

SENS

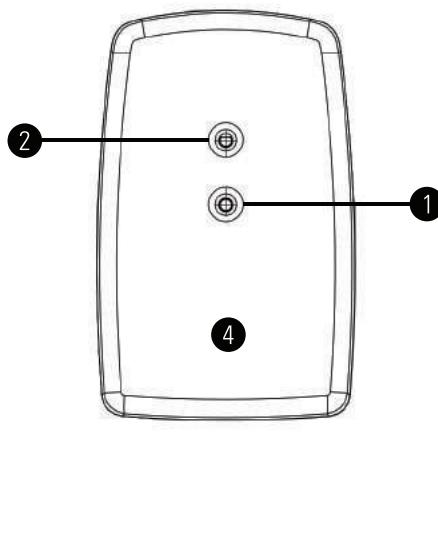
MANUAL

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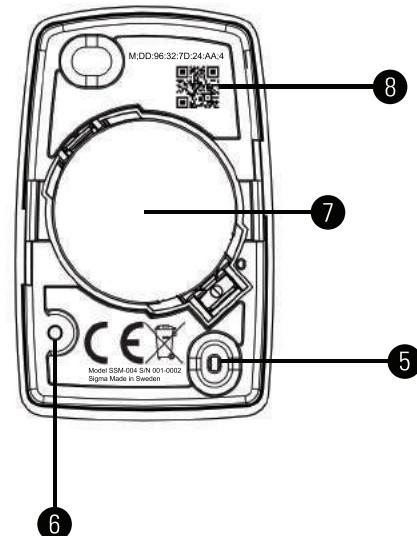
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OVERVIEW: SENSMITTER

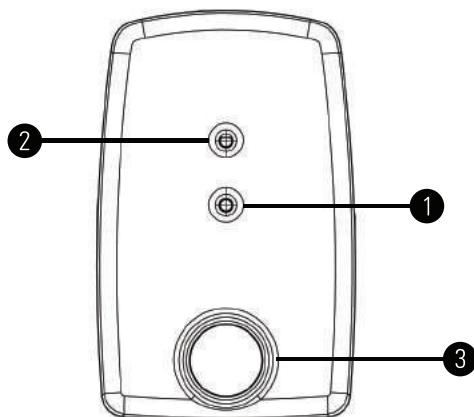
CLIMATE



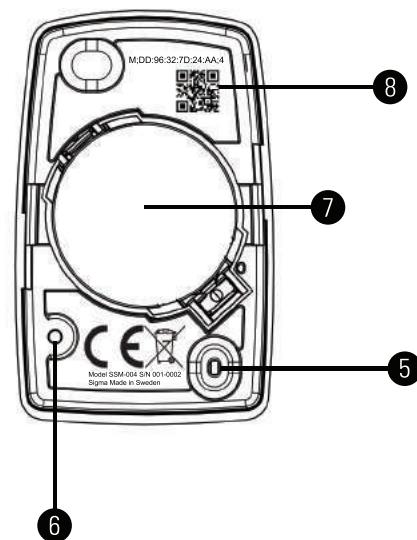
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CONFERENCE



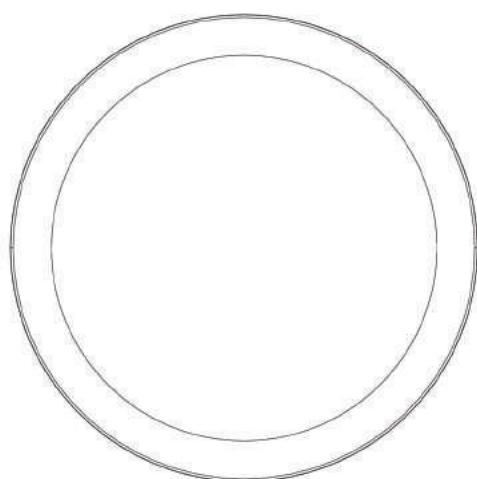
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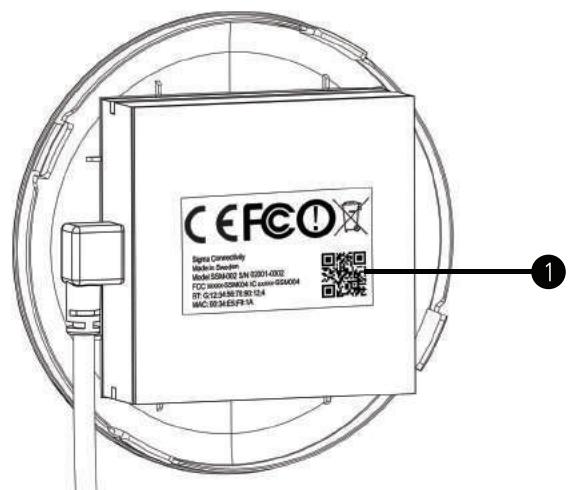
- | | |
|---|-----------------------------|
| 1 | Light sensor |
| 2 | Temperature/Humidity sensor |
| 3 | PIR sensor |
| 4 | Air pressure sensor |
| 5 | LED |
| 6 | Reset button |
| 7 | Battery/ Battery holder |
| 8 | QR code |

