
Nexus®Pro iOS app

Commissioning process



Table of contents

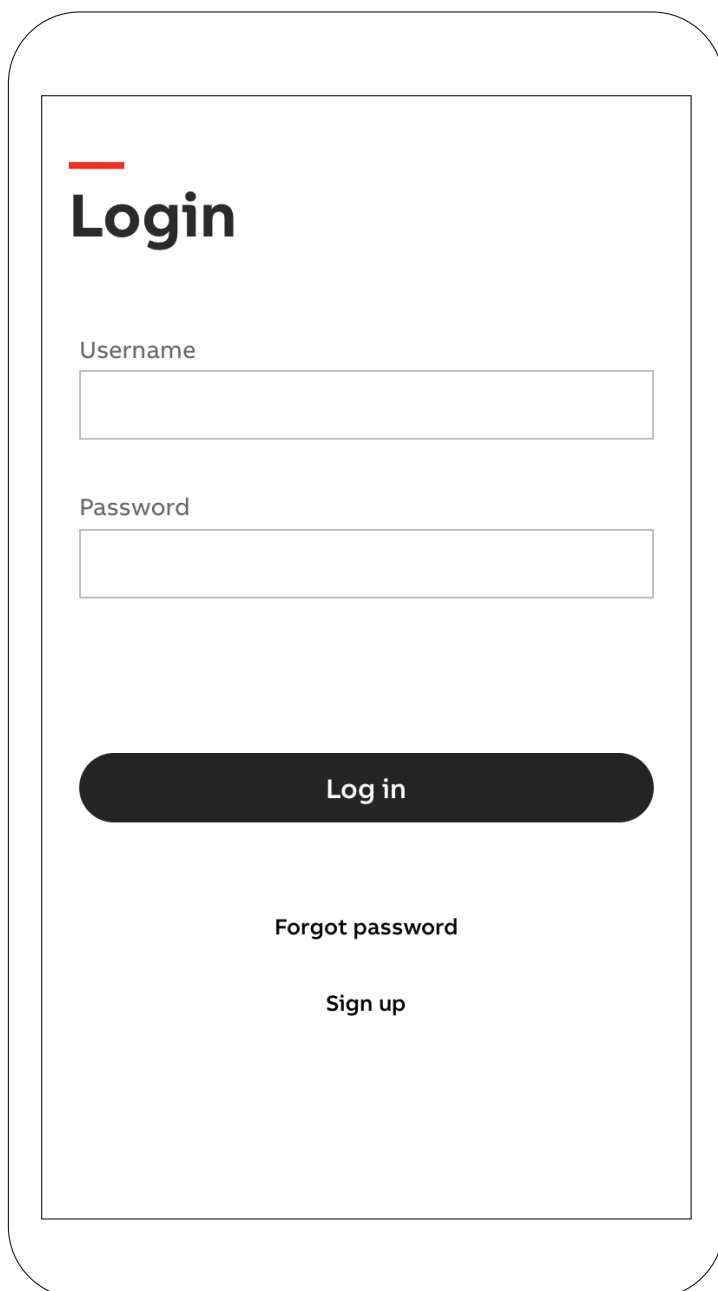
04	Pre-commissioning information
05 – 09	Account creation
10 – 15	Configuring the buildings of the organization
16	Convert a file to PNG format
17 – 25	Adding a Gateway to the system
26	Activating Wi-Fi for communication with a router without hardwire connection
27 – 34	Adding a device to the system
35 – 38	Add or move a device or Gateway on the floor map

Pre-commissioning information

For a successful network operation, please make sure the following ports are opened: Ports 123(NPT) and 443(HTTPS). The Nexus®Pro Gateway can easily connect to the ABB cloud and host strictly Nexus®Pro emergency lighting data. Alternatively, you can use a 3G modem to communicate with the Nexus®Pro system.

Account creation

The first screen that appears is the login screen. This page allows you to login to your existing account or create a new one. To create an account, use the Sign-up button.

A mockup of a login screen on a mobile device. The screen is white with rounded corners. At the top left, there is a small red horizontal line. Below it, the word "Login" is written in a large, bold, black sans-serif font. Underneath the title, there are two input fields. The first is labeled "Username" in a small, gray font, and the second is labeled "Password" in the same font. Both labels are positioned to the left of their respective input boxes. Below the input fields, there is a large, dark gray rounded rectangular button with the text "Log in" in white. At the bottom of the screen, there are two links: "Forgot password" and "Sign up", both in a small, black font and centered horizontally.

Login

Username

Password

Log in

Forgot password

Sign up

After pressing the Sign-up button, the application Terms and Conditions are displayed. Once read, you can either Accept or Decline them. Declining will cancel the login process.

Terms & Conditions

ABB

ABB Ability™ NexusPro/NaveoPro END USER LICENSE AGREEMENT

Please read the terms and conditions of this End User License Agreement carefully before accessing or using the Services and Software:

This End User License Agreement ("Agreement") is an agreement between You and ABB Inc., 800 Hymus, St-Laurent, QC ("ABB") for using the Services and the Software and not with any other party including any party from whom you download the Software. The terms and conditions contained in this Agreement apply to Your use of the Services and the Software, unless such use is subject to a separate agreement agreed between ABB and You in which case the separate agreement will govern such use of the Services and Software by You.

By (i) downloading, installing, accessing, activating, or otherwise using the Services and/or the Software; or (ii) accepting this Agreement, e.g. by clicking on an "accept" button, You are agreeing to the terms and conditions of this Agreement. If You are performing any of the foregoing on behalf of a company or other entity, "You" means that entity, and you are binding that entity to this Agreement. You represent and warrant that you have the legal power and authority to enter into this Agreement and that, if the licensee is an entity, this Agreement is entered into by an employee or agent with all necessary authority to bind that entity to this Agreement.

If You do not agree to these terms, do not (i) download, install, access, activate or otherwise use the Services and/or the Software or (ii) accept this Agreement; and promptly return the unused media, documentation, and proof of entitlement to the party from which it was obtained. If the Software was downloaded or otherwise installed, please destroy all copies of the Software.

1. Provision of Services

1.1 Subject to the terms and conditions of this Agreement and in particular subject to Your activation of the Services, ABB shall (i) provide the Services or make the Services available to You in accordance with this Agreement in all material respects; (ii) apply commercially reasonable safeguards, including technical and organizational measures, in order to establish an appropriate level of security and protection of Customer Data against accidental or unlawful destruction, loss, alteration, and unauthorized disclosure of, or access to Customer Data; and (iii) grant You access to the ABB Portal.

1.2 ABB may make any changes to the Services it deems appropriate in its sole discretion and/or change or remove features or functionality of the Services and/or the Software from time to time. Such changes may include for example changes that (i) are necessary to comply with any applicable Laws or safety or security requirement.

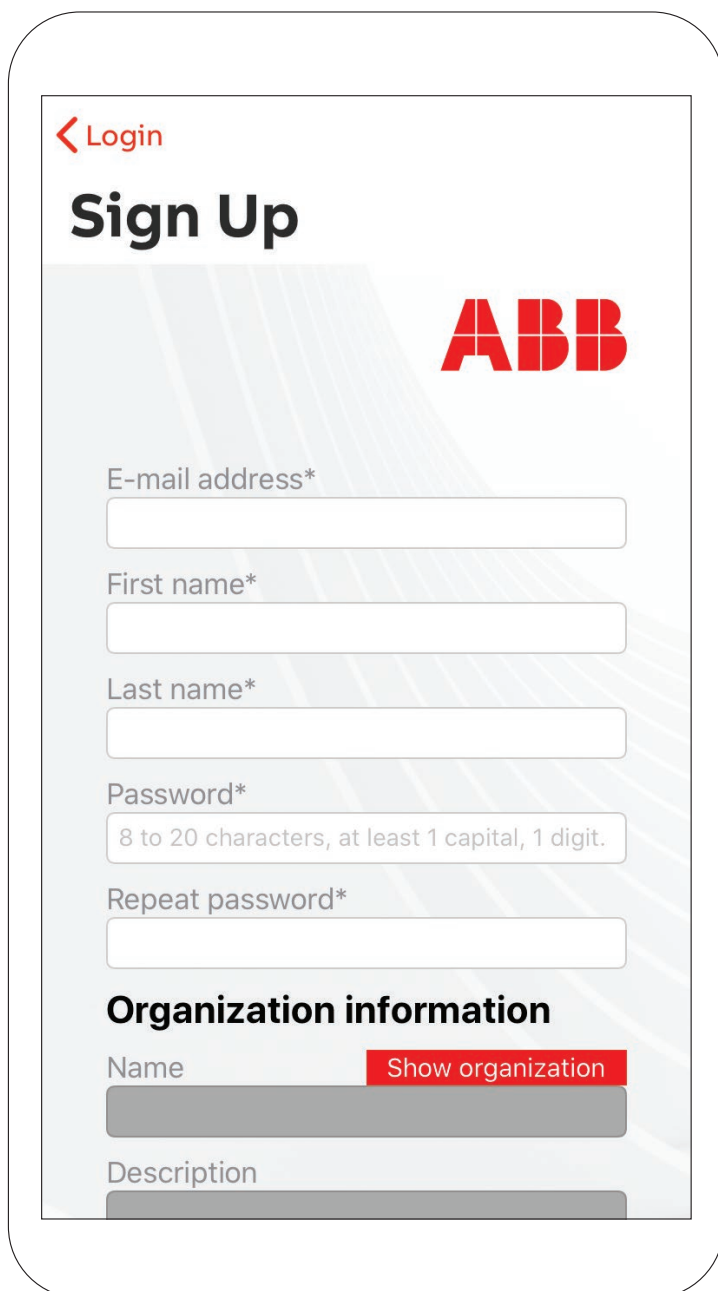
1.3 ABB may provide reports or access to data and reports as part of the Services. Reports are based on the Customer Data collected by the NexusPro/NaveoPro and provided to ABB. Such data is subject to measurement tolerance and may not fully accurately reflect and may not fully accurately reflect the status

DECLINE

ACCEPT


On the Sign-Up screen, enter the necessary details. If you are the first user to join an organization, click the Show Organization button and fill in the necessary information.

Once you click the Sign-Up button, an email will be sent to you. Click the verification link in that email to log back in.

A mobile app screen titled "Sign Up" with a red back arrow and "Login" text. The ABB logo is in the top right. The form includes fields for E-mail address, First name, Last name, Password (with a hint: "8 to 20 characters, at least 1 capital, 1 digit."), and Repeat password. Below these is the "Organization information" section with a "Name" field, a "Show organization" button, and a "Description" field.

[< Login](#)

Sign Up



E-mail address*

First name*

Last name*

Password*

8 to 20 characters, at least 1 capital, 1 digit.

