



INSTALLATION FILES

2025

Pre-installation

Sigrow Kit

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Sigrow Kit

Once you have received the package from Sigrow, please unpack it.
In the box you will find the following items:

Gateways



CNv5



Camera Manager

Sensors



The ordered models
of our products

Accessories

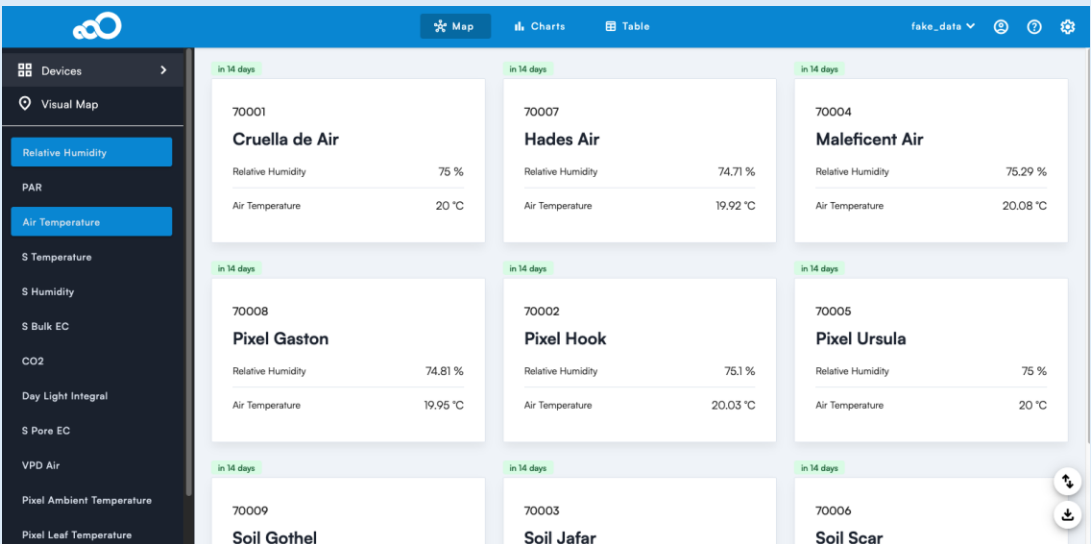


Charger



Tripod/Holder

Sigrow App



You have access to the data readings via [Sigrow Web App](#).
Your login credentials are shared in your order shipping email.

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The CNv5 is the gateway used by all the sensors.
It receives the data readings from your sensors and sends them to
the cloud via 2G/4G. No need to connect it to Wi-Fi.

The Camera Manager is a special gateway for the Stomata
Camera. It includes by default a CNv5. This can be used wirelessly
or with ethernet connection, for a higher frequency of data upload.

The CNv5 and the Camera Manager need to be plugged into
electricity.

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The sensors automatically take measurements, there is no need for activation or pairing.

The data readings are transmitted wirelessly (except for the Stomata Camera) to the central station via LoRa radio waves.

The sensors need to be placed as instructed in the “Installation” chapter.

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These are accessories for using sensors.

Some models, such as the Soil Mini, come with a **charger**.

The **holder** can be either magnetic or with a clamp, as indicated by the customer upon ordering. It is used to attach the sensors to a greenhouse pillar.

The **tripod** is used for potted and tray plants

Pre-installation

Connectivity




Pre-installation

Connectivity

Before placing your sensors in your facility, we recommend testing them for connectivity and configuration. If these 4 steps go well, configurations are correct and you can proceed with your installation.

1


Put the central station and sensors next to each other.




Sensor #1 Central station Sensor #2

2

Plug in your central station. The center will illuminate.




AND / OR



Central station Central station


3

Wait 15-60 minutes. The central station becomes blue.



15-60 minutes

→

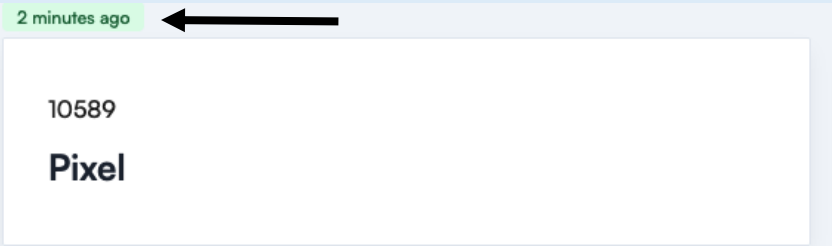


Central station with blue light

Contact support@sigrow.com if light does not change

4

Check in the app that the sensor readings have updated. In our app: Devices → Map → Top left corner, it should say “updated x minutes ago”.



Installation

Connectivity

Installation

Connectivity

Each installation site is different. Walls, doors, and the materials around them affect how radio signals are absorbed or reflected between the central station and sensors. This can reduce