OVERVIEW: SENSGATE

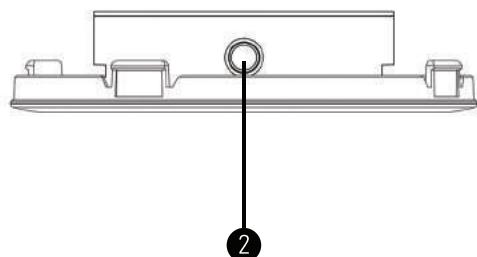
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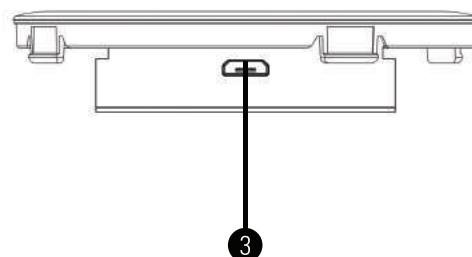
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BOTTOM



TOP



- 1 QR code
- 2 Power button
- 3 Micro usb power outlet

OVERVIEW: SENSGATE LED LAMPS

SENSGATE DEPLOY FLOW:

1. Bluetooth LED lamp starts blinking BLUE and is ready for connection to receive registration ticket
Error state : Bluetooth LED lamp starts blinking RED if the hub detects any error when creating the connecting to the deploy app device
2. Bluetooth LED lamp is constantly BLUE. Connection between sensgate and deploy app device done OK.
3. Bluetooth LED lamp is GREEN (Registration ticket received OK through BT and validated OK)
Error state: Verification of security token and registration ticket fails, Bluetooth LED turns RED
- 3.5: Wi-Fi LED lamp is BLUE when the sensgate tries to connect to WiFi
4. Wi-Fi LED lamp turns GREEN when the sensgate has created a WiFi connection
Error state Wi-Fi LED lamp turns RED when there's an error when connecting to WiFi (e.g. wrong key or not found the SSID, etc.) When there's a problem with inbox/outbox connection, the gateway lamp turns RED
- 5: Gateway lamp turns GREEN when the setup is OK

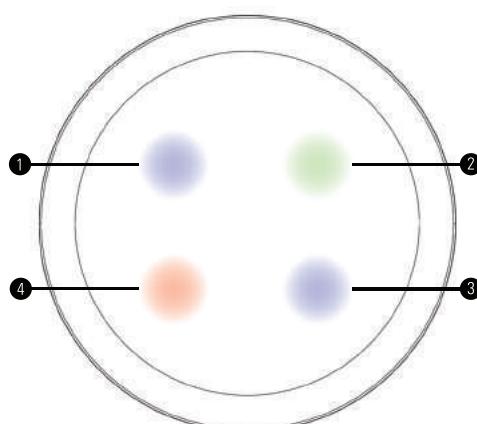
Any change of state for any LED, times out after 8 seconds.

