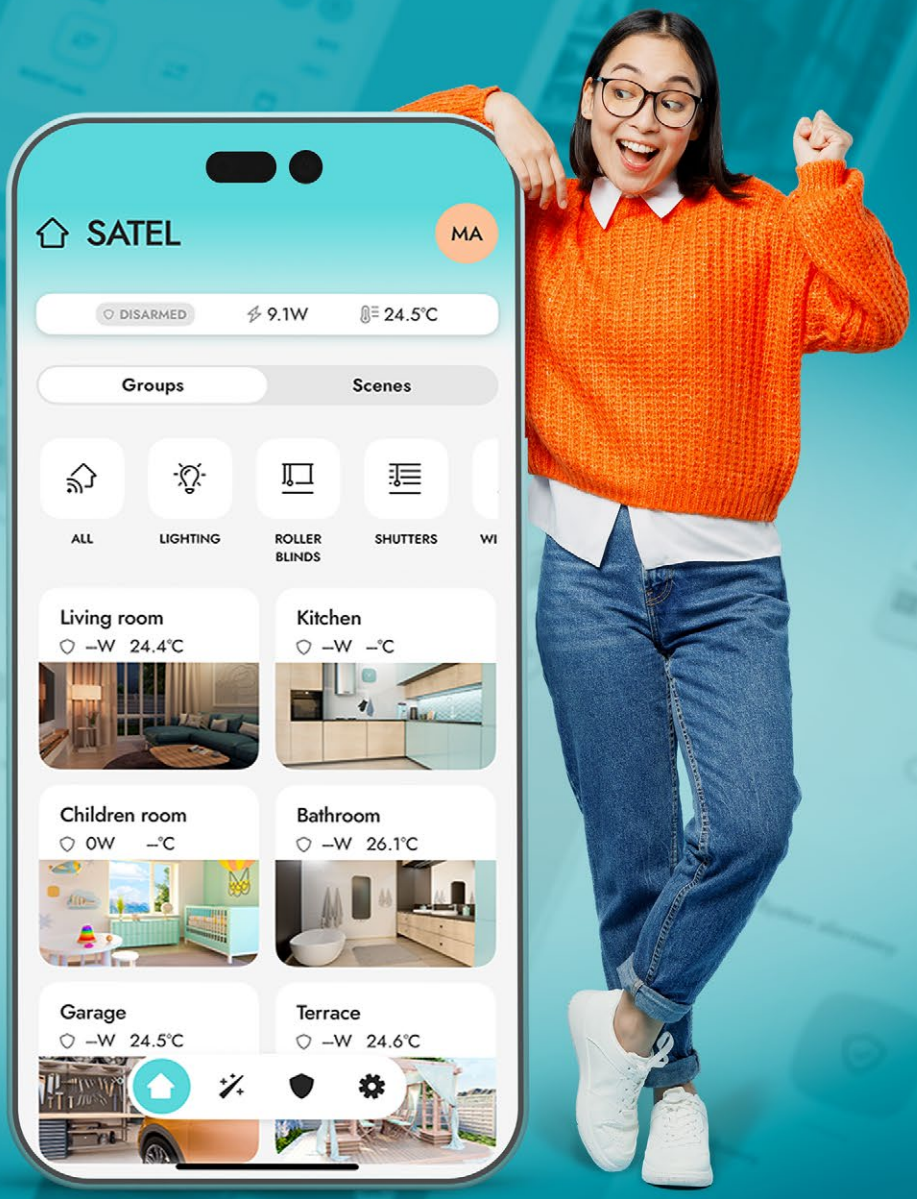

BE WAVE App

User manual

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BE WAVE is a ***smart&safe*** system developed by SATEL, a renowned Polish manufacturer of alarm, smart home, fire alarm and access control systems.

BE WAVE combines home automation features with the protection of property as well as life and health from threats. It's designed to make you feel comfortable and secure every day. The main features of the system are hassle-free installation, easy and quick configuration and intuitive operation. To this end, the user-friendly BE WAVE app has been developed. We put this guide to the app in your hands to make it even easier for you to navigate, manage your system more effectively, get the most out of it and find the information you need faster.

Feel free to follow our channels on:

YouTube
https://www.youtube.com/watch?v=QDx7EEacKAM&list=PLRZ1c3cFzGmgDMkKXZbuYAuBXE2GNMyWK
https://www.youtube.com/@satelsmartvlogen

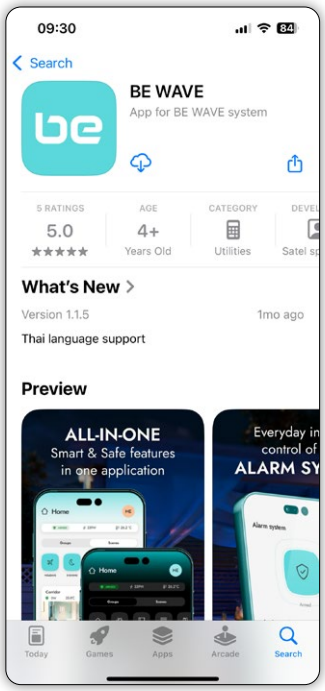
Instagram
https://www.instagram.com/bewave.systems

If you need professional help, contact your local distributor.
https://bewave.systems/en/where-to-buy/

Enjoy the app and have fun.
Get to know your **BE WAVE** and use its potential to the max!
The SATEL team

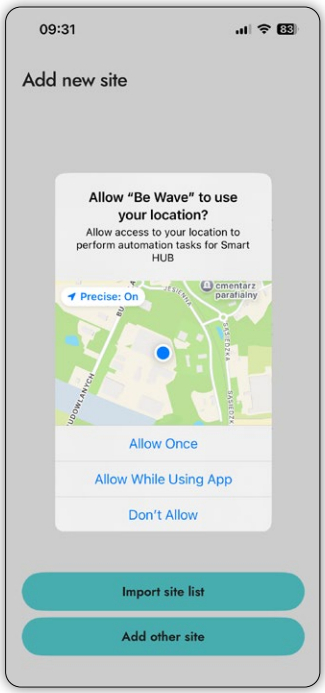
1. Installing the application and adding a site

You can start by installing the app or connecting the Smart HUB. We will now discuss both these ways. Our recommendation is path 1 but the choice is yours.

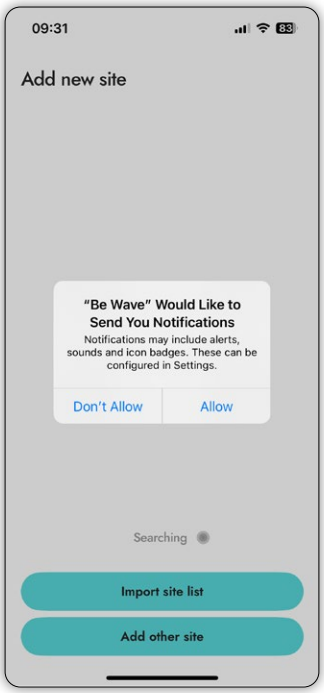


Path 1

Start by downloading the **BE WAVE** app from the App Store (if you have an iOS device) or Google Play (if your device runs Android). To run it, you need a phone with iOS 11.0 or later or Android 11 or later. Each user can install the app on 5 different mobile devices.

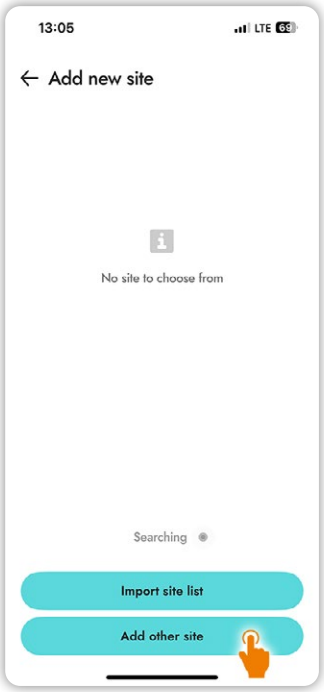


The app will ask for permission to use your location. It is recommended to choose the option: **Allow While Using App**. This will ensure, among other things, the correct operation of the astronomical clock, according to which we can later automate the equipment's operation.



The app will also ask for permission to send you notifications. To enable the app to keep you effectively informed of events and alerts, **allow** it to send you notifications in the form of alerts, sounds and badges.

Another question concerns permission to search for and connect to other devices on the local network, such as cameras. **Allow** the app to connect to them and locate the Smart HUB.

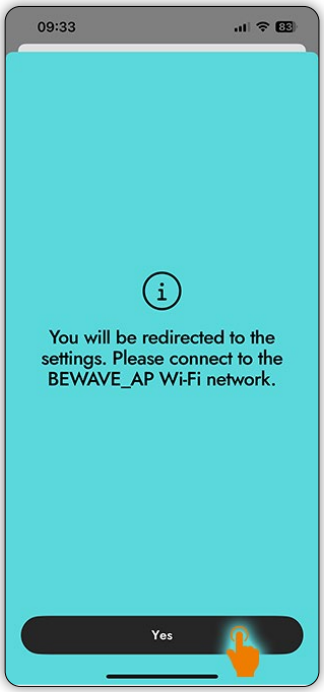


You will now see the Add site screen and information about the site search. Click **Add other site**

The **Connect Smart HUB** screen then appears. Connect the device according to the instructions and click on **Next** in the app.

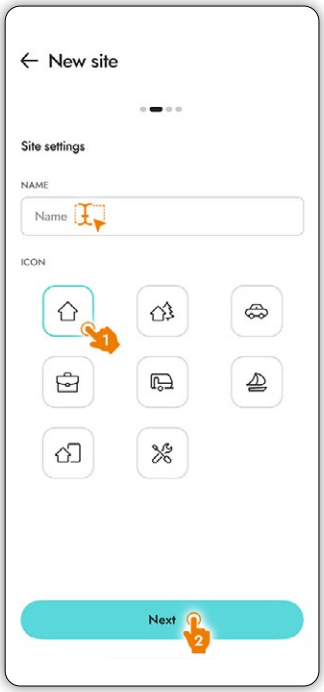
Install the Smart HUB – the instructions (Chapter 4 – Installation) will help you do this.

Scan the QR code to download the instructions.

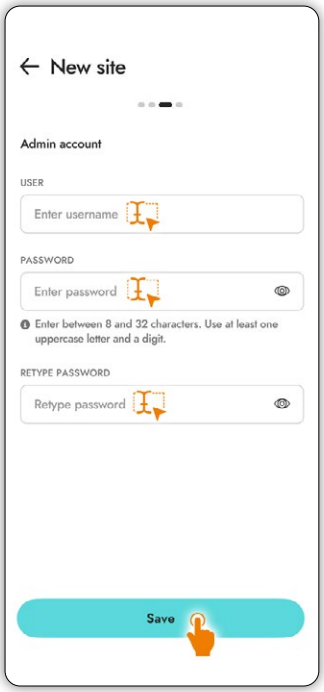


A message on the app screen will appear, telling you that you will be redirected to the network settings. Click on **Yes**.

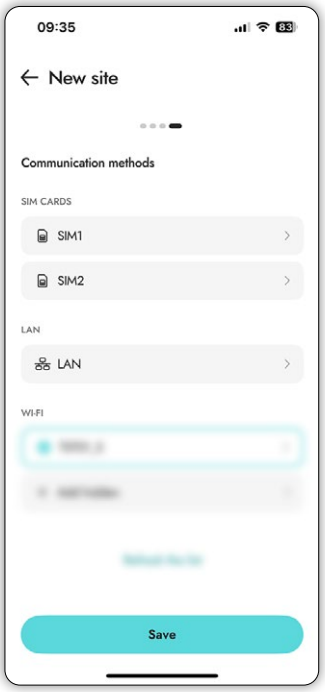
Select the appropriate BE WAVE_AP network containing the MAC address of your controller. You will find it on a sticker under the back casing of the device. Connect to this network. (In our case it is: **BEWAVE_AP_001B9C1804...**). Don't worry about a message that you are not connected to the Internet. It is not needed at the moment.



Go back to the app. The **New site – Site settings** screen will appear – enter any site name of your choice (this will appear in your app, e.g. HOME) and select an icon (1) you will use to identify it. Click on **Next** (2).

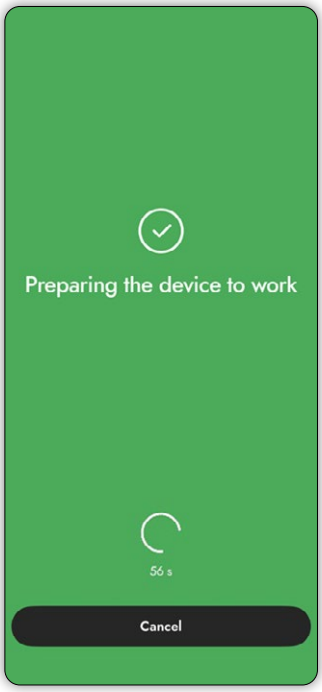


On the **New site – Admin account** screen, enter your name (this is how you will be identified in the system), set and enter a password (between 8 and 32 characters, using at least one capital letter and a digit), enter the password again and click on **Save**.



The **New site – Communication methods** screen will appear – to configure the method of communication to be used with the controller. In the case of the **Smart HUB**, you can opt for LAN and Wi-Fi, and in the case of the Smart HUB Plus and Smart HUB Plus LV you can additionally choose two SIM cards. Click on Save.

You can set up several communication channels that will automatically switch according to their availability.

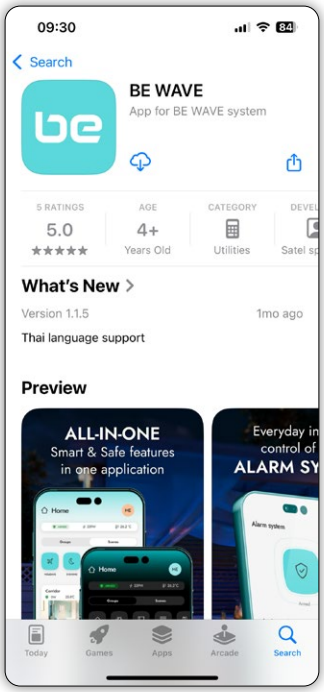


The **Preparing the device to work** screen will be displayed. At this time, the Smart HUB will switch to the selected communication method and the Wi-Fi access point mode will be disabled. Wait until the main screen of the app is displayed.

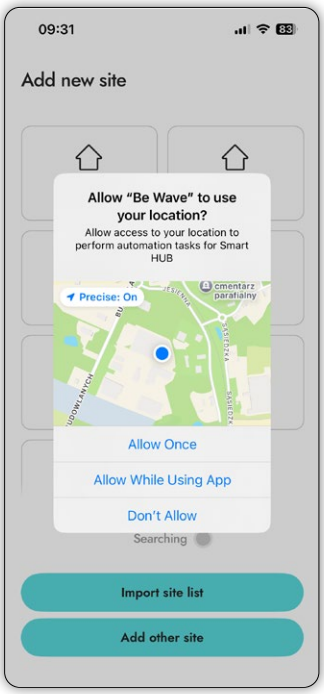
Path 2

Start by launching the **Smart HUB** according to the instructions.
The sequence of steps will then be as follows:

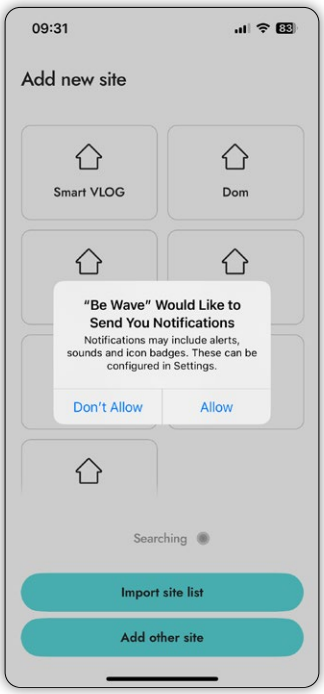
Once the **Smart HUB** is up and running, go into the Wi-Fi network settings on your phone.
The BEWAVE_AP network with the MAC address of your controller will appear there. You can find it on a sticker under the back casing of the device. Connect to this network. (In our case it is: **BEWAVE_AP_001B9C1804...**).
Don't worry about a message that you are not connected to the Internet. It is not needed at the moment.



Now download the **BE WAVE** app from the App Store (if you have an iOS device) or Google Play (if your device runs on Android). To run the BE WAVE app, you need a phone with iOS 11.0 or later or Android 11 or later. Each user can install the app on 5 different mobile devices.



The app will ask for permission to use your location. It is recommended to choose the option: **Allow While Using App**. This will ensure, among other things, the correct operation of the astronomical clock, according to which we can later automate the equipment's operation.



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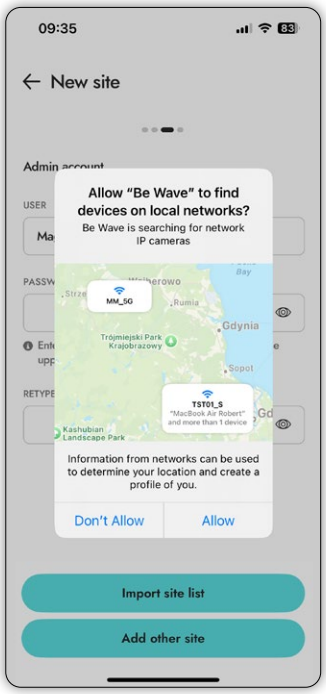
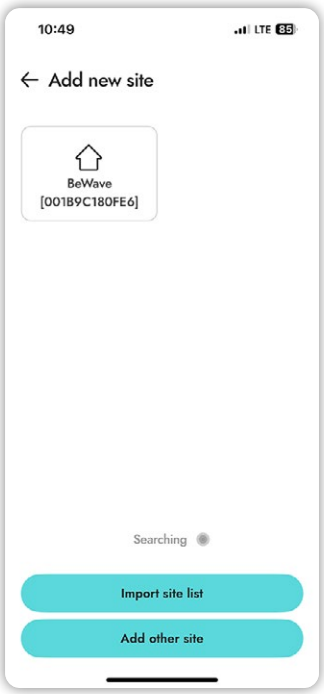
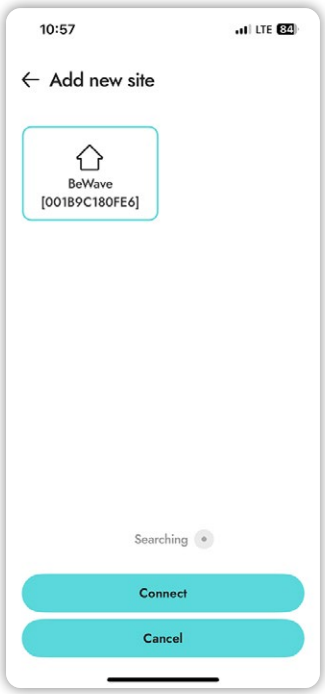


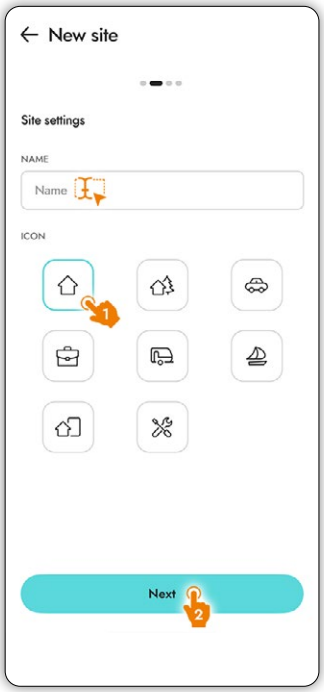
Another question concerns permission to search for and connect to other devices on the local network, such as cameras. **Allow** the app to connect to them and locate the Smart HUB.



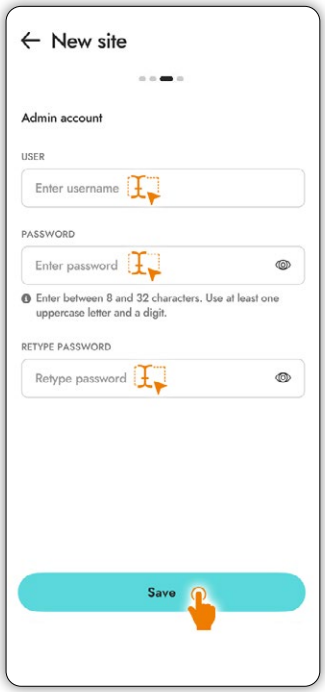
The **Add new site** screen will now appear.



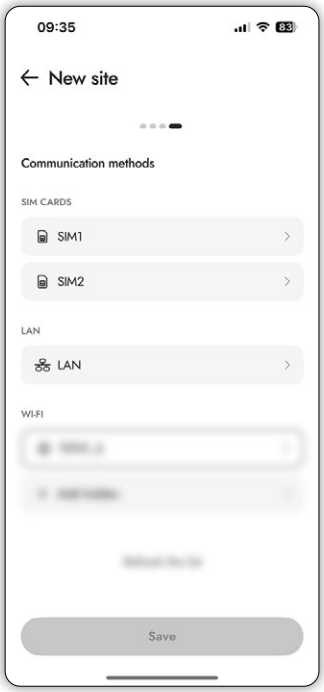
Select the site you wish to add. The buttons at the bottom of the screen will change. Click on **Connect**.



The **New site – Site settings** screen will now appear – enter any site name of your choice (this will appear in your app, e.g. HOME) and select an icon (1) you will use to identify it. Click on **Next**.

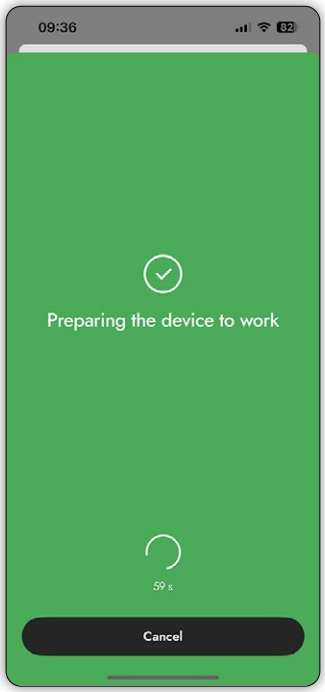


On the **New site – Administrator account** screen, enter your name (this is how you will be identified in the system), set and enter a password (between 8 and 32 characters, using at least one capital letter and a digit), enter the password again and click on **Save**.



The **New site – Communication methods** screen will now appear – to configure the method of communication to be used with the controller. In the case of the **Smart HUB**, you can opt for LAN and Wi-Fi, and in the case of the **Smart HUB Plus** and **Smart HUB Plus LV** you can additionally choose two SIM cards. Click on Save.

You can set up several communication channels that will automatically switch according to their availability.



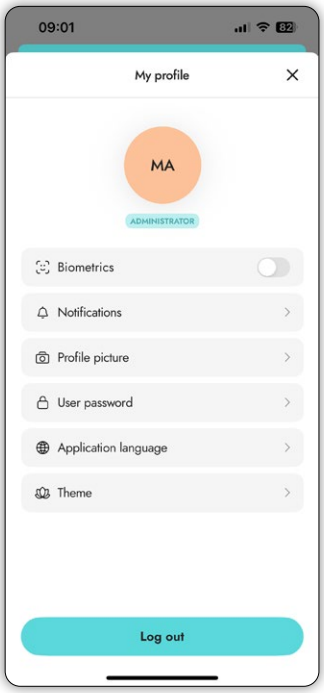
A screen will appear with a message saying that the controller is being prepared for operation. At this time, the Wi-Fi access point mode will be deactivated and the controller will switch to the selected communication method. Wait until the main screen of the app is displayed.

2. Site export and import

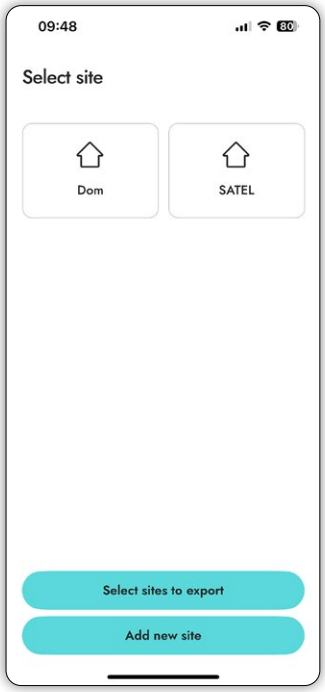
You can export each site along with all the settings from the app and then import it onto another device – this will come in handy when changing to a new phone, for example.

Site export

To start the export:



first **Log out** of the site
to which you are currently logged in.



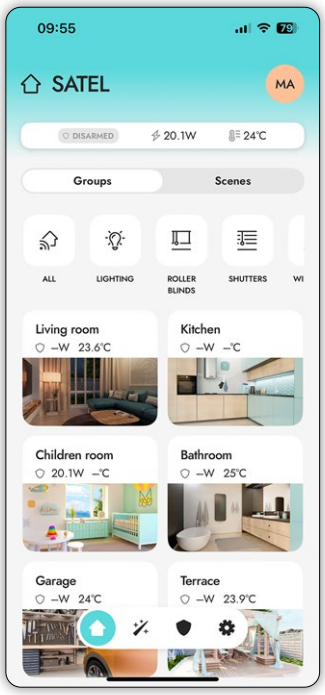
Click on the **Select sites to export** button.

You can select individual objects or choose **Select all**.