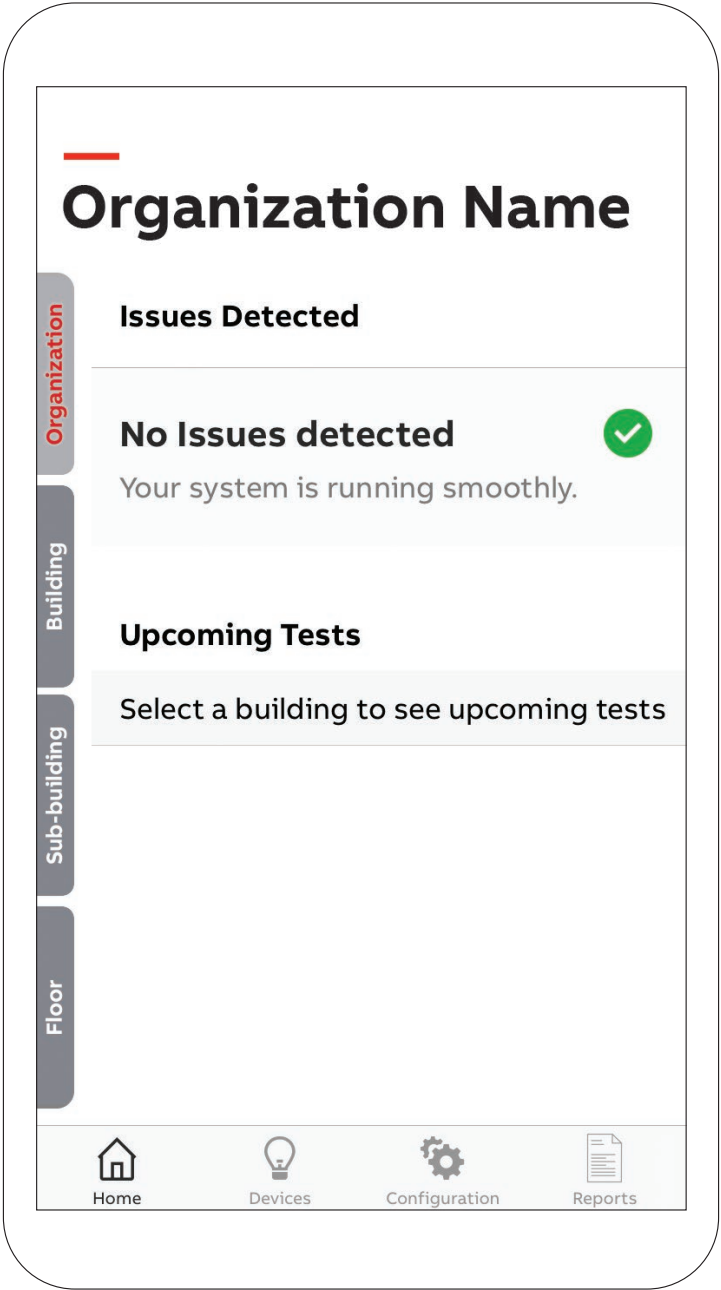
Repeat password*

Organization information

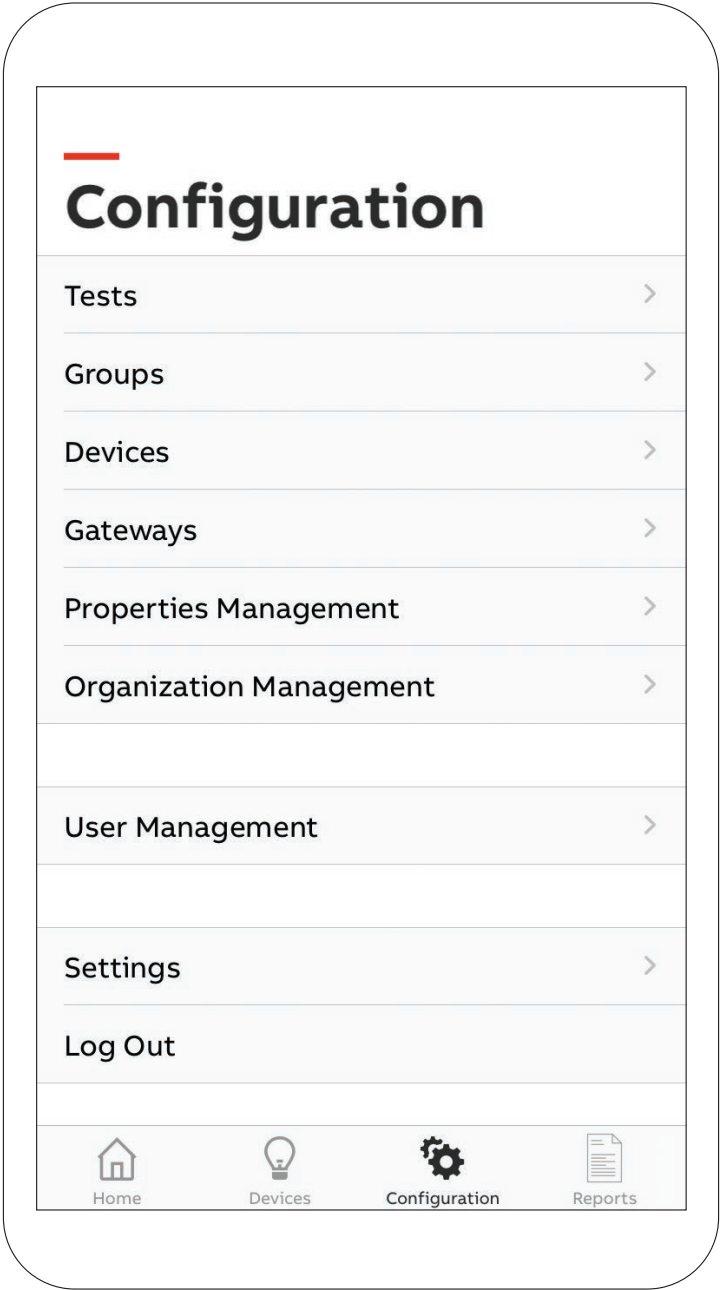
Name [Show organization](#)

Description

After logging in, you arrive on the Home page. Here, the defective units are displayed at the top, followed by the upcoming tests for the selected building. On the left, there is a tab slider that allows you to select a specific building or floor. At the bottom of the screen is the main tab menu consisting of Home, Device, Configuration and Reports page.

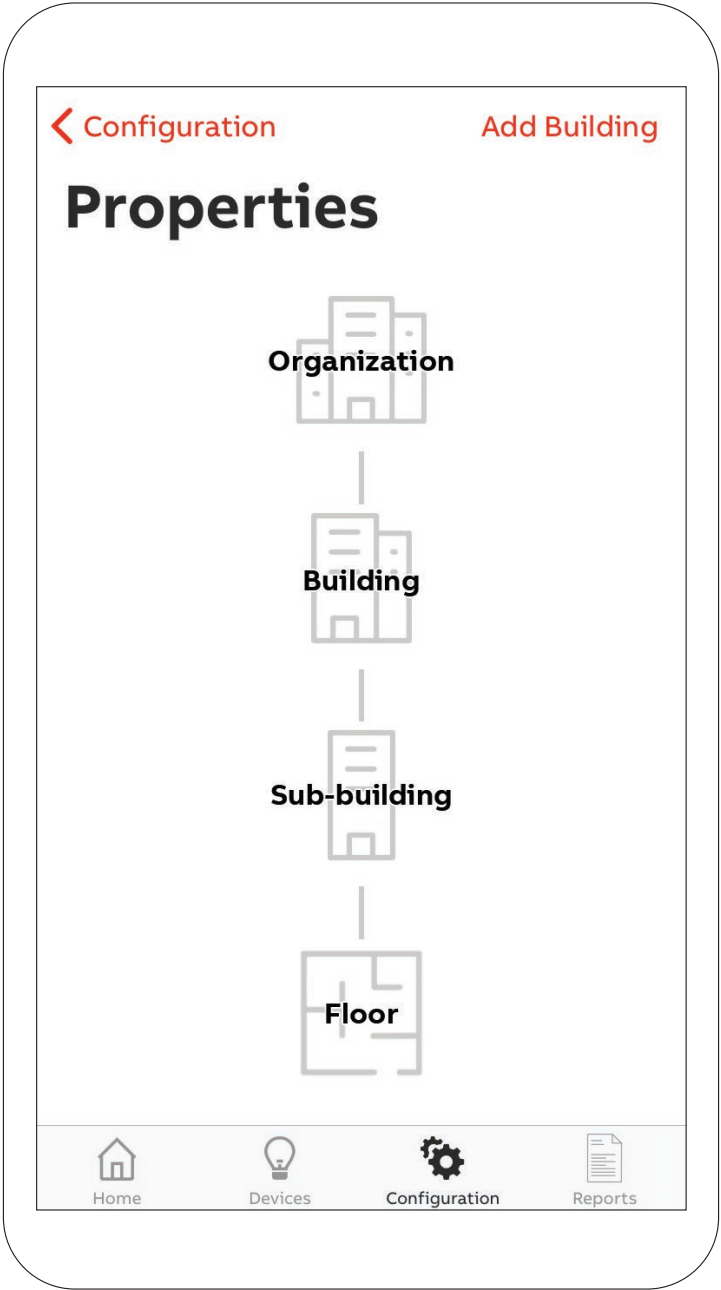


The third tab is for the Configuration. All the commissioning will be completed from this page.



Configuring the buildings of the organization

From the Configuration tab, select the Properties Management button. To add a new building, click on Add Building.



Fill the inputs to add under the organization.

<

Properties

Save

Building To Add

Name

Enter Name (required, 20 characters max.)

Description

Enter Description

Address

Enter Address (required)

City

Enter City (required)

Region

Enter Region (required)

ZIP

Enter ZIP (required)

Country

Enter Country (required)

