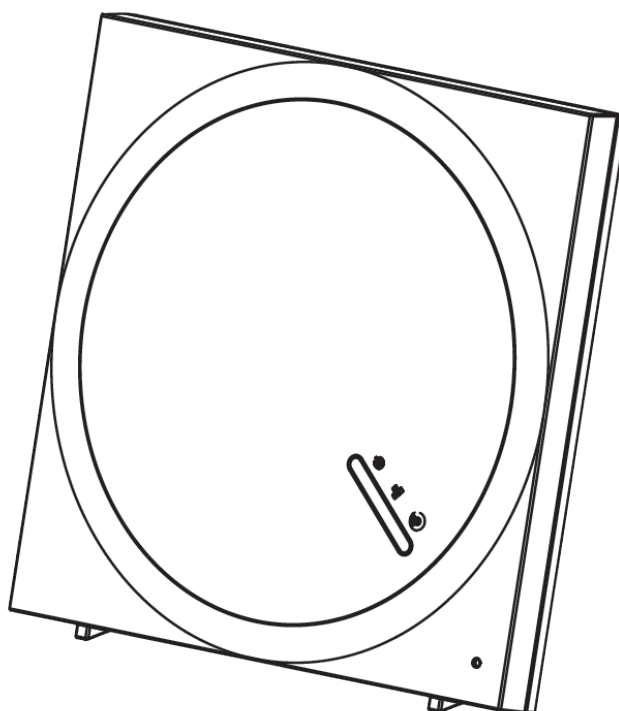


## SHGW10000



## Instruction manual

Important notes and FAQs about this product and other products can be found on the Internet page

[www.abus.com/product/SHGW10000](http://www.abus.com/product/SHGW10000)

App-Version 1.5.X  
Firmware: 040035



*Original operating instructions in German language.  
Keep for future use!*

## Inauguration

Dear customer, dear customer,

Thank you for purchasing this product.

**ABUS Security-Center hereby declares that the gateway SHGW10000 complies with the RED directive 2014/53/EU. The gateway also meets the requirements of the following EU Directives: EMC Directive 2014/30/EU and RoHS Directive 2011/65/EU. The full text of the EU Declaration of Conformity is available at the following web addresses: [www.abus.com/product/SHGW10000](http://www.abus.com/product/SHGW10000)**

In order to maintain this condition and ensure safe operation, the user must observe these operating instructions!

**If you have any questions, please contact your specialist trade partner  
or contact our customer service:**

**Mail: ABUS Support, Linker Kreuthweg 5, 86444 Affing, Germany**

**E-mail: [support@abus-sc.com](mailto:support@abus-sc.com)**

**Phone: +49 8207 959 90 888**

**Hotline opening hours: Mon-Thu: 08 - 17 h; Fri: 08 - 14 h**

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Data storage is subject to country-specific data protection guidelines.



### **Disclaimer**

These operating instructions have been prepared with the utmost care. Should you nevertheless notice any omissions or inaccuracies, please let us know in writing at the above address.

ABUS Security-Center GmbH accepts no liability whatsoever 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 in connection with the equipment, performance and use of this product. No guarantee is given for the content of this document.

# safety instructions

## Intended Use

Use the device exclusively for the purpose for which it was built and designed! Any other use is considered improper!

## Declaration of conformity

ABUS Security-Center hereby declares that the enclosed product(s) comply with the following guidelines concerning the product(s):

RED Directive 2014/53/EU, EMC Directive 2014/30/EU, Low Voltage Directive 2014/35/EU, RoHS Directive 2011/65/EU. The full text of the EU Declaration of Conformity is available at the following Internet address:

[www.abus.com/product/Artikelnummer](http://www.abus.com/product/Artikelnummer)

("Article number" in the link is to be replaced by the article number of the attached product(s))

It can also be obtained from the following address: ABUS Security-Center GmbH & Co. KG, Linker Kreuthweg 5, 86444 Affing, GERMANY

## Important safety instructions

### General information

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

**Damage caused by non-compliance with these safety instructions will void the warranty. We assume no liability for consequential damages!**

### Power supply

Operate this device only with a power source that supplies the mains voltage specified on the nameplate. If you are not sure which power supply you have, contact your power company. Disconnect the device from the mains power supply before carrying out any maintenance or installation work. The device will only be completely disconnected from the mains if the power supply unit is removed. In order to avoid the risk of fire, the mains plug of the device should always be disconnected from the mains socket if the device is not to be used for a longer period of time. Before a storm and / or thunderstorm with danger of lightning, please disconnect the device from the power supply or connect the device to a UPS. Avoid overloading power sockets, extension cords, and adapters as this may result in fire or electric shock.

### Cord

Always hold all cables by the plug and do not pull on the cable itself. Never handle the power cord with wet hands as this may cause a short circuit or electric shock. Do not place the appliance, pieces of furniture or other heavy objects on the cables and ensure that they are not bent, especially at the plug and at the connection sockets.

Never tie a knot into a cable or tie it together with other cables. All cables should be laid in such a way that nobody steps on them or is obstructed. A damaged power cord may cause a fire or electric shock. Check the power cord from time to time. Do not modify or tamper with the power cord or plug. Do not use adapter plugs or extension cords that do not comply with the applicable safety standards, or tamper with the power supply or power cords.

### Children

Do not allow electrical appliances to fall into the hands of children! Never allow children to use electrical equipment unattended. Children are not always able to recognize possible dangers correctly. Small parts can be life-threatening if swallowed. Keep packaging films away from children. There is a danger of suffocation! This device should not be handled by children. If used improperly, springy parts can jump out and cause injuries (e.g. eyes) to children.

### Supervision

The commissioning of monitoring systems may be prohibited or regulated by law in certain countries. Before commissioning the plant, the operator must ensure that the monitoring is within the legal framework.

## Installation location Operating environment

Do not place heavy objects on the device.

