Nobi Gateway

Installation & Onboarding Manual

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Thank you for choosing **Nobi**

This document provides the key information you need for a smooth installation process of the **Nobi Gateway.**

For onboarding guidance, visit:
https://tinyurl.com/2bet4zz3

For factory reset explanations, visit:
https://tinyurl.com/4nrmfppd

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Contact Nobi

General questions

Take a look at our frequently asked questions and answers:
https://docs.nobi.cloud/

Support

For technical support during installation, contact Nobi Support: **support@nobi.life**

Preparation

Contents:

BOX

- Nobi Gateway
- Micro USB cable
- 2 screws
- 2 wall anchors
- Antenna

- Paper template to drill holes

Required tools (not included):

- Pencil
- Power drill
- Ladder
- Spirit level
- Screwdriver
- Mobile device (for onboarding purposes)
- Ethernet cable (Cat5e/Cat6) with RJ45 connector (up to five Gateways can be PoE-cascaded on one line)
- PoE switch/PoE injector (802.3 af) or 5V/1A Micro USB Power adapter (if no PoE available)

Estimated time:

- Installing the Nobi Gateway - 20 minutes
- Onboarding - 10 minutes

Before you begin:

- Read all safety precautions before starting the installation.
- The use of this manual is restricted to Nobi Customer Services, authorized Nobi resellers, and technically trained individuals who have received official Nobi installation training.
- Installation of the Nobi Gateway can be completed before the Nobi Light is installed.
- BLE should be enabled on the mobile device.
- A site-level manager is required to complete onboarding in the Nobi app.

Installing the Nobi Gateway

Pre-installation

1 Plan **coverage** for the Nobi Gateways. As a rule of thumb, use the same number of Gateways as Wi-Fi access points. Plan coverage per floor, and never share a Gateway across multiple floors without validating coverage. An evacuation plan can serve as a floor plan reference.

2 Create a **housing unit with room type Common area.** Gateways require their own common area housing unit type, separate from the one used for the Nobi Lights. These two device types cannot be combined in a single housing unit.

3 **Power and communication must be guaranteed during low-power or backup conditions.** Gateways, the on-premises server, and the network (including WIFI access points) must all be backed up for the same duration, as the shortest runtime in the chain defines the actual coverage. Wired Ethernet is preferred, as it removes powered components from that chain.

4 **Network prerequisites:**

- Wi-Fi is 2.4 GHz only
- Firewall must allow MQTT port 8883 (TLS)
- DHCP (static IP is not supported in the Nobi scope)

Installation of the Nobi Gateway

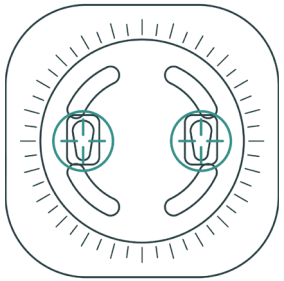
1 The Nobi Gateway can be mounted on the wall or hung on the ceiling. **According to the coverage plan, choose a mounting location that is:**

- close to the Ethernet cable run
- away from large metal objects that block Bluetooth
- reachable for later servicing (reset button, power button)

2 **Route the Ethernet cable** from the PoE switch to the mounting location before fixing the Gateway.

Alternative if no PoE: Confirm that a power socket is nearby when using the Micro-USB adapter with Wi-Fi.

3 **Mark the drill holes** on the wall or ceiling. Hold the paper template against the surface and mark through the two keyhole mounting slots with a pencil. Use a spirit level for a straight result.

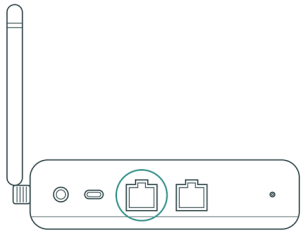


4 **Drill the holes** with a drill bit suited to the surface.

5 **Insert the wall anchors and screws,** leaving the screw heads protruding approximately 1/4 inch (6 mm) so that the keyhole slots on the Nobi Gateway can slide over them.

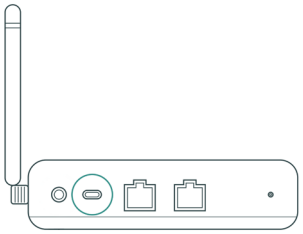
6 **Screw the antenna on** the Nobi Gateway. This is required for the BLE connection with the Nobi devices.

7 **First connect the cables** to the Nobi Gateway. Connect the Ethernet cable to the PoE IN port.



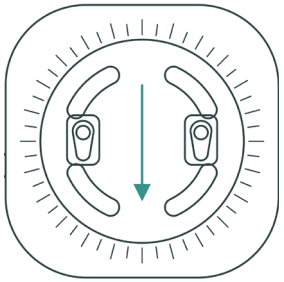
If you have multiple Gateways, cascading is possible with up to five Gateways per line. Use another Ethernet cable to run from PoE OUT to the PoE IN of the next Gateway.

