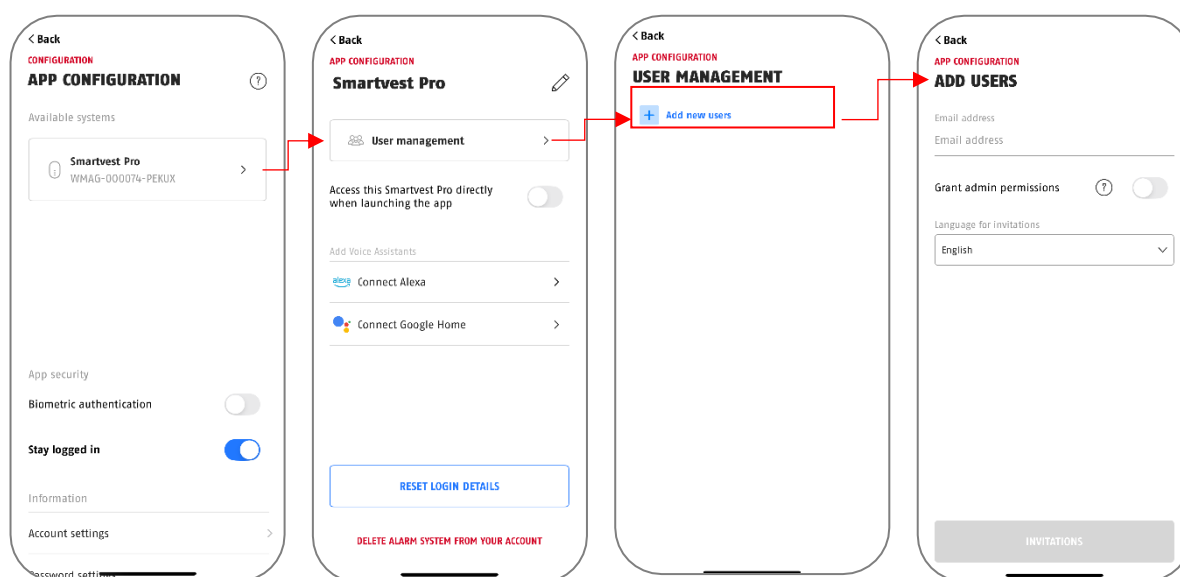
Here **all alarm systems** that are linked to your account are displayed. If you want to make advanced settings for the individual systems, simply select the desired system from the overview.

#### 4.1.1 Set default alarm system



You can select one of several systems as the default alarm system and specify that you access this alarm system directly when you launch the app.

## 4.1.2 Manage users and add new users



Add new users by entering an email address. Grant admin permissions if the invited user should be able to add or remove components or manage system settings, for example. You can revoke and reassign admin permissions later. You can select the language in which the invitation is to be sent to the user. Click on the "Invite" button. The invited user will receive an email with further instructions. The new user can access the alarm panel after successful registration in the app and verification by a security code.

### Explanation of the different roles:

Admin	With the exception of adding voice assistants, the administrator has the same rights as the owner.
User	The user has predefined restricted access and configuration rights. These rights can be viewed in 4.1.3 User list.
Owner	The owner role is automatically assigned to the account that carried out initial setup of the system. The owner role cannot be transferred and has all available rights.

### 4.1.3 User list

Successfully added users can be seen by name and with their respective user role in the user list. You can set up or revoke the admin permission for any other user here.

	User	Admin	Owner
Operation of the alarm system via the home screen	Yes	Yes	Yes
Display logbook	Yes	Yes	Yes
Display rooms	Yes	Yes	Yes
Manage users	No	Yes	Yes
Remove the owner from the account	No	No	Yes
Revoke admin permissions from the owner	No	No	No
Integrate another system into the app	No	Yes	Yes
Add voice assistant	No	No	Yes
Add & manage components	No	Yes	Yes
Add and manage actions & automations	No	Yes	Yes
Alarm panel settings	No	Yes	Yes
Network settings	No	Yes	Yes
Set push notifications	No	Yes	Yes
Detector behaviour/reactions	No	Yes	Yes
Date & time	No	Yes	Yes
Firmware update	No	Yes	Yes
Inevitability setting	No	Yes	Yes
Device ID etc.	No	Yes	Yes
Maintenance Mode	No	Yes	Yes

#### 4.1.4 Delete users

You can select invited users in the user list and delete their user account. Deletion will take effect automatically the next time the deleted user's app attempts to connect to the account.