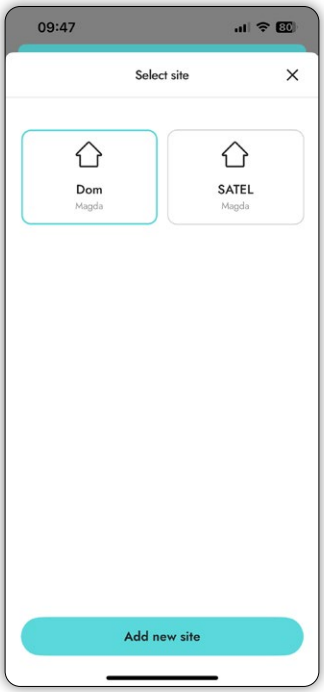
Once they are selected, click on the **Export site list** button. The export will start once you have selected where to place the files.

Site import

To import a site:



click on the name of the site on the app's main screen.

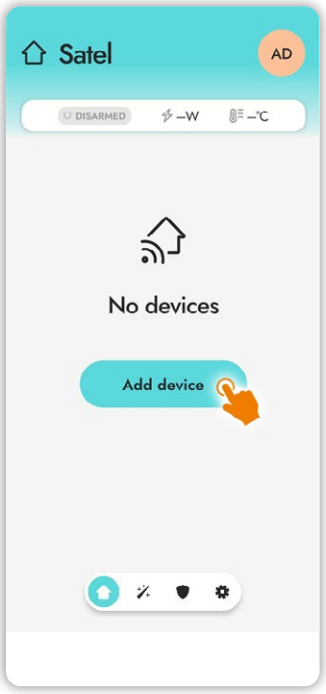


On the **Select site** screen, click on the **Add new site** button.

Then click on the **Import site list** button and choose previously exported sites you wish to import.

3. Adding devices

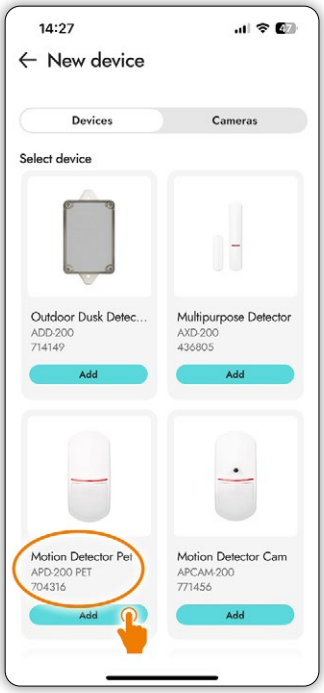
When your phone connects to the **Smart HUB** and you create your site, the app's home screen is displayed. You can now start adding devices.



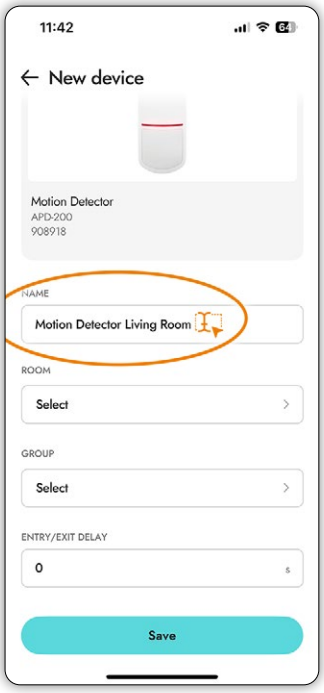
When you click on the **Add device** button...

... the **New device - Turn on device** screen will appear. Insert the battery into your device or connect it to the power supply. Click on **Next**.

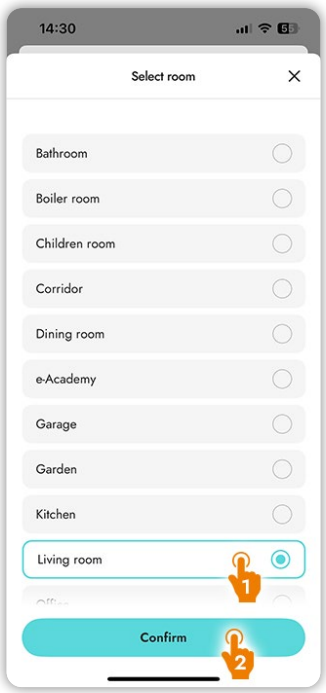
If there are several devices of a given type, they can be identified by their serial number (sn), which can be found on a sticker inside the device's enclosure or on the outside, e.g. in the case of Smart Plugs or flush-mounted devices.



Click on **Add** to start configuring the selected device.

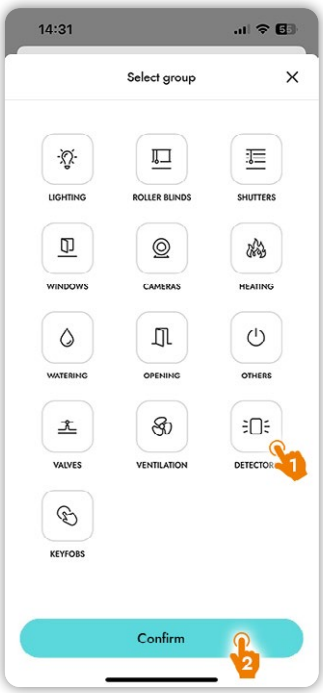


You can use 32 characters to describe your device well, which will make it easier to identify for the various functions of the system.



Assign the device to the appropriate room (1) and tap **Confirm** (2)

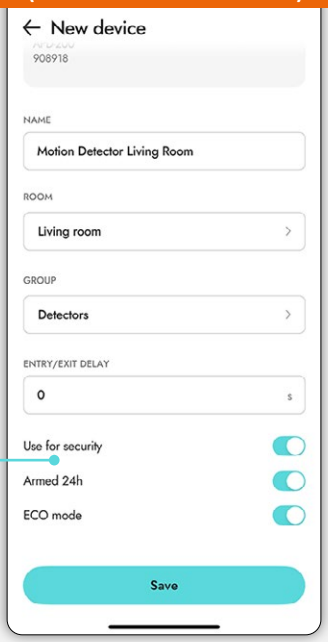
You can read more about rooms on page 31



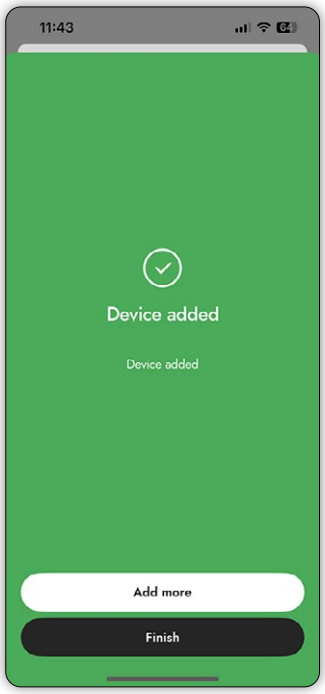
Assign the device to a device **group** (1), tap **Confirm** (2)

You can read more about rooms on page 33

Additional options
(not available on all devices)



Use for security – activate if the detector is to participate in motion detection while in the armed mode.
Armed 24 h – activate if you want the violation or tampering of a device to generate an alarm regardless of whether the protection is on or off.
ECO mode – when enabled, reduces the refresh rate of the device's status to save battery life.

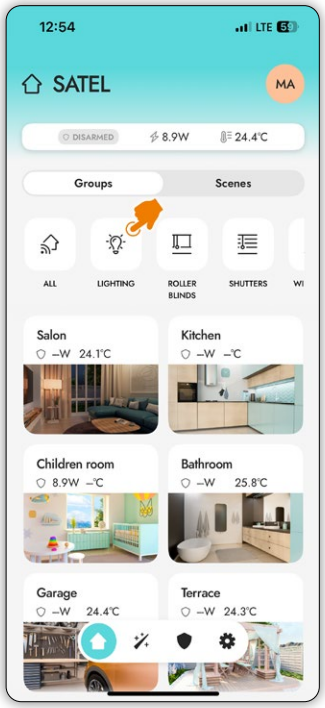


When you click **Save**, a screen will appear confirming the addition of the device. Click on **Add more** if you want to add another device straight away, or **Finish** if you do not want to add another device at this point.

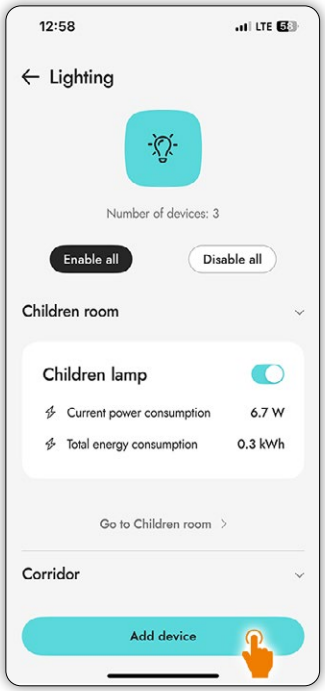
The ECO mode will reduce the device's status refresh rate, but only when the system is not armed. If the system is armed or the detector is in the 24 h mode, the violation is reported immediately. The activation of the ECO mode may result in delays in the automation's operation, e.g. when the light is automatically switched on – the detector will only report a violation when it reports to the Smart HUB, and not at the time of the violation.

You can add further devices in 3 ways:

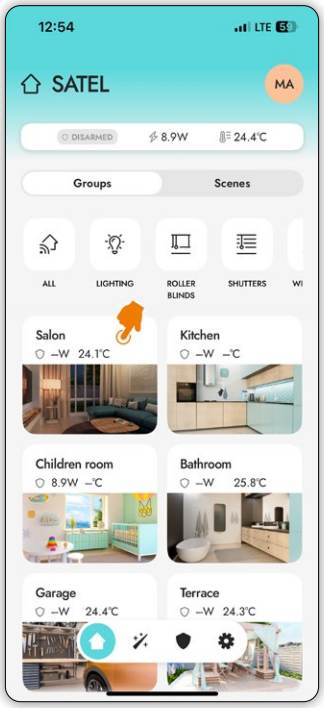
1



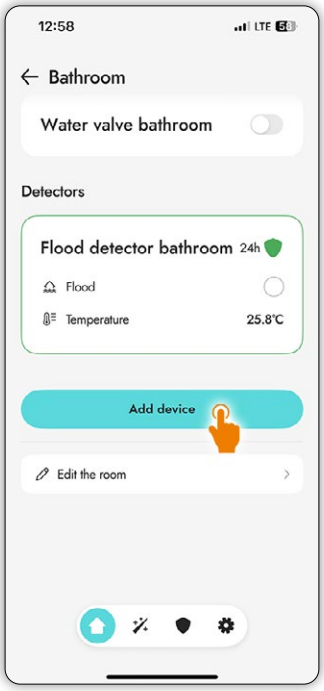
By selecting **one of the groups** on the main screen – select **Add device** at the bottom of the screen



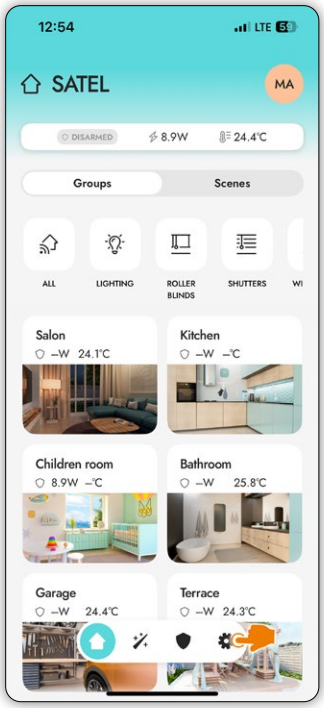
2



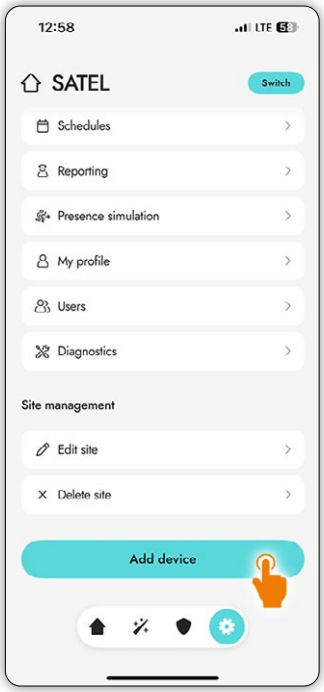
By selecting **one of the rooms** on the main screen – select **Add device** at the bottom of the screen



3

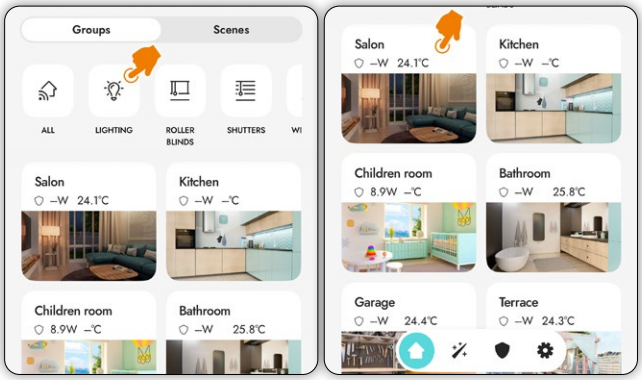


By selecting from the settings menu ("cogwheel" icon) – select **Add device** at the bottom of the screen

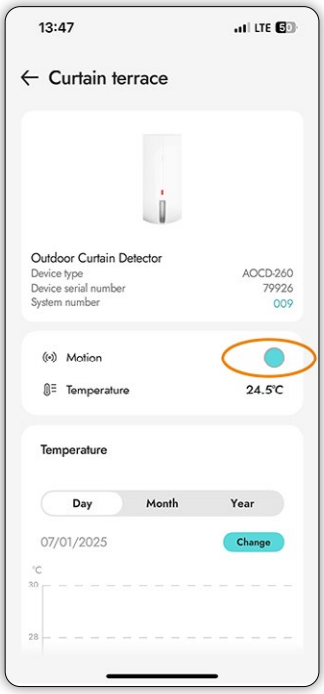


Once one of these options has been selected, the entire process of adding a device follows as previously described.

Screen of an example device:



You can display the screen of each device by clicking on the device's name and selecting the relevant **group** or **room** beforehand.

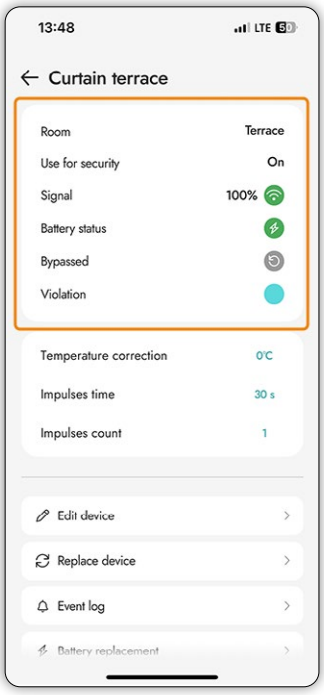


In the first section of the screen, you can see a picture of the device, its name, type, as well as serial number and system number.

Next, information about events detected by the sensor is displayed – in case of **Outdoor Curtain Detector** it will be motion

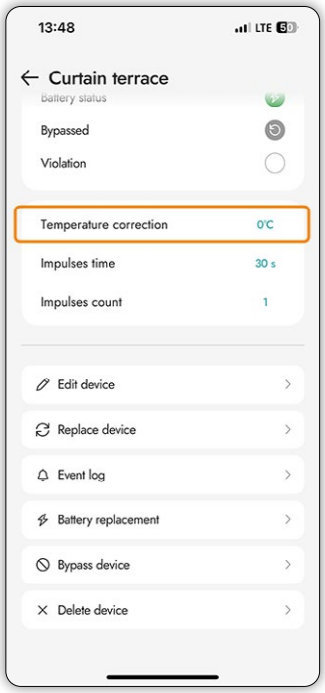
If the detector has detected a violation, the circle next to its description will be **blue**.

Below this, the temperature measurement is displayed (most devices have their own temperature sensor), as well as daily, monthly and yearly records of these measurements in a graph form – you can also download the data as a CSV file.



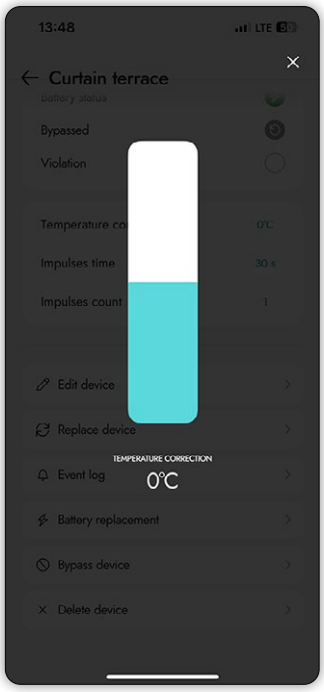
Further information on the device includes:

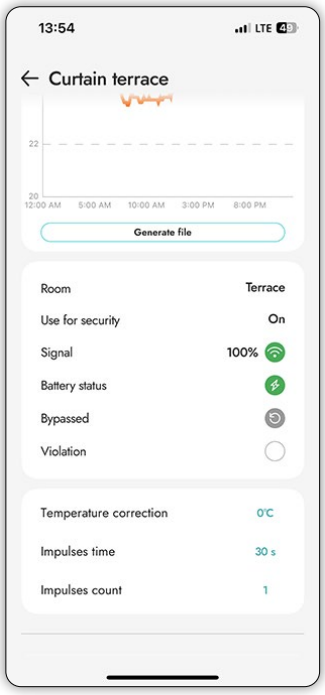
- the room in which it is located
- whether it is used for protection
- its signal strength
- the battery status
- whether the device is bypassed
- whether an event has occurred or the device has been violated (white or blue dot)



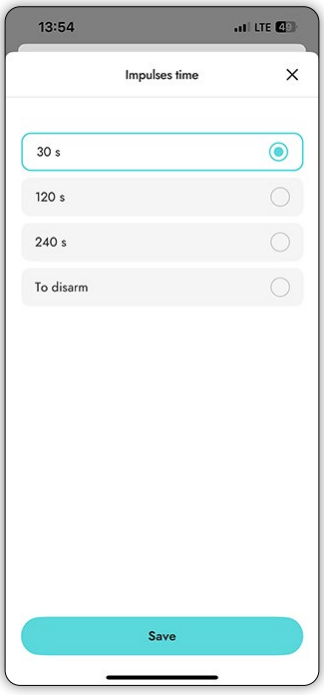
Then, if the device has a temperature sensor, the **Temperature correction** option will be available. If you want the temperature reported by the sensor to differ slightly from that actually measured, you can make a correction here.

This can be useful, for example, when the temperature sensor is installed close to a window and detects a slightly lower temperature than that actually prevailing in the room. The correction can range from -5 to +5 degrees.

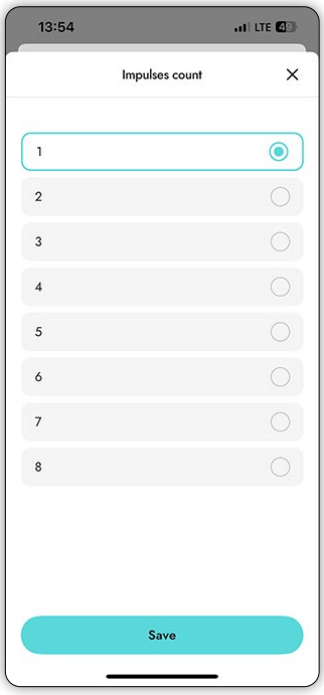




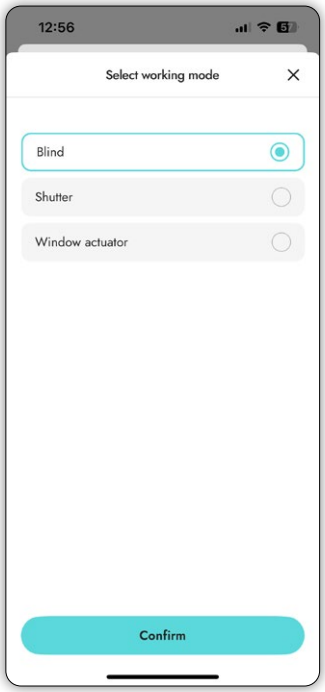
For motion detectors and opening detectors...



...you can also configure the **Impulses time**...

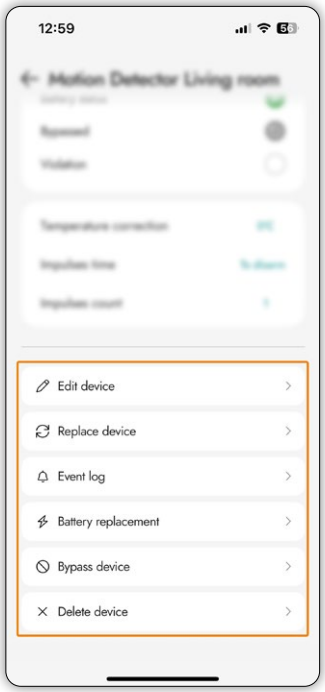


...and the **Impulses count** – i.e. after how many pulses (violations) counted in what time period, an alarm will be triggered from this detector.



For some detectors,
you can set
their mode of operation.

Smart Blinds
for example,
has **three modes**
to choose from.

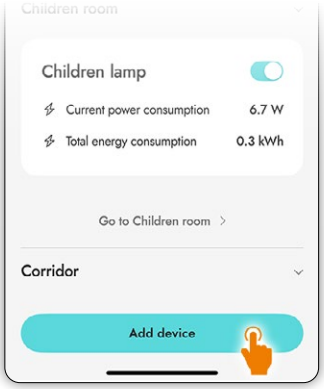


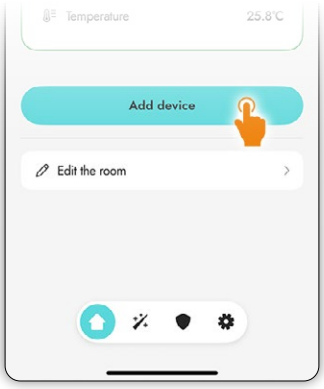
Actions you can perform here include:

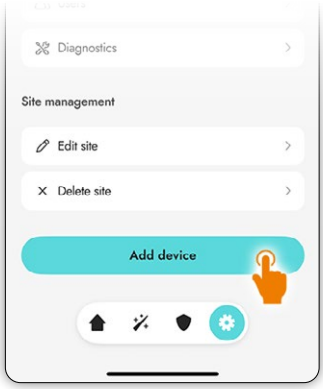
- **Edit device** (in addition to changing its name, room, group, etc., advanced configuration of the device is available here, so that you can best adapt it to your needs).
- **Replace device** – here you can replace the device with another of the same type
- **Event log** – a list of events recorded by the device
- **Battery replacement** – select this option if you want to replace the battery in the device. The device will be blocked while the battery is being replaced, and must be unblocked when the battery has been replaced
- **Bypass device** – here you can block the device if you do not want it to detect events for a while or unblock it, e.g. after a battery replacement
- **Delete device** – here you can remove a device from the system

4. Examples of various device configurations – general remarks

1. You can add a new device using one of the three methods described **Follow steps 1-3 on page 15.**







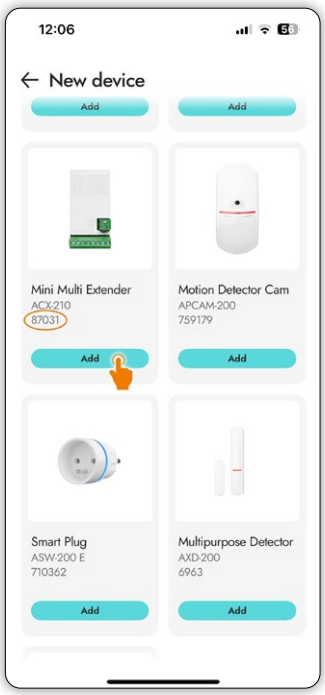
2. Check and note down the serial number.

If you have more devices of a particular type, the number is essential to select **the right device**.

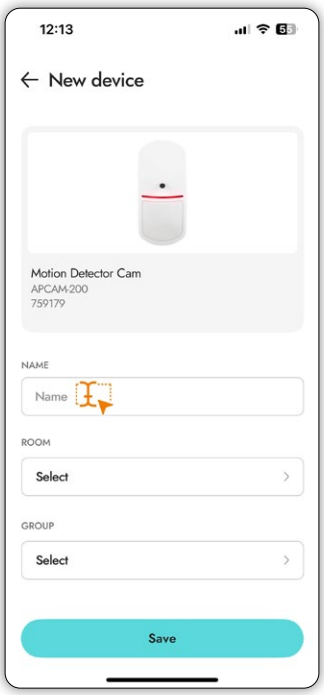
3. Depending on the device (see instructions), connect it to the power supply or insert a battery.

Click on **Next**.