SENNSMITTER DEPLOY FLOW:

1. The sensmitter registration LED lamp turns GREEN when the registration is OK
Error state: If the registration doesn't go through, the sensmitter registration LED lamp will turn RED

TROUBLESHOOTING

1. Press the power button for 8 seconds in order to restart it. The LED lamps will turn red and shut down after some seconds. Restart process takes around 2-3 minutes before the sensgate is up and running again
2. To do a hard reboot, press the power button for approximately 15 seconds. The LED lamps will first turn BLUE and then RED, which initialize the reboot sequence. Restart process takes around 2-3 minutes before the sensgate is up and running again



- | | |
|---|----------------------------------|
| 1 | Bluetooth LED lamp |
| 2 | Wi-Fi LED lamp |
| 3 | Gateway LED lamp |
| 4 | Sensmitter registration LED lamp |

OVERVIEW: SENSATION

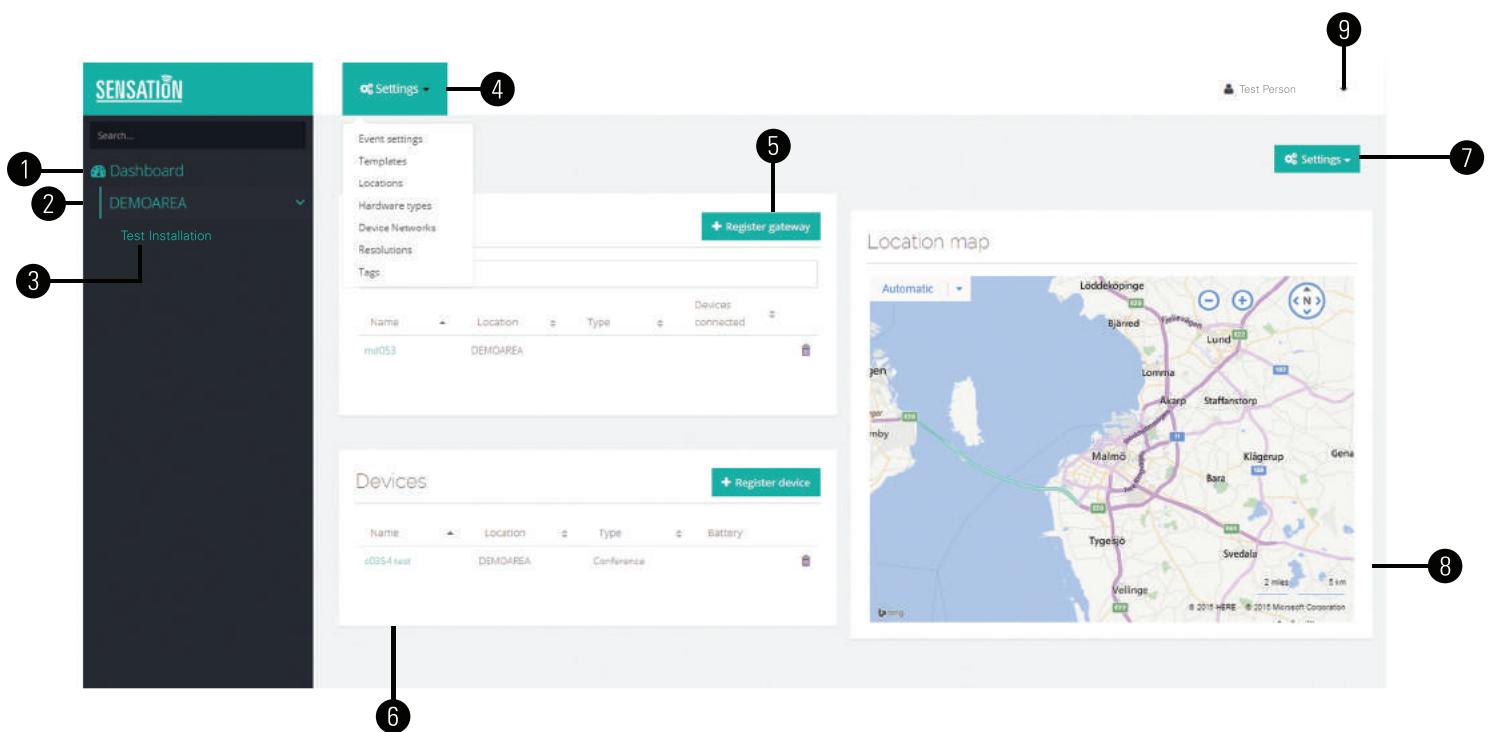
INTRODUCTION

Sensation is the application that handles your network of sensors. With Sensation you can analyze and process enormous amounts of data in real-time. The information is displayed in the user interface below and can be connected to maintenance systems and BI solutions.