The device is not designed for use in rooms with appropriate temperature or humidity (e.g. bathroom) or with excessive dust. For a precise specification, check the technical data of the individual devices. Ensure that there is always adequate ventilation, no direct heat sources on the device, no direct sunlight or strong artificial light hitting indoor devices, the device is not in the immediate vicinity of magnetic fields (e.g. loudspeakers), no open fire sources (e.g. burning candles), contact with splash and drip water on indoor equipment and aggressive liquids is avoided, the equipment is not operated in the vicinity of water, in particular the equipment must never be immersed (do not place objects filled with liquids, e.g. vases or beverages, on or next to the equipment), no foreign objects may penetrate, the equipment is not exposed to strong temperature fluctuations, as otherwise humidity may condense and lead to electrical short circuits, the equipment is not exposed to excessive shocks and vibrations.

### Unpack

While unpacking the device, handle it with the utmost care.

Packaging and packaging aids are recyclable and should always be recycled.

**If the original packaging is damaged, check the unit first. If the device is damaged, return it with packaging and inform the delivery service.**

### Commissioning

Before initial operation, observe all safety and operating instructions!

**⚠ Improper and unprofessional work on the electricity grid or on the house installations poses a danger not only to yourself but also to other persons.**

### Maintenance and care

**⚠ Disconnect the device from the power supply for maintenance work or cleaning!**

### Maintenance

Have all maintenance work carried out by qualified personnel only. Never open the housing of the device or accessories if this is not required. The device may only be opened for the following applications:

- Mounting the device, inserting a storage medium (SD card or hard disk), accessing essential functions (reset button or WPS button)

### Cleaning

Clean the housing of the device only with a damp cloth. Do not use solvents, spirit, thinners or other aggressive substances:

Gently rub the cotton cloth over the surface until it is completely dry.

### Disposal



Attention: The EU Directive 2012/19/EU regulates the proper take-back, treatment and recycling of used electronic equipment. This symbol means that, in the interests of environmental protection, the device must be disposed of at the end of its service life in accordance with the applicable statutory regulations and separately from household and commercial waste. The disposal of the old appliance can be carried out by means of appropriate official

take-back points in your country. Follow local regulations when disposing of materials. For more details about the take-back (also for non-EU countries), contact your local administration. Through separate collection and

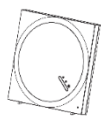
Recycling conserves natural resources and ensures that when the product is recycled, all regulations for the protection of health and the environment are complied with.

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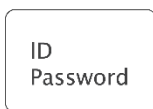
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## 1. Scope of delivery



Gateway



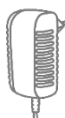
ID / Password Card



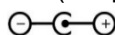
Quick guide



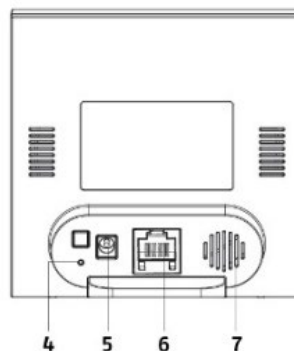
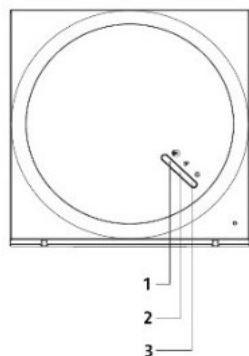
Network cables



Power supply 5V / 1.5A (DC plug: 3.5 x 1.35mm)



## 2. Description of the hardware



1	Z-Wave LED Indicator	2	Network LED Indicator
3	Status LED indicator	4	Reset button
5	Power supply (5V DC / 1A)	6	LAN interface
7	loudspeakers		

### 3. Description of the hardware functions

#### 3.1. Status LEDs

LED	state	Description of the
Status LED	Off	Gateway not connected to power Plug in the power supply unit
	Flashing <b>red</b>	Gateway connected to power
Network LED	Off	No network connection available Connecting the network cable
	Flashing <b>Blue</b>	Network connection available Active data traffic
Z-Wave LED	Off	Normal condition
	Flashing <b>Yellow</b>	Gateway updates

#### 3.2. Factory settings / Reset

##### 3.2.1. Soft reset (reset button)

During operation, press the reset button on the back of the device for five seconds. The gateway then restores the default admin access and the default network configuration (DHCP).

##### 3.2.2. Configuration Reset (App)

To completely remove your Z-Wave Gateway configuration, connect to the device using the ABUS Z-Wave One App. Open the configuration and select the option "Z-Wave factory settings" in the admin area.

If this controller is the primary controller for your network, the reset will cause the nodes in your network to be orphaned, and it will be necessary to exclude and re-include all nodes on the network after the reset. If this controller is used as a secondary controller on the network, use this procedure to reset this controller only if the primary controller of the network is missing or otherwise not functional.

#### 3.3. Loudspeakers

With the help of the integrated loudspeaker, a preset warning tone can be addressed and output using scenes or hotkeys.

You can select the function in the "THEN" part of the scene configuration (6.8.4. Special cases and special functions).

## 4. Installation

To set up the gateway for the first time, connect the included network cable to your router and the gateway and power the gateway with the included power supply.

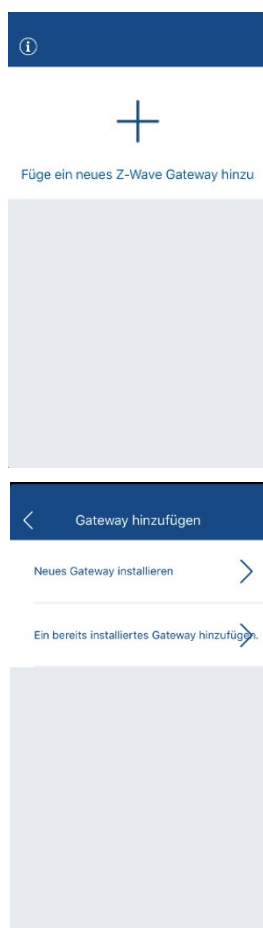
## 5. ABUS Z-Wave One: First Access

### 5.1. Download App

For the first access download the app "ABUS Z-Wave One" from the Google Playstore or Apple Appstore.



### 5.2. Add Gateway



Open the app, click on the "+" sign to add a gateway.