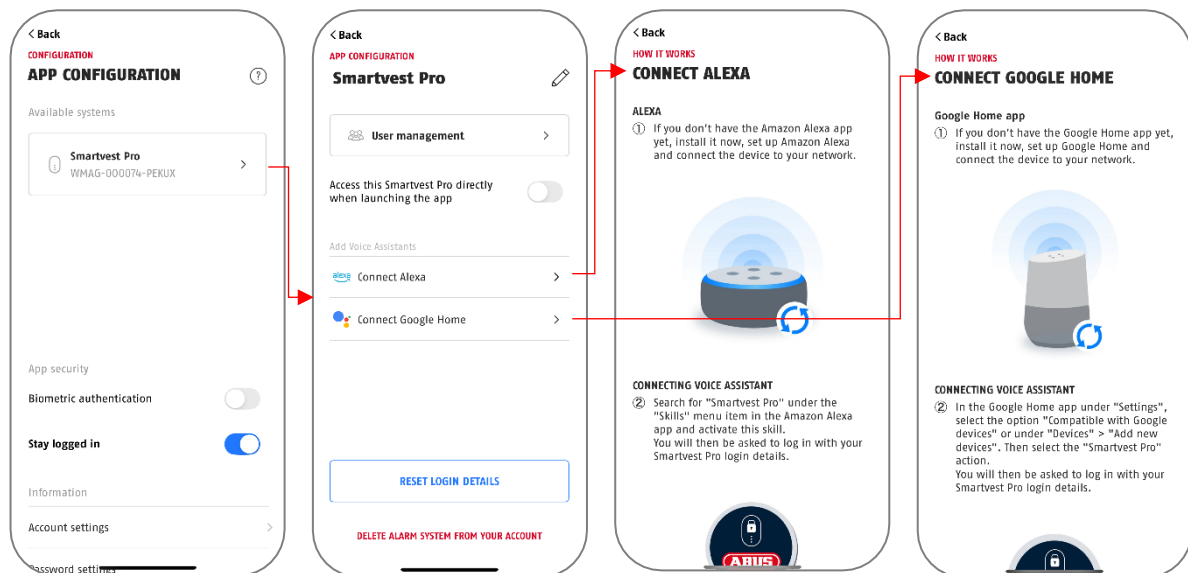
Please note: Users who are connected to the alarm panel via the local network and whose app is not connected to the internet at the same time are not automatically removed immediately. To ensure that the removal of a deleted user account takes effect immediately, select **"Reset login details"** in the app configuration.

During initial start-up, the user is automatically assigned the role of **"Owner"** in the background. This role does not allow customisation and cannot be transferred.

#### 4.1.5 Open invitations

After you have invited new users, you will see the respective email address of the invited user under **"Open invitations"**. You can revoke the invitation if the invitation has not yet been accepted. Invited users can then not log into their alarm system.

#### 4.1.6 Voice assistants



### 4.1.7 Amazon Alexa

You can connect the Smartvest Pro to your Amazon Alexa via the Smartvest Pro skill and control it with voice commands.

#### Connection of Amazon Alexa to the Smartvest Pro alarm panel:

1. To start setup, you can open the Smartvest Pro Alexa skill link, which can be found on your Smartvest Pro app under the following menu item:  
Smartvest Pro start page → App configuration → Select your Smartvest Pro → Connect Alexa.