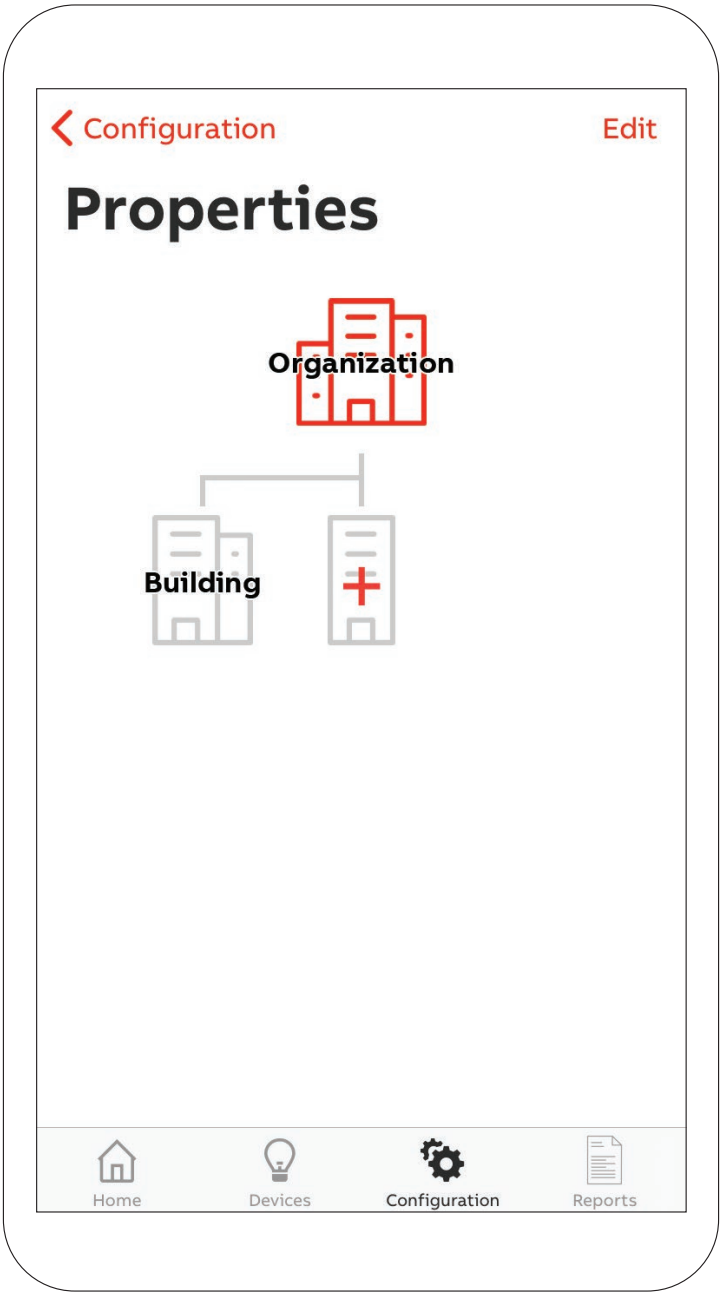
Home

Devices

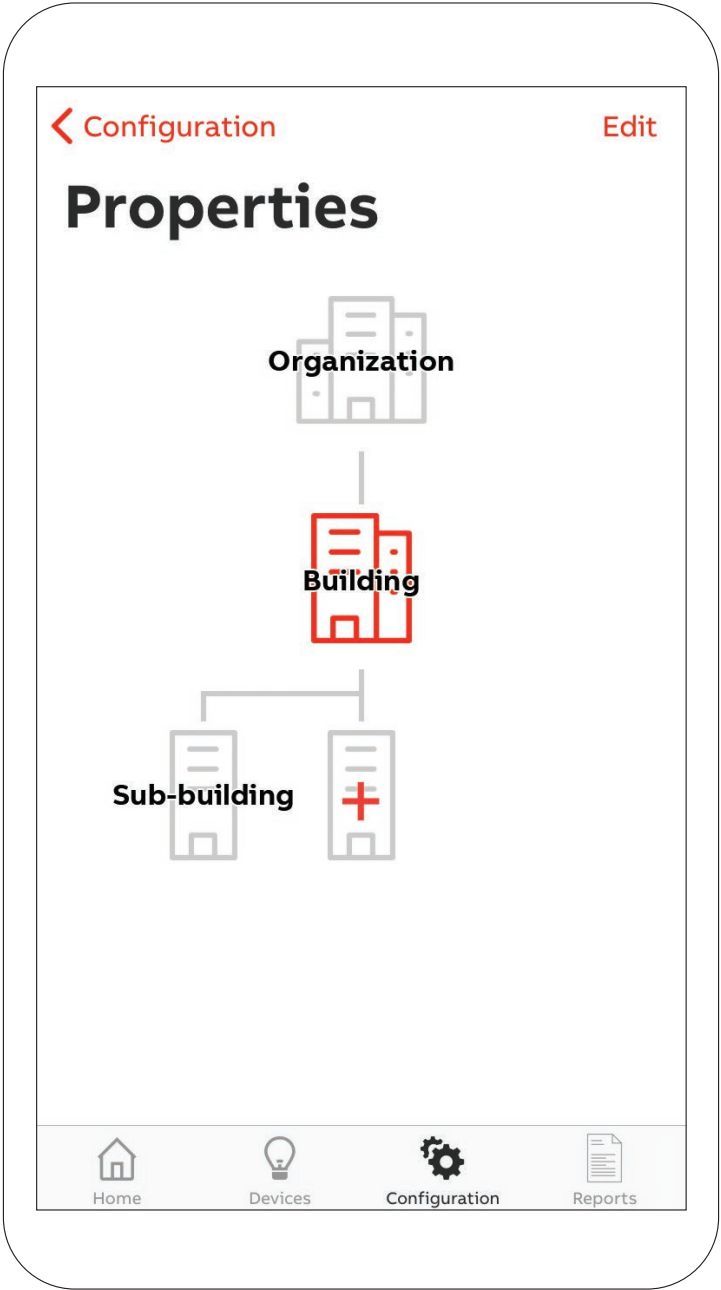
Configuration

Reports

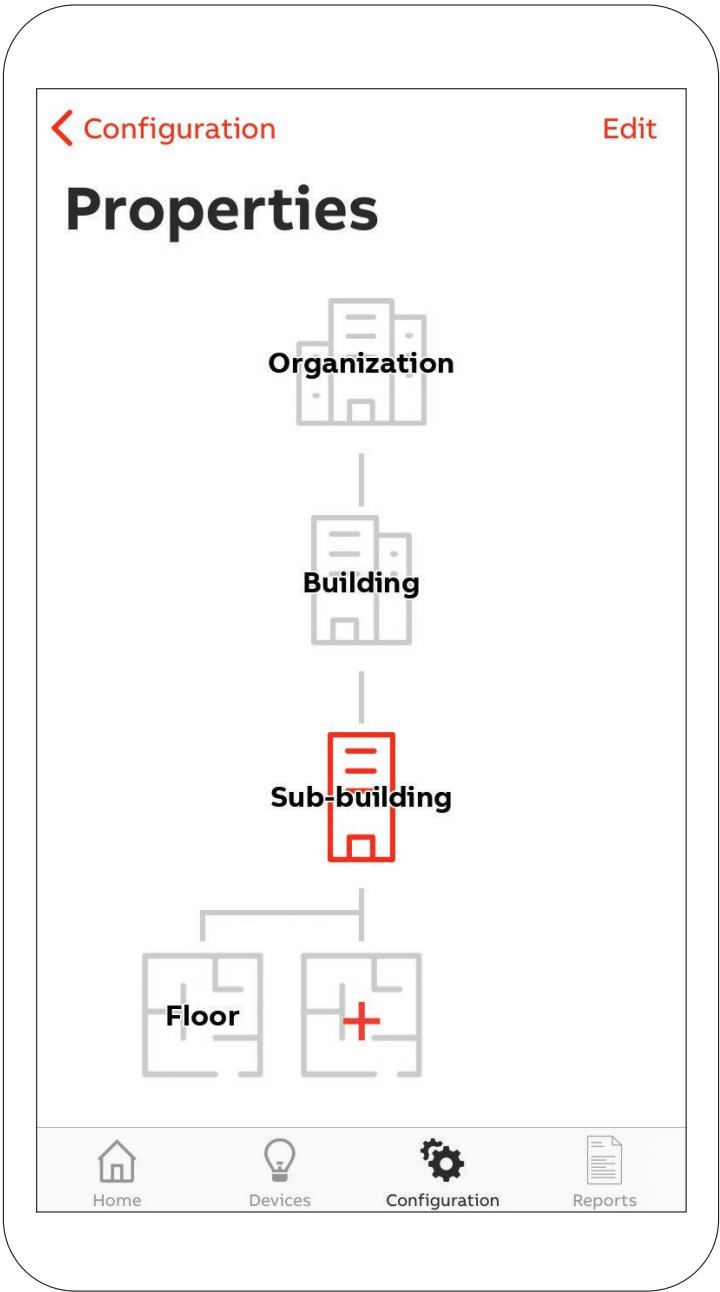
To add a new top level above the organization, click on Add Property.



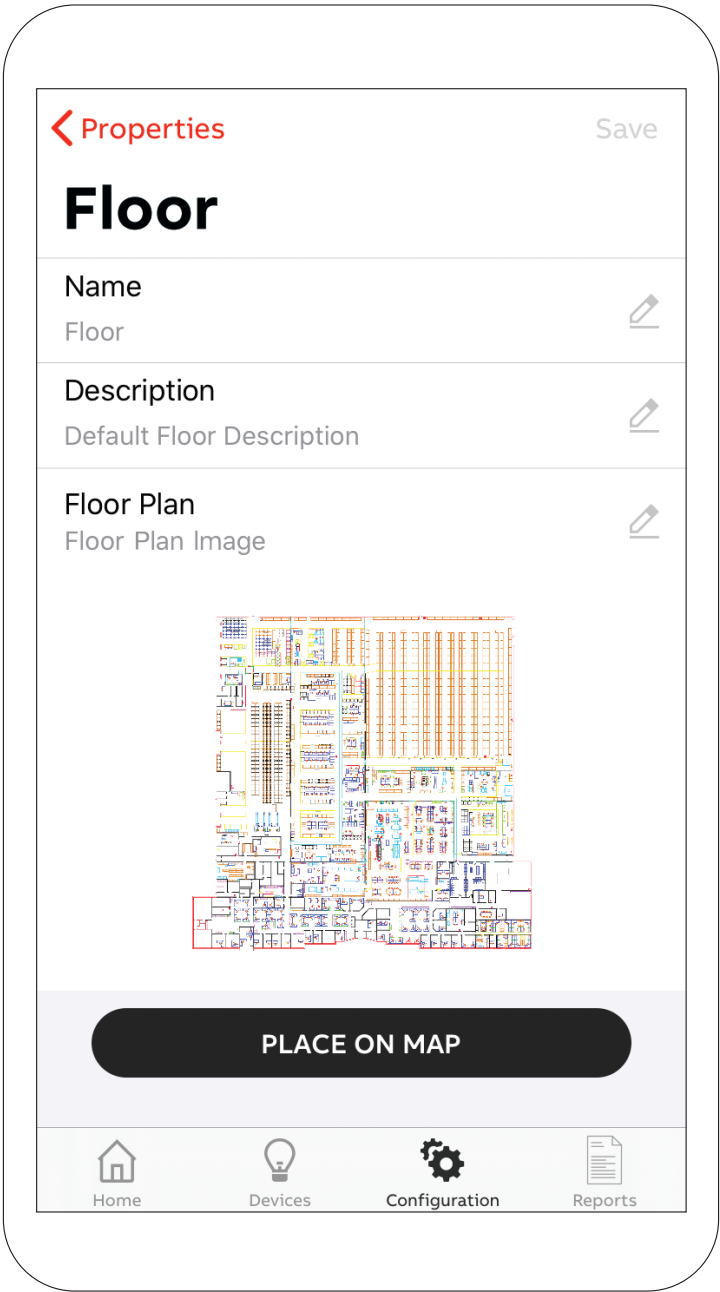
To add a new floor, click on the building level, and click on the plus sign (+).



When selecting different layers, multiple options are available. The floor level has more options than the other levels.



When you need to edit a floor, the following page opens. Here, you can upload a .png of the floor plan of the building.



Convert a file to PNG format

From your desktop to your smart device

Take an image of your floor plan and upload it onto your computer. Open the image, click File > Save As. Make sure you have PNG selected from the drop-down list of formats, and then click "Save."

From here your files can be sent to your phone via file transfers, email, iCloud, Google Drive, Dropbox or any storage device that connects your computer to your phone.

CAD file

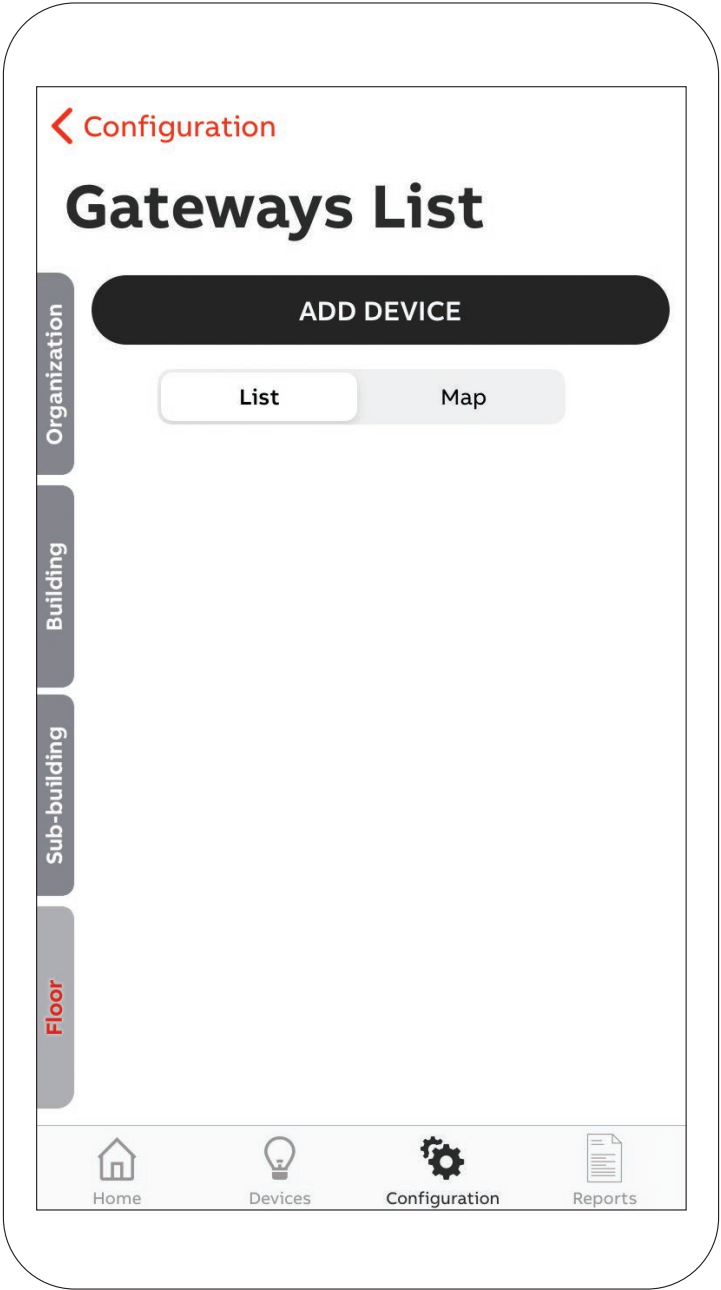
Open the CAD file, click File > Export. Make sure you have PNG selected from the drop-down list of formats, and then click "Save."