Now select whether you want to add a new gateway or an already installed gateway.



### 5.2.1. Add new gateway

Now assign a name to the gateway and enter the ID, user and password. The ID, User and Password can be filled by scanning the enclosed Password ID.

Click OK to confirm.



The initial default password for the admin user is empty. Therefore do not enter a password.

User: admin

Password:

When you connect to the gateway for the first time, you must assign a new user and password. A connection with the standard data is not possible for security reasons.



The password for the admin account must be provided with at least 6 characters with 2 of 4 character types (upper case letters / lower case letters / numbers / special characters).



For security reasons, user data can only be changed in the local network of the gateway, so you can only complete the initial setup if your smartphone/tablet is on the same network as the gateway.



If you have forgotten your access data, you can restore the default user and password by soft reset.

### 5.2.2. Add an existing gateway

Assign a name to the existing gateway and enter the ID and your user data.

Click OK to confirm.

## 5.3. Compatibility

The ABUS Z-Wave One App is compatible with the following devices:

- SHGW10000

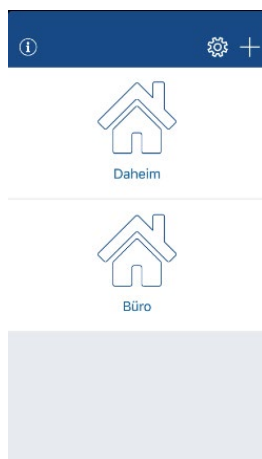
## 6. ABUS Z-Wave One App

### 6.1. Icon language

The device icons show you a certain status in the following colour variants:




- Dark Blue
  - Information (e.g. temperature value)
  - "Deactive state" (e.g. radio socket outlet off)
- light blue
  - "Active state" (e.g. radio socket on)

### 6.2. Home page

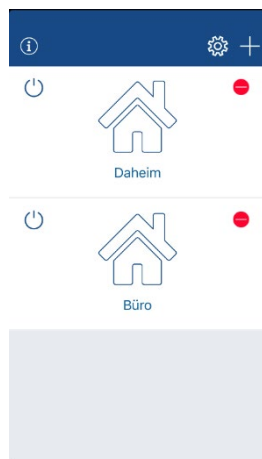


After successfully adding your gateway(s), you will find them on the home page. You can connect to the gateway by clicking on it.



You can execute the following additional functions in the overview:

-  Open the info page
-  Activate / deactivate further settings
-  Add device

#### 6.2.1. Further settings

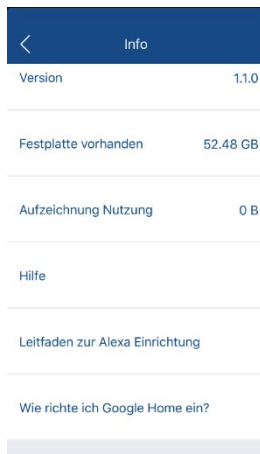


If you have activated the other settings, you can perform the following functions:

-  **Logging off from the gateway**  
At the next connection, you must enter the user data again. Do this for other users for whom you have created your own user account.
-  **Remove device**
- Automatic login**  
Automatic login can be activated for one gateway. When the app is opened, it automatically connects to this gateway. This function is automatically activated for the first gateway added.

Auto-Login

### 6.2.2. Info page



Here you will find the following information:

- Version number of the app
- Storage capacities (not relevant for the gateway)
- Illustrated instructions for the app
- Help for Alexa Voice Command
- Help for Google Home Voice Command



The Google Home voice control skill is currently in certification and is expected to be officially available by the end of March.

### 6.3. Overview

After you have connected to your gateway, you can perform the following actions:



Back to last page



Enable / disable all push notifications



Open event list



Open device settings (6.10. Device settings)



Open status/hotkey page (6.9. Status / Hotkey page)

**Device** Open device list

**Room** Open room list

**Scene** Open scene list

**Hotkey** Hotkeys created in the status/hotkey page can be triggered here.

#### 6.3.1. Push notification

In the overview, the push notifications of the gateway can generally be activated or deactivated. For the notification of specific events for devices or scenes, the notification for the event must also be activated on the devices page or in the scene list.

### 6.3.2. Event list



Event Historie		
Heizen	01/28 14:24:05	Ausgelöst
4in1 Keller	01/28 13:53:45	Ausgelöst
4in1 Flur	01/28 13:53:41	Ausgelöst
4in1 Keller	01/28 13:48:51	Ausgelöst
4in1 Flur	01/28 13:48:48	Ausgelöst
4in1 Keller	01/28 13:48:11	Ausgelöst

In the event list you have access to the last 1000 events of the gateway.

You can perform the following actions:



Limit events by keywords



Activate / deactivate event types

### 6.4. Device list

The device list gives you an overview of all taught-in devices.

Actuator devices (e.g. radio sockets) can be controlled directly by clicking on the icon.



ZUHAUSE		
Komponente	Raum	Szene
10	6	5
<div> <div>^</div> <div>Komponente</div> <div>+ -</div> </div>		
	4in1 Flur Raum: Wohnzimmer NORMAL	>
	Kaffeemaschine Raum: Küche	>

You can change the order of the devices in the list using Drag & Drop (press and hold a line and move and release at the desired position).

You can perform the following additional actions:



Maximize Device List



Minimize device list



Add Device



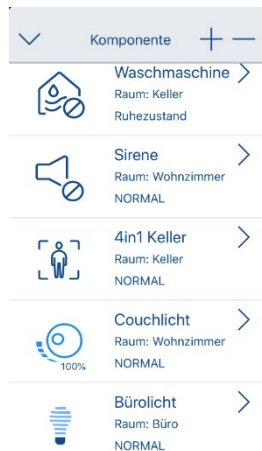
Remove device



Open device page

The following is displayed for each device:

- Device name
- Allocated space of the device
- Status of the device
  - Normal: Device has recently reported to the gateway.
  - Sleep mode: Device is in sleep mode
  - Inactive: device has not logged on to the gateway for more than 24 hours



Special symbols and their meaning:

If the interview was not successfully completed when a device was included, not all functionalities may be present and the left symbol will be displayed.