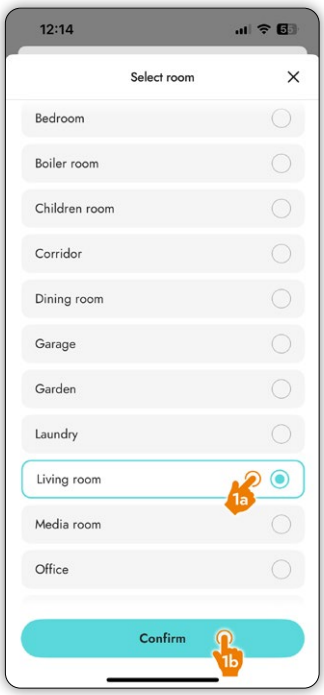
Example 1 – Motion Detector Cam



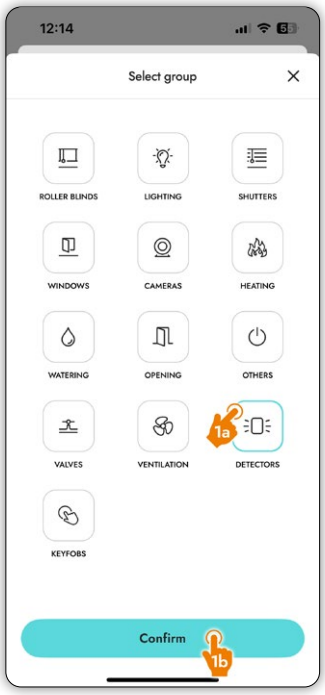
Follow steps 1-3 on page 15.
Find the right detector and click on **Add**



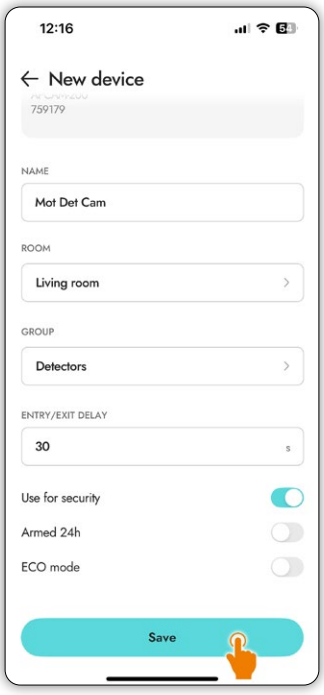
Enter the **device's name** (3 to 16 characters, letters and digits only),



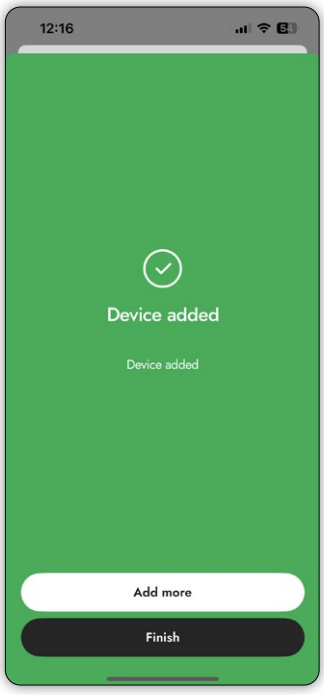
Select a **room**, in this case the **Living Room** (1a), and click on **Confirm** (1b)



Select a **group**, e.g. **DETECTORS** (1a) and click on **Confirm** (1b)...

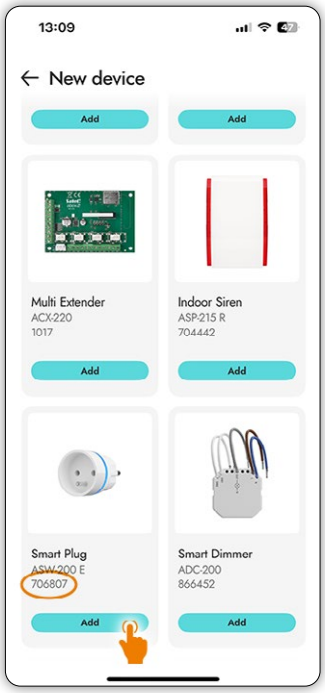


... and then on **Save**

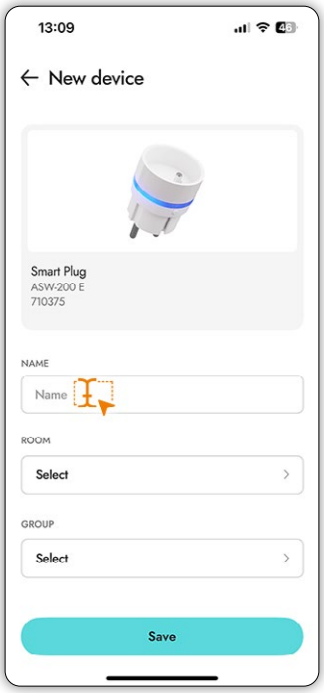


The device has been added. You can finish adding the device or add another one.

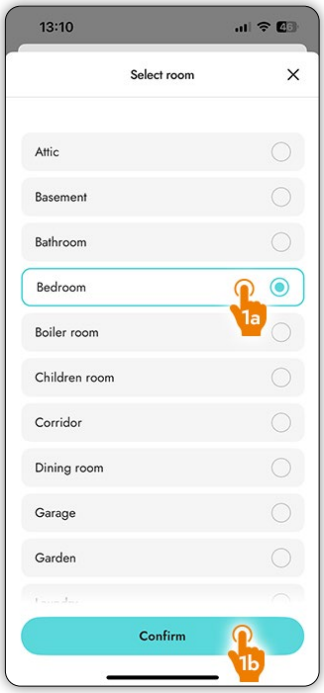
Example 2 – Smart Plug



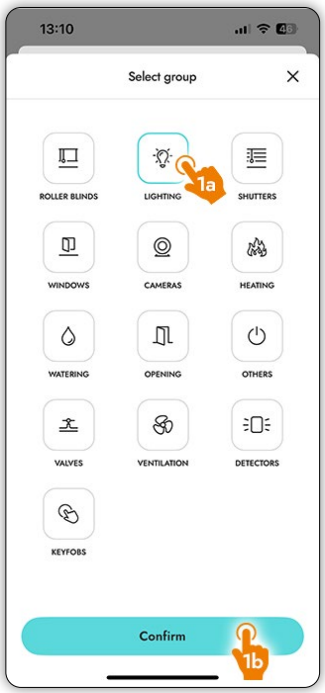
Follow steps 1-3 on page 15.
Find the right plug and click on **Add**...



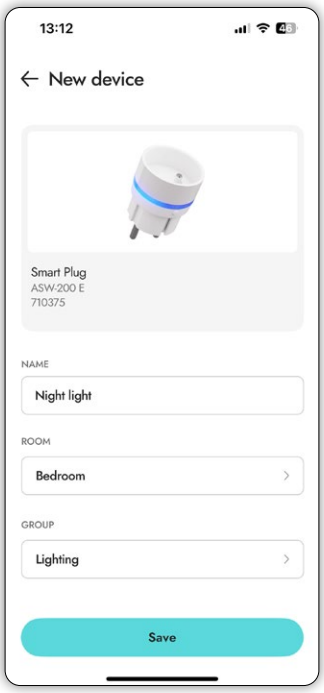
... enter the **device's name** (3 to 16 characters, letters and digits only)...



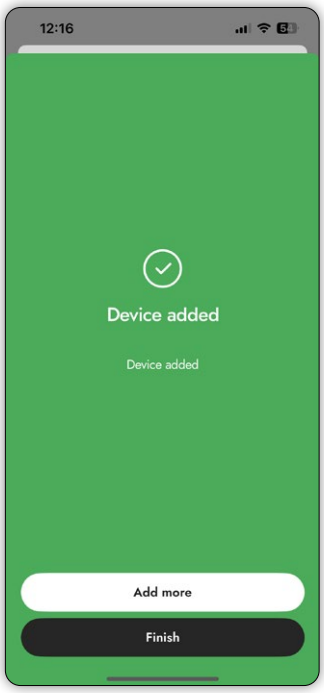
... then select a **room**, in this case the **Bedroom** (1a) and click on **Confirm** (1b).



Select a **group**, e.g. **LIGHTING** (1a) and click on **Confirm** (1b)...

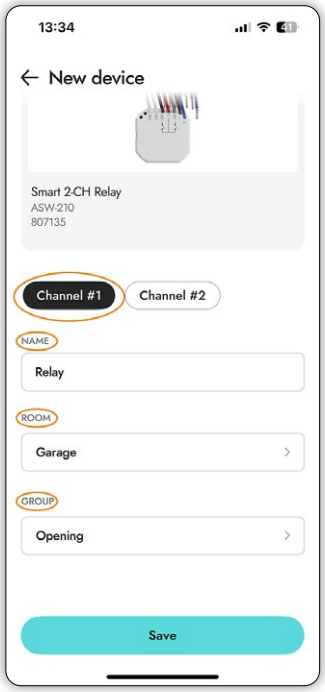


... and then on **Save**.

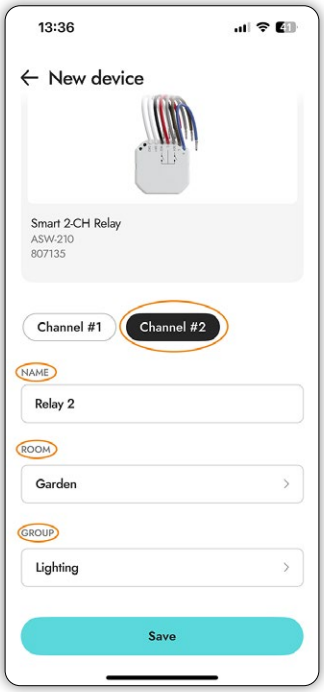


The device has been added. You can finish adding the device or add another one.

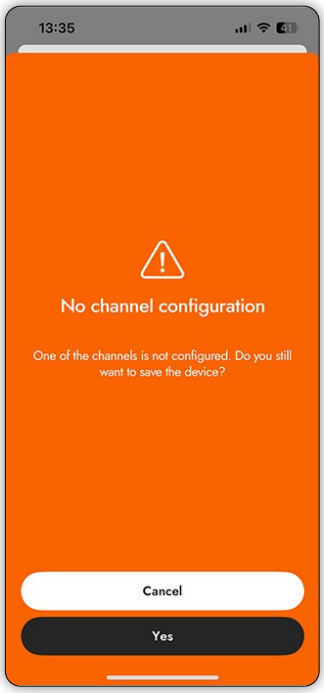
Example 3 – Smart 2-CH Relay



Follow steps 1-3 on page 15.
The module has **2 channels**, allowing two devices to be controlled independently. Enter the **device's name**, select the **room** and **group** (depending on what the module is to control).

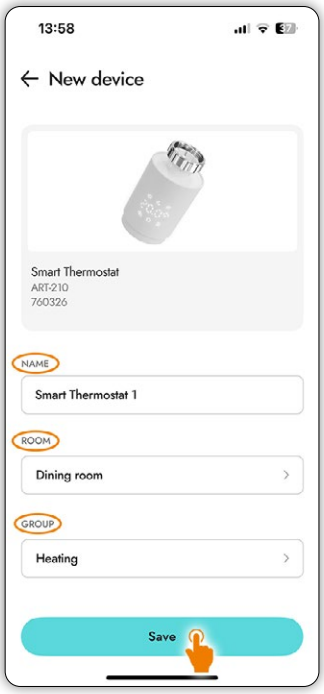


Using the **Smart 2-CH Relay**, you can control, for example, the operation of the entrance gate as well as the lighting in the garden.

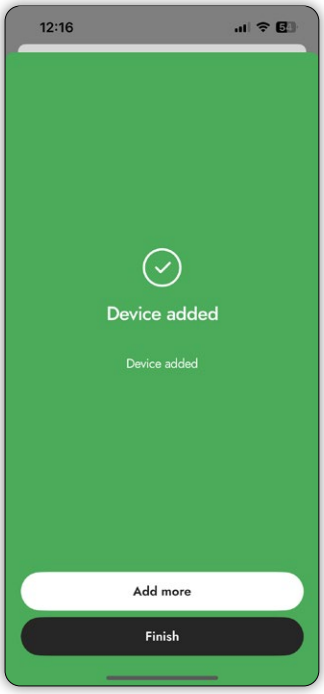


The channels need to be configured separately; you can configure just one of them, in which case the system will display information as above. You can configure the other channel at any time.

Example 4 – Smart Thermostat

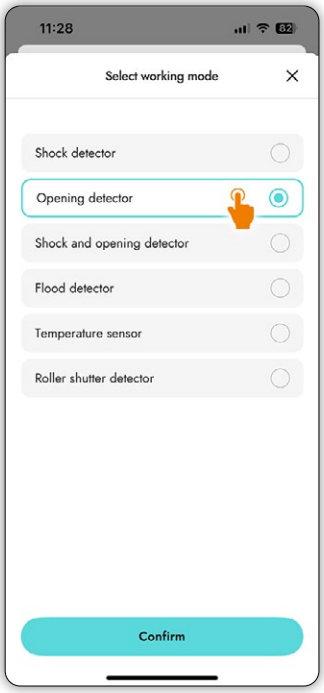


Follow steps 1-3 on page 15.
Enter the **device's name**, select the **room** and **group** (**Heating**). When all settings are ready, click on **Save**.

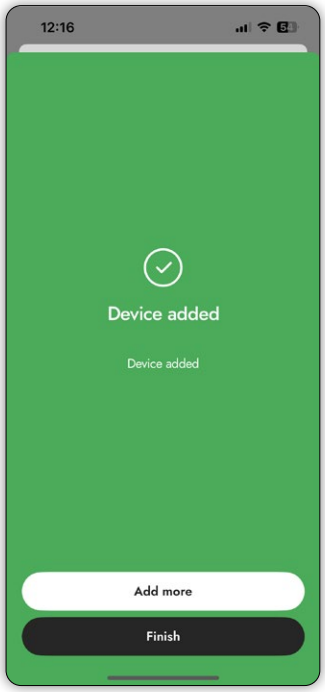


A green "Device added" screen will appear.

Example 5 – Multipurpose Detector

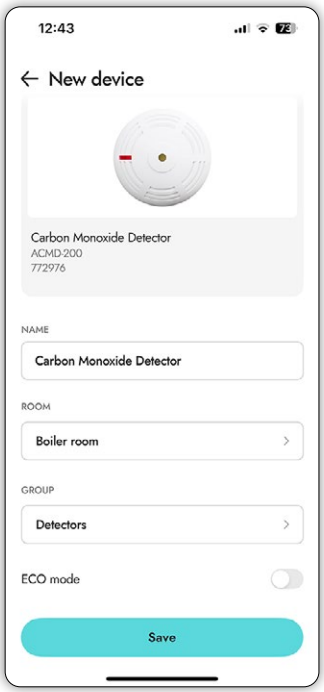


Follow steps 1-3 on page 15.
When adding the **Multipurpose Detector**, you will also specify **one of the six modes** in which you want the detector to operate.

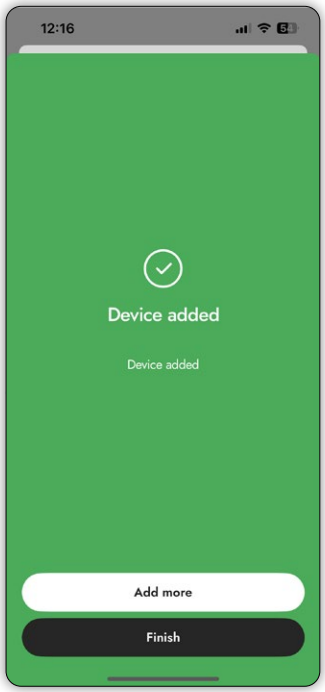


When all settings are ready, click on **Save**. The green "Device added" screen will be displayed, and the detector will appear in the selected room, together with the designated mode of operation.

Example 6 – Carbon Monoxide Detector

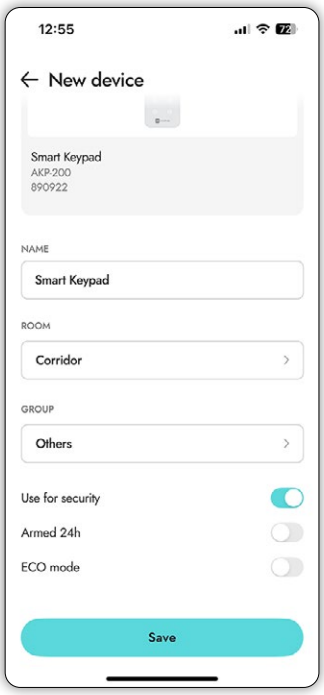


Follow steps 1-3 on page 15.
Enter the **device's name**, select the **room** and **group** (**Detectors**).

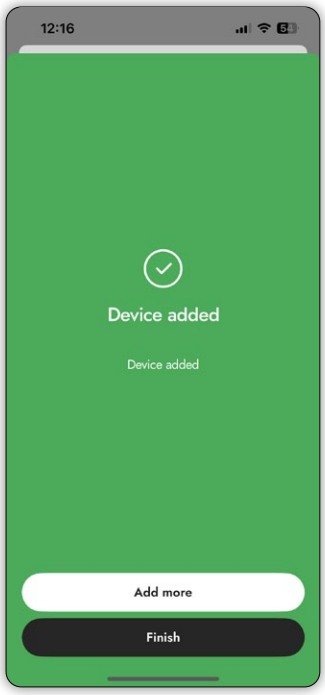


When all settings are ready, click on **Save**. The green "Device added" screen will appear.

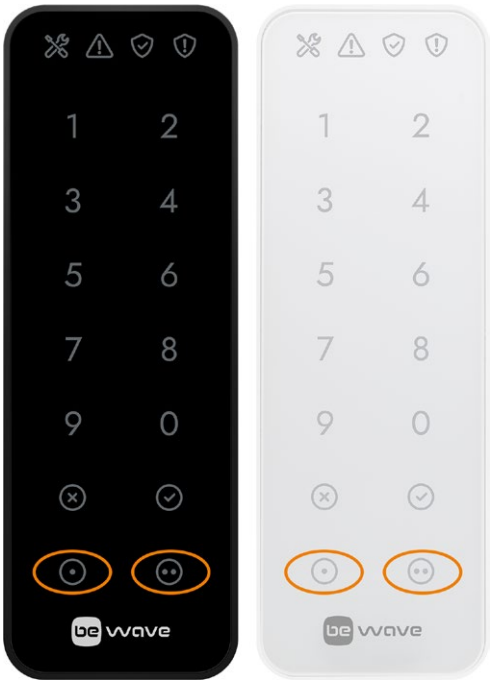
Example 7 – Smart Keypad



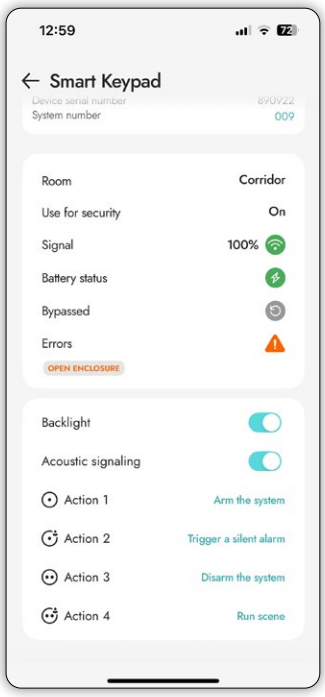
Follow steps 1-3 on page 15.
Enter the **device's name**, select the **room** and **group** (**Others**).



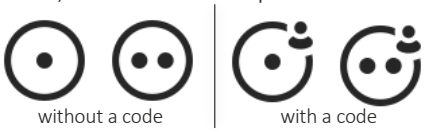
When all settings are ready, click on Save.
The green "Device added" screen will appear.
Now you can program the function keys.

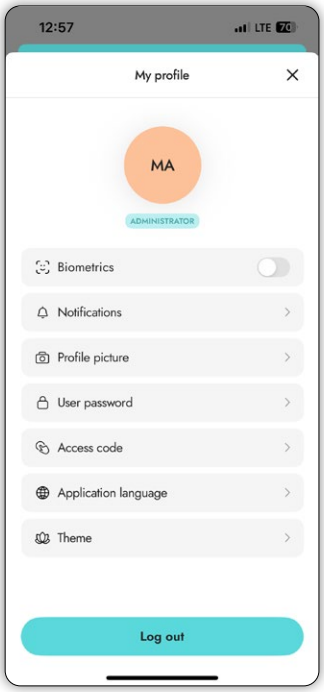


There are two function keys on the keypad for running four actions in total.

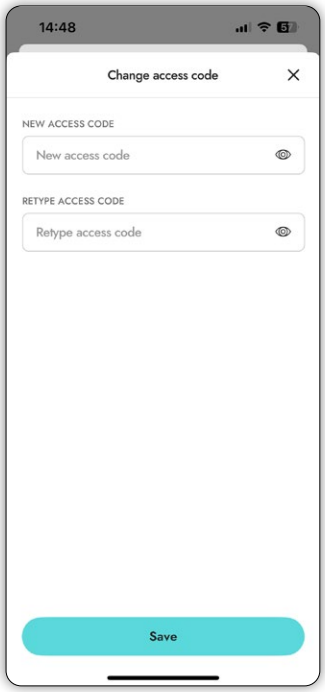


You can run two of them without providing an individual user code, while two will require authentication.

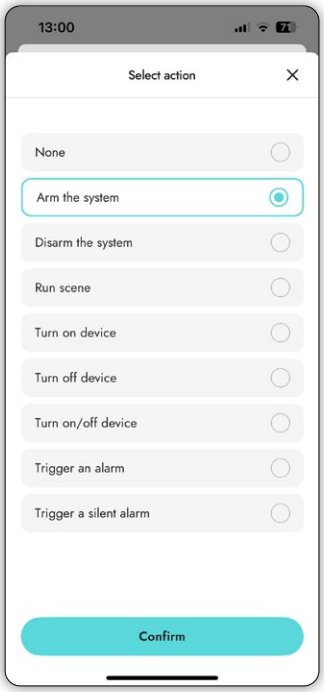




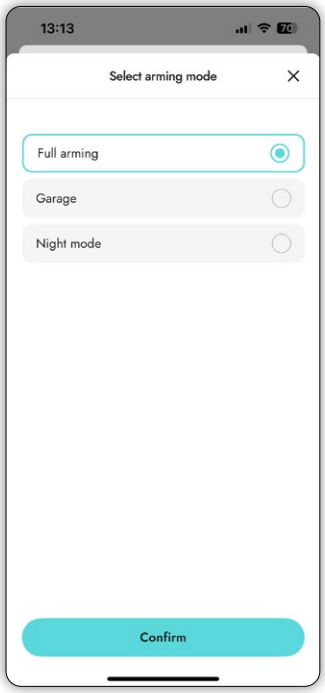
The access code for the keypad is set in the My Profile section after entering the Access Code option.



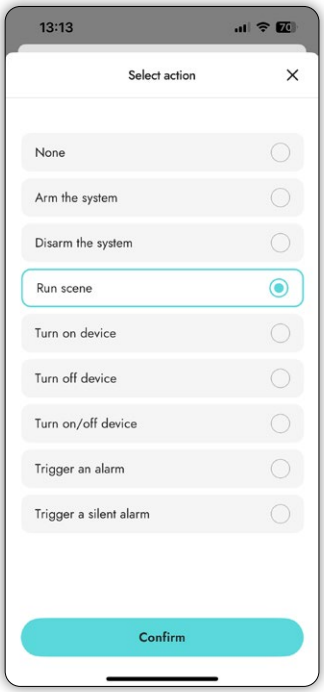
If you are a user, you can set an access code for yourself, while an administrator can set access codes for all users, including those who do not have a profile in the app, such as children who only use the keypad.



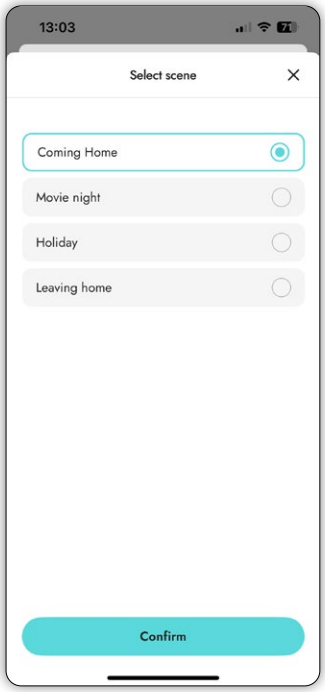
The actions can include: arming or disarming the system, running a scene, turning a device on or off, triggering an alarm.



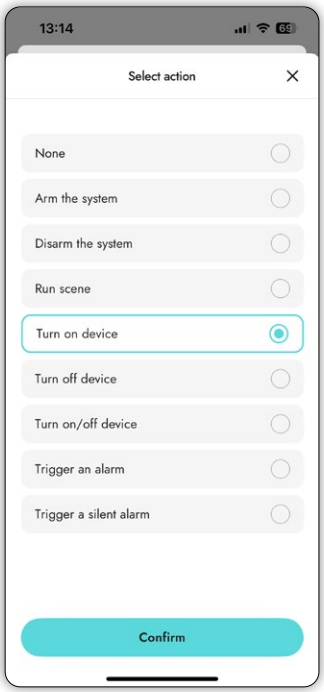
If you have chosen to enable or disable the security system, now specify which protection mode you want the action to apply to.



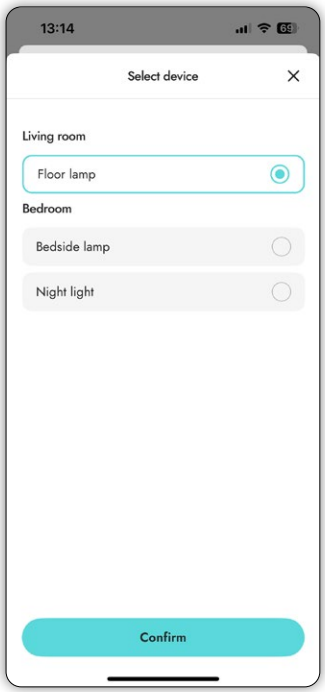
If you have selected the run a scene action...