Your files can be sent to your phone via file transfers, email, iCloud, Google Drive, Dropbox or any storage device that connects your computer to your phone.

Now, you will be able to add the image as your floor plan.

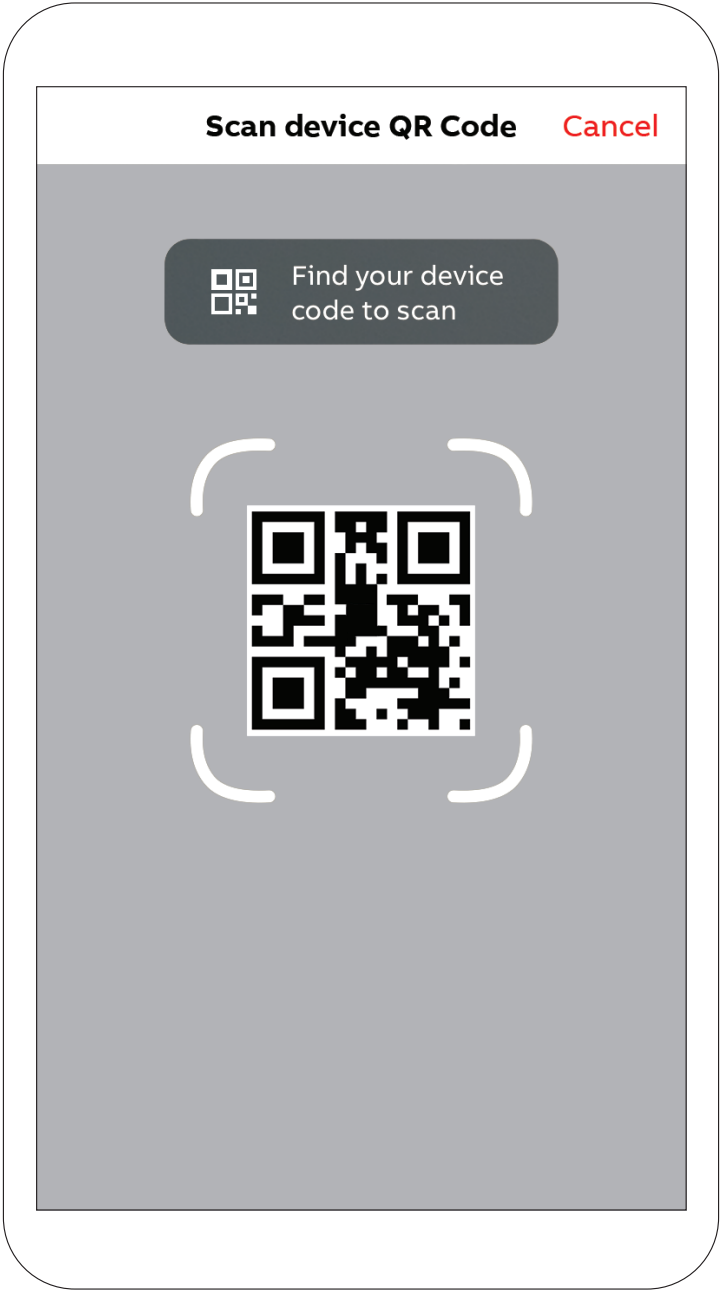
Adding a Gateway to the system

From the Configuration page, you can access the Gateway page. From there, you can setup a new Nexus®Pro Gateway.

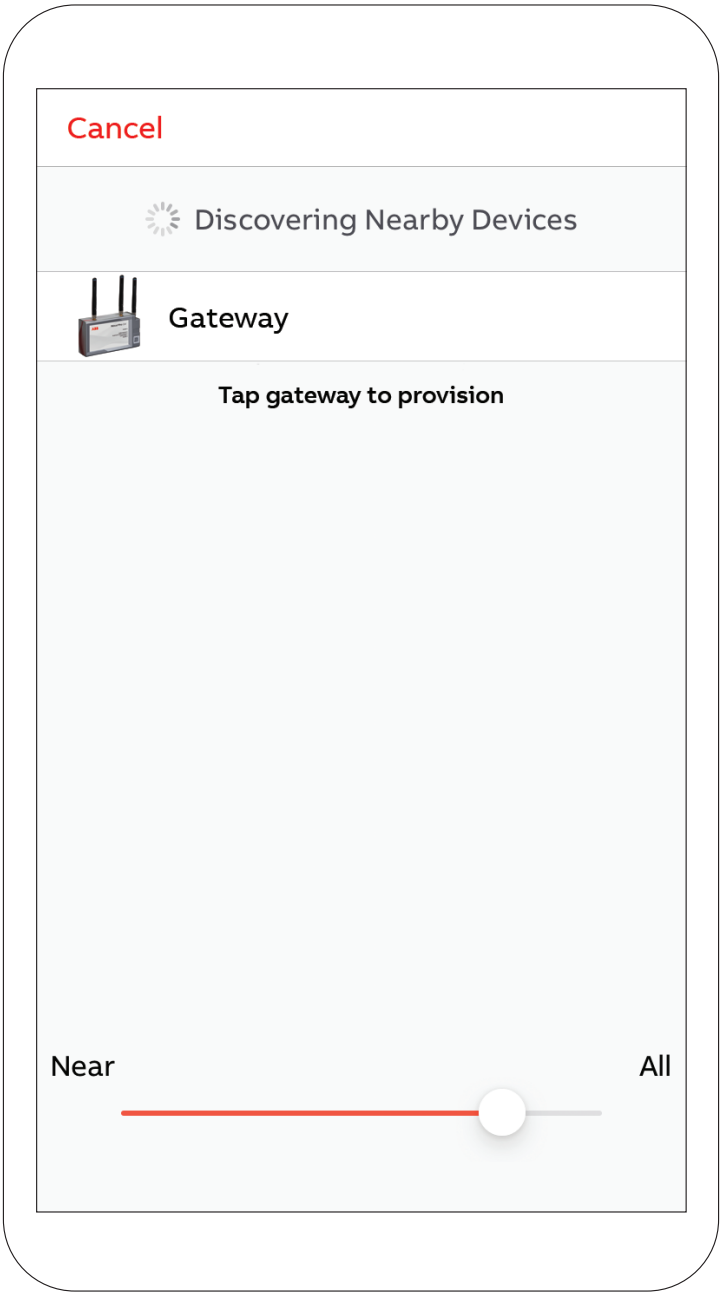


Once you press the Add Gateway button, your smart phone or tablet camera turns on and asks to scan the QR code located on the Gateway. Make sure the Gateway is plugged in.

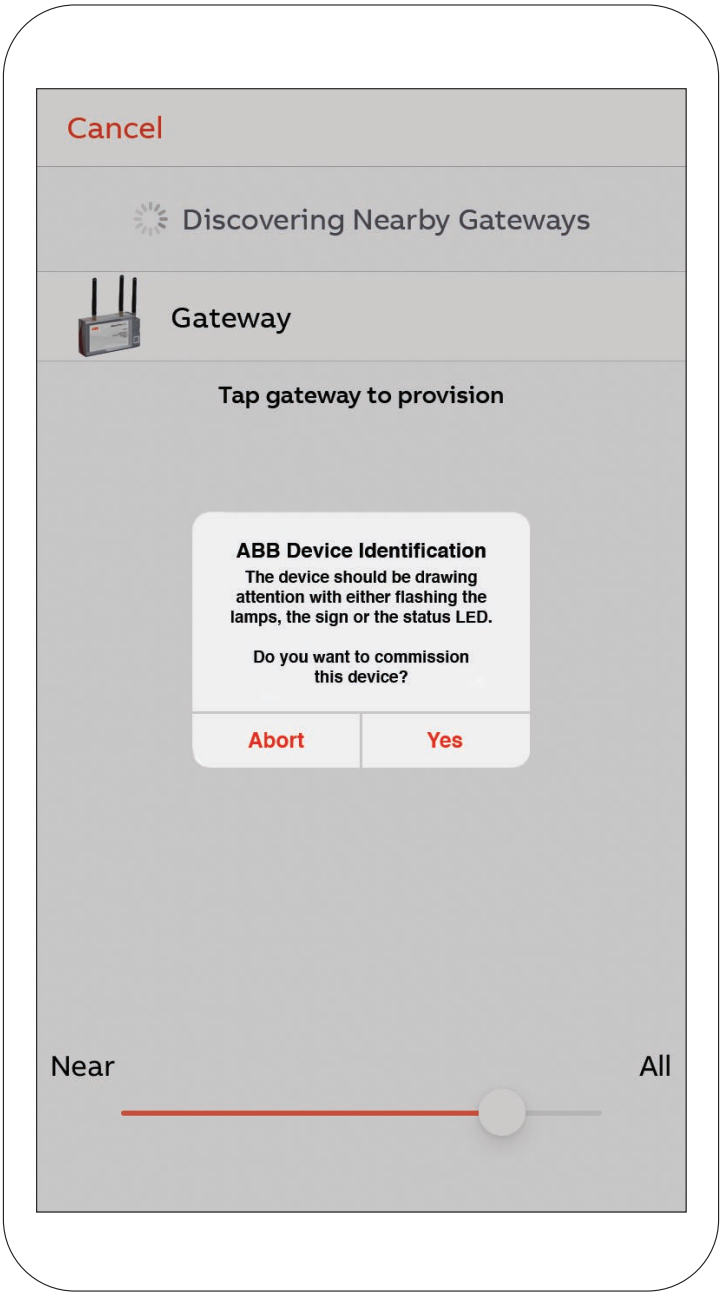




After scanning the QR code, a new page will open requiring you to select the Gateway to commission from a list of nearby Gateways.




After selecting a Gateway from the list, the LED's on the selected Gateway will start flashing and a pop-up will appear on the app requiring validation.



If a floor plan was loaded, the Gateway can be placed on a floor plan, otherwise the screen will transition directly to the Device Configuration page. A name and description can be given to that Gateway. It is also mandatory to enter the login user password, to enable cloud access.