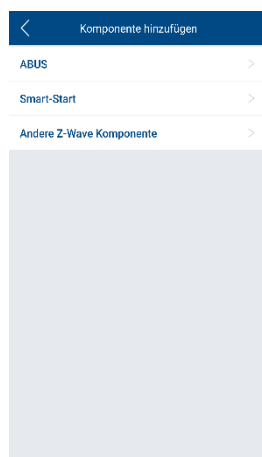


You can either wait for the wake-up interval (usually every two hours) until the next interview is started, or you can exclude the device and re-pair it.



If a device is inactive, the "-" symbol is displayed. In this case, check the battery or the functionality of the device.

#### 6.4.1. Add / Remove ABUS device

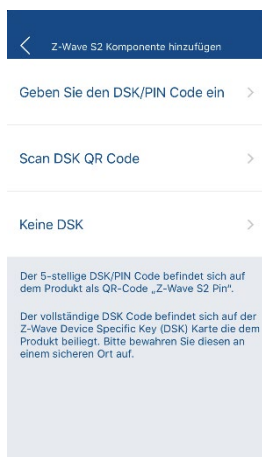


After clicking on the "+" symbol, select the device you want to add or remove under "ABUS" and follow the instructions in the app.

If the setup fails, you will be shown potential error sources in the app.

All ABUS devices (except LEDs) have the new S2 safety standard. For some devices (e.g. multisensor) you must select a selection of the S2 method:

- Enter DSK code
  - Enter the first five digits of the DSK code manually.  
The first five digits are located on the unit and/or on the DSK card supplied.
- Scan DSK code
  - Scan the QR code here.  
The QR code is located on the device or on the enclosed DSK card.
- No DSK/PIN code
  - Start the setup without the DSK code.



If a DSK code is enclosed with the component, the component should be added by using the "Enter DSK Code" or "Scan DSK Code" method. The method "No DSK/PIN code" may fail partially for such components..



If the adding via S2 is not successful, try to add the device via S0 standard. For this, choose "other z-wave device" and negate the S2 standard.

General information on the S2 safety standard:



The new S2 security standard closes a vulnerability that allowed a potential attack at the time the device was first paired.

You can find more information under: <https://z-wavealliance.org/mandatory-security-implementation-z-wave-certified-iot-devices-takes-effect-today/>

#### 6.4.2. Add / Remove ABUS Smartvest



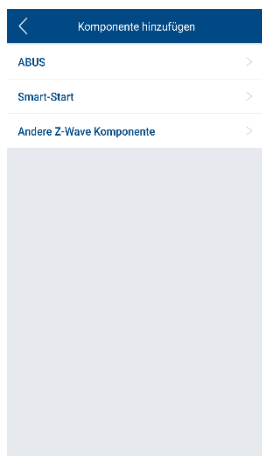
After you have clicked on "+", select the "Smartvest" under "ABUS".

To add:

- Search your Smartvest either automatically in the network or enter the DID of the Smartvest manually.
- Enter the security code of your Smartvest.

All available devices and the Smartvest itself are now displayed in the device list. A detailed description of which functionalities are possible can be found below. (8. Smartvest compatibility)

### 6.4.3. Add / remove device via Smart-Start



#### Add

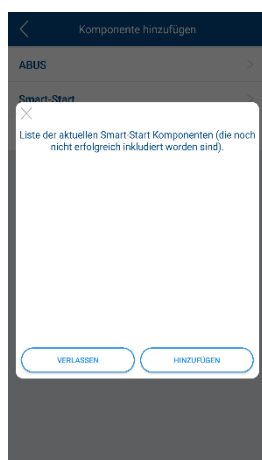
Before you supply power to the device, choose Smart-Start after you pressed „+“.



The device must support Smart-Start!

#### Delete

To delete a device from the Smart-Start List, click on the „-“ symbol and choose „Smart-Start“.

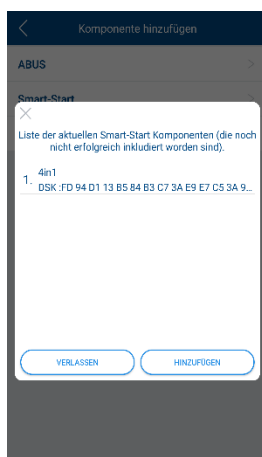


#### Add

Click on add to scan the DSK-Code of the device. The code is normally placed directly on the product or on a separate enclosed DSK-Code card. Give the device a name and complete the process.

The device will be now listed in the Smart-Start list, if the process was successful. You can add more devices to the Smart-Start list before you start the inclusion / exclusion of the devices.

To start the inclusion- / adding process, supply the device with power. The device will be added automatically.



Only include one device at a time and wait until the device has been successfully added before adding another device via Smart-Start.

#### Removing

To remove a device from the Smart Start list, click an existing entry and confirm the removal.

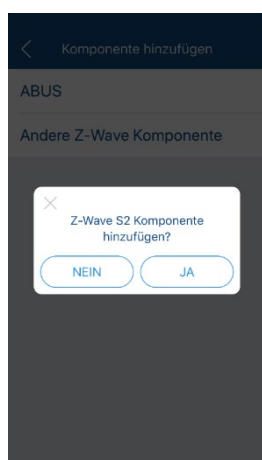
#### 6.4.4. Add / Remove device from other manufacturers



After clicking "+", select "Other Z-Wave Device" to add or remove third-party devices.



You can also add or remove ABUS devices with this selection. The preselection of the S2 standard and the illustration for triggering the device are missing here.



Then select whether the third-party device supports the S2 security standard or not. This information can be found in the manufacturer specifications of the third-party device.

For S0 devices follow the instructions in the app to add the device.

If the setup fails, you will be shown potential error sources in the app.

For more details about adding devices via S2 method, please refer to the section in the "Add / remove ABUS device".