INSTALLATION AND TEMPLATES

During the installation, templates are used in order to configure each individual sensmitter. When configuring a sensmitter, a configuration could be: how often it will report, and in which range of values that it report. For example if we have a sensmitter that has a temperature sensor, this sensmitter could then use a template called "indoor", which would enable the sensmitter to report the temperature once every hour.

In this way, the user simply select the template and does not have to worry about the underlying logic and settings. These templates can also specify what rules to apply. It's possible to have a rule that says that if the indoor temperature exceeds 26 degrees Celsius, a work order is created. This means that an installation could be done in a couple of minutes if templates are used during the installation



1 Dashboard Overview pane of all installations where the user can see active events, calculated values and pinned graphs

2 Location Is the geographical location of the installation. Here the user is able to set the name of the location such as home or office

3 Sub-location Is the sub-location to the main location. A sub-location could be floor 1 or area A

4 Settings menu Is where the user is able to set up/add locations, tags templates etc.

5 Registration button Is the button which enables the user to add a gateway/device to the current location

6 Device pane Shows all devices connected to the current location. The device pane also shows info about the devices

7 Location map setting Is where the user is able to pinpoint the location on a map and where they can add a floorplan to the location

8 Location map Shows the location of the system on a map

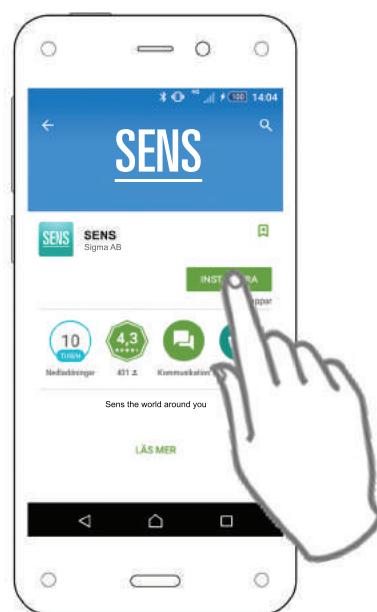
9 User menu Is the menu which allows the user to log out from Sensation

GETTING STARTED

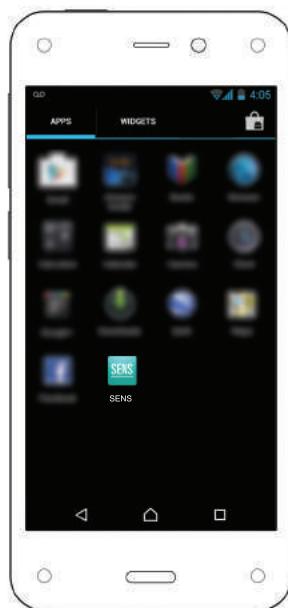
1. To get started with your SENS kit, you first need to download the SENS app from the Google play store.
2. Find the app by searching for SENS (made by Sigma AB)
3. Once the app is downloaded, begin by starting up the app by clicking the "SENS app" icon



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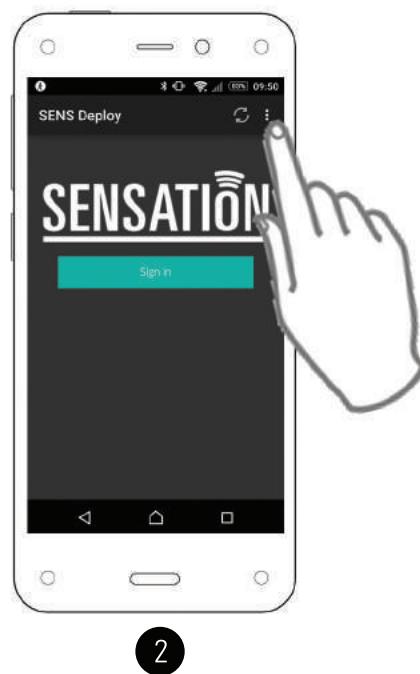
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SETTING UP A SENS SYSTEM PART 1

In order to set-up your SENS system, you first have to add a Wi-Fi network to your SENS system.