Cancel

Device configuration



Located in

COMMISSION

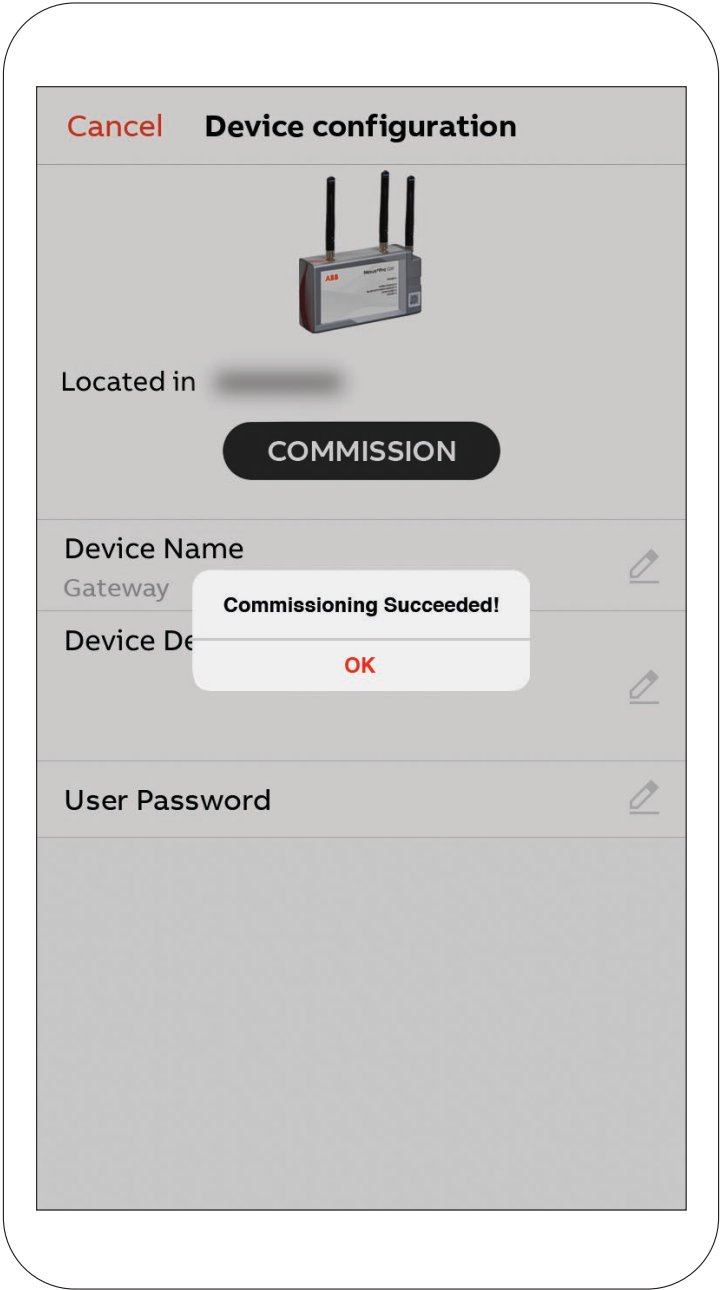
Device Name

Gateway

Device Description

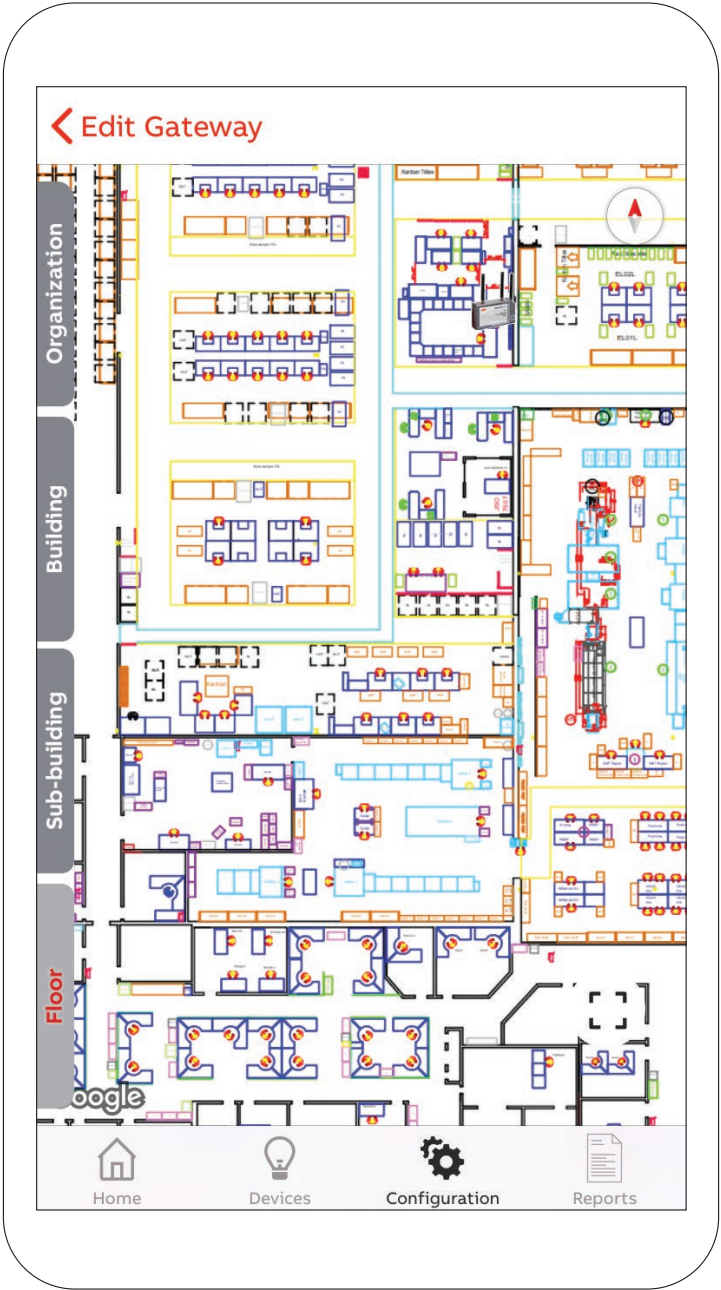
User Password

After filling the page and pressing the Commission button, the iOS device will send the proper configuration to the Gateway. During this step, it is important to stay within the vicinity of the Gateway. Once the following pop-up appears, the configuration is completed.

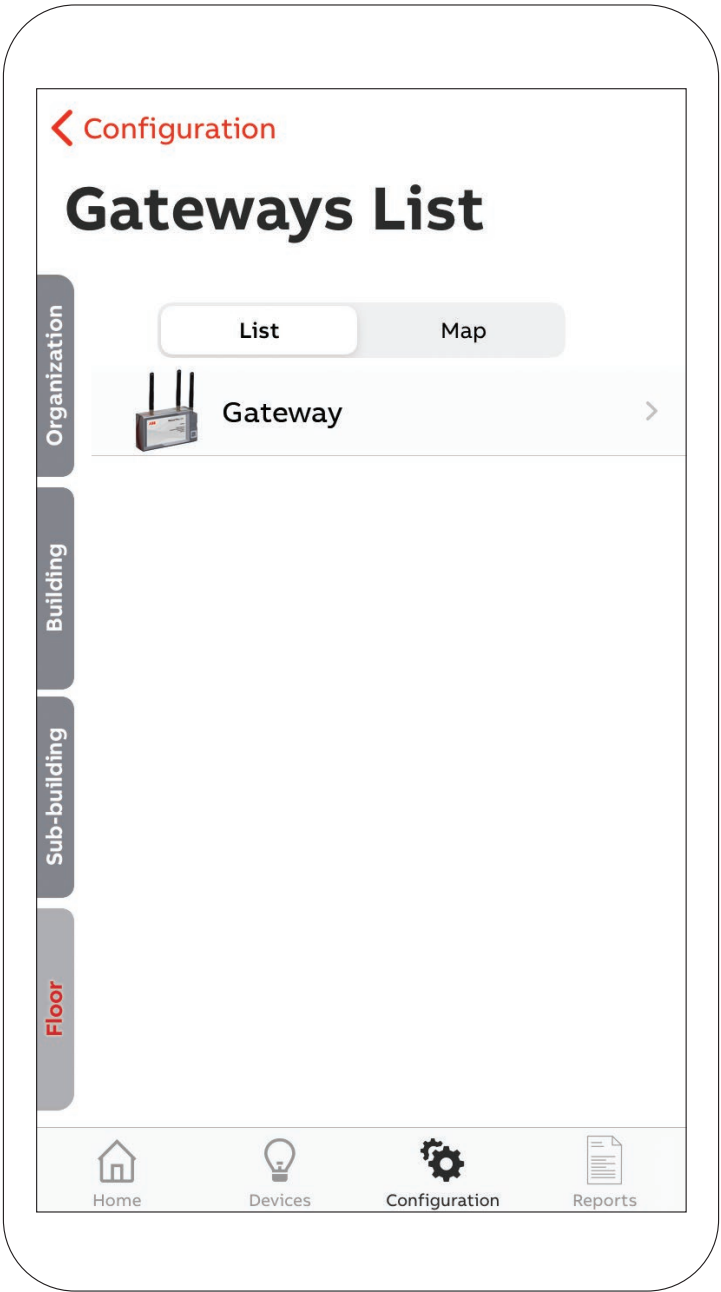


Then, the screen will automatically open the floor plan, that was set during the “Configuring the buildings of the organization” step.

An image of the Gateway will appear on the map. By clicking on the map, the image of the device can be dragged and dropped to set the location of the Gateway on the floor plan.

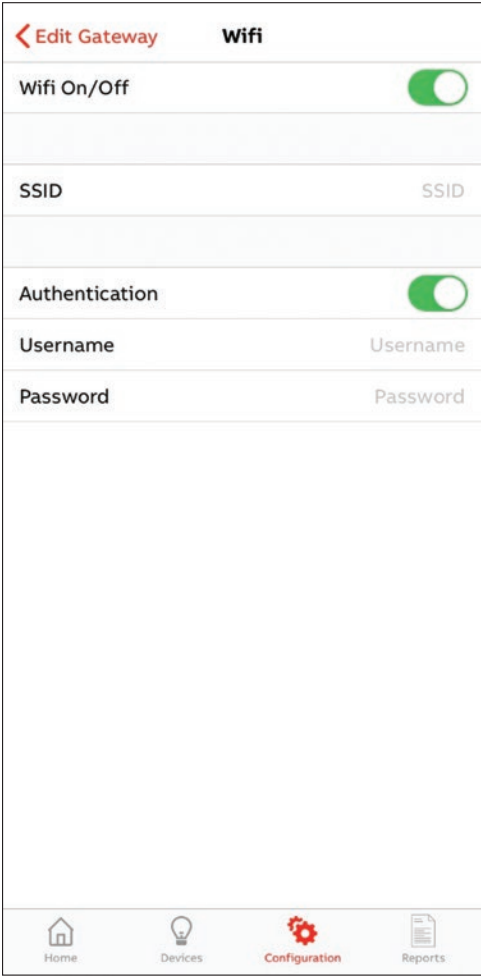
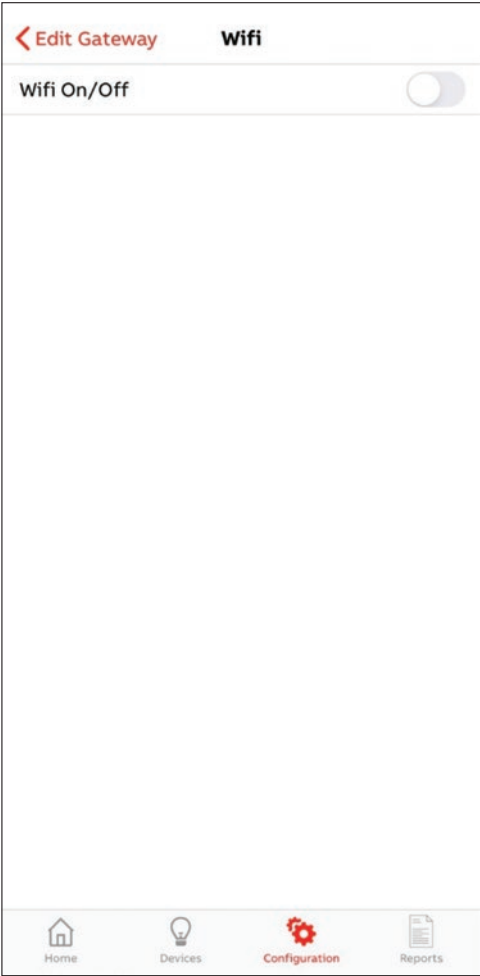


After confirming the location, the screen will come back to the Gateways List page and the new Gateway will be listed there from now on.