#### Reference



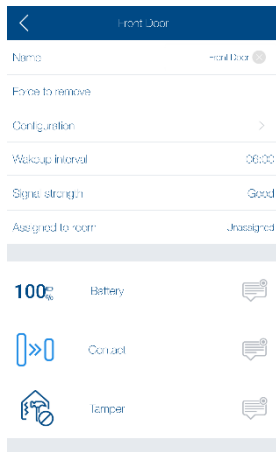
According to the Z-Wave certification an integration of any devices is possible. However, it can happen that some functionalities of the third-party device are not correctly supported. ABUS only guarantees the complete functionality of ABUS devices. If a malfunction should occur, contact our customer service with the manufacturer and model number of the device. We will consider this for a next release version.



## 6.5. Device page

On the device page, all essential status displays of the device are displayed.

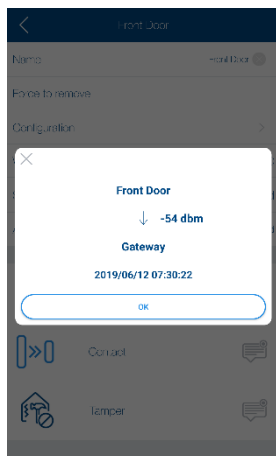
Actuators of the devices (e.g. radio socket) can be controlled directly by clicking on the icon.



You can also perform the following actions:

Name	Change device name
Force Delete	Remove defective or inactive devices
Signal strength	Displays the connection quality. If the component is connected via a mesh node, the connection quality to the last mesh node is displayed.
Wake-up interval	Click on the line to open the detail view.
Room assigned	Change wake-up interval
	Change assigned room
	Open configuration page
	Activate/deactivate push notification for the respective status

### 6.5.1. Signal Strength Detail View

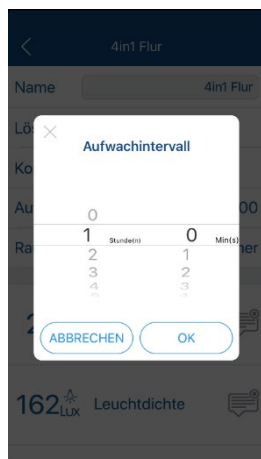


In the detail view you can see the connection quality as -dBm value, like the last message of the component. If the component is connected to your gateway by several mesh nodes, these are also displayed.



For a connection via mesh nodes, only the connection quality to the last mesh node can be displayed. In this case, a poor connection quality from component to mesh node may be present despite good connection quality displayed to the mesh node.

### 6.5.2. Wake-up interval



The wake-up interval determines how often a battery device wakes up and reports to the gateway.



A change in the wake-up interval will significantly affect the battery life of the device. The stated battery life of ABUS devices refers only to the standard wake-up interval! You can find this information in the BDA of the device.



The wake-up interval does **not** determine the transmission interval of the sensor reports (e.g. temperature, humidity, current measurement, etc.). These must be set separately in the configurations.

### 6.5.3. Configuration Page - ABUS devices



With ABUS devices that allow the configuration of certain parameters, the individual parameters can be adjusted with sliders. Further assistance is available for individual parameters by clicking on the question mark.



For components with direct power supply (e.g. radio socket), all current parameter settings are queried. This can lead to a longer loading time of the configuration page.

For components with battery power supply, the configuration page with the standard values is called up. Changes are stored directly in the gateway to the next view and are synchronized the next time the component wakes up.

You can still set each individual parameter using Manual Configuration.

### 6.5.4. Configuration Page – Manual configuration



Some devices allow the configuration of certain parameters. These can be set from the configuration page.

Refer to the manual of the respective component to find out which parameter settings are possible.

Obtain value:

Enter the parameter, select the corresponding byte size (1 / 2 / 4 bytes) and click on "GET".

Set value:

Enter the parameter and the value, select the byte size (1 / 2 / 4 bytes) and click on "SET".

## 6.6. Room / Group list

### reference



Groups have a similar structure to rooms, which is why they are not described in more detail.

Groups are used to group actuators together across rooms in order to integrate them into scenes.






(e.g. "Light" group for switching on / off all lights in the house)

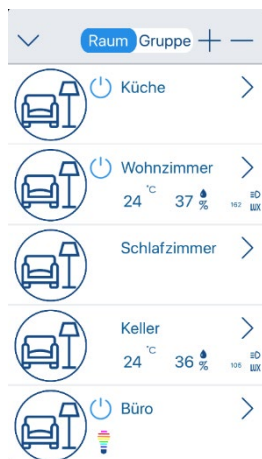
In the room list, you have an overview of all created rooms.








You can change the order of the rooms or groups in the list using Drag & Drop (press and hold a line and move and release at the desired position).

You can perform the following actions:

-  Maximize room list
-  Minimize room list
-  Add room
-  Remove room
-  Open room side



The following is displayed for each room:

-  Switch, light or socket active / deactivated
-  RGBW LEDs active / deactivated
-  °C Temperature display
-  Humidity display
-  LUX Brightness display

### Reference



The room "unassigned" is a fixed, non-erasable room. New devices, devices that are removed from a create room and devices that were in a remove room are all moved to the "unassigned" room.

The respective displays can also be actively controlled from the room list by a click.



Activate / deactivate all switches, lights or sockets



Enable / disable all RGBW LEDs



Open temperature progression



Open the moisture progression



Open brightness progression



In the temperature / humidity and brightness progression, you can choose between the individual values under "Details" by clicking on them.

You can switch between the day and month view using the Day / Month button.

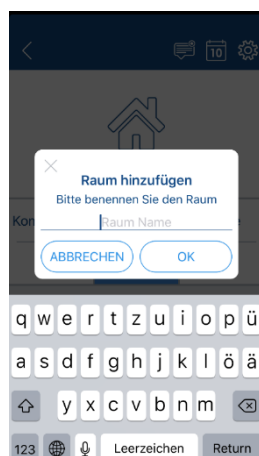
The value of the brightness is always displayed in percent, because different components output a brightness in e.g. percent or LUX.