Alternative if no PoE: Connect the micro-USB power cable to the micro-USB port and the USB adapter.

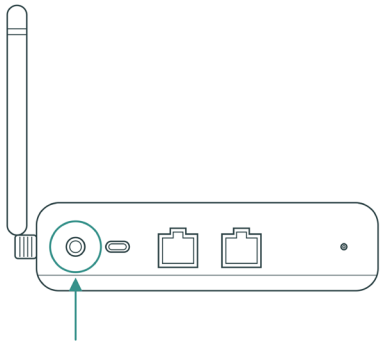


Installation of the Nobi Gateway

8 **Hang the Gateway** on the screw heads via the keyhole slots and slide it into the locked position.



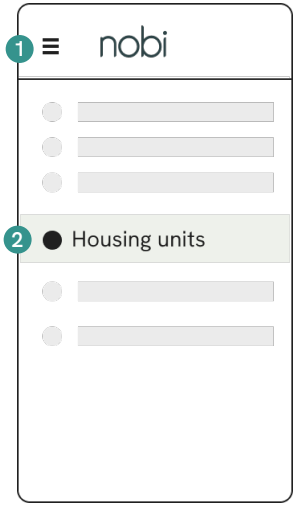
9 Press the **power button to ON.**



10 Check that the **power LED turns solid green.** The Nobi Gateway enters configuration mode (two LEDs alternatively flashing blue/green) afterwards to continue the onboarding process.

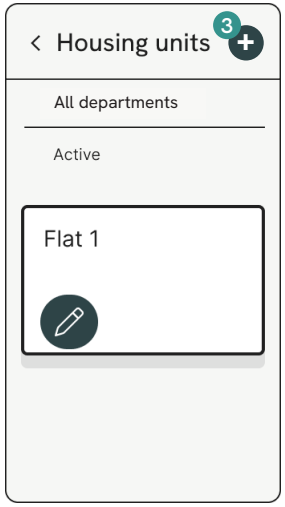
11 **Tidy the cables with clips or ties.**

Onboarding the Nobi Gateway

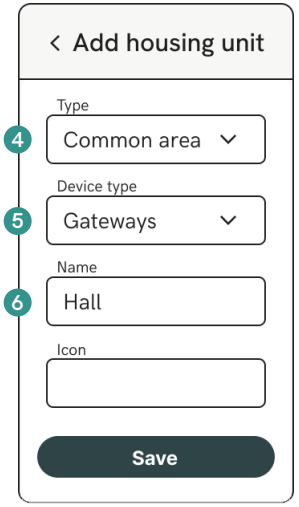


1 Open the **navigation menu** by clicking the 3 lines in the top-left corner.

2 Go to **Housing Units** in the navigation menu.



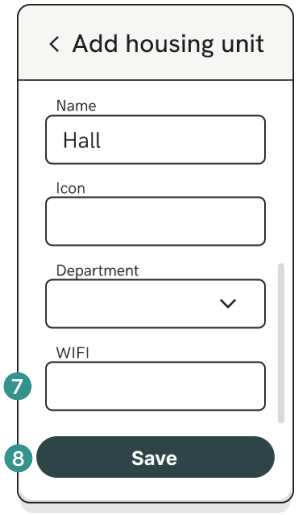
3 Click on the **+ sign** to add housing unit.



4 Select **Common area** as the housing unit type.

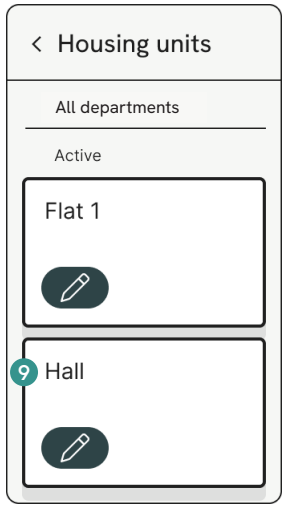
5 Choose **Gateways** as device type.

6 **Give a name** that allows you to locate the correct Gateway easily.



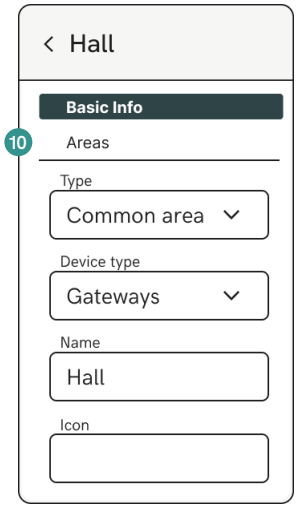
7 Choose the **department** and the **WIFI type** (only if different from department level).

8 **Save** the newly created housing unit.