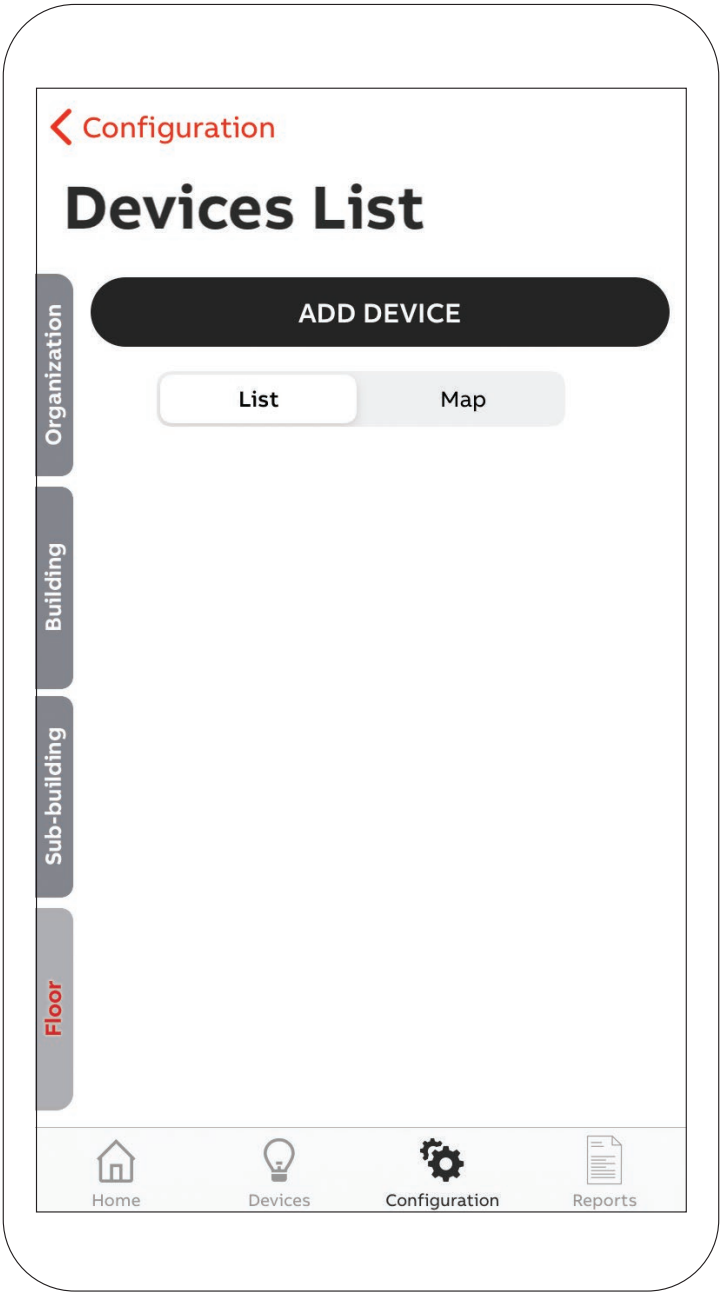
Activating Wi-Fi for communication with a router without hardwire connection

Activate Wi-Fi capability in the Gateway to communicate to your router for network connectivity rather than hardwired connection. From the Configuration page, select your Gateway to make edits.

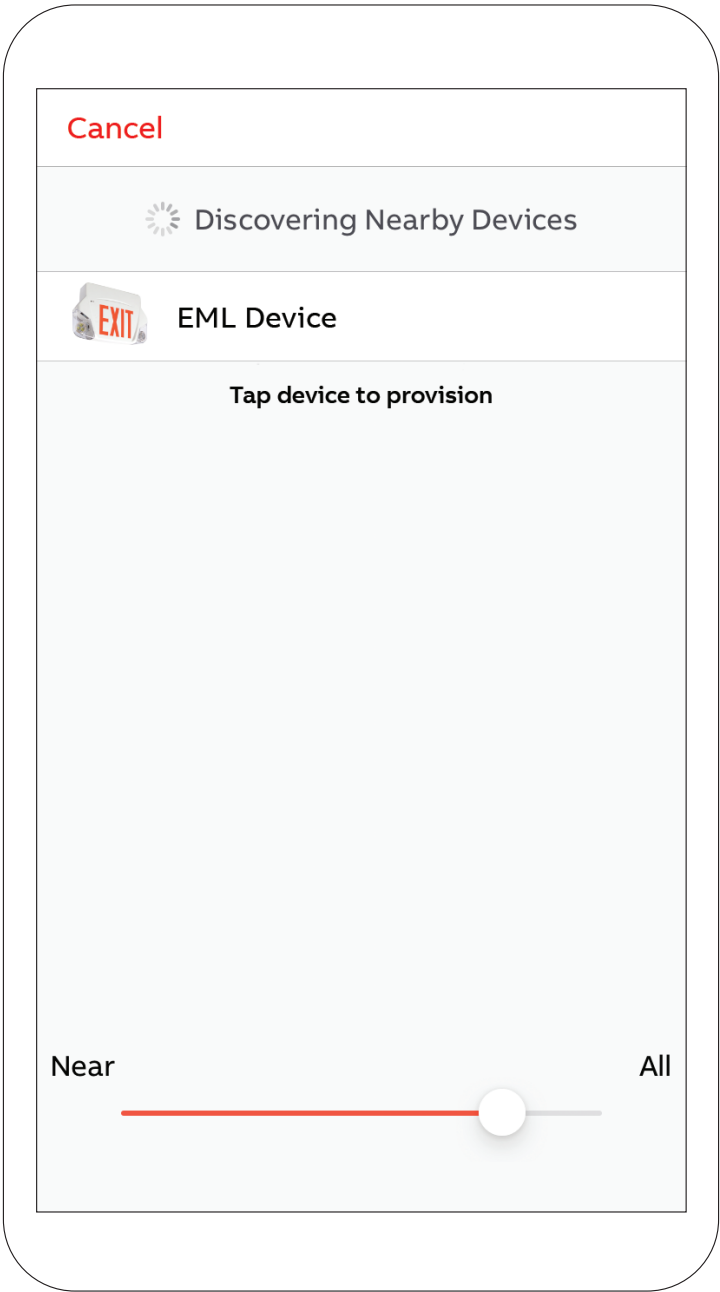


Adding a device to the system

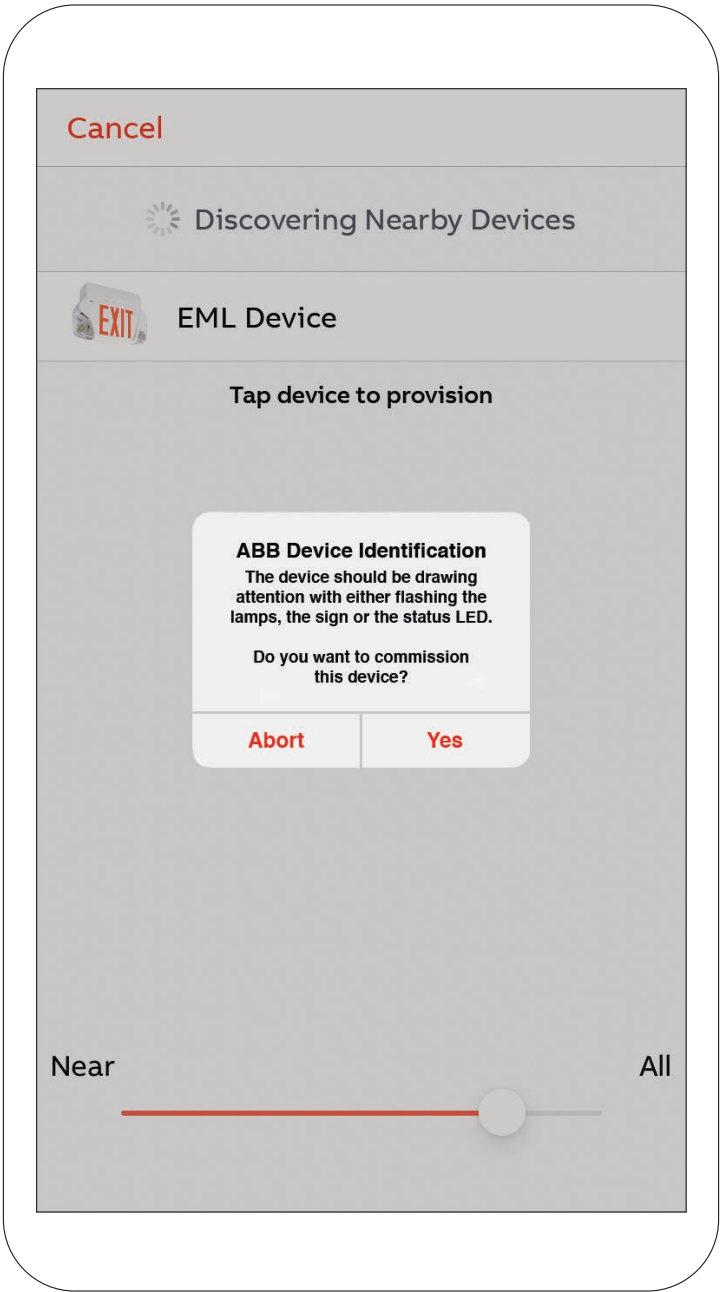
From the Configuration page, you can add new Nexus®Pro devices from the Device page.



A new page will open asking to select the device to commission from a list of nearby devices.




After selecting the device from the list, it should start flashing or turn on. A pop-up will appear in the app asking for confirmation.



After confirming, if a floor plan was loaded, the device can be placed on a floor plan, otherwise the screen will transition directly to the Device Configuration page. A name, description and test group can be given to that device. These can also be changed later.