The conversion from LUX to percent is done as follows:



- More than 1300 Lux
  - 100 %
- More than 150 Lux
  - $(93 + [\text{Lux} * \{2600 - \text{Lux}\} / 260000]) \%$
- Less than 150 Lux
  - $(20 + [\text{Lux} * \{423 - \text{Lux}\} / 550]) \%$

### 6.6.1. Add / remove room

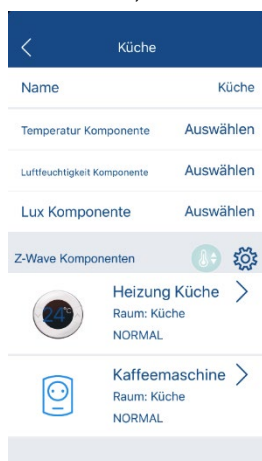


After you have clicked on the "+" symbol, give the room a name.





## 6.7. Room page

All existing devices are displayed on the room page.

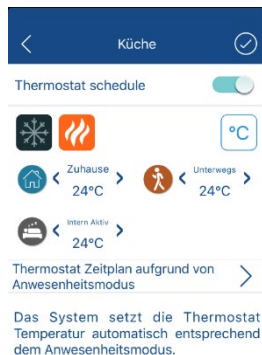
Actuators of the devices (e.g. radio socket) can be controlled directly by clicking on the icon.



You can perform the following actions:

Name	Change the name of the room
Temperature Device	Select the device whose value is to be used in the room list and in the temperature progression.
Humidity Device	Select the device whose value is to be used in the room list and in the humidity progression.
Lux Device	Select the device whose value is to be used in the room list and in the brightness progression.
	Open temperature / humidity and brightness progression
	Configure heating plan (If heating controller available)
	Add / move / remove devices
	Open device page

### 6.7.1. Heating schedule



If you have added a heating controller to the room, you can access the heating plan.

Here you can set whether the heater is controlled by the gateway status or by a manual schedule.

**Gateway status control:**

Set the temperature values for the three different gateway states.

**Manual schedule control:**

Set the time windows and temperature for each day.

## 6.8. Scene list

In the scene list you have an overview of all created scenes.

You can change the order of the scenes in the list using Drag & Drop (press and hold a line and move and release at the desired position).

You can perform the following actions:



Maximize scene list



Minimize scene list



Add scene



Remove scene



Activate / deactivate scene



Trigger scene

Configure scene:

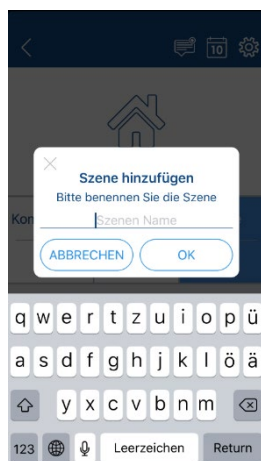


- Change the name of the scene
- Using dynamic icons (app icons)
- Using a fixed icon (personal camera image)



Activate/deactivate push notification when scene is triggered

### 6.8.1. Add / Remove scene



After you have clicked on the "+" symbol, give the scene a name.

The scene must then be adjusted.

### 6.8.2. Setting the scene

The scene is divided into three conditions:

#### WHAT IF

Condition of a device required to trigger the scene.

(e.g. opening detector is "open")



Up to 6 conditions can be linked with "AND" or "OR" connections.

- "AND": e.g. 6 of 6 conditions must be fulfilled
- "OR": e.g. 1 of 6 conditions must be fulfilled

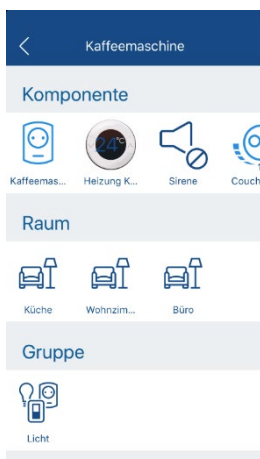
#### THEN

Actions that are to be switched through this scene.

(e.g. switch radio socket "on")

Up to 12 actions can be switched in a scene.

For each action, an action duration can be defined. The value "seconds" can be clicked here (after checkbox is checked) to switch between seconds, minutes or hours.



#### WHEN

Scenes can be associated with the additional condition of gateway status "Home", "Away" and "Sleep".

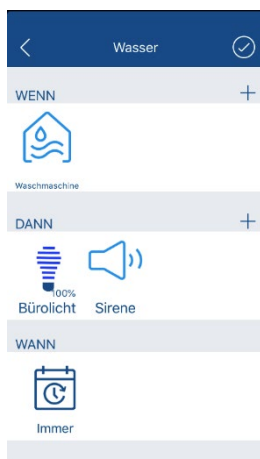
(e.g. IF opening detector "open" / THEN switch radio socket "on" / IF at status "at home")

Alternatively, you can link the scene to a time. Here you have the following choice:

- Always
- Specific time period each day
- Specific time period on specific days each week
- Specific time period on specific days



A scene can also be saved without a WHEN condition. The time value "Always" is automatically set for the scene.



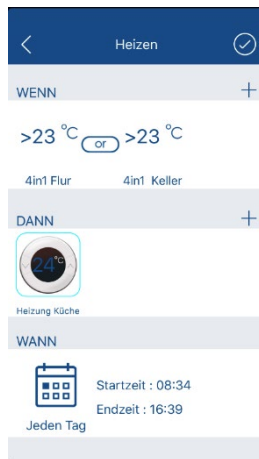
If a condition has been defined incorrectly, click the condition to adjust it. (e.g. temperature value incorrectly selected)

If an incorrect condition has been selected, press and hold the condition to remove it.



Once a WHEN condition has been selected, it can no longer be removed, but only modified by holding it down for a long time.