**Alternatively,** open your Alexa app and search for "Smartvest Pro" in the Skill Store.

2. Activate the Smartvest Pro skill and you will then be asked to log in with your Smartvest Pro account.
3. In the next step, Alexa searches for the Smartvest Pro alarm panel and the corresponding magnetic contacts. Once the alarm panel and the detectors have been successfully added, you can configure and confirm the Alexa room assignment. This completes connection successfully.

#### Amazon Alexa further configuration and automation

##### Deactivate alarm panel with voice commands:

For this to work, you must select your Smartvest Pro in the Alexa app and set the "Activate deactivation" option to ON in the device settings. You will then be asked for a code that you must use later for deactivation.

##### Create automations:

You have the option of creating many different Alexa automations that are linked to the Smartvest Pro and the magnetic contacts, for example:

When the window with magnetic contact 1 is opened, Alexa should state the air quality and outside temperature.

The functions, number and type of automations are provided by Alexa and can change at any time. You can configure the automations in your Alexa under the menu item: Create and configure automations.

### Amazon Alexa voice commands:

You can use the following voice commands with your Amazon Alexa:


**Arming:** "Alexa, activate my Smartvest Pro in absence mode."

**Internal arming:** "Alexa, activate my Smartvest Pro"

**Disarming:** "Alexa, deactivate my Smartvest Pro."

**Status request of a magnetic contact:** "Alexa, is the door magnetic contact open / closed?"

**Status request of the alarm panel:** "Alexa, what is the status of Smartvest Pro"

	<p><b>IMPORTANT!</b></p> <p><b>STATUS REQUEST OF THE ALARM PANEL:</b></p> <p>If the status of the Smartvest Pro is queried during an alarm, Alexa will not mention that an alarm is currently active.</p>
---	---

### Special cases:

**Inevitability:** If inevitability is activated and is triggered when arming / internally arming the alarm panel, Alexa tells you which magnetic contact is open and asks whether you want to bypass it in order to still be able to arm / internally arm.

**Armed to internally armed:** It is not possible to switch directly from armed to internally armed. You must first deactivate the system and then arm it internally. Switching from internally armed to armed is possible directly.

### 4.1.8 Google Home

You can connect the Smartvest Pro to your Google Home via the Smartvest Pro skill and control it with voice commands.

#### Connection of Google Home to the Smartvest Pro alarm panel:

1. To start setup, open your Google Home app and search under "Add device → Works with Google Home" for the "Smartvest Pro" skill.
2. Activate the Smartvest Pro skill and you will then be asked to log in with your Smartvest Pro account. You must also create a PIN code. This is requested by Google Home as soon as you attempt to disarm the Smartvest Pro with voice commands.
3. In the next step, the Google Home app searches for the Smartvest Pro alarm panel and the corresponding magnetic contacts. After the alarm panel has successfully found the detectors, you must select them and add them to a desired room.

This completes connection successfully.

#### Google Home further configuration and automation

##### Deactivate alarm panel with voice commands:

For this to work, you must select your Smartvest Pro in the Alexa app and set the "Activate deactivation" option to ON in the device settings. You will then be asked for a code that you must use later for deactivation.

##### Create automations:

You have the option of creating many different Google Home automations that are linked to the Smartvest Pro and the magnetic contacts, for example:

When the window with magnetic contact 1 is opened, Google Home should state the air quality and outside temperature.

The functions, number and type of automations are provided by Google Home and may change at any time. You can set the automations in your Google Home app under the menu item: Create and configure automations.

## Google Home voice commands:

### Google Home does not recognise the name of your Smartvest Pro

It can happen that the selected name is not recognised correctly by Google Home. To solve this problem, you can change the name of the Smartvest Pro alarm panel in the Google Home app.