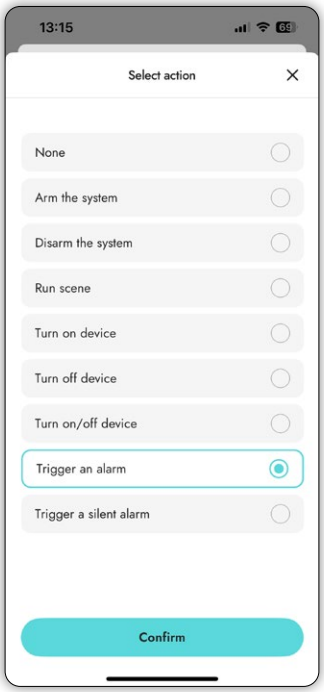
... now specify which scene you want to run.



If you have selected the **Turn on device** action...

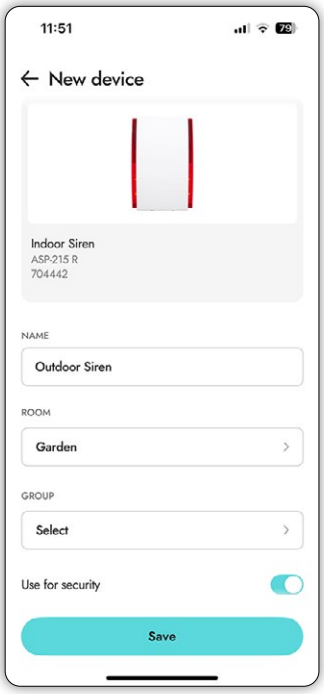


... now specify which device the action should apply to.

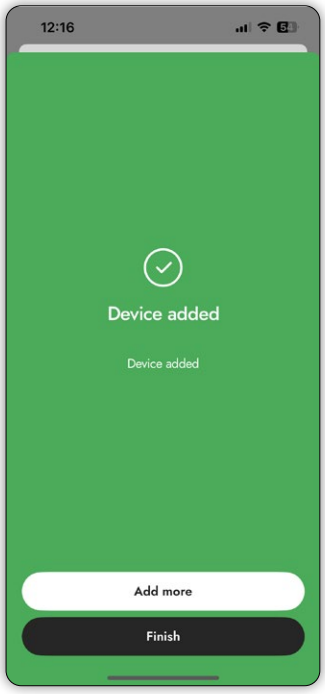


You can select if you want the system to trigger a loud alarm or a silent alarm...

Example 8 – Outdoor Siren



Follow steps 1-3 on page 15.
Enter the **device's name**, select the **room** and **group**.

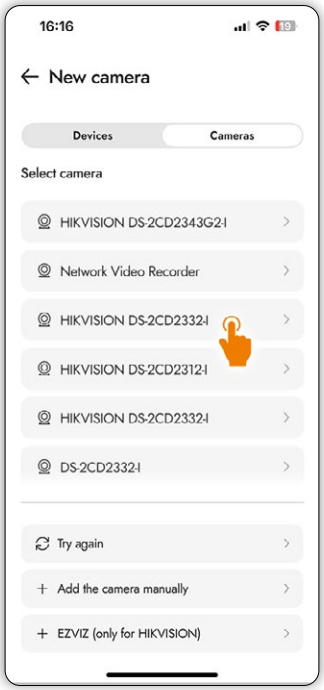


When all settings are ready, click on **Save**. The green "Device added" screen will appear.

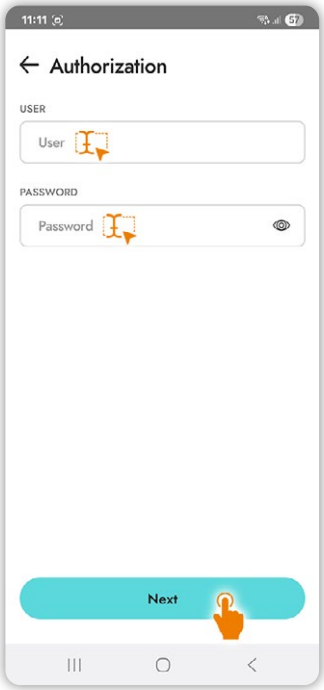
Example 9 – Adding a Camera

A camera is added to the system similarly to other devices – **Follow steps 1-3 on page 15.**

Select **Add Device**, then **Next**, and select **Cameras** on the next screen.

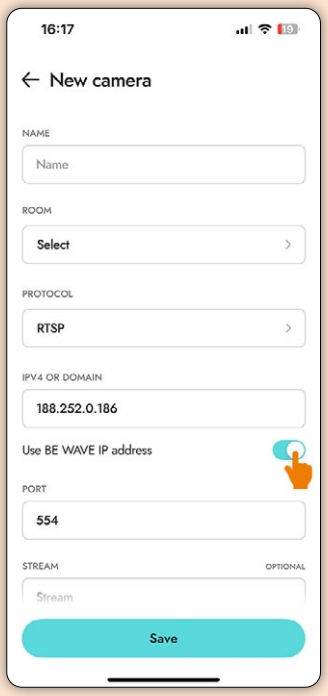


The system will find an **available camera** if it is on the same network as the BE WAVE system. Select the available camera.....

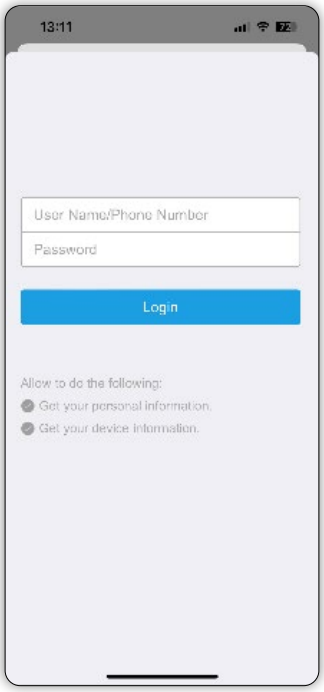


... and enter your device login details, then click on **Next**. The camera will be added to the system.

You can also add a camera manually by selecting
+ Add camera manually

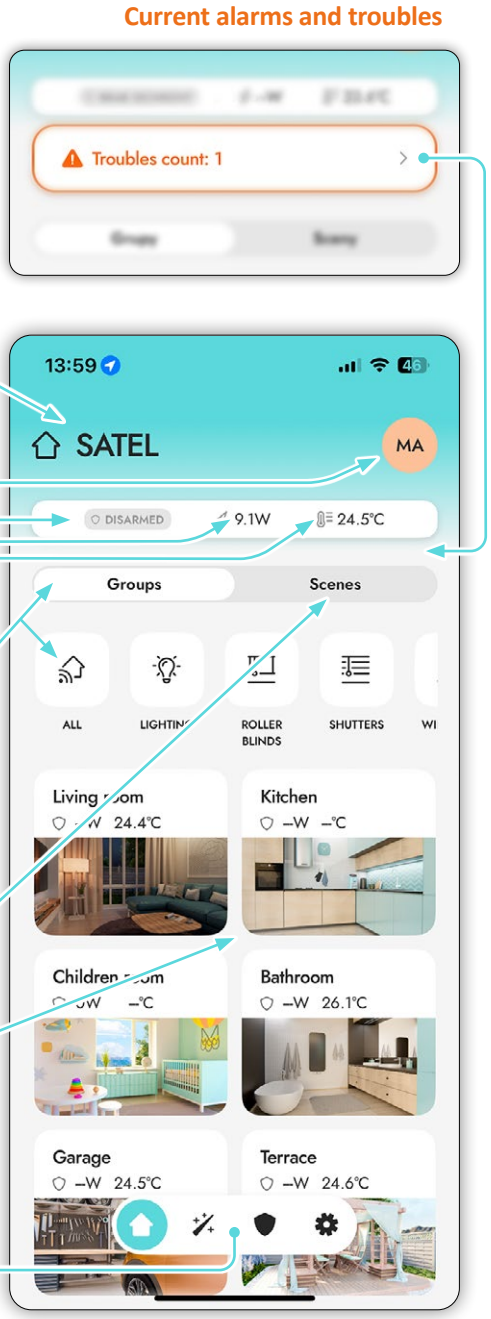


While away from home, you can have access to the camera image.
In this case, the camera must have the same external IP address as BE WAVE. To do so, tick the option **Use BE WAVE address**. You can also purchase an external IP address for the camera to access it remotely. Remember that your internet modem may require additional configuration.



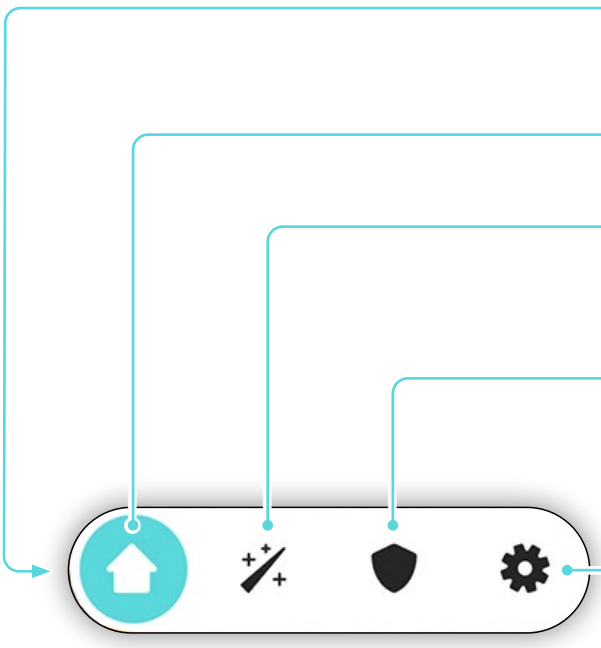
If you have a HIKVISION camera,
you can add it via the EZVIZ website.
Click on the + EZVIZ button (only for HIKVISION)
and log in to your website account to add a camera.

5. Main screen



The main screen shows:

1. **Site name** – by clicking on it you can select another facility or add a new one
2. **My profile** – by clicking on it you go to your profile settings
3. **Protection status** – tells you whether it is currently on or off and whether it is operating in the partial or full mode
4. **Current total energy consumption** of the actuators connected to the system.
5. **Temperature from the main temperature sensor**
   Temperature from the main temperature sensor (you can select it by entering the settings (cogwheel) – facility management – edit facility – main temperature sensor – select from available devices (more about the selection of the main temperature sensor, see chapter, see page 49)
6. **Device groups**
7. **Configured scenes** with the possibility of running
8. **All rooms** (with direct access to the settings by clicking on the photo of the selected room)



The menu bar containing the following buttons:

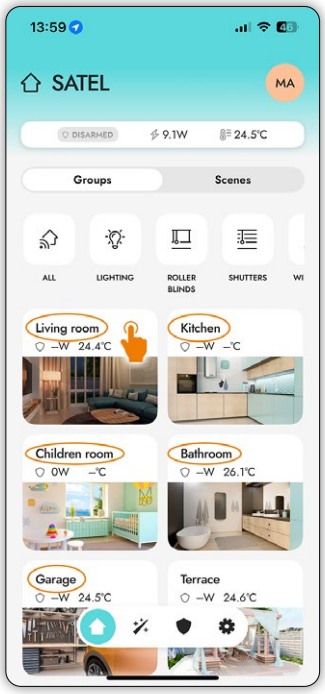
main screen (house icon)

automation (magic wand icon) – preset scenes (see page 34) and routines as well as the possibility to create them (see page 38)

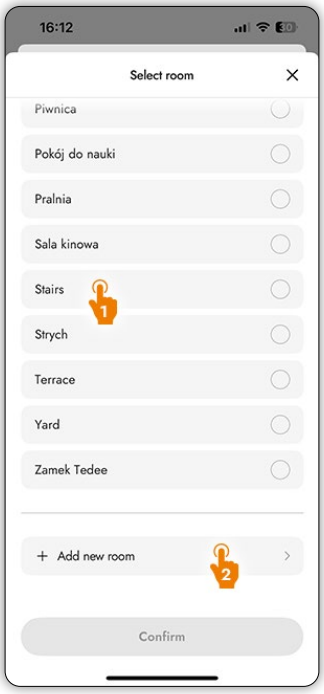
alarm system (shield icon) – protection modes, event log, management of protection modes, possibility of adding a new one (see page 46)

settings (cogwheel icon – see page 49)

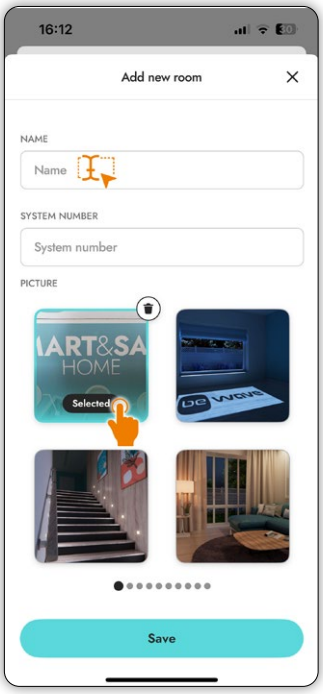
6. Rooms



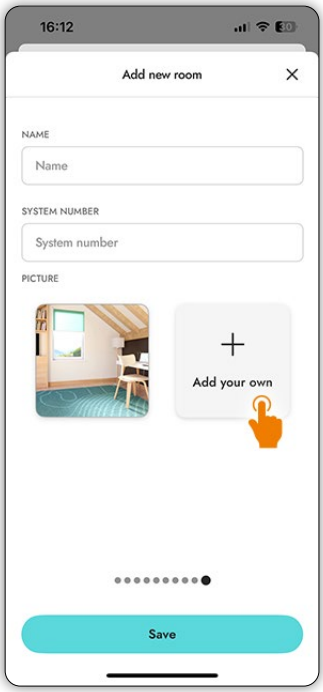
The rooms in your facility will be visible on the main screen.



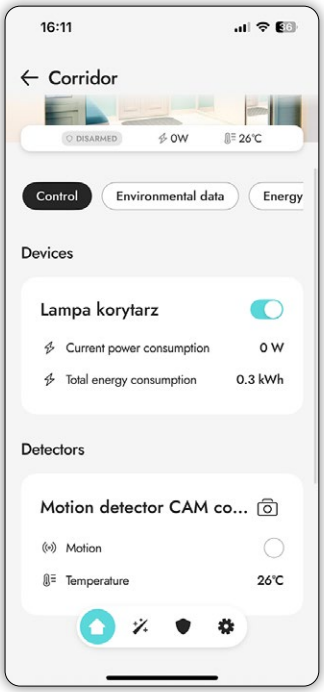
When adding a new device to the system (chapter 3), you can use the proposed list to select the **room** (1) in which it is to be placed. You can also create your own room by clicking **Add new room** (2).



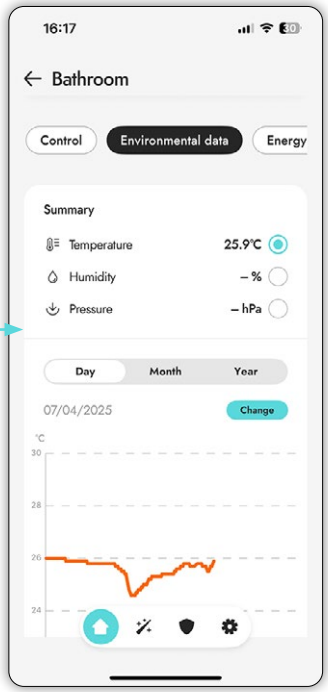
Enter a **name** for the room and **add its photo**. You can select one of the photos available in the app...



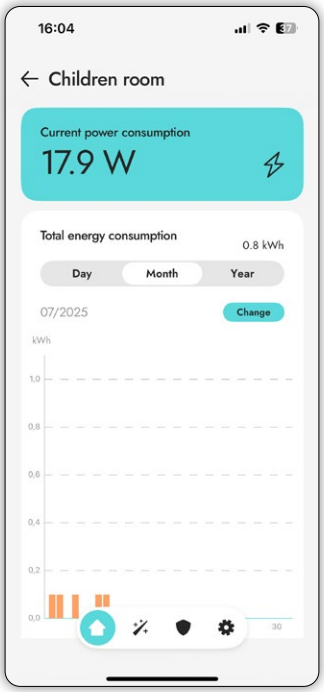
...or add your new room using the **Add your own** option at the end of the list of photos. Adding your own photo (JPG, PNG, max. 5 MB) will require you to grant the app access to your phone's photo library. In the app. You can have a total of 50 rooms for a given facility.



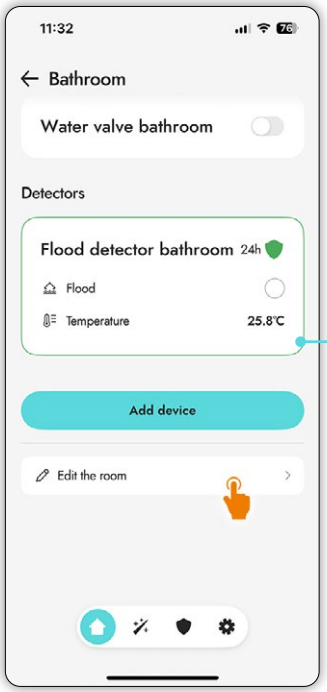
By clicking on a room's photo on the main screen, you will enter a panel with the room's information, where you can see all the devices found in it (**control** tab).



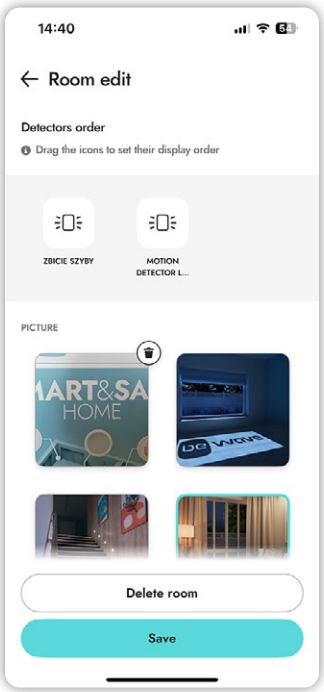
Depending on the type of devices added, it will be possible to see: **environmental data** such as temperature, humidity and pressure...



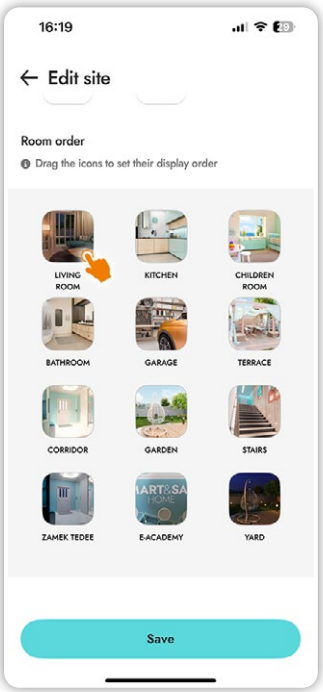
...as well as the **power consumption** of the devices connected to the system in the room. You can also read the data from a graph (after selecting the relevant parameter) in a daily, monthly or annual format.



By clicking on the **Edit the room** option...



... you can change its **name**, **the order in which devices are displayed**, **change** the **photo** assigned to it or **delete the room** from the app (deleting a room also removes the devices assigned to it).

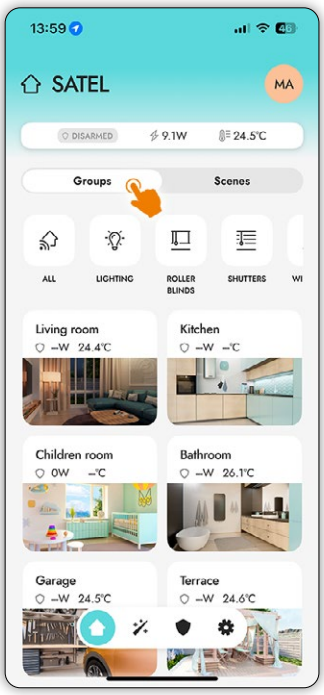


You can change the order in which the rooms are displayed on the main screen as follows:

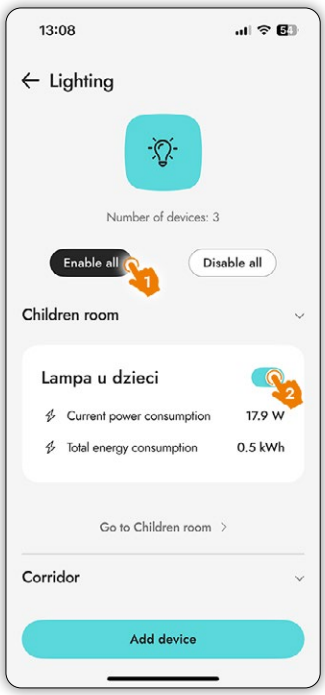
- Enter Settings in the menu bar on the main screen (cogwheel)
- In the Facility Management menu, select **Edit site**.
- Tap and hold the selected icon. Move it to the desired location.

7. Groups

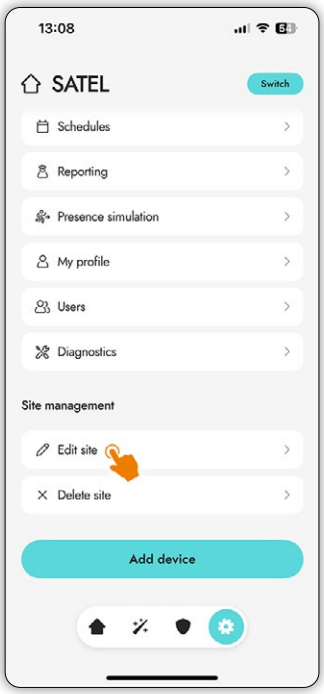
In the app, you can assign the devices in the system to different groups, depending on the functions they perform.



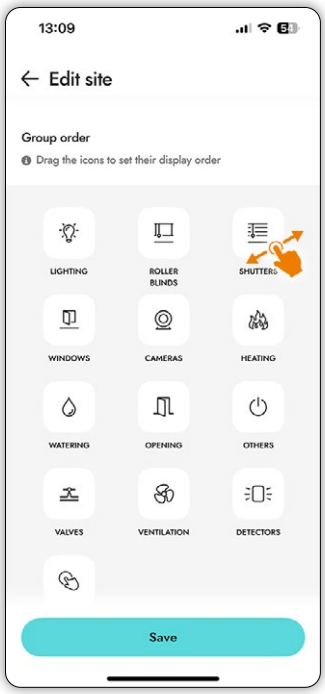
In this way, within each **group**, you can manage all devices controlling, for example, lighting, roller blinds, cameras, heating, etc.



Using a single button, you can, for example, enable or disable all the lights in the house (1). You can also switch only some of them on or off – by selecting them on the screen (2).



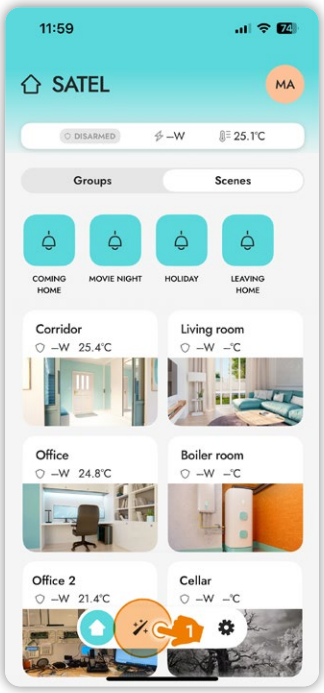
You can change the order in which the groups are displayed on the main screen as follows:
Enter **Settings** in the menu bar on the main screen (cogwheel)
In the **Site management** menu, select **Edit site**.



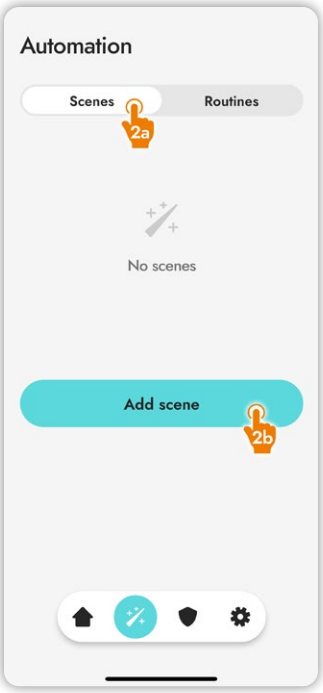
Tap and hold the selected icon. Move it to the desired location.

8. Scenes

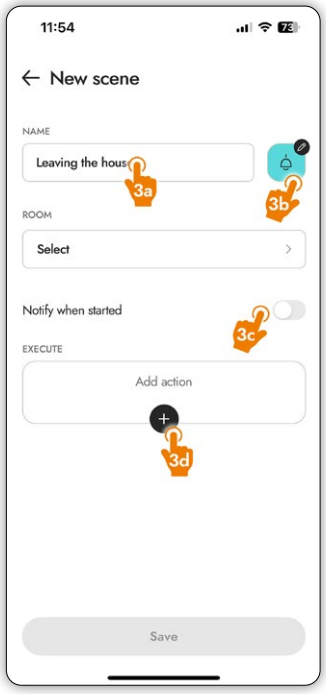
Using scenes, you can create customised sets of commands to suit your needs. The system will execute them when you select the appropriate button in the app. You determine what exactly should happen when you trigger the selected scene. With a single button, you can, for example, activate/deactivate the security system and activate either selected or all devices within the system (e.g. lighting, heating, blinds or air conditioning). You can create up to 100 scenes and routines. We will show how to configure this function using the **Leaving the House** scene as an example.



On the main screen,
select the **magic wand** icon (1).



Select **Scenes** (2a)
and click on **Add Scene** (2b).