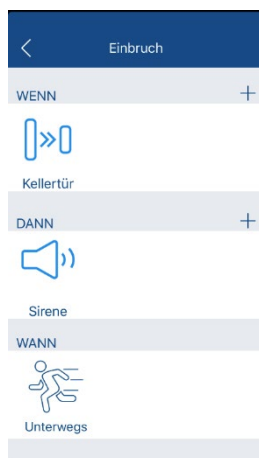
### 6.8.3. Examples



IF: temperature in the hallway or cellar is below 23° C

THEN: Switch heating controller to 24° degree

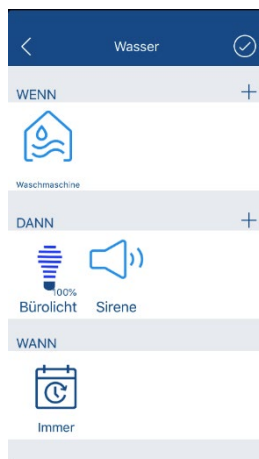
WHEN: Every day from 08:34 - 16:39



IF: opening detector is "open"

THEN: Turn the siren on.

WHEN: When gateway status is "Away"



IF: Water detector triggers

THEN: switch siren "on" and switch RGBW-LED on with color blue

WHEN: Always



### 6.8.4. Special cases and special functions



A scene can also be set without an IF condition.

For example, actions can be defined for the status of the gateway.

(e.g. switch socket "off", with status "on the way")

Actions can also be linked to the time settings. Here, however, only the start time at which the actions are executed is relevant. So at the end time the actions are not undone.

(e.g. switch the socket "off", every day at 10 o'clock)

In the THEN part of a scene, the following additional functions can be set for actuators:



#### Action duration

The action duration specifies how long the actuator should hold the selected action after the scene has been triggered. (e.g. switch socket "on" for 10 seconds)

You can set the action duration in seconds / minutes / hours. To do this, click on the text "Seconds / Minutes / Hours".

#### Reverse action to end time

This option is only available in timed scenes. In the WHEN part, "Every day" / "Every week" / "Fixed time" must be selected accordingly.

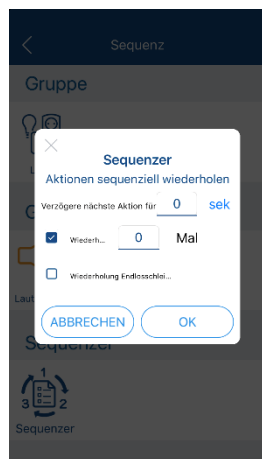
If this option is active, the action is executed at the start time and is reversed at the end time.

(e.g. switch socket "on" at 07:45 and switch socket "off" at 11:15).



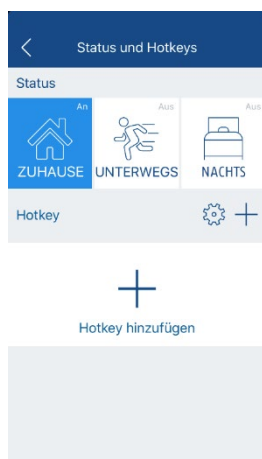
In the THEN part you can select the loudspeaker of the gateway as an action.

The speaker plays an alarm tone when the scene is triggered.



In the THEN part you can install a sequencer for the actions. The sequencer makes it possible to switch all actuators one after the other in a certain interval and executes the actions several times one after the other or in an endless loop, depending on the settings.

## 6.9. Status / Hotkey page

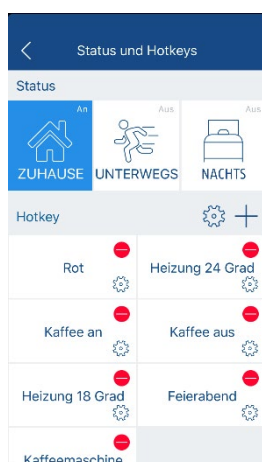


On the hotkey and status page, you can change the status of the gateway by clicking on it.

In addition, you can perform the following actions for hotkeys:

 Configuring Hotkeys


 Add Hotkey



If you have created hotkeys, you can trigger them with a single click.

You can change the order of the hotkeys in the list using Drag & Drop (press and hold a line and move and release at the desired position).

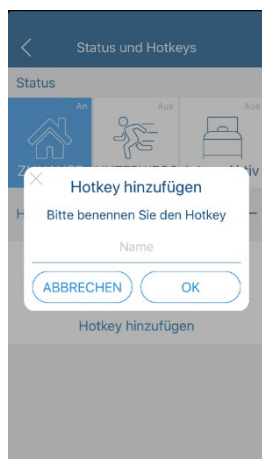
When you configure the hotkeys, you can perform the following actions:

 Remove Hotkey

**Hot key** By clicking on the hotkey, you can trigger the hotkey.

 Rename Hotkey

### 6.9.1. Add / remove hotkey



After you have clicked on the "+" symbol, give the hotkey a name.

The hotkey must then be set.

### 6.9.2. Setting the Hotkey



A hotkey behaves like the THEN part of a scene and can thus be set.

A hotkey can only be triggered manually by clicking on the hotkey or via voice control.

## 6.10. Device settings

Here you will find a list of all available settings:

**Name:** Change the name of the gateway

**ID:** Displays the ID of the gateway.

### Information:

- Model Index
- Firmware version
- Registration
- Network type
  - Indication whether DHCP or Fixed IP is set
- IP address

### Network:

- Choice between DHCP or Fixed IP
  - If you select a fixed IP, assign a free IP address in your network to the gateway. In conventional networks, the subnet mask is always "255.255.255.0". Enter the IP address of your router under "Default Gateway", "DNS 1" and "DNS 2".



If you have made an error when assigning a fixed IP and cannot find the gateway again, you can restore the default value "DHCP" by soft reset.

### Admin:

- Log in
  - Change the login information of the admin user here.  
This is only possible in the local network of the gateway.
- Z-Wave factory settings
  - Removes all devices, rooms and scenes from the gateway

### Attention



The devices still have the home ID of the gateway stored and must be reset before they can be taught again. Alternatively, you can carry out the "Remove" process with the device in the app before teaching in the device.

- Z-Wave Backup / Restore
  - Here you can save a local backup of the gateway on your smartphone and reinstall it if necessary.
- Refresh:
  - In exceptional cases, our technical support may ask you to manually install a new firmware. This function is required for this.

### 6.10.1. User management



In user management, you can create additional users in addition to the admin user. These can be limited with different authorizations in the operation with the gateway.