You can use the following voice commands with your Google Home:


**Arming:** "Hey Google, set Smartvest Pro to home and guard."

**Internally arming:** "Hey Google, set Smartvest Pro to Away and Guard."

**Disarming:** "Hey Google, deactivate Smartvest Pro."

**Status request of a magnetic contact:** "Hey Google, is the door magnetic contact open / closed?"

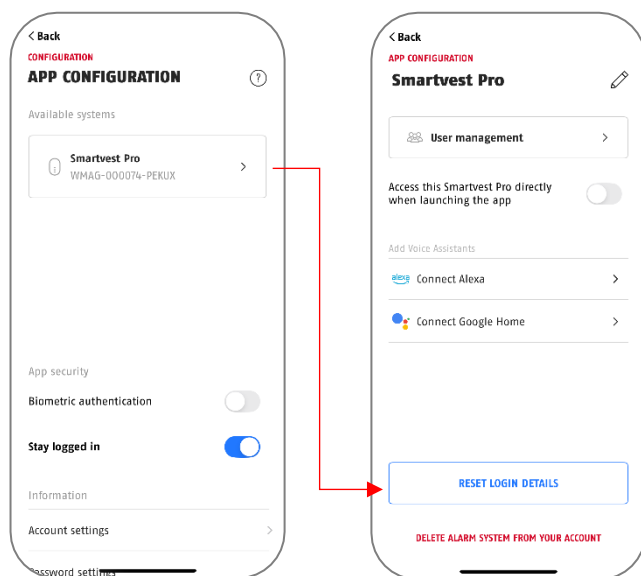
**Status request of the alarm panel:** "Hey Google, what's the status of Smartvest Pro?"

	<p><b>IMPORTANT!</b></p> <p><b>STATUS REQUEST OF THE ALARM PANEL:</b></p> <p>If the status of the Smartvest Pro is queried during an alarm, Google Home will not mention that an alarm is currently active.</p>
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### Special cases:

**Inevitability:** If inevitability is activated and is triggered when arming / internally arming the alarm panel, Google Home tells you which magnetic contact is open and asks whether you want to bypass it in order to still be able to arm / internally arm.

## 4.1.9 Reset login details



This **immediately** applies the access permissions of all previously connected smartphones and tablets based on the current settings. This is important if you want to ensure that remote users no longer have access to your alarm system via the app. Note: If this action is not carried out, regular updates of the user permission run in the background (depending on the internet connection of the affected devices, among other things).

## 4.2 App security


You can make security settings in the **App security** menu item.

### 4.2.1 Biometric authentication

If you activate this option, you can open the app using biometric authentication (iOS: FaceID or TouchID; Android: Fingerprint or facial recognition).

### 4.2.2 Stay logged in

If you activate this option, you do not have to type in the required password each time. The app saves the data the data after successful login and immediately opens the start screen.

	<p><b>IMPORTANT</b></p> <p>This option leads to a potential security risk. People who gain access to your unlocked device can gain access to your security system without verification.</p>
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### 4.2.3 Account settings

Here you can edit the following settings relating to your connected ABUS One account:

- Salutation (Mr or Mrs)
- First name
- Surname

As soon as all changes have been made, you can save them by clicking the **"Save changes"** button.

If you want to delete the linked account, click on the red **"Delete user account"** button.

### 4.2.4 Password settings

Here you can change the password currently in use. To do this, first enter the current password and then enter the new password in the two lines provided. At the end, press the **"Set new password"** button to save the entries.

### 4.2.5 Instructions, FAQs, etc.

Here you will find all instructions relating to Smartvest Pro, the associated components and the ABUS One environment.

### **4.2.6 Legal topics:**

Here you will find information on the following topics:

- Privacy policy
- GDPR
- Open source licence
- GPL

### **4.2.7 Log out**

You will be logged out of the system and have to log in with your password.

## IV. Technical data

### 1. FUAA45010 Smartvest Pro wireless alarm system alarm panel

Dimensions	195 x 130 x 34 mm (L x W x H)
Alerting	Push notification / acoustic warning signal
Number of events	1,000
Display	LED
Battery	2 x 18650 lithium (rechargeable)
Battery life (max.)	20 hours
Operating temperature	0°C – 40°C
Application area	Interior
Radio frequency	868.3 MHz
Radio modulation	FSK
Wireless range (max.)	100 m (depending on installation location)
Wireless zones (max.)	32
Housing material	Plastic
Volume of the integrated siren	< 90 dB
Humidity	10 – 80 %
Net weight	0.553 kg
Network connection	RJ-45 connection / Wi-Fi (10/100 Mbps)
Backup power supply	Yes
Transmission power	11.3 dBm
AC voltage supply	100~240 V
DC voltage supply	5 V
Plug type	DC plug: 3.5 x 1.35 mm
Power consumption	~195 mA (standby) ~230 mA (average)
Supported IP cameras	ABUS PPIC31020, PPIC42520, PPIC44520, PPIC46520, PPIC9100, PPIC52520, PPIC54520