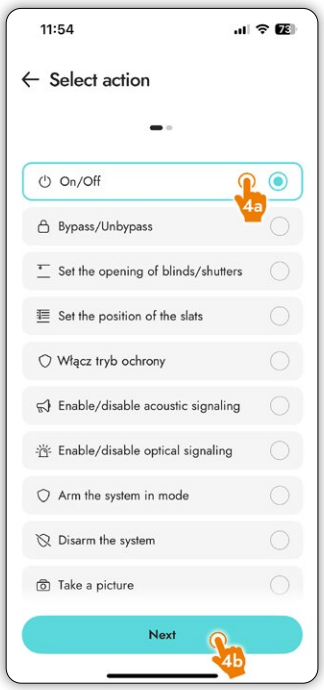
Give it the name **Leaving the house** (3a).
For easier identification later on, select an **icon** to represent it (3b).

This scene involves more than one **room**,
so you do not assign it to any one of them.

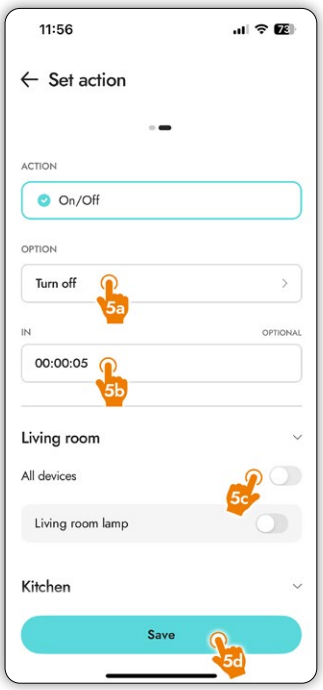
If the scene involves a single room,
then select it from the list.

The **Notify when started** option (3c) means that app users with the appropriate authorisations will be notified when the app starts (push notification).

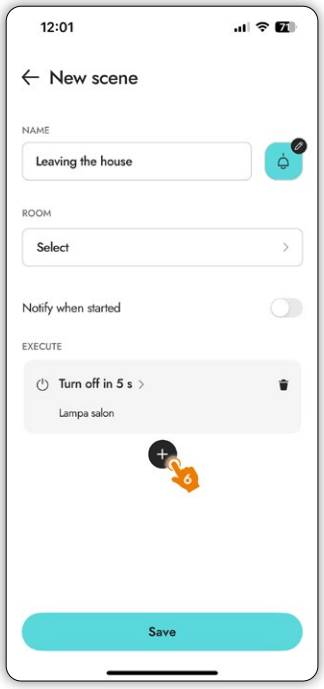
Using the **plus sign** (3d)...



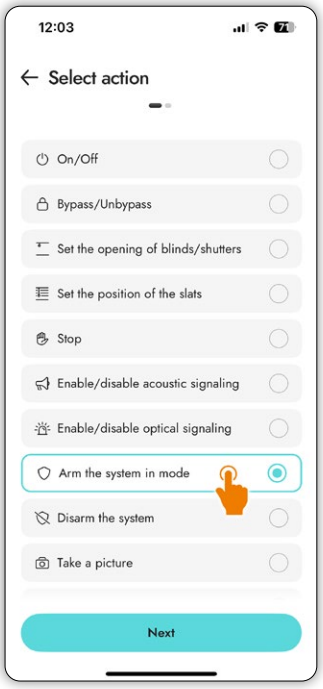
... you can display a list of the actions available in your system. What actions are to be available in your app depends on the devices connected to your system. For example, if it is Smart Blinds, there will be an option in the list to "set the opening of roller blinds/shutter blinds". With the Smart Thermostat, the action "switch heating to ECO mode" etc. will be available. If you want all the lights and selected electrical devices to be switched off in this scene, select the **On/Off** action (4a) and click on **Next** (4b).



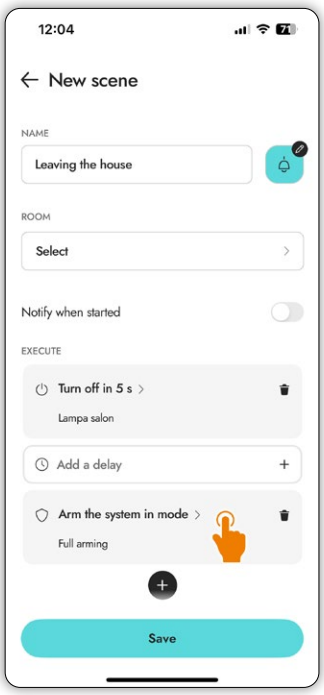
In **Options**, – you have a choice of three (**Turn off, Turn on, Switch**) – select **Turn off** (5a). Here you can set the time (5b) for the selected action to take place. This will allow you to calmly get ready to leave the house. Then select all or some of the lights and electrical appliances to be switched off in your absence (5c) and click on **Save** (5d).



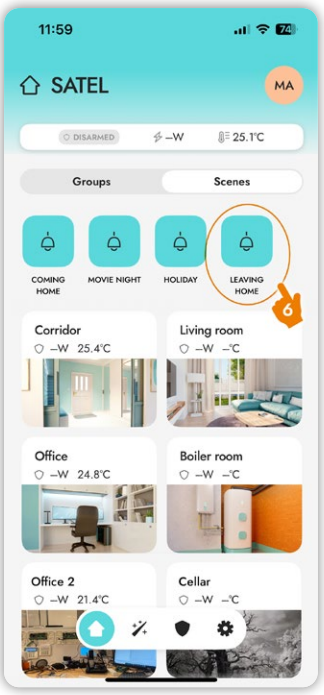
After saving the first action using the plus sign (6), you can add another one.



Finally, add the **Arm the system in mode** for the house and property.

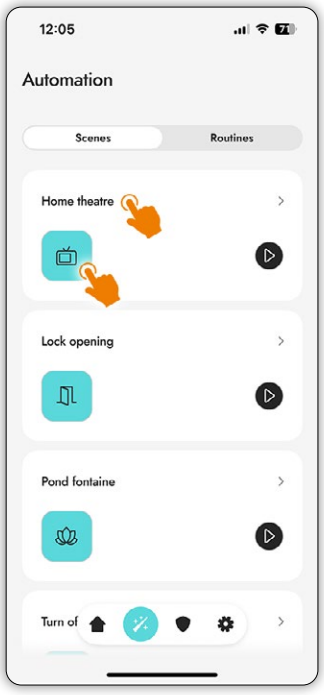


It is a good idea to set a delay for this last action in relation to the previous ones, so that they have time to finish before the security system is activated (maximum time is 59 m 59 s).

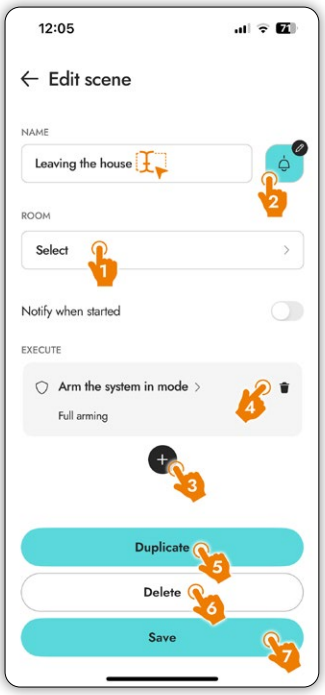


You can launch all configured scenes from the application's main screen (6).

Scene editing:



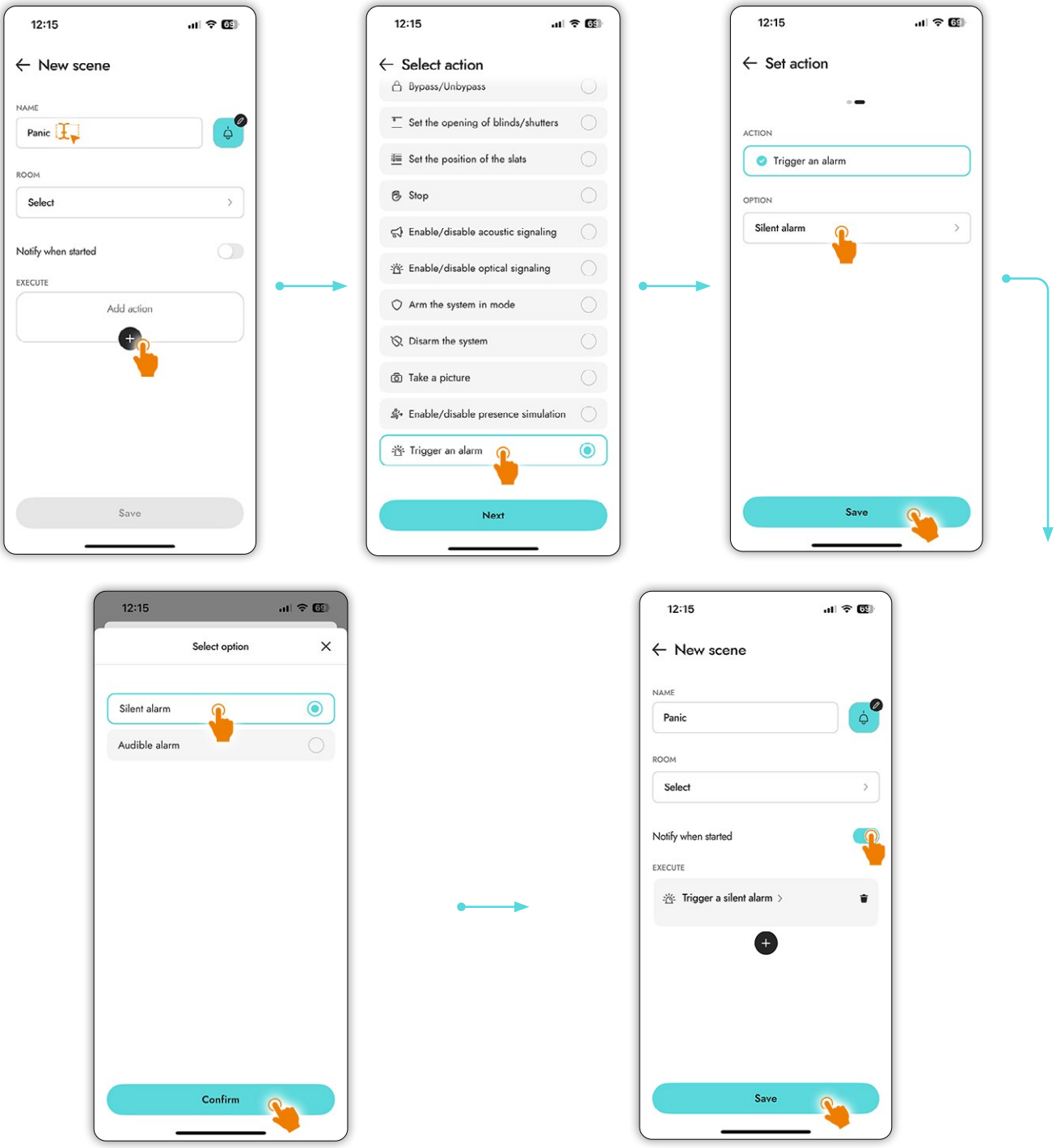
Enter the list of created scenes in the **Automation** section (magic wand icon). Click on the scene name or its icon to edit the **scene**.

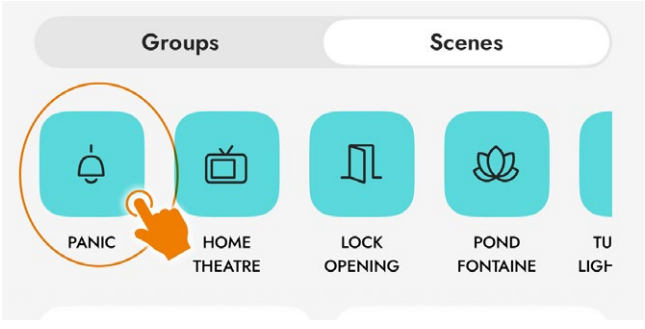


You can change its **name**, **room** (1) or **icon** (2) and **add** (3) or **remove actions** (4) to be performed within this scene. You can also **duplicate** (5) or **delete** an entire scene (6). Once the changes have been made, click on **Save** (7).

SCENE FOR SECURITY

You can create a scene that launches a silent or loud **panic alarm, triggered by a single button** on the app.





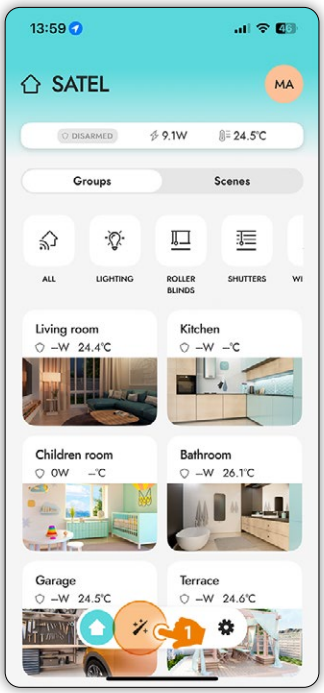
You'll also be able to trigger it by pressing a button on your key fob, keypad or Smart Button device.

9. Routines

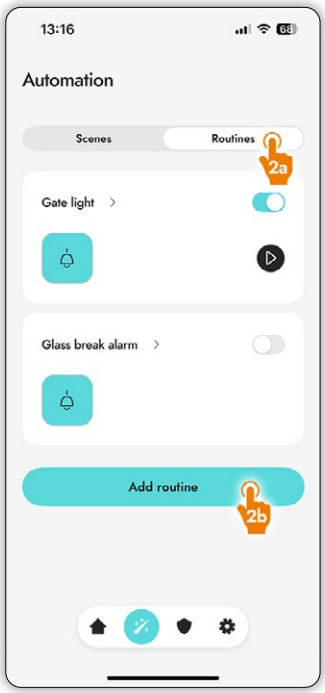
Routines run automatically without your participation. This may occur due to the operation of devices in the system, such as **Motion Detector** or **Flood Detector**, according to a set schedule or when certain conditions are met (e.g. presence of household members, dusk, humidity level, gate opening, etc.).

Configuring a routine:

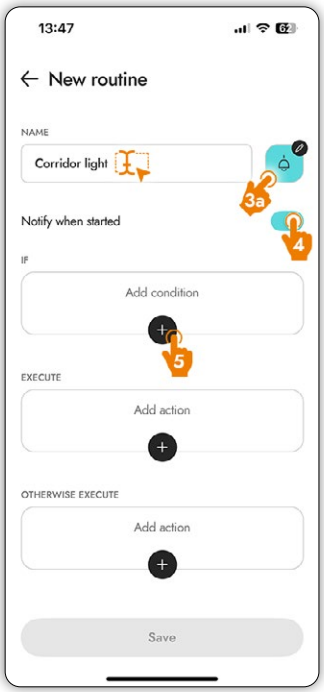
Example: switching on corridor lights temporarily in response to detected movement after sunset. Below you can see how to create a routine step by step.



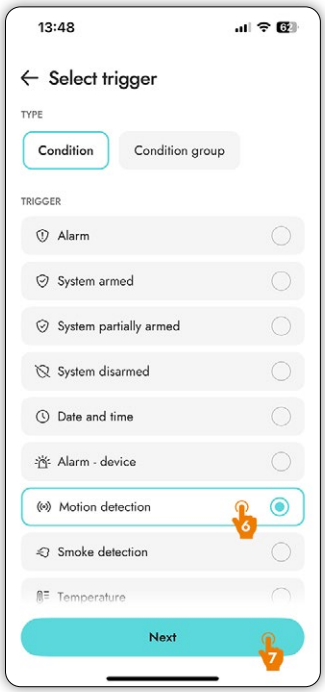
On the main screen, click on the **magic wand** icon (1)



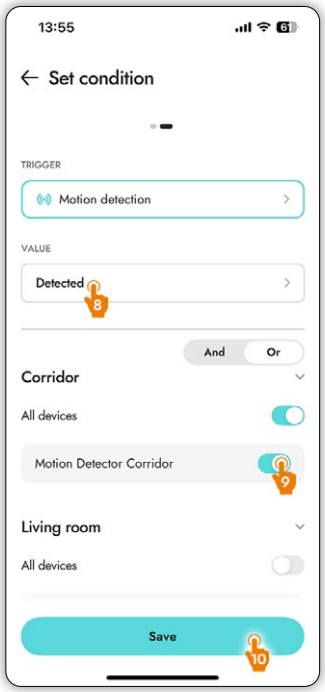
On the top bar, select **Routines** (2a) and click on the **Add routine** button (2b).



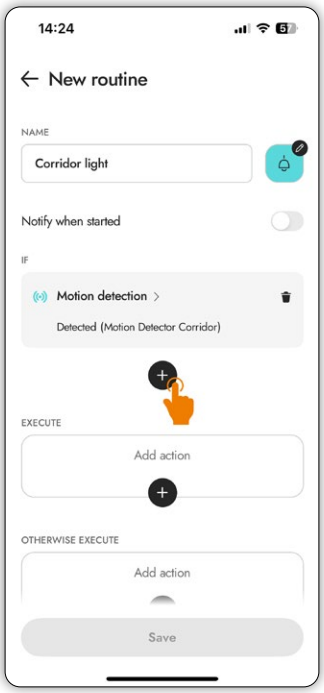
Enter a name for the routine and select an **icon** to represent it (3a). Select whether you want the system to notify you when a routine is launched via a push notification (4). Then, in the **If** field, click on + (5)...



... and enter the first condition needed to launch the routine. Select the trigger – in this case **Motion detection** (6) and click on **Next** (7). **Important!** To detect motion immediately, the ECO function in the detector must be switched off.

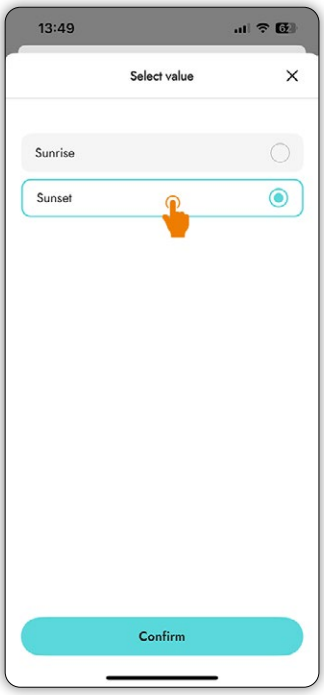


Then set the **Detected** condition (8). Now specify the device to which the condition applies. Select **Motion Detector** in the **Corridor** (9) and **Save** (10).

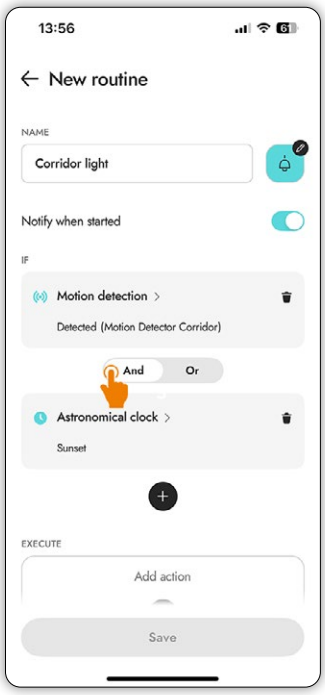


Then click again on **+** in the **If** field...

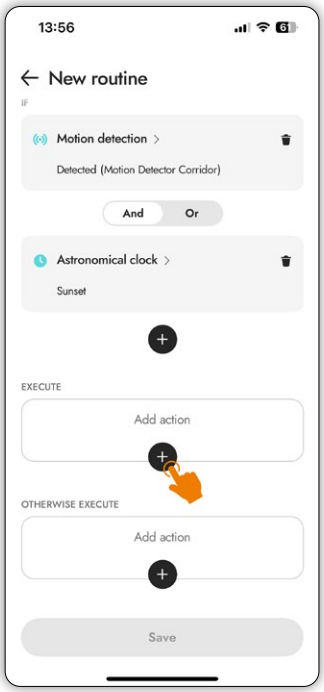
... and add a second condition. Select **Astronomical Clock**...



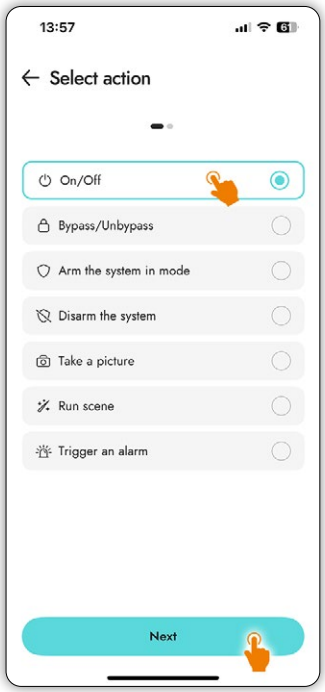
... and then the **Sunset** condition.



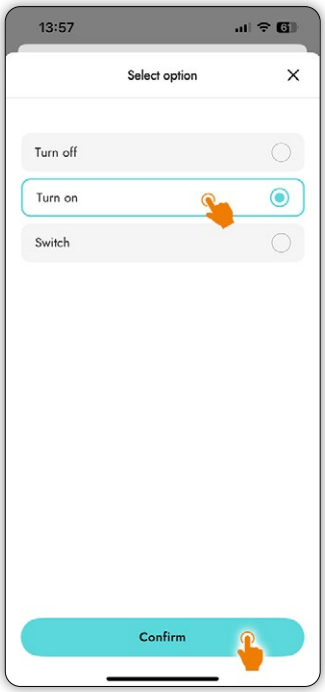
If the routine is to start when both conditions are met, select **And**, and if only one condition is needed, select **Or**.



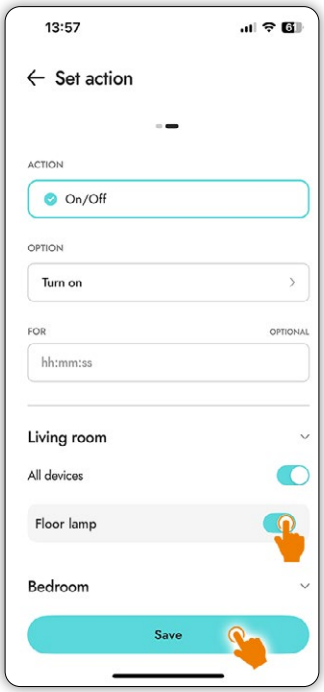
In the **Execute** field, select **+** ...



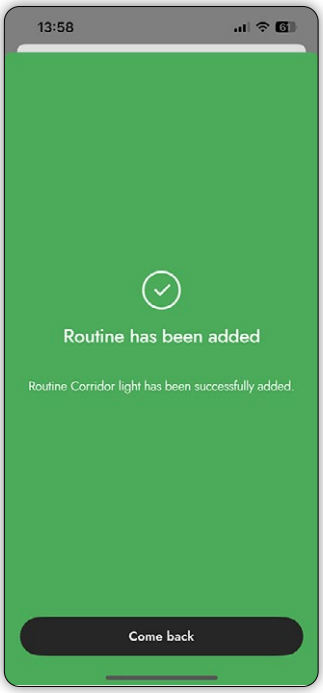
...and **On/Off** action and click **Next**.



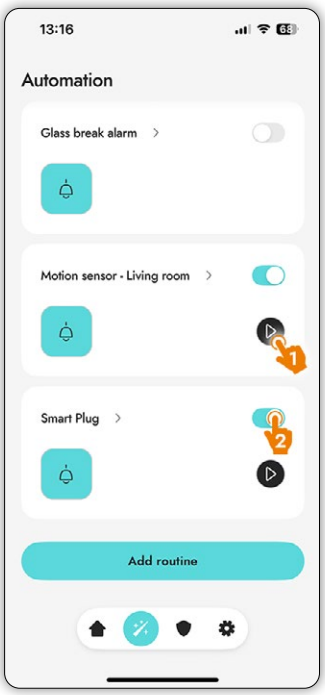
Select **Turn on** and **Confirm**



Now **select the device** that is to turn on the light. **Save**.

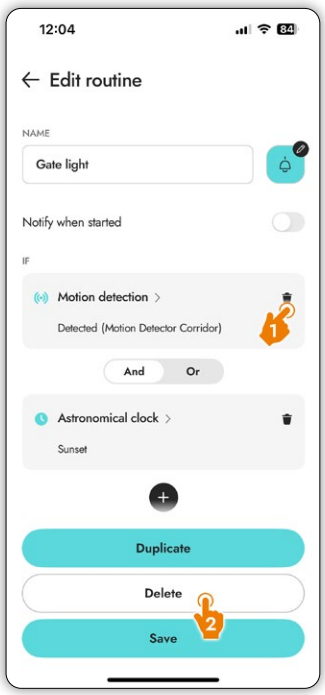


Once the routine has been saved, the message **Routine** (**name**) **has been added** will appear.



To test a routine,
click on the **play button** (1).

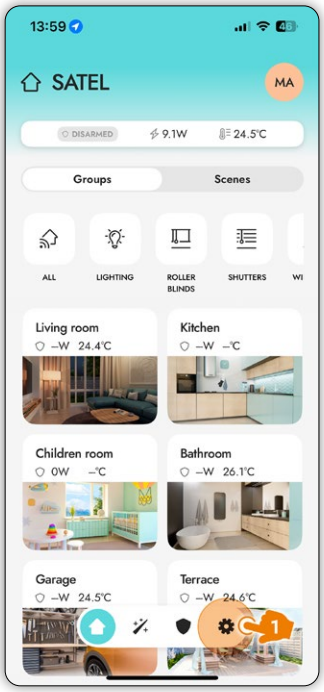
You can deactivate a routine by clicking on the **switch** (2).
To edit a routine, click on its name
or its identification icon.