Enter the following data when creating a user:

- Username (required for login)
- Password (required for login)
- Permissions
  - Hotkey (change status and switch hotkeys)
  - Operation (access to status/hotkey, devices, rooms and scenes, but no setting possible)
  - Settings (access to status/hotkey, devices, rooms and scenes, setting possible)

Access to the device settings (except network) is not possible for any additional user.



Please note that for the authorization "Operation" and "Settings" the password must have at least 6 characters with 2 of 4 character types (upper case letters / lower case letters / numbers / special characters), otherwise the access for the user is not possible.

- User code
  - Define the user code that enables the user to perform an action when entering an access device or an external control panel.
- Controllable devices
  - Specify whether access devices can be controlled by the user
- Allowed time
  - Specify a time period during which the user has access and can perform actions.

## 7. Firmware update

If a new firmware is available for your gateway, you will be notified after the connection with the gateway and have the possibility to update directly. All settings are retained.



Updating the gateway takes about 3-5 minutes. Do not disconnect the gateway from the power supply during this time!

More information about the changes can be found under the download tab on the product website:  
[www.abus.com/product/SHGW10000](http://www.abus.com/product/SHGW10000)

## 8. Smartvest Compatibility

The ABUS Z-Wave Gateway is also compatible with the ABUS Smartvest wireless alarm system.

### 8.1.1. Connection between Z-Wave Gateway and Smartvest

You can integrate the Smartvest wireless alarm system into the gateway locally (also without Internet access) or via the cloud. Thus the Smartvest and the Gateway can also be located in different networks / buildings. If the Smartvest is in another network, the DID must be entered manually when the Smartvest is added.

### 8.1.2. Synchronized data

After a Smartvest has been assigned to the Gateway (as described above), the following data can be synchronized between the Gateway and the Smartvest

- Smartvest
  - Status (Active / Internal Active / Deactive)
  - Status Alarm (Alarm / Panic Alarm / 24H Alarm / Sabotage Alarm)
  - Temperature
  - Air humidity
- Smartvest magnetic contact
  - device name
  - Status (Open / Closed)
  - sabotage contact
- Smartvest motion detector
  - device name
  - Status (Movement / No movement)
  - sabotage contact
- Smartvest vibration detector
  - device name
  - Status (Vibration / No vibration)
  - sabotage contact

- Smartvest Water Detector
  - device name
  - Status (Water / No water)



If the Smartvest water detector has been triggered, the status is only reset by deactivating the Smartvest.

- Smartvest smoke/heat detector
  - device name
  - Status (Fire / No fire)



If the Smartvest smoke/heat detector has been triggered, the status is only reset by deactivating the Smartvest.

- Smartvest wireless pushbutton
  - device name
  - Action (value 1: short press / value 2: long press)



In the IF section, the Smartvest radio pushbutton can be used with the value 1 (short press) or value 2 (long press).

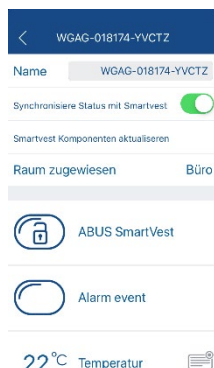
- Smartvest Door Gong
  - device name
  - Action (selection of the 4 gong tones)
- Smartvest radio socket outlet
  - device name
  - Action (On / Off)



### 8.1.3. Smartvest device side

On the Smartvest device page in the Z-Wave One app, you can perform the following additional functions:

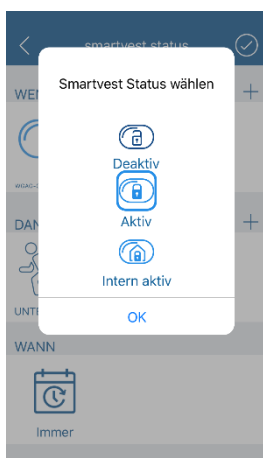
- Synchronize status with Smartvest
  - If activated, the gateway status is adapted to the status of the Smartvest.  
Smartvest Active -> Gateway switches to Away  
Smartvest Internal Active -> Gateway switches to Sleep  
Smartvest Deactive -> Gateway switches to Home
- Update Smartvest devices
  - If you have added new devices in the Smartvest or deleted Smartvest devices in the Z-Wave One app, you can restart the device synchronization by clicking on the button again.



It is possible to change the names of the Smartvest devices afterwards. However, if you restart the synchronization, the names will again be adapted to the device name in the Smartvest.

### 8.1.4. Smartvest in the scene

You can link the status of the Smartvest to actions as a condition in the IF part.



The scene is only triggered when the Smartvest status changes. If an action (e.g. radio socket on) is reset manually, the scene is only triggered when the Deaktiv button is pressed again.

You can link the status of the Smartvest as an action in the THEN part.



To prevent foreign components from interfering with the alarm logic of the Smartvest alarm system, changing the Smartvest status in scene control is only possible if all conditions in the IF part are related to ABUS Z-Wave components.

If a third-party component is selected, it is no longer possible to change the status in the THEN part. An already selected status change is automatically removed.



You can link a Smartvest alarm to actions as a condition in the What-If part. You can select the following alarm types:

- Alarm (triggering of a Smartvest device in active state)
- Panic alarm (manual triggering of an alarm by e.g. the Smartvest remote control)
- 24H alarm (triggered by a 24H device, such as the water detector)
- Sabotage alarm (triggering sabotage of a Smartvest device)

You can send a panic alarm to Smartvest as an action in the THEN-part.

## 9. Technical data

SHGW10000	
Number of devices	120
Number of rooms / groups	40
Number of scenes	60
Wireless modulation	Z-Wave Plus / FSK (BFSK / GFSK)
S2 safety standard	Yes
Radio frequency	868.42 MHz
Transmitting power	2 dBm
Radio range	(depending on installation) 20 - 100m
Software	App: ABUS Z-Wave One (Android / iOS)
Dimensions (mm)	(W x L x H) 96 x 21 x 96
Material	Plastic
Power supply	5V DC
Current consumption	280mA
Network connection	RJ45 socket (10 / 100Mbps)
Loudspeakers	Yes
Operating temperature	0° - 50° Celsius