## 2. FUBE45010 Smartvest Pro wireless keypad

Dimensions	147.5 x 89 x 30 mm (L x W x H)
Alerting	Yes
Display	LED
Battery	4 x AA (1.5 V) (replaceable)
Battery life (max.)	1 year
Application area	Interior
Radio frequency	868.3 MHz
Radio modulation	FSK
Wireless range (max.)	100 m (depending on installation location)
Housing material	Plastic
Reader type	Chip key reader and code entry
Operating temperature	0°C – 40°C
Humidity	10 – 90 %
Net weight	0.274 kg
Proximity key	8 RFID chips (FUPC45000)
Tamper protection	Yes
Sound pressure	75 dB
Transmission power	11.3 dBm
AC voltage supply	5 V
DC voltage supply	100~240 V
Plug type	Type-C USB
Power consumption	~40-57 µA (standby) ~212 mA (average)

## 3. FUPC45000 Smartvest Pro ID key fob

Dimensions	40 x 35 x 10 mm
Gross weight	0,032
Max. operating	40 °C
Color	black
Max. humidity	80 %
Net weight	0,012 kg

#### 4. FUBE45000 Smartvest Pro wireless remote control

Dimensions	69.5 x 28 x 8 mm (L x W x H)
Battery	1 x CR2032 (3V) (replaceable)
Battery life (max.)	1 year
Radio frequency	868.3 MHz
Radio modulation	FSK
Wireless range (max.)	100 m (depending on installation location)
Housing material	Plastic
Operating temperature	0°C – 40°C
Humidity	10 – 80 %
Net weight	0.019 kg
Transmission power	11.3 dBm
Power consumption	~7 µA (standby) ~7 mA (average)

#### 5. FUMK45000 Smartvest Pro wireless magnetic contact

Dimensions	78 x 28 x 11 mm (L x W x H)
Battery	1 x CR2032 (3V) (replaceable)
Battery life (max.)	1 year
Operating temperature	0°C – 40°C
Use cases	Interior
Colour	white
Radio frequency	868.3 MHz
Radio modulation	FSK
Wireless range (max.)	100 m (depending on installation location)
Housing material	Plastic
Humidity	10 – 80 %
Net weight	0.057 kg
Transmission power	11.3 dBm
Power consumption	~8 µA (standby) ~6.5 mA (average)

## 6. FUEM45000 Smartvest Pro wireless vibration detector

Dimensions	73 x 27 x 10 mm (L x W x H)
Battery	1 x CR2032 (3V) (replaceable)
Operating temperature	0°C – 40°C
Application area	Interior
Radio frequency	868.3 MHz
Radio modulation	FSK
Wireless range (max.)	100 m (depending on installation location)
Housing material	Plastic
Humidity	10 – 80 %
Net weight	0.018 kg
Transmission power	11.3 dBm
Power consumption	~10 µA (standby) ~7.5 mA (average)

## 7. FUBW45000 Smartvest Pro wireless motion detector

Dimensions	107 x 58 x 52mm (L x W x H)
Battery	3 x 1.5V AA (replaceable)
Battery life (max.)	1 year
Operating temperature	0°C – 40°C
Use cases	Interior
Colour	white
Radio frequency	868.3 MHz
Radio modulation	FSK
Wireless range (max.)	100 m (depending on installation location)
Housing material	Plastic
Luminous colour	blue
Humidity	10 – 80 %
Net weight	0.167 kg
PIR viewing angle horizontal	105°
PIR viewing angle vertical	45°
PIR pet-immune	Yes
Transmission power	11.3 dBm
Sensor type	PIR
Power consumption	~28 µA (standby) ~8 mA (average)