Cancel

Device configuration



Located in

COMMISSION

Device Name

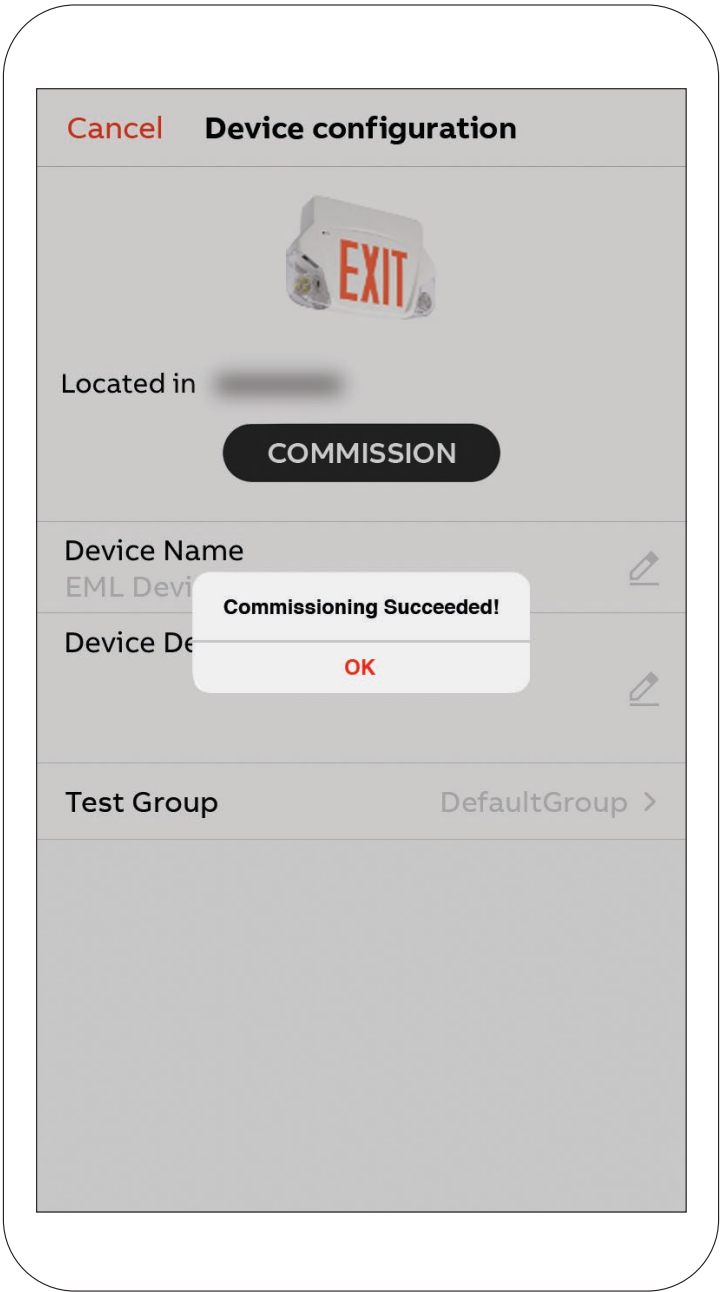
EML Device

Device Description

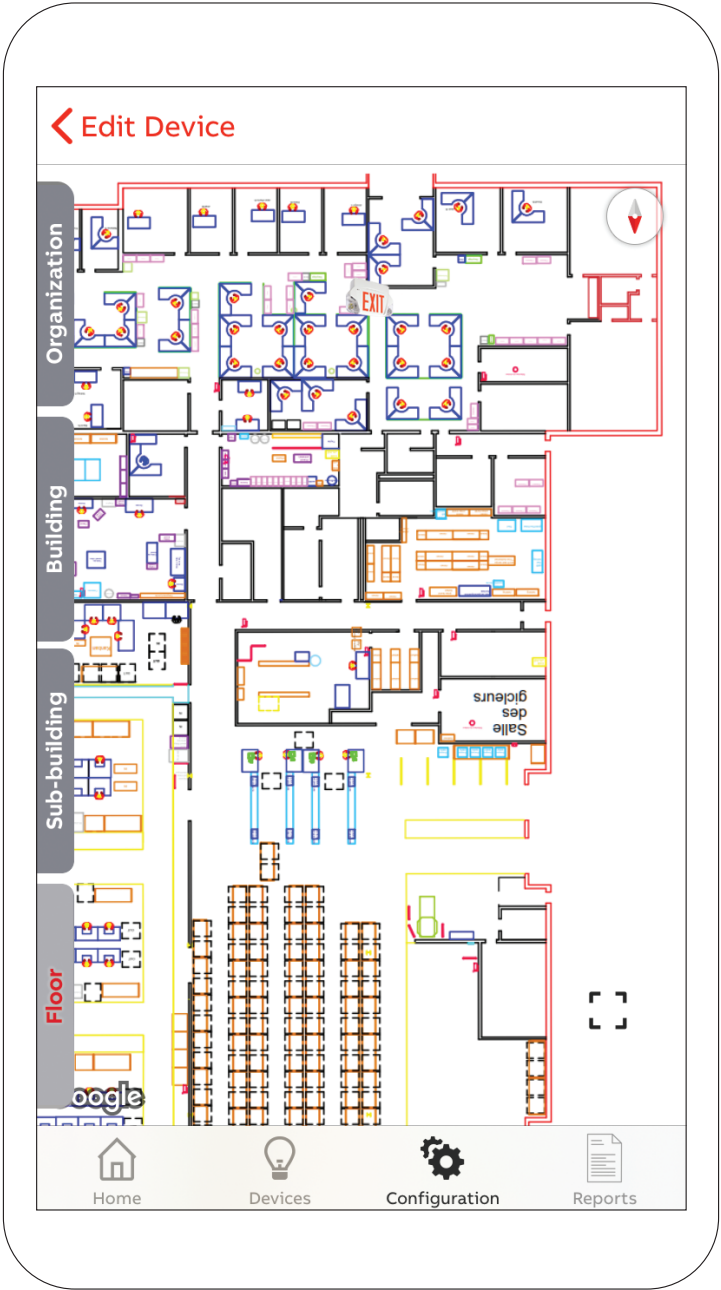
Test Group

DefaultGroup >

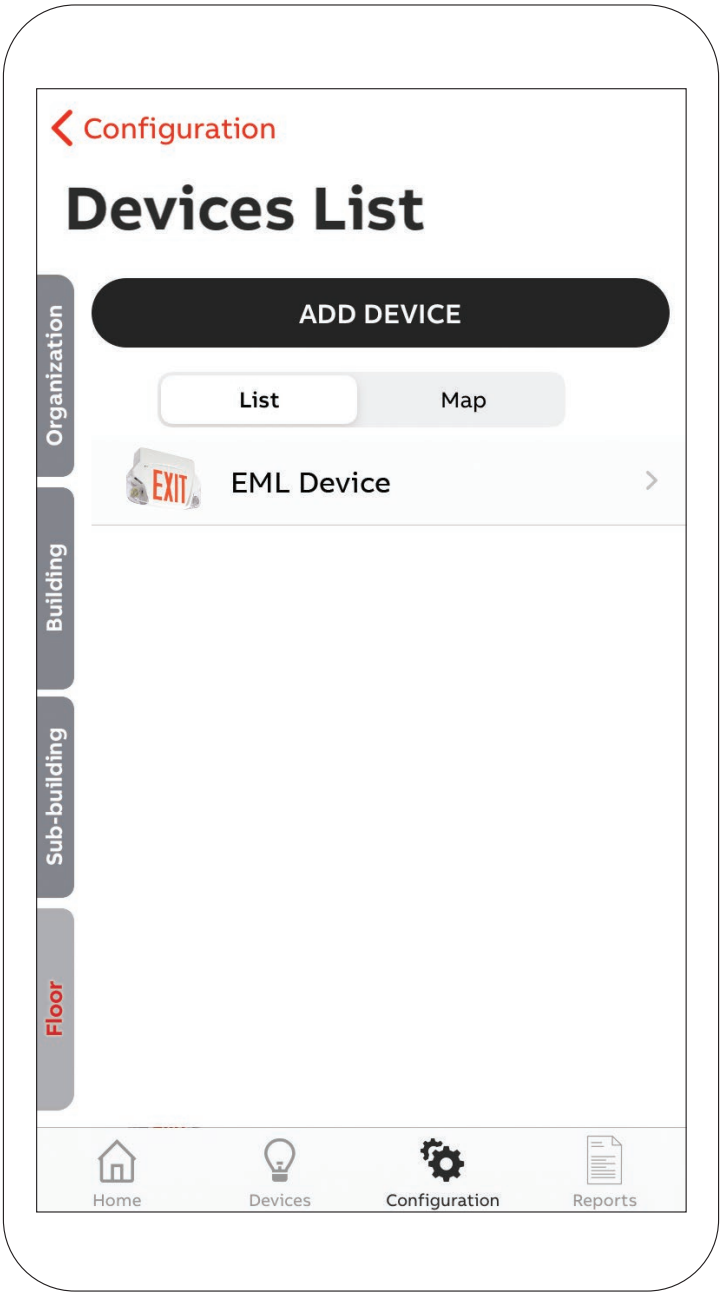
When you have completed filling in the information, press the Commission button. The iOS device will send the proper configuration to the unit. During this step, it is important to stay within the vicinity of the unit. Once the following pop-up appears, the configuration is completed.



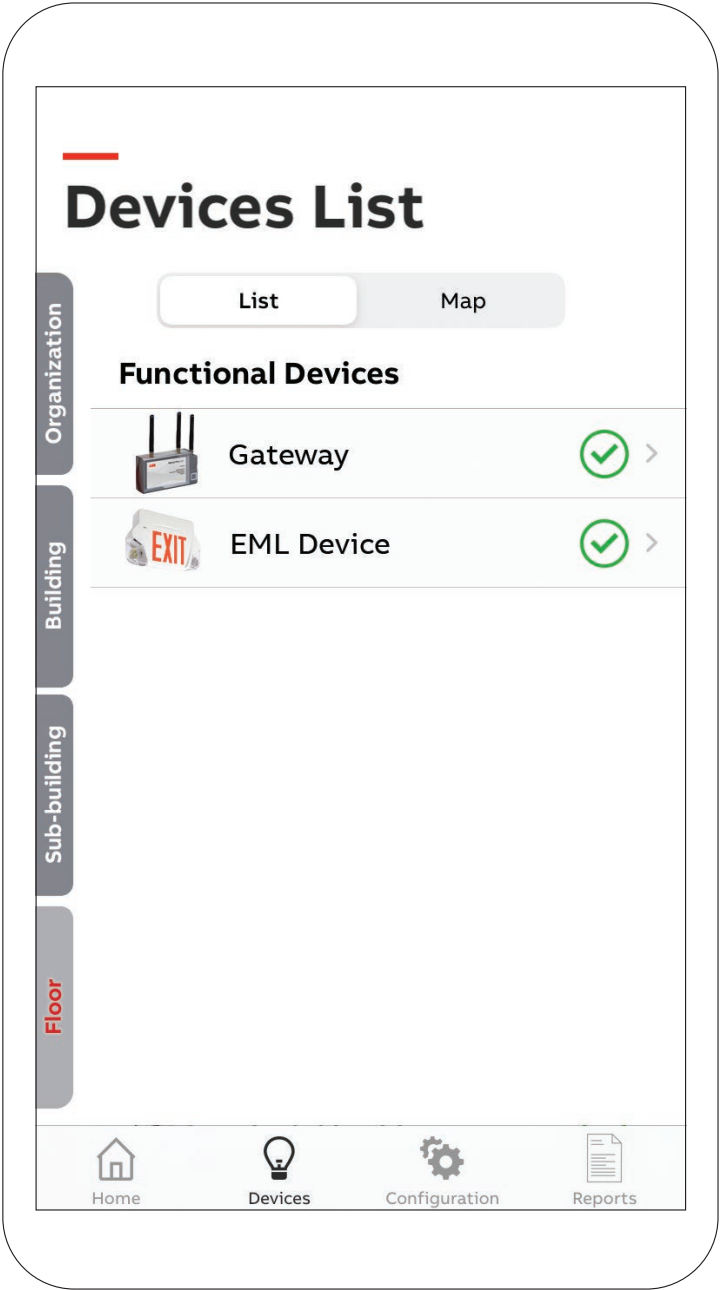
After pressing OK, the screen will open the floor map you set at the “Configuring the buildings of the organization” step. An image of the device will appear on the map. By clicking on the map, the image of the device can be dragged and dropped to set the location of the device on the floor plan.



The screen will come back to the Devices List page and the new unit will be listed there from now on.