1. Start up the SENS app by clicking the SENS icon.
2. Click the 3 dots in the top right corners to access settings.
3. Under settings you will be able to to add a Wi-Fi network to your SENS system. Start by clicking the “add new network configuration” button. Here your have to enter the network configurations of the network that you want to connect to your SENS system .
4. Once this is done, you can go back to the Login screen. Start by logging in with the given credentials found in the email. When this is done, you are able to set up your SENS system.



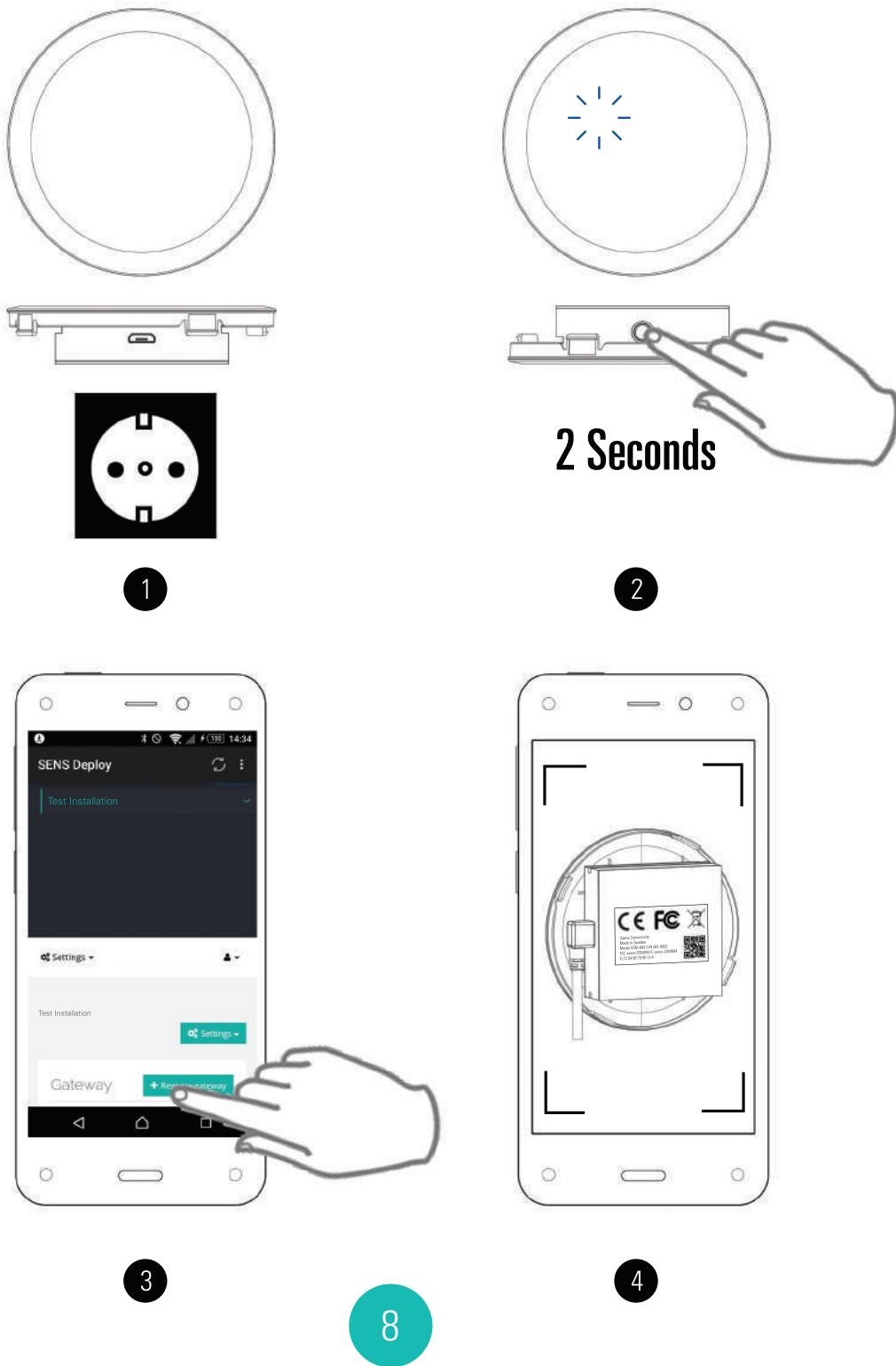
SETTING UP A SENS SYSTEM PART 2

1. Start by adding a system location, which can be found under "settings".
2. Once a location is added, you can add sensmitters and sensgates. Start by clicking the "Register gateway +" or "Register device" button.
3. Scan the QR code of your device, which you can find on the backside of your device.
4. After the QR code has been scanned, you will be directed to the set-up page where you can configure your device. On this page you will be able to set templates (pre-configured settings), settings (your own custom made settings), floor plan, position and tags (used for analytics)



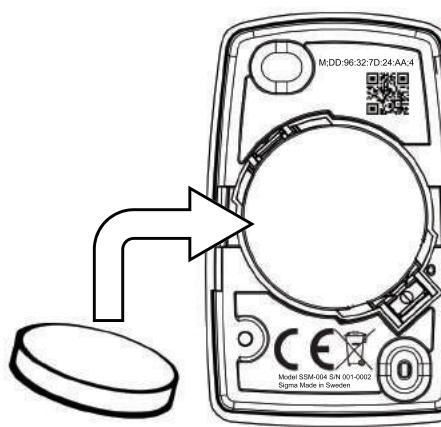
ADDING A SENSGATE TO YOUR SENS SYSTEM