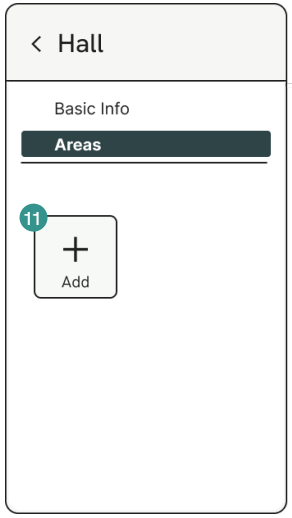


9 Click on the newly added **housing unit.**

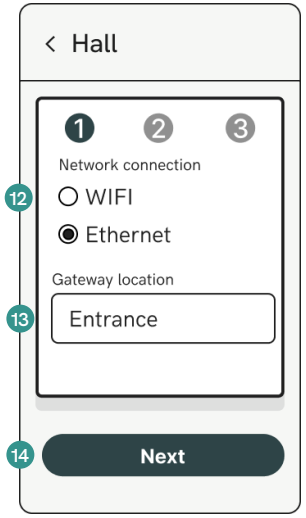
Onboarding the Nobi Gateway



10 Go to the **Areas tab.**



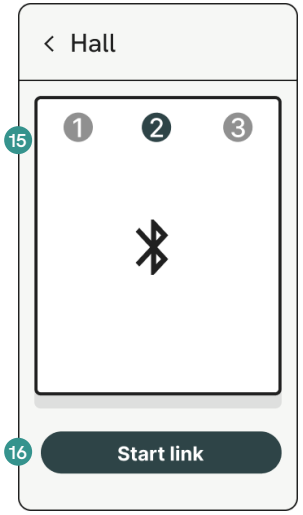
11 Click on the **Add button** to add a new area.



12 Choose the **Network Connection** (linked to the installation).

13 Give a **more specific location** for this Gateway (ex., Left side, end hallway).

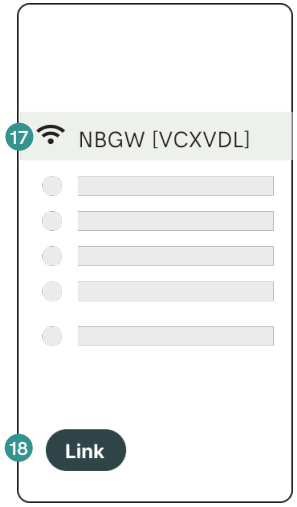
14 Click **Next.**



15 Make sure that:

- **Bluetooth** is enabled on your mobile device
- you are in the same room as the Gateway
- the Nobi Gateway is powered on and flashing blue and green.

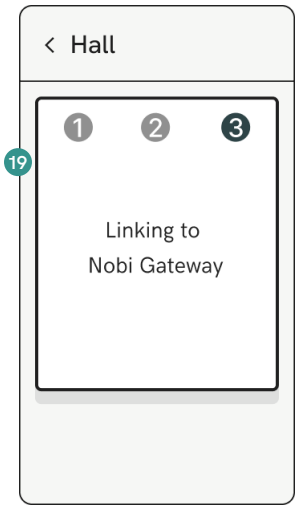
16 If all the above are met, click on the **Start link** button.



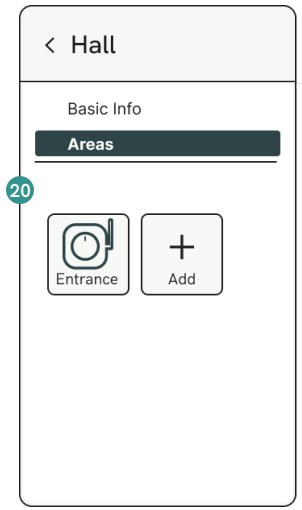
17 **Choose the correct Nobi Gateway** from the list of all available Nobi Gateways. Gateways with the strongest signal are shown first.

18 Click on the **Link** button.

Onboarding the Nobi Gateway



19 **The pairing will start automatically.**



20 At the end, you will receive confirmation that the Gateway is successfully paired.

To learn how to factory reset a Nobi Gateway, visit:
https://tinyurl.com/4nrmfppd

Warnings

Environmental conditions

- Atmospheric pressure: 9.6 to 15.4 psi (660 to 1060 hPa) and maximum of 6560 ft (2000 m) altitude
- Operating humidity: Maximum 95% RH (non-condensing)
- Operating temperature: -22 °F to 122 °F (-30 °C to 50 °C)

Certifications

- FCC (ID: 2AC7Z-ESP32WROOM32E2AC7Z-ESP32C3MINI)
- CE
- RoHS

Disposal message

Your product is designed and manufactured with high-quality materials and components, which can be recycled and reused. Please check your local regulations regarding the separate collection of electrical and electronic products. Please act according to your local rules and do not dispose of your old product with your normal household waste. The correct disposal of your old product will help prevent potential negative consequences for the environment and human health.