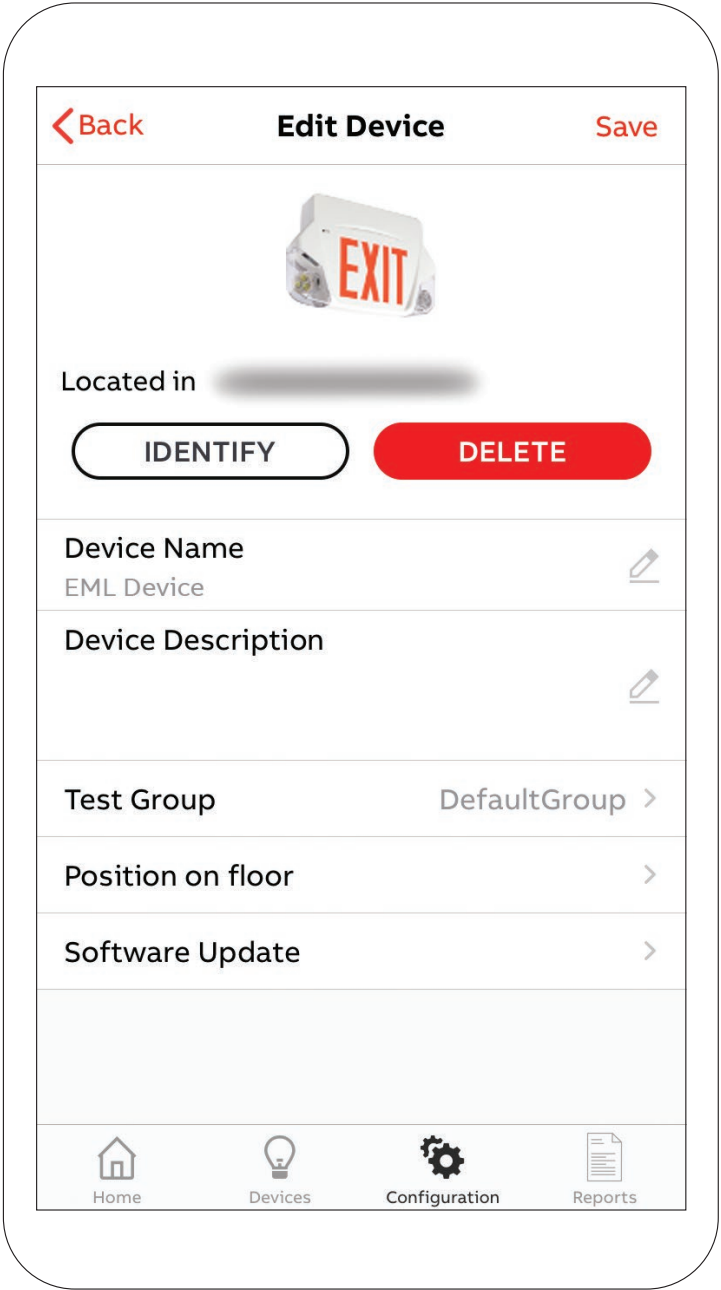


After commissioning all the devices in the system, using the second tab at the bottom of the screen, you will see all the commissioned devices that are listed with their corresponding status.

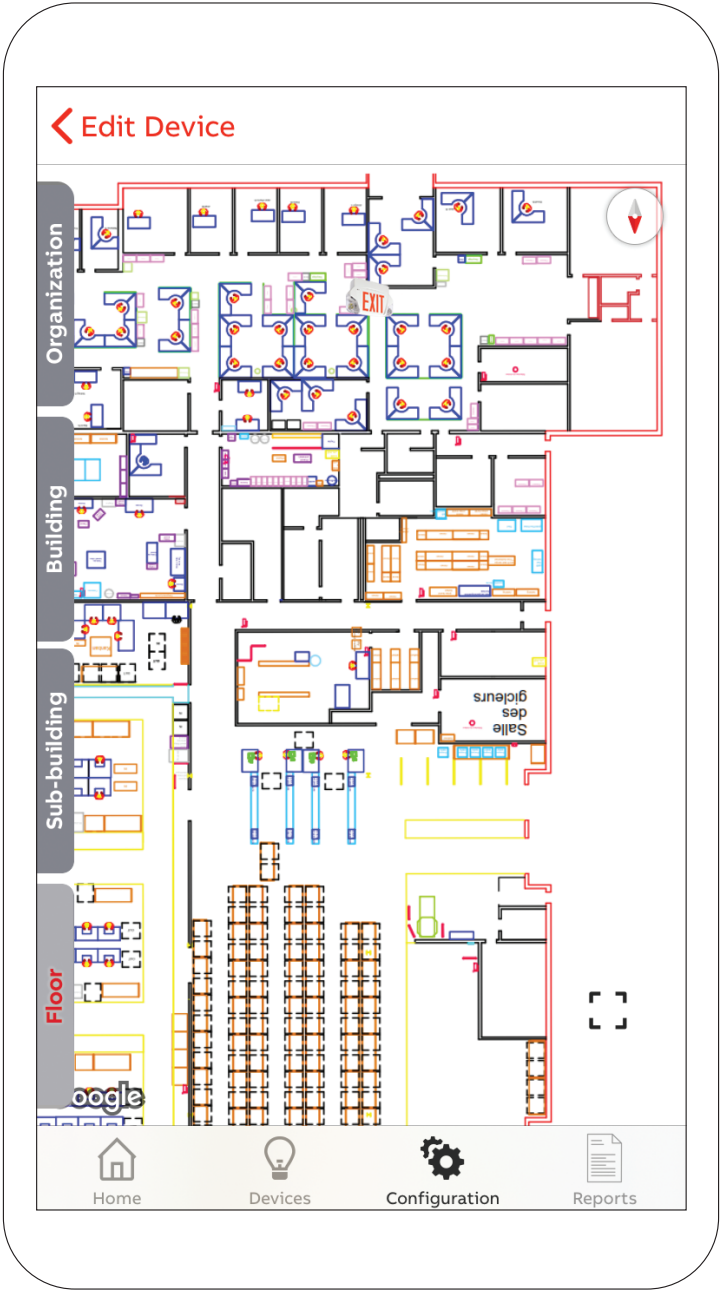


Add or move a device or Gateway on the floor map

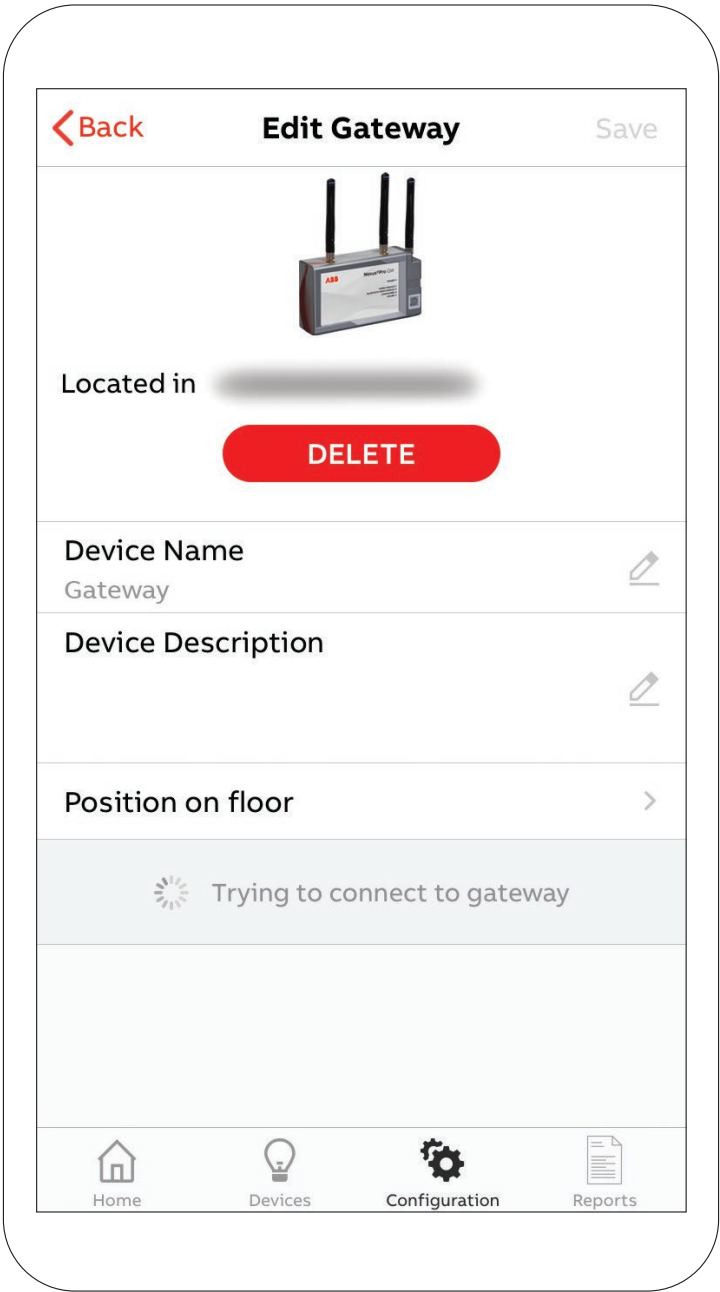
From the Configuration page, access the Devices page. Choose the device you want to add or move on the floor plan. Click on the position on floor option.



Drag and drop the device where you want to position the device on the floor plan. Once you have decided on the device position, click on the Edit Device to go back to the previous page.



The same thing can be done for a Gateway. From the Configuration page, the Gateway page can be accessed. From this page, choose the Gateway you want to add or move on the floor map. Click on the position on floor option.



Click where you want to position the Gateway on the floor map. Once you have decided the position of the Gateway, click on the Edit Gateway to go back to the previous page.

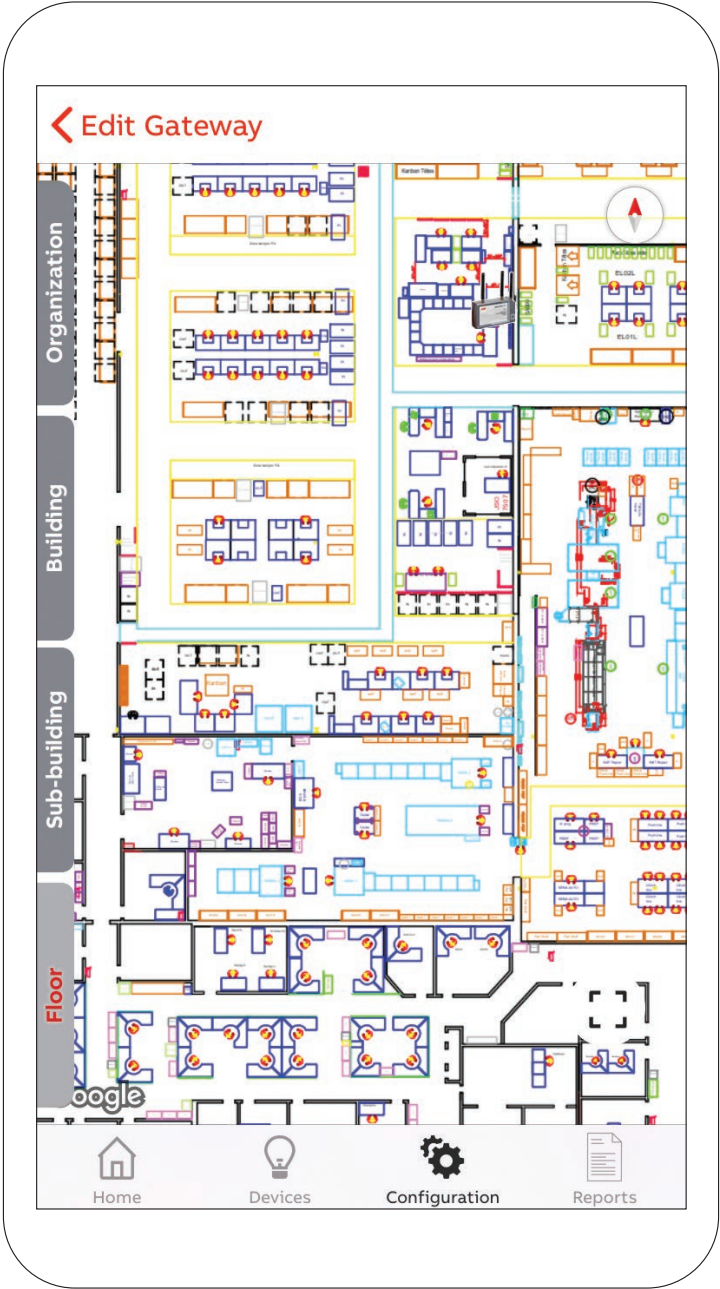




ABB Electrification Canada ULC

1811 boulevard Hymus
Dorval, Québec, Canada
H9P 1J5

Technical and customer support
1-800-435-7365

nexus-info@us.abb.com
www.nexus-system.com

It is the responsibility of the system owner to ensure that only qualified and trained personnel are allowed to install and maintain this equipment. It is also their responsibility to ensure that all applicable international and local electrical standards and regulations are followed and ensure that safe electrical working practices are followed.

© Copyright 2020 ABB. All rights reserved.
Specifications subject to change without notice.