1. Plug your sensgate into an outlet in order to turn on the device. Wait approx.1 minute to boot up the device
2. Press the power button for 2 seconds in order to put the sensgate in deploy mode. The Bluetooth LED lamp will start blinking BLUE (information about the different LED lamps can be found under "Overview: Sensgate LED lamps")
3. Start up the SENS app and choose the location where you want to add your sensgate.
4. Scan the QR code on the backside of the sensgate and finalize the setup by configuring your sensgate with the settings that you desire



ADDING A SENSMITTER TO YOUR SENS SYSTEM

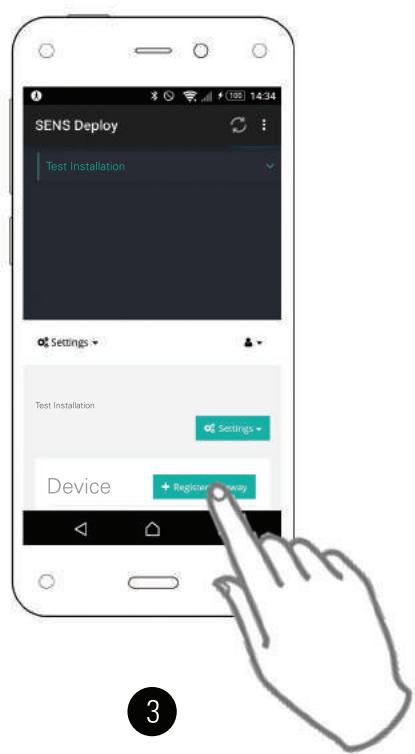
1. Power on your sensmitter by inserting a CR2450 coin-cell battery into the back of the sensmitter
2. The sensmitter LED will start blinking intensively with a green light to indicate that it is on and is ready to be added to your SENS system.
3. Add a sensmitter to your SENS system by locating your location in the menu and press the "register a device" button under the devices section .
4. Scan the QR code of the sensmitter, which you can find on the backside of your sensmitter. After the QR code has been scanned, you will be directed to the sensmitter set-up page where you can configure your sensmitter.



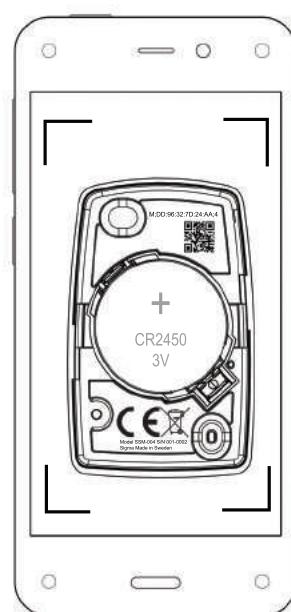
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