## 8. FUWM45000 Smartvest Pro wireless water detector

Dimensions	65 x 25 mm (dia. x H)
Battery	1 x CR2032 (3V) (replaceable)
Battery life (max.)	2 years
Application area	Interior
Colour	white
Radio frequency	868.3 MHz
Radio modulation	FSK
Wireless range (max.)	100 m (depending on installation location)
Housing material	Plastic
Operating temperature	0°C – 40°C
Humidity	10 – 90 %
Net weight	0.046 kg
Transmission power	11.3 dBm
Power consumption	~7 µA (standby) ~7 mA (average)

## 9. FURM45000 Smartvest Pro wireless smoke/heat detector

Dimensions	120 x 32 mm (dia. x H)
Alarm muting	< 10 minutes
Battery	2 x 1.5 V alkaline batteries (replaceable)
Operating temperature	0°C – 40°C
Detection range (max.)	40 m² within one room
Radio frequency	868.3 MHz
Radio modulation	FSK
Heat detection	54°C–70°C
Humidity	10 – 93 % (non-condensing)
Installation location	Ceiling (only in interior spaces)
Smoke detection	Photoelectric reflection
Sound pressure	> 85 dB (A) @ 3 m
Transmission power	< 4.5 dBm
Power consumption	~250 µA (standby) ~40 mA (average)

## 10. FUSG45000 Smartvest Pro wireless siren

Dimensions	112 x 300 x 102 mm (L x W x H)
Battery	4 x C (1.5 V)
Battery life (max.)	1 year
Operating temperature	-10°C – 50°C
Application area	Protected outdoor area
Radio frequency	868.3 MHz
Radio modulation	FSK
Wireless range (max.)	approx. 30 m (depending on installation location)
Luminous colour	Red
Light source	LED
Humidity	10 – 80 %
Net weight	0.882 kg
Tamper monitoring	Yes
Sound pressure	Off, Low (85 dB), High (105 dB)
Protection class	IP44
Power supply	5 V
Plug type	DC plug: 3.5 x 1.35 mm
Power consumption	~200 µA (standby) ~200 mA (average)

## 11. FUHA45000 Smartvest Pro wireless socket

Dimensions	78 x 53 x 53 mm (L x W x H)
Use cases	Interior
Colour	white
Radio frequency	868.3 MHz
Radio modulation	FSK
Wireless range (max.)	100 m (depending on installation location)
Housing material	Plastic
Luminous colour	Blue
Operating temperature	0°C – 40°C
Humidity	10 – 80 %
Net weight	0.086 kg
Transmission power	11.3 dBm
AC voltage supply	230-240 VAC

## V. Warranty

- a. ABUS products are designed and manufactured with the greatest care and tested according to the applicable regulations.
- b. The warranty only covers defects caused by material or manufacturing errors at the time of sale. If there are demonstrable material or manufacturing errors, the module will be repaired or replaced at the guarantor's discretion.
- c. In such cases, the warranty ends when the original warranty period of two years expires. All further claims are expressly rejected.
- d. The warranty does not cover the batteries supplied.
- e. ABUS is not liable for defects and damage caused by external influences (e.g. transport, use of force, incorrect operation), improper use, normal wear and tear or failure to observe these instructions and the maintenance instructions.
- f. In the event of a warranty claim, the original proof of purchase with the date of purchase and a short written description of the problem must be supplied with the product subject to complaint.
- g. Should you discover a defect on your product that was already present at the time of purchase, please contact your dealer directly within the first two years.

## VI. Disposal instructions



Dispose of the device in accordance with EU Directive 2012/19/EU – WEEE (Waste Electrical and Electronic Equipment). If you have any questions, please contact the municipal authority responsible for disposal. Information on collection points for waste equipment can be obtained from your local authority, from local waste disposal companies or your retailer, for example.