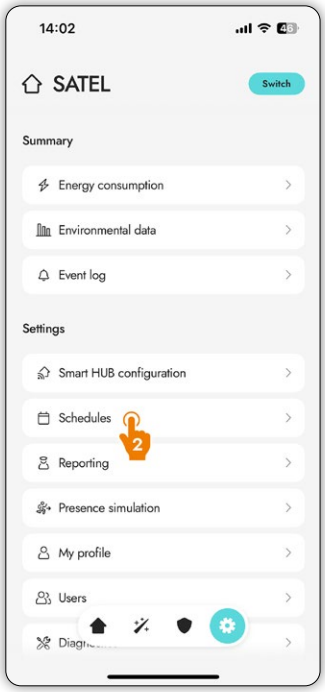
You can delete individual conditions and actions
by clicking on the **recycle bin icon** (1).
To delete a routine, click on **Delete** (2).

10. Schedules

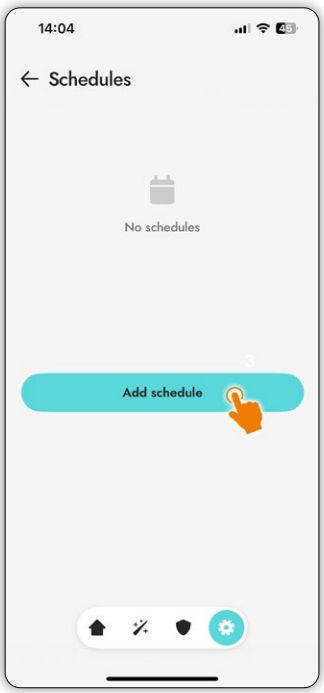
Schedules can be part of a routine, but you can also use them to develop independent actions, assigned to specific functions and devices. Since a schedule is a user-defined time frame for system tasks, you can use it to set, for example, specific days and times for the operation of the heating system (controlled by the **Smart Thermostat**), the switching on and off of lights inside your house and on the property (using the **Smart Plug**, **Smart 2-CH Relay**), or the closing and opening of blinds (for which the **Smart Blinds** controller is responsible). You can create up to 50 different schedules, and the same schedule can be applied to many different devices.



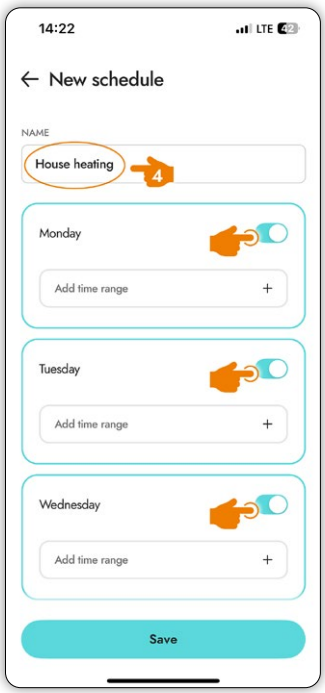
On the main screen, enter **Settings** (cogwheel) in the bottom menu bar (1).



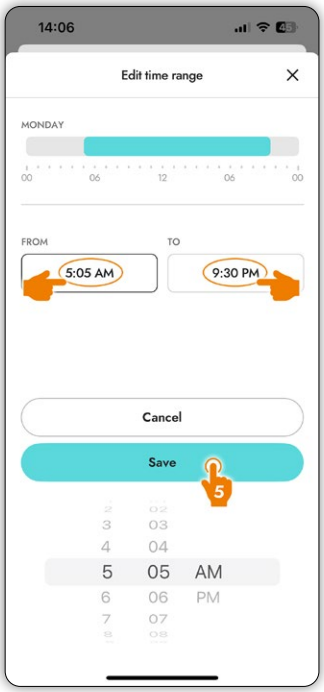
Select **Schedules** (2).



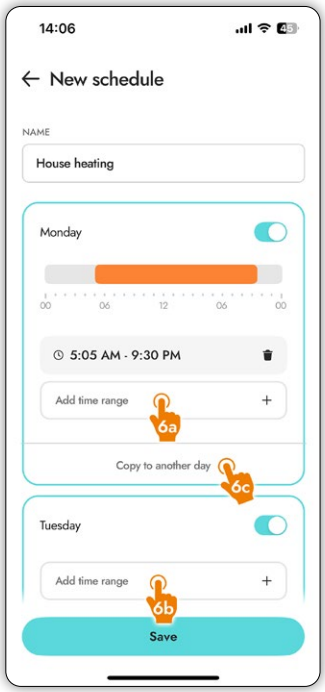
Click on the **Add schedule** button (3).



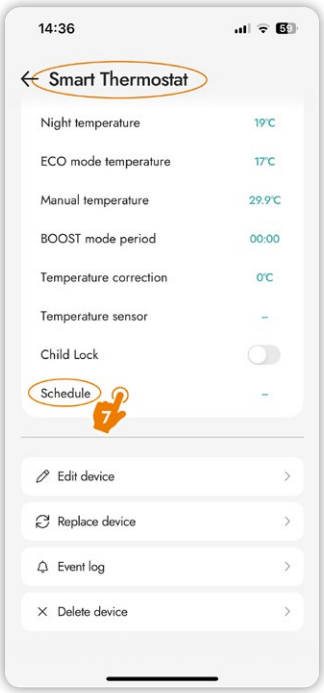
Enter a **name** for the schedule (4). Select the days on which you want it to be executed..



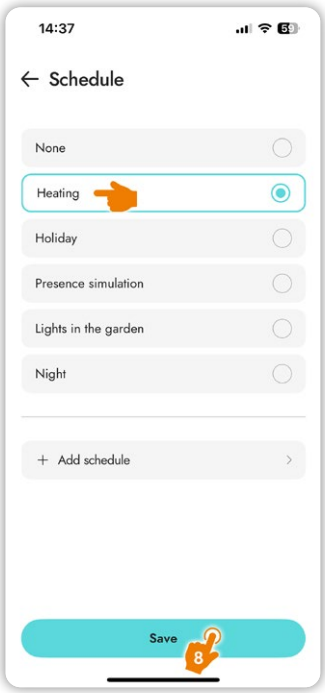
Then set the **time range** for the execution and click on **Save** (5).



Add **another time range** for this day (6a), **another time range for subsequent days** (6b) or **copy the existing time range to another day** (6c) – select this option, select the days to which you want to copy and click on **Copy**. The app will ask you whether to copy the settings – press Copy. Then click on **Save**. The schedule has been added.



Then find the appropriate device (in this case the **Smart Thermostat**), click on its name to enter the settings, and enter the **Schedule** (7)...

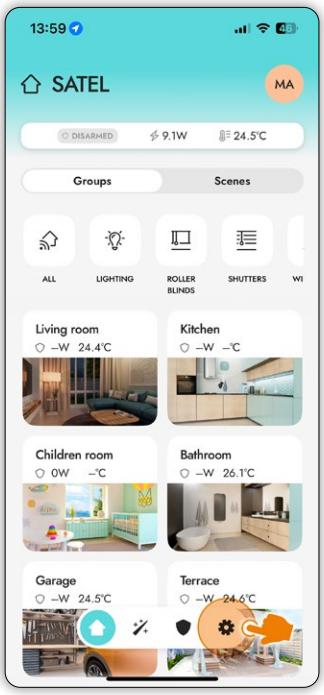


... select the appropriate schedule and **Save** (8). You can edit or delete the created Schedule anytime in the settings.

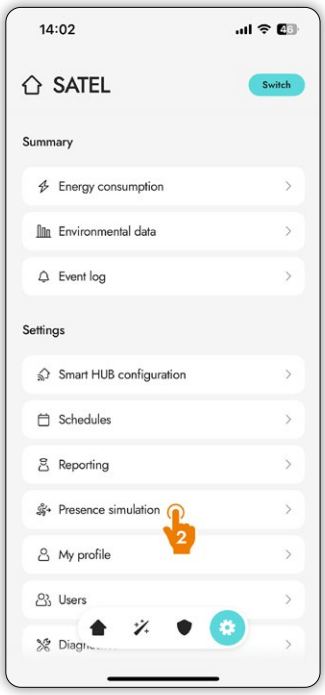
11. Presence simulation

Using the presence simulation function, the system will mimic the presence of household members by randomly, temporarily switching on or off selected devices (e.g. lights, roller blinds, TV). The solution will be useful in situations when you are away for a longer period of time and want to additionally secure your home against burglary.

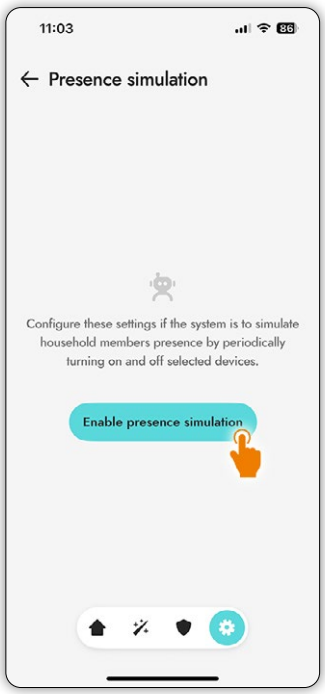
How to set presence simulation?



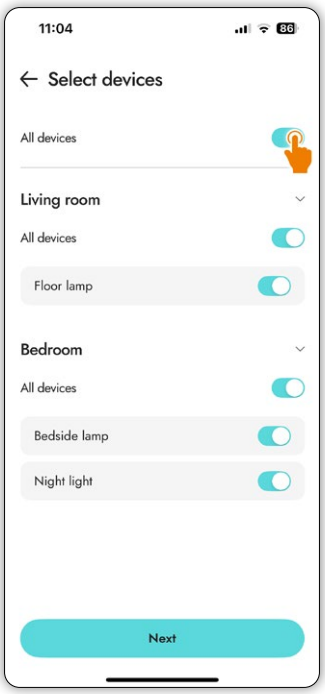
From the main screen go to **Settings** (cogwheel).



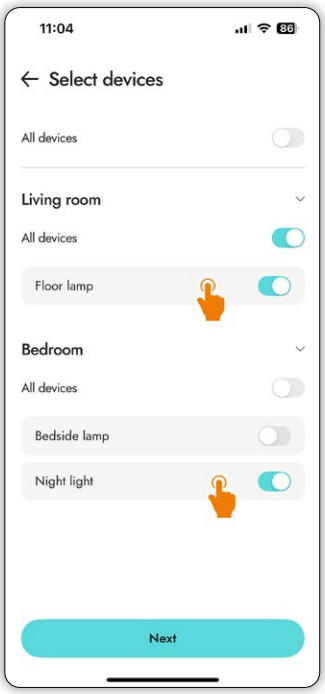
Click on **Presence simulation** (2).



Then click on **Enable presence simulation**.

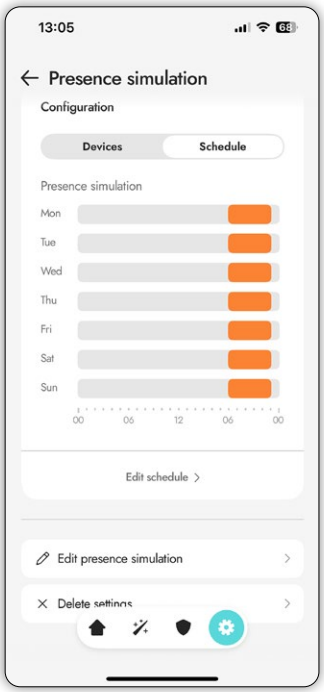


Here, you choose the devices that are to be involved in this function – you **can select all**...

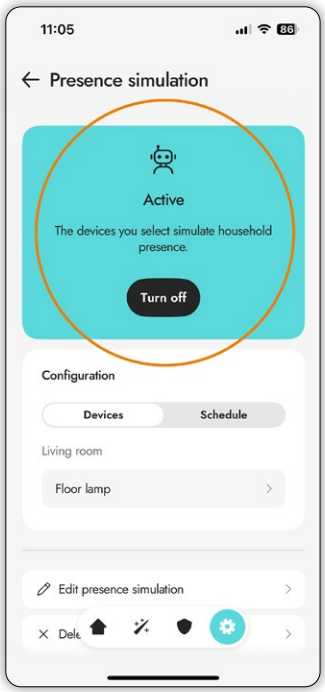


... **or only some of them**

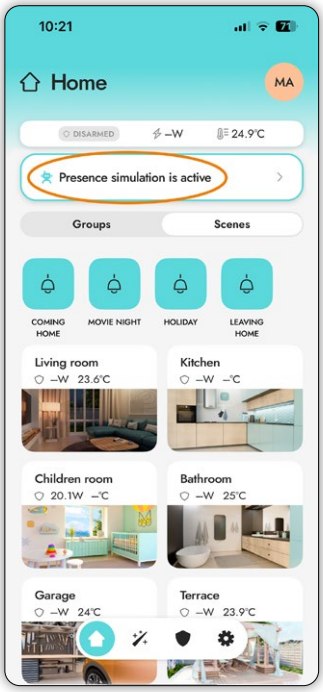
These can include the **Smart Plug** to control the operation of lamps and other devices connected to the socket, the **Smart 2-CH Relay** controller, which manages other lighting, the **Smart RGBW LED Driver**, which controls the operation of LED lighting, **Smart Blinds**, responsible for the operation of roller blinds, and the **Smart Dimmer**, which monitors the intensity of lighting.



The next step involves setting the **schedule** according to which the presence simulation is to run.
You can read more about schedules in Chapter 10



The simulation is launched on the same screen where you configure its settings (5).
You **can activate** or **deactivate** the **presence simulation** remotely, even when you are far from home.

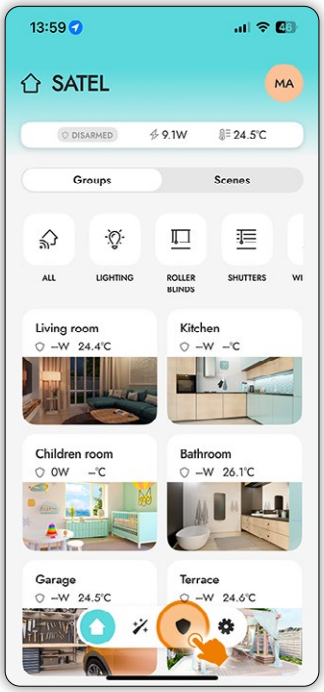


A message that **presence simulation is active** is displayed on the main screen of the app.

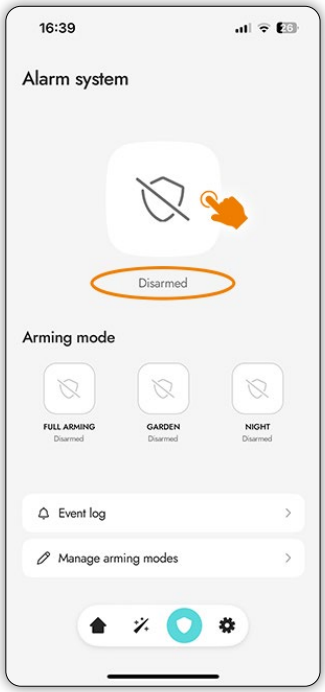
Directly from this place you can go to the settings to deactivate it.

12. Alarm System

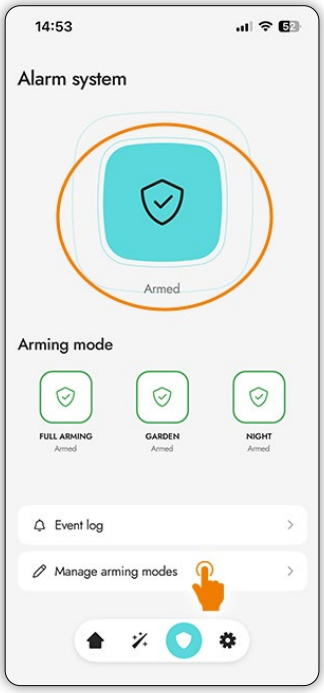
Here you can activate and deactivate the security system and manage its modes. The full protection mode (covering the whole house) is the default setting. In addition, you can set up nine customised modes – these will be partial modes (applying to the rooms and devices you specify).



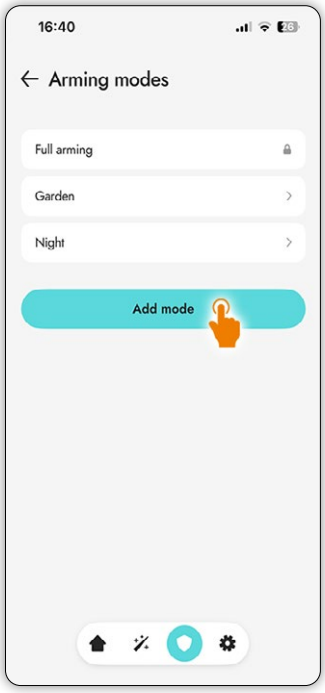
You enter the alarm system settings from the main screen by clicking on the **shield** icon in the bottom menu bar.



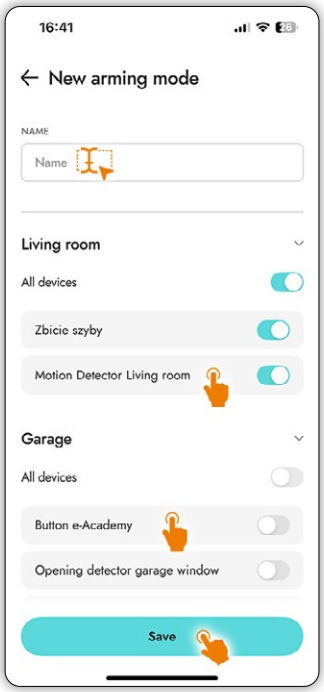
You activate the full protection mode by tapping the shield icon visible on the screen or the icon below. The crossed grey shield means that no protection is on...



The aquamarine shield means that the protection is on. By selecting **Manage arming modes**...

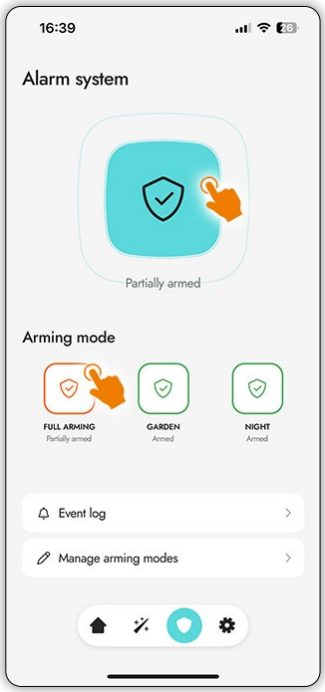


... you enter the arming modes, where you can **add new** modes and **edit** or **delete the existing ones**. To add a new mode, click **Add mode**...

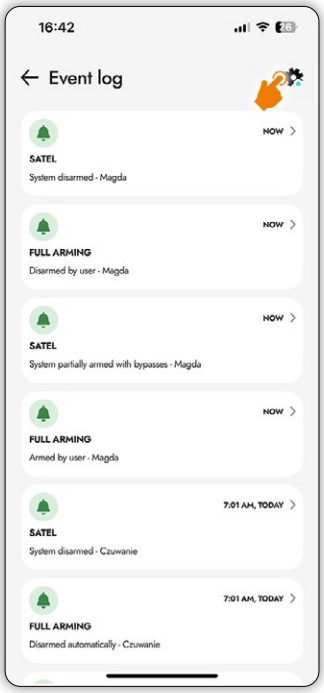


... add a **mode name** (so that you know what it covers), then **select all or some devices** in the rooms that you want to be armed in this mode.

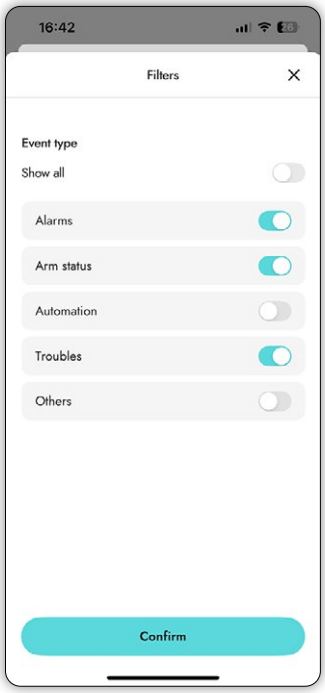
Click on **Save**, and the mode has been added.



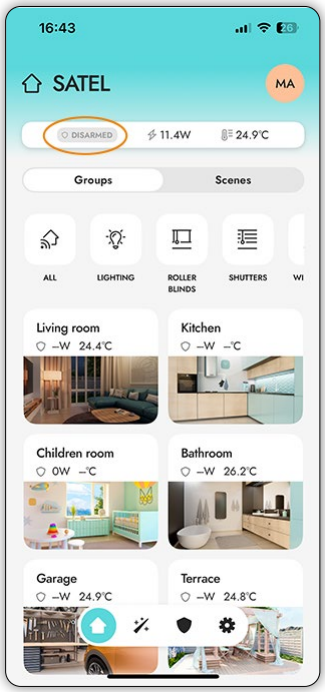
Individual **protection modes are activated by selecting the appropriate one**. When it is activated, the large shield on the screen illuminates and a text (e.g. partial protection) will be displayed below it. A green frame means that all detectors are armed in this particular mode, while the orange one means that only some of them are. To deactivate protection, click on the main shield icon on the screen or the small icon representing the selected mode.



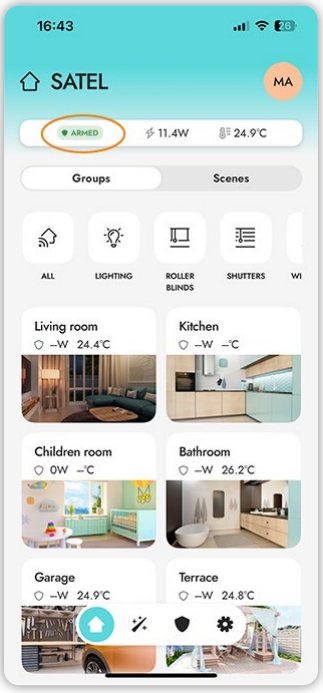
In the event log you can find all information related to security events along with their exact date and time. By clicking on the cogwheel icon...



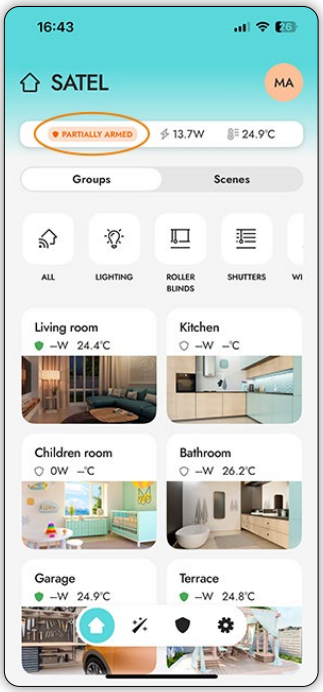
... you can filter the events you want to display according to individual types..



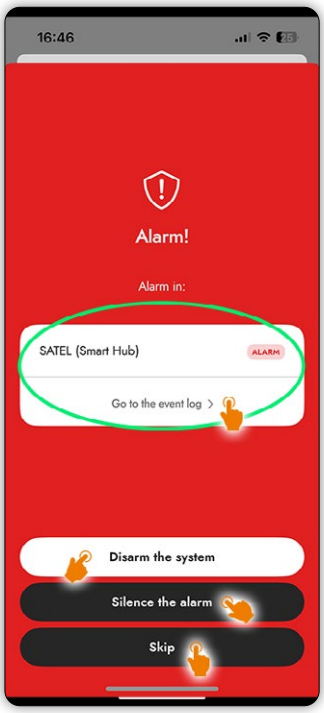
At the top of the app's main screen, you can see whether system is armed or disarmed,



whether the full protection mode is enabled...



... or a partial one.



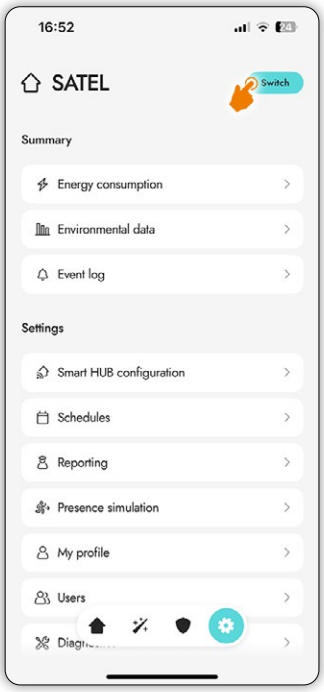
What happens when an alarm is triggered?
The smartphone screen shows an alarm notification with a red background and information about the violation.

An alarm will sound on the phone.

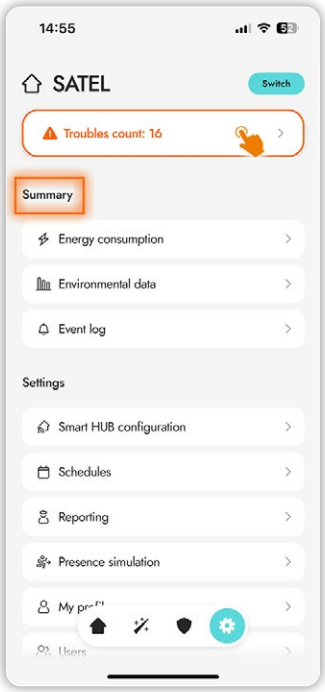
What can we do?
- go to the event log and check the event type deactivate the security system
- mute the alarm (the alarm will be silenced while leaving the protection active)
- skip (to exit the alarm notification, though the protection will remain on and the alarm will continue)

13. Settings

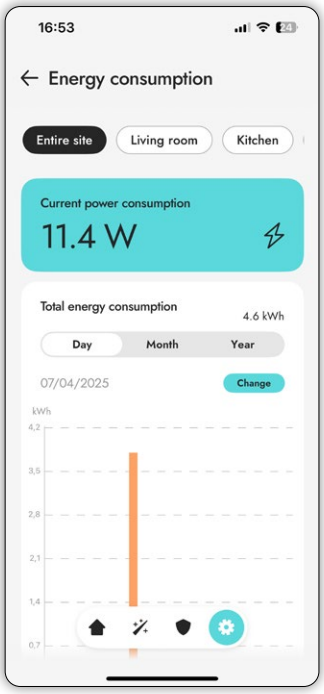
You enter the application settings by selecting the cogwheel icon.



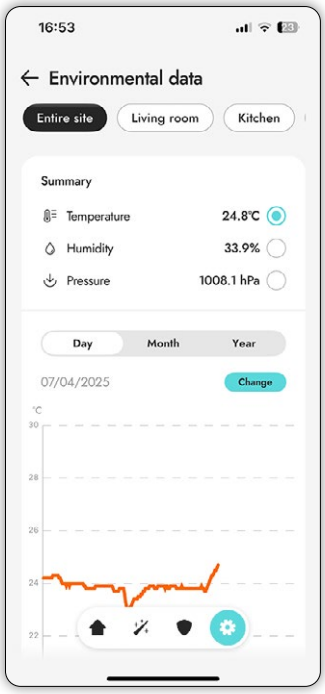
Here you can **switch the app** to other facilities (you do this also by clicking on the name or icon of the facility on the main screen)...



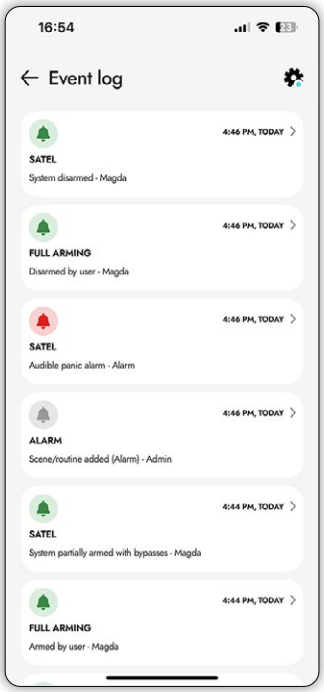
... and check **information about troubles**, if they have occurred in the system.
In the **Summary** section, you can check energy consumption, environmental data and the event log.



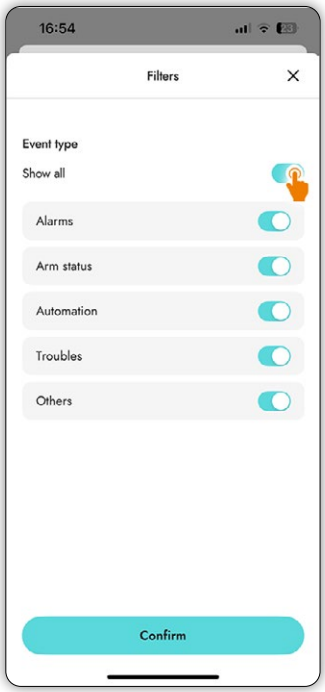
Energy consumption is given for the entire facility, individual rooms or devices on a daily, monthly or annual basis.
You can also generate a csv file with this data.



Environmental data such as temperature, humidity and pressure is given for the entire facility or individual rooms over the course of a day, month or year.
You can also generate a csv file with this data.

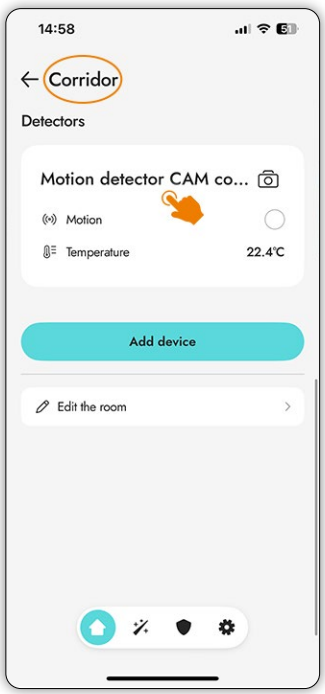


Event log – the system stores up to 8,000 events.

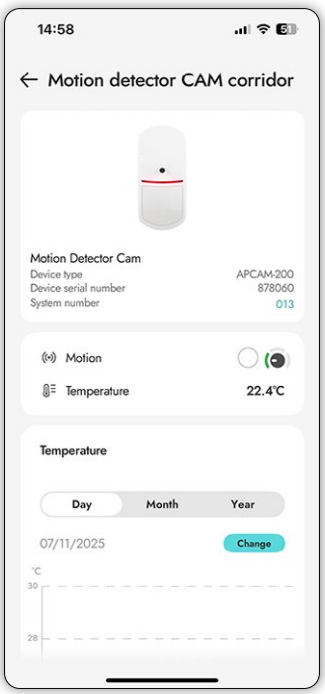


Using the filters, you can display the ones that interest you.

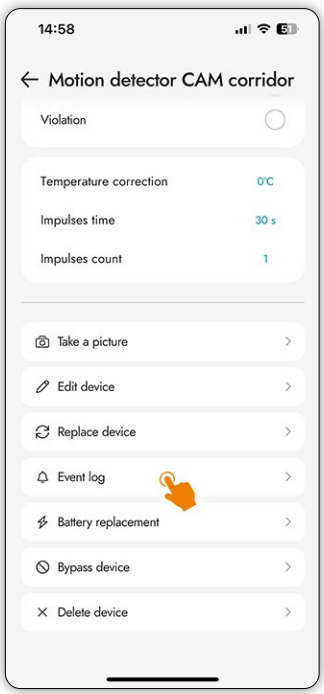
An example of an event is a photo taken by the **Motion Detector Cam**



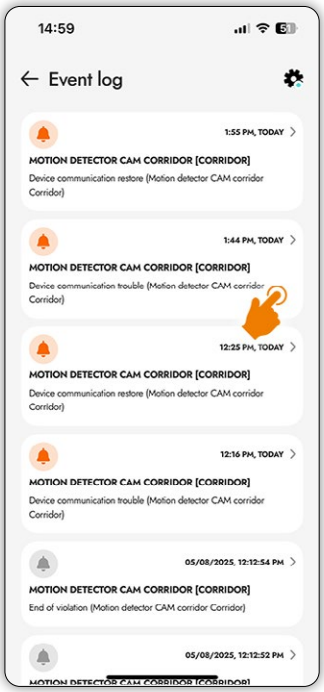
From the main screen, enter the room where this detector is located, click on the name of the detector...



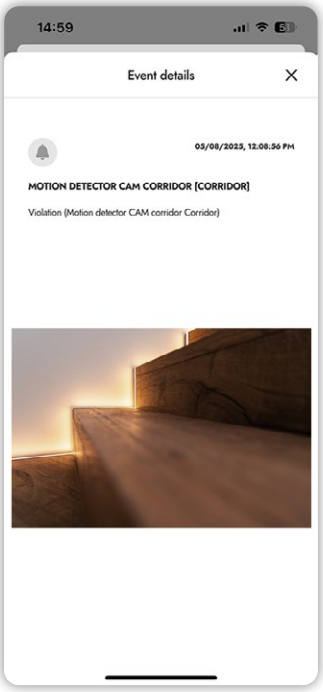
and then...



... scroll down and enter the **Event log**.
This is where all events involving the **Motion Detector Cam** are stored, including the photos taken.

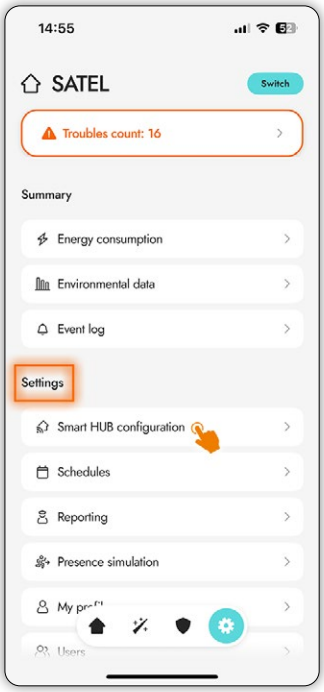


Select the event that interests you...

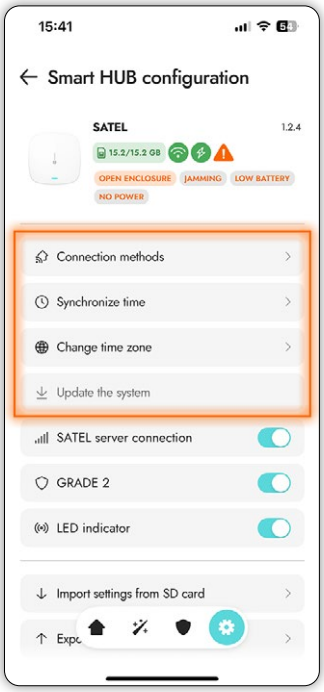


... and you will see a photo taken by the **Motion Detector Cam**. You can also be redirected to the event by a push notification.

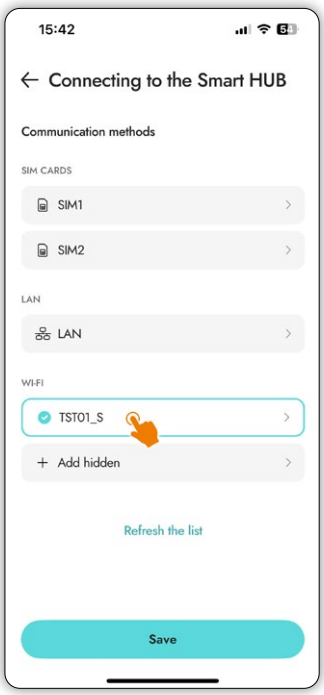
In the **Settings** section:



You can configure the **Smart Hub**...

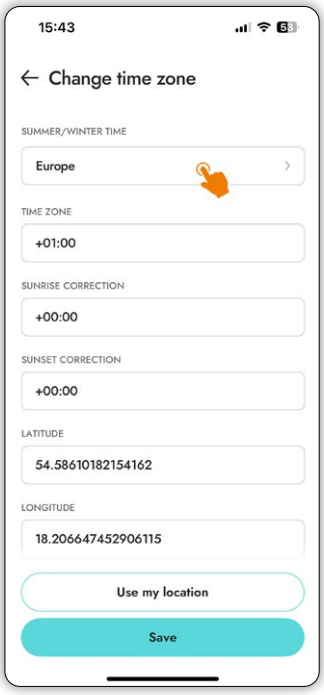


... i.e. set up connection methods, time synchronisation, time zone, and update the system

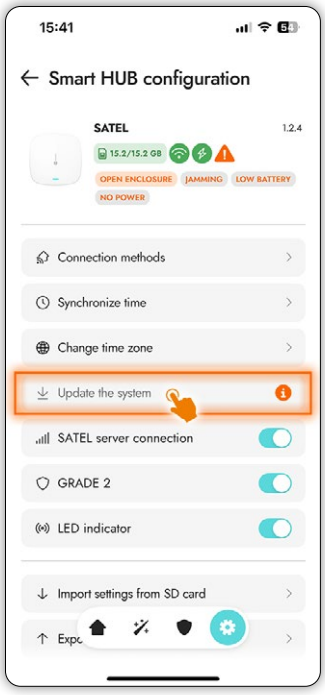


Connection methods – here you select the methods of communication: SIM (in Smart HUB Plus), LAN, Wi-Fi.

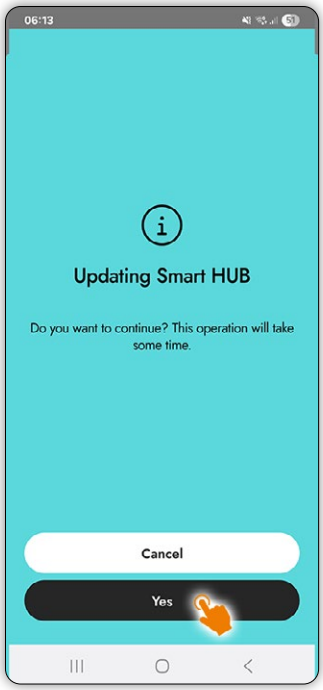
Synchronise time – if you notice that events are stored with a different time than they actually took place, you can run time synchronisation. The Smart HUB synchronises the time once a day.



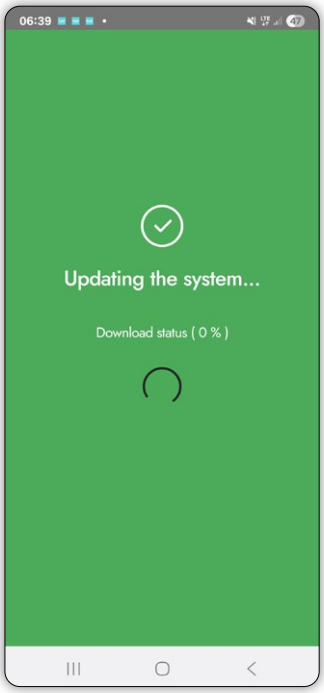
Change time zone – apply this option if the Smart HUB is in a location with a different time zone to the one set at the factory.



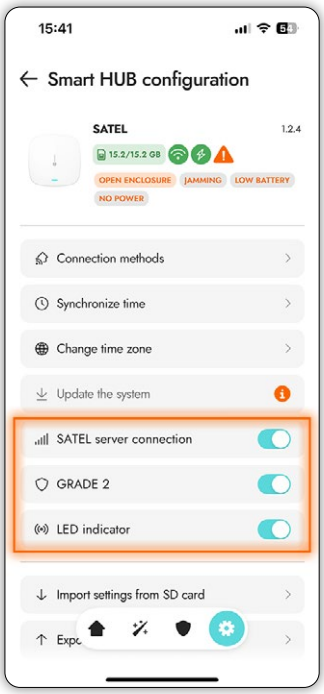
Update system – here you can update your system – if a newer version of the software is available, you will see an 'i' with an orange background at the update. The system update takes place in the background. If the update involves other system devices, it will start automatically. Click to update.



Click on **Yes**.
The system update will start.
After the update is completed,
it may be necessary to restart
the Smart HUB for the system to return
to normal operation.



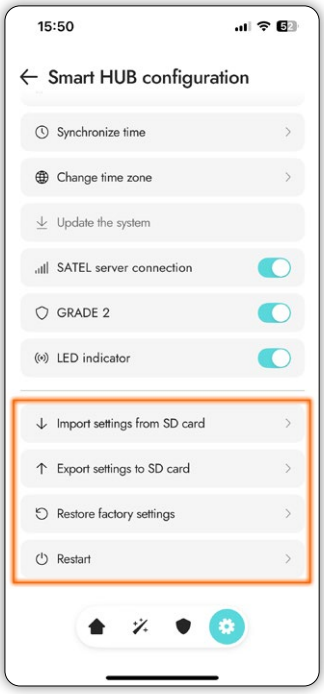
While the device is being updated, a screen appears that will close when the correct connection to the Smart HUB is established, after the update is complete.



SATEL server connection – when this option is selected, a connection is made by the SATEL server, i.e. the application connects to the HUB via the Internet, through the server. At this moment, the system sends push notifications. You can also connect to your HUB locally (option disabled), but then no push notifications will be sent to your phone.

GRADE 2 – activates the settings and options required for the GRADE 2 security level. GRADE 2 is one of the protection levels described in the EN 50131-1 standard currently in force in the European Union regarding the installation of alarm systems.

LED indicator – this is where you turn the LED indicator on or off on the Smart HUB.

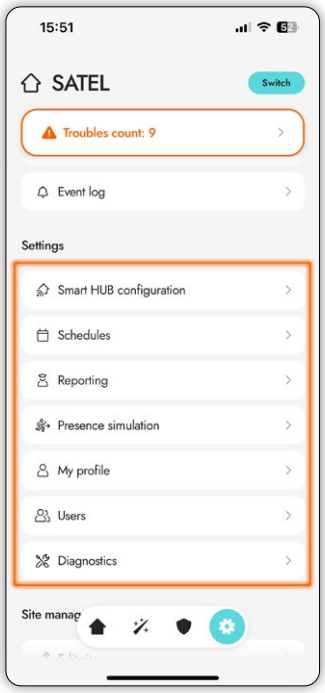


Import settings from SD card and Export settings to SD card – you can use this option to transfer data and settings to another system or when you want to save a backup copy of them (useful in case of a malfunction, the need to restore the HUB to factory settings or replace the HUB with a new one).
In addition, it is advisable to save the currently used configuration file in another location, as it is irretrievably deleted from the SD card when returning to factory settings.

Restore factory settings – use this option if you want to clear the system of data and be able to configure it from scratch.

Restart - use this option when you need to restart the HUB.

In the **Settings** section, you can also configure:



[Schedules – Chapter 10]

Reporting – here you can configure the connection of the system with a monitoring station (security agency). Your installer can help you do this.

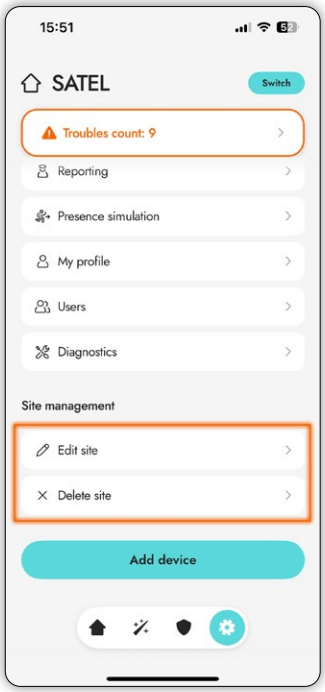
[Presence simulation – Chapter 11]

[My profile – Chapter 14]

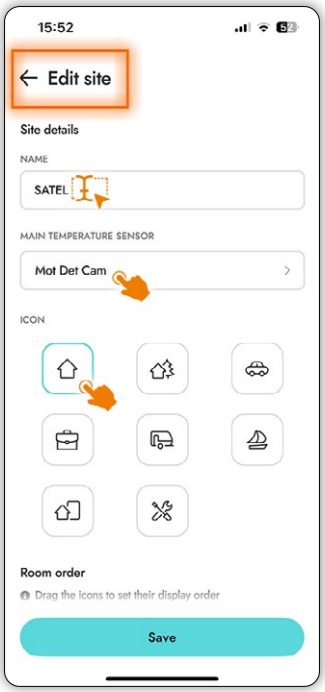
[Users – Chapter 15]

[Diagnostics – Chapter 17]

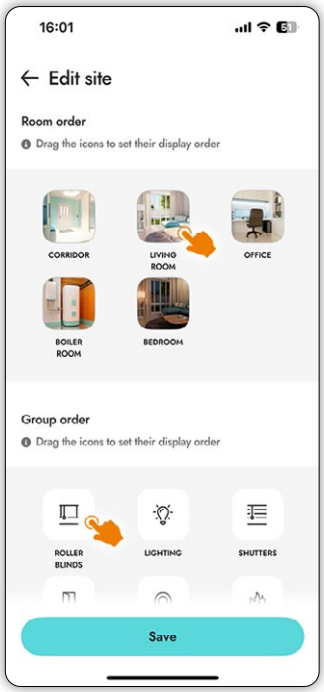
In the **Facility management** section:



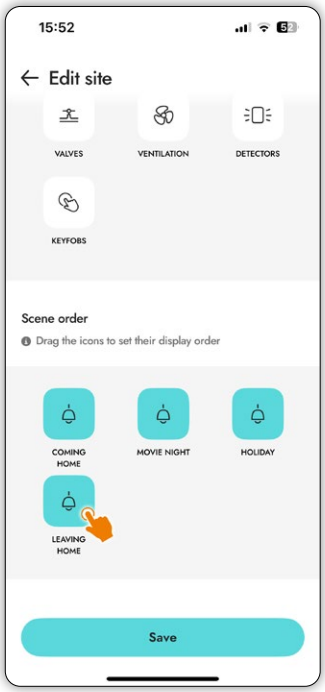
There are 2 sections: **Edit site** and **Delete site**.



In the **Edit site** section, you can change the **name** of the facility, select the **main temperature sensor** (most BE WAVE devices have a temperature sensor) – choose one that's in a room you are in frequently, that is not too close to a radiator or window and preferably not too high up. You can also select an **icon** that represents the facility.

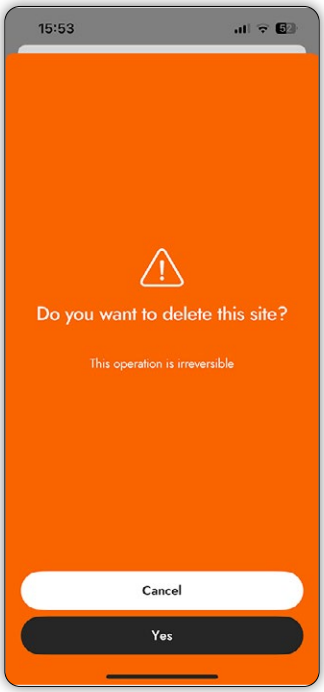


Here you can also **determine the order of rooms** and the **order of groups** on the main screen.

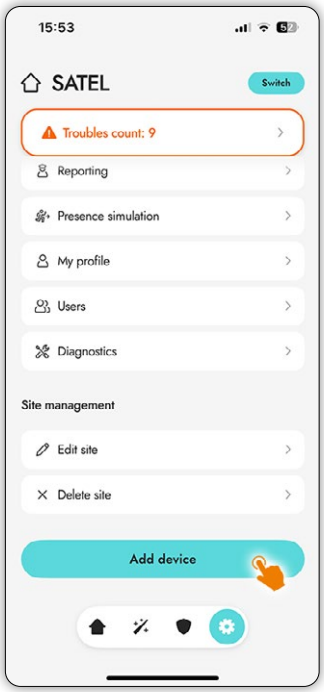


The **order of scenes** on the main screen.

The order in which rooms, groups and scenes are displayed can be changed by touching individual icons and moving them to the desired location.



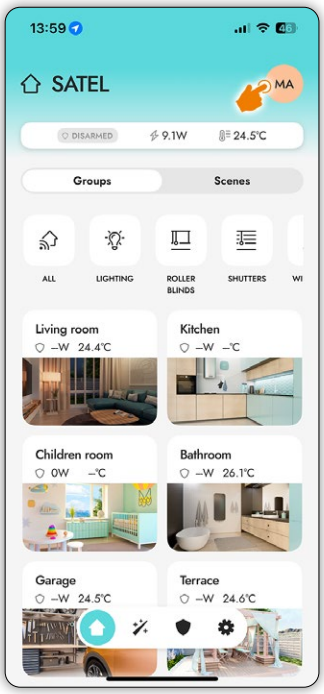
In the **Site management** section, you can **Delete a site**. This means completely removing it from the app – it will disappear from the list of facilities and you will not be able to connect to it. If you are in a local network where the deleted facility is located, you will have the option to add it again.



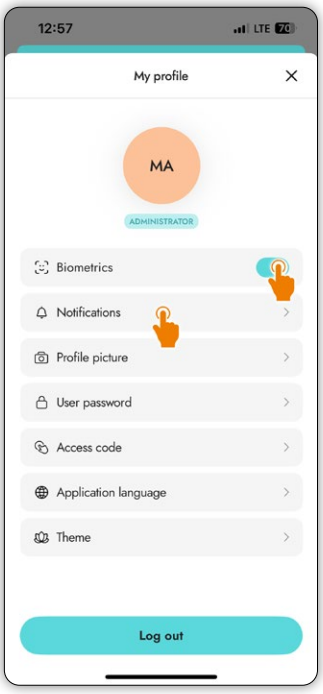
You can also add a new device to the system by selecting **Add device**.

14. My profile

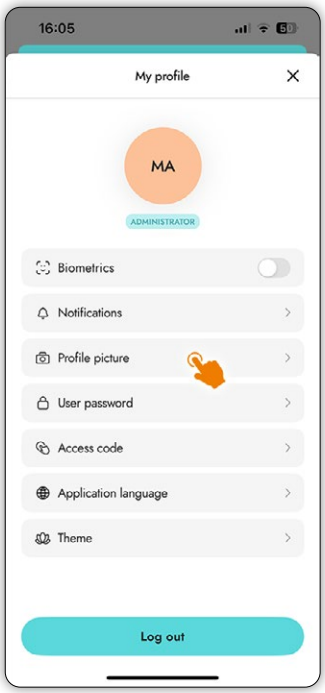
To enter your profile settings...



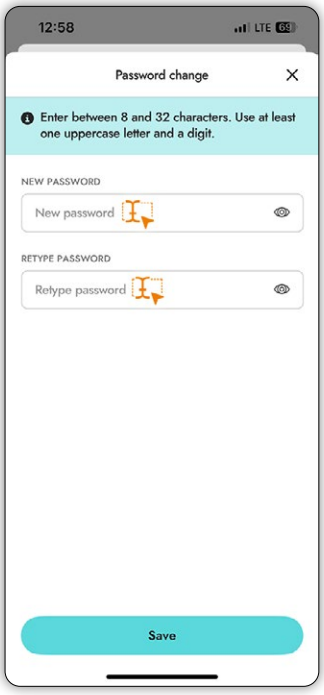
...click on your **profile picture, the button with the username abbreviation** in the top right-hand corner on the main screen or select My Profile in the settings.



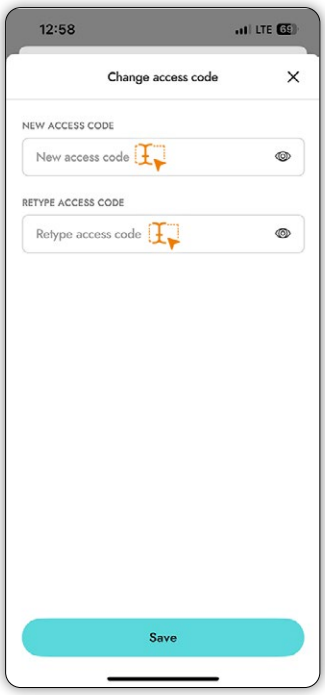
Here you can **enable** or **disable biometrics**, activate **notifications**...



... **add** or **change your profile picture**...



... or **change the password** to your **account**.



You can **enter/change the keypad access code** if your system has a **Smart Keypad**.

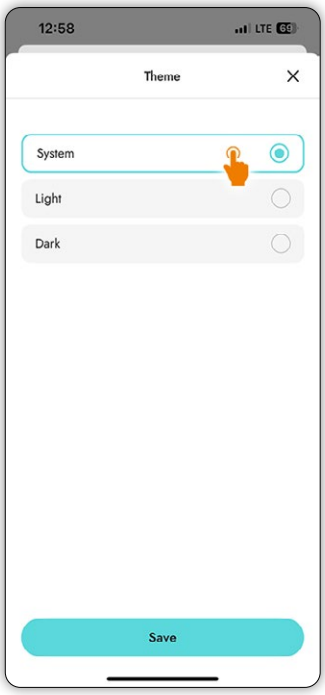
You can **choose the language of the app** from the many options available.

If you change the language of the app, the following will change:

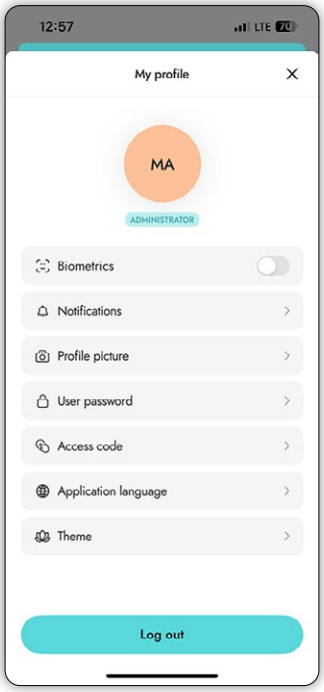
- the menu language, the language of notifications and the names of rooms that have not been previously edited

these will not change:

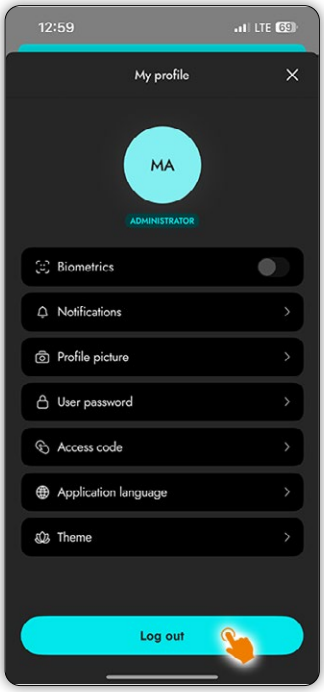
- facility names, names of scenes, routines and schedules you have added, or usernames.



You can select the **application theme** (system theme)



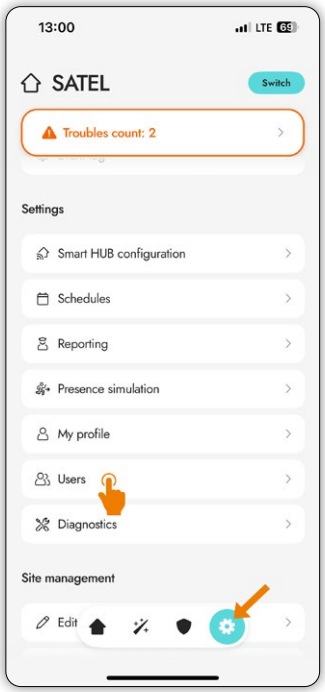
... light...



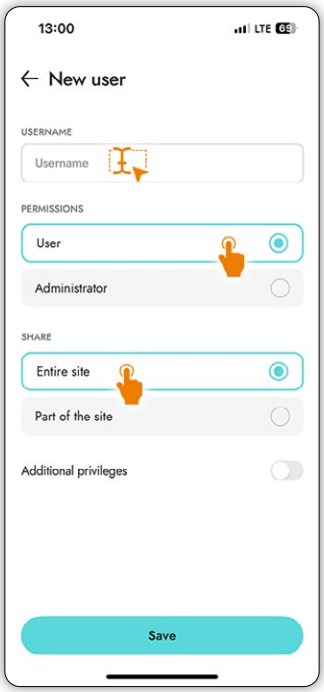
... or dark.
This is also where you can **log out** of your account.

15. Users

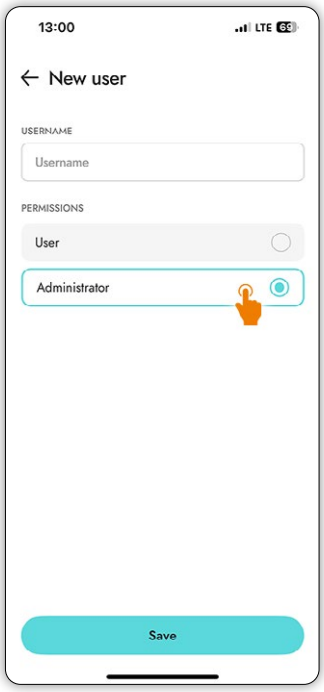
You can add up to 50 other users to your **BE WAVE** system and give them different authorisations to control the system.



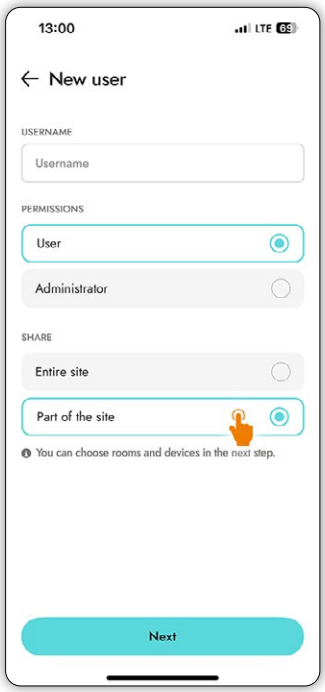
You do this in the settings (cogwheel icon) by selecting **Users**. Click on the **Add user** button



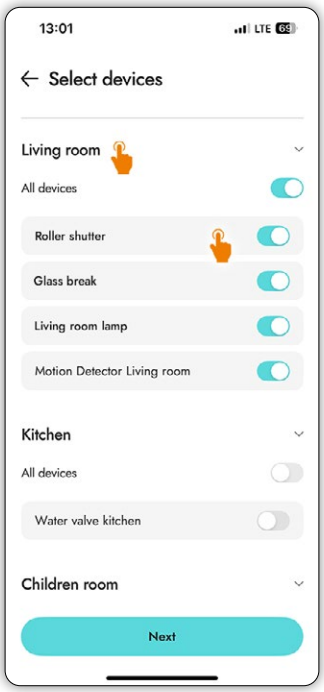
Then give them a **name** by which you can easily identify them. Select the **type of authorisation**: either a **user** or an **administrator**.



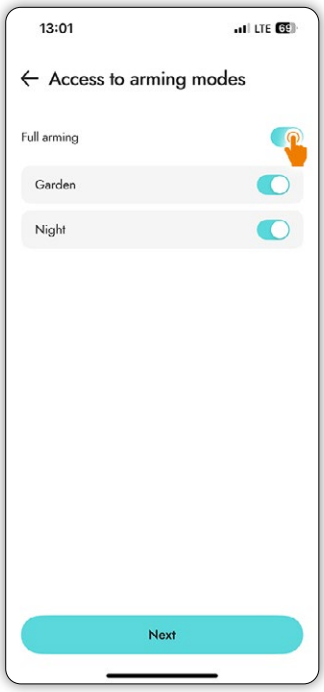
The **administrator** is always given **authorisation for the entire site**...



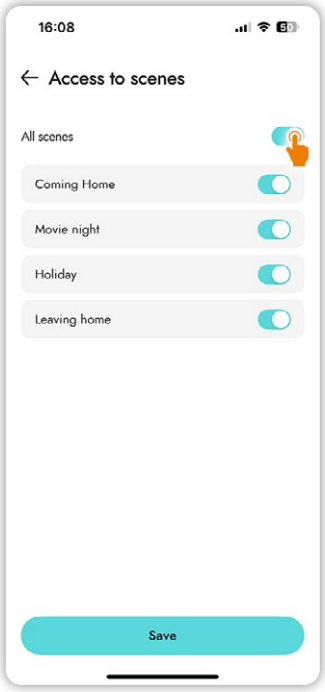
... while a **user's authorisation** covers **all or part** of the facility. If you select **Part of the site**...



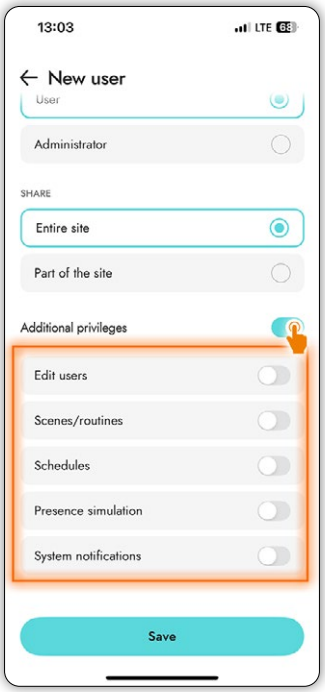
... in the next step you chose specific **rooms** and **devices**.



Next, you specify the **arming modes** that the user will be able to access...

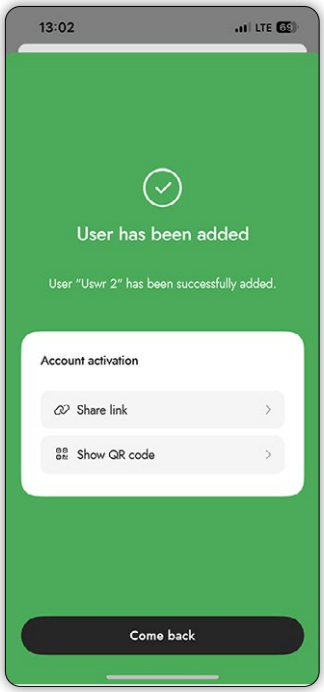


... and then **scenes** to which the user is to have access.

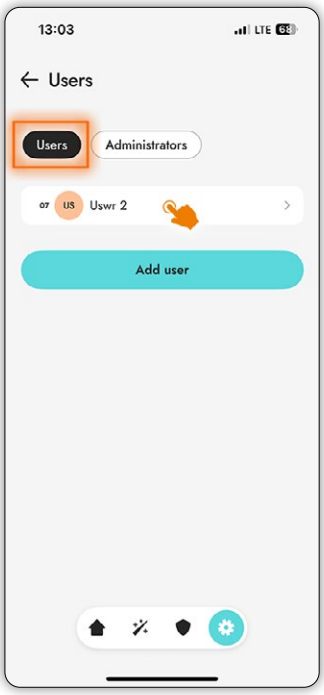


If you select for an ordinary user to have access to the entire facility, you will be able to assign them **additional authorisations** that is, the **right to edit**:

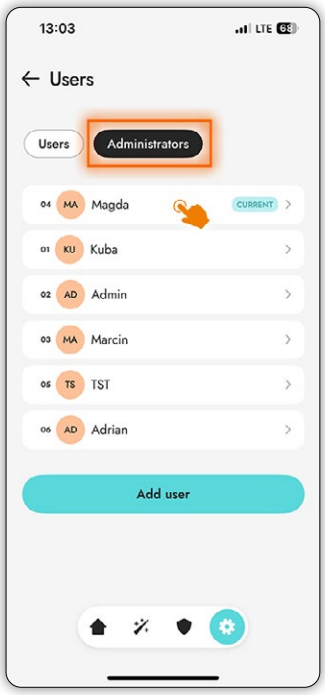
- other users' authorisations,
- scenes and routines,
- schedules,
- presence simulation,
- system notifications



Once all authorisations have been entered and the user has been saved, the screen will display the Share link or Show QR code option..



The new **user** will appear on the **list of users**...



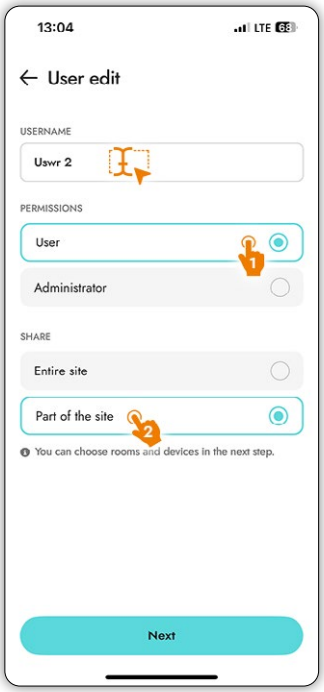
... just like **administrators**.

If you want to edit authorisations of a specific user, enter this user's profile, where you can:

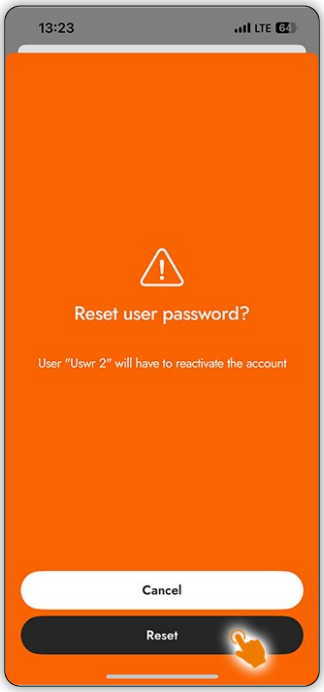
Change the status (1) of the **user** from **active** to **inactive** and vice versa. If you want to prevent a user from accessing the system management temporarily, you can deactivate the user here and then easily reinstate this capability.

Such a user could be, for example, an installer whom you activate only when you need their support.

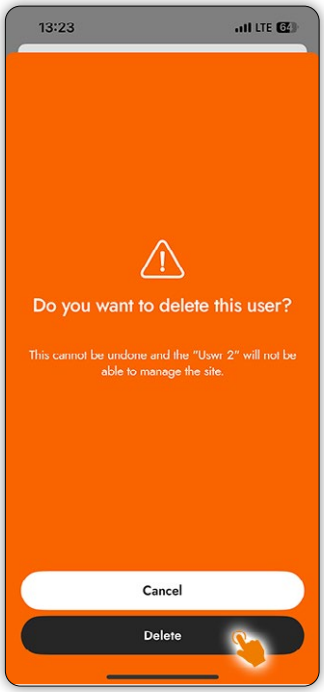
In the **Devices** section (2) you can check: the number of devices assigned (up to 5 per user), their names and the dates and times they were added.



Edit the user's name (1) and their **permissions** for a particular facility (2).

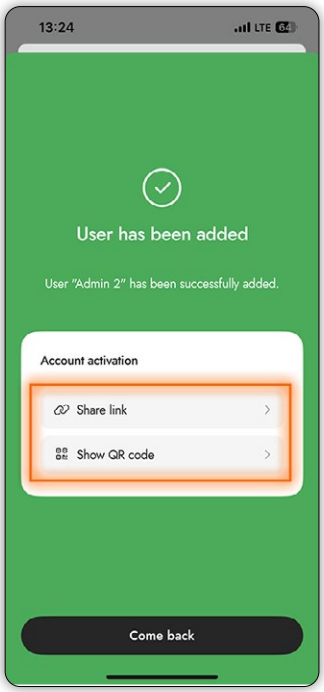


Reset the user's password – they will then need to re-activate their account.

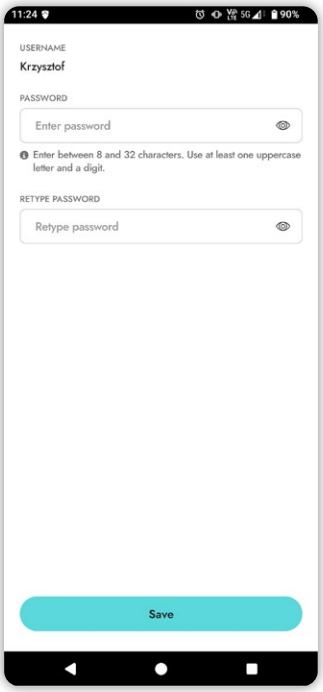


Delete user – they will no longer be able to manage the facility.

Access for **new users** via a **link / QR code**

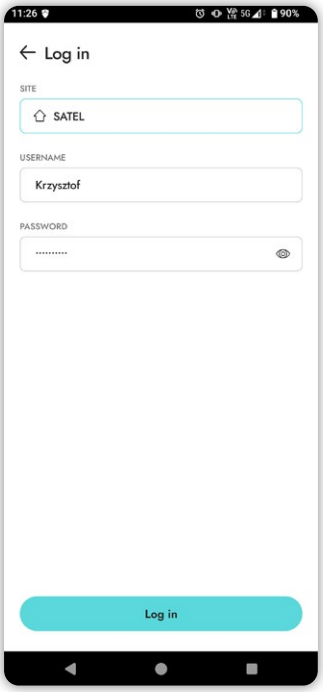


To access the system,
the **BE WAVE** app must first be installed.



After scanning the QR code or clicking on the link,
the new user must create a password.

The facility to be connected
to will appear on the screen.

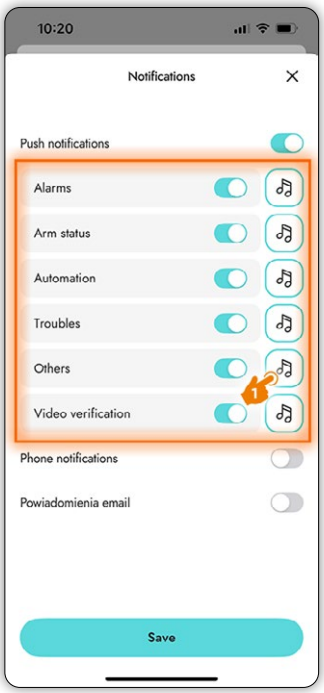


In order to log in to the facility,
a previously created password must be entered.
After logging in, the main screen will be displayed.

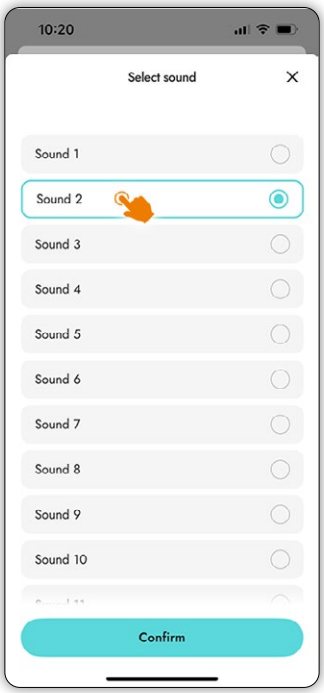
16. Notifications

Notification settings can be found in the **My Profile** section, which you access by clicking on the profile picture in the top right-hand corner of the main screen. You can also access it from **Settings**.

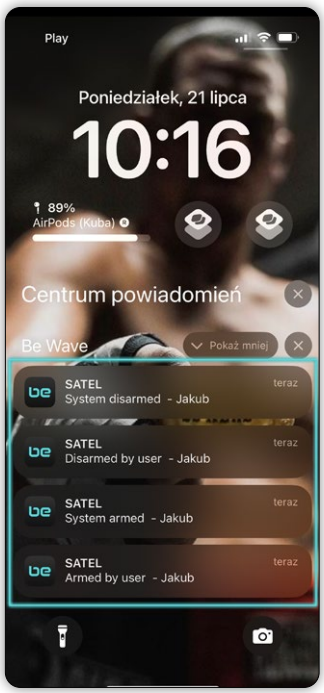
This is where you enable or disable push notifications of events coming to your phone.
These can relate to:



Alarms, **Arm status** (on/off), **Automation**, **Troubles**, **Other**, **Video verification** ; for example, the app will notify you of all events concerning changes to the configuration of devices, the system, routines or scenes. You can change the sound by clicking on the note icon (1) next to the type of notification.



For each **notification**, you can select an **individual sound** by selecting it from the sound library.

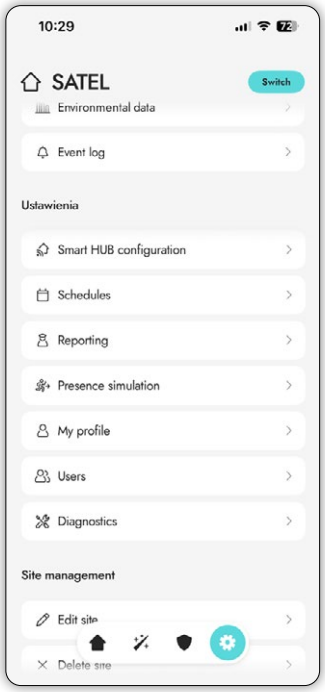


An example of a **push notification** on a locked screen.

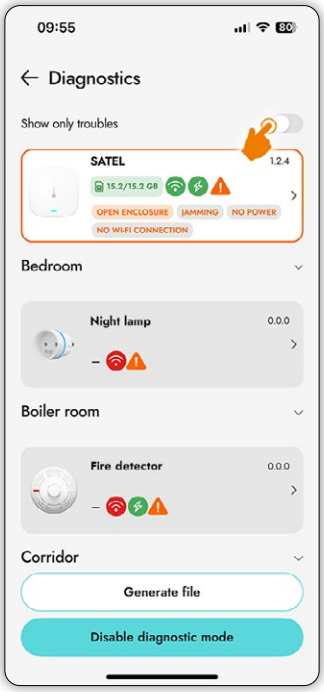
Have you got the **Smart HUB Plus**? This model can send you a text message informing you of an event in the system or call your number (CLIP notification) to get your attention as effectively as possible. This is especially useful in situations that require an immediate response, such as when an attempted burglary or fire is detected, or when you have your smartphone's data transmission turned off or the connection is too weak to transmit a push notification (which is provided by operators such as Google and Apple). With SMS/CLIP notifications, you have more confidence that they will reach you, even despite weaker network coverage.

17. Diagnostics

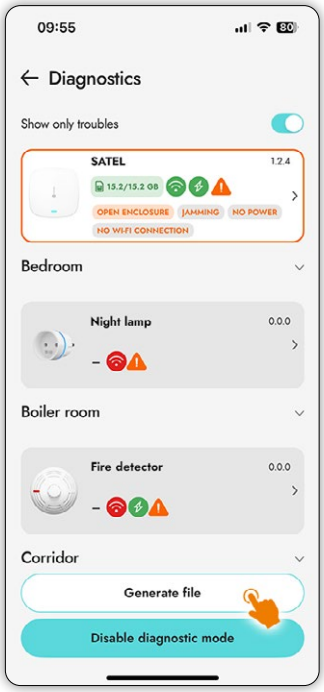
Activate the diagnostic mode when you want to test the devices, replace their batteries, change their installation location, check the software version or the progress of device updates. When the diagnostic mode is activated, no alarms will be reported and it will not be possible to activate the protection mode.



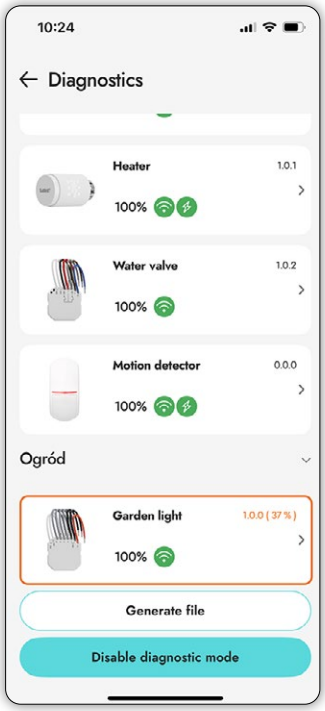
The **Diagnostics** option can be found in the application **settings** (cogwheel in the menu bar).



You can enable a filter so that the system only displays malfunctions – **Show only troubles**.

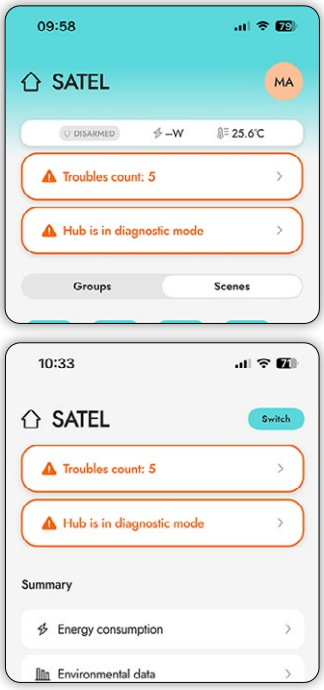


The filter shows a list of troubles in our example system. You can generate a file with a diagnosis result. This file is saved on the SD card in the Smart HUB.



The device number in orange, e.g. 1.0.0, and the percentage in brackets indicate that the device update is in progress and at what stage the update download is.

Diagnostic screen of an example device.



When the system is in the diagnostic mode, this information is displayed on the main screen and in the application settings.

The most common errors, problems, questions. See our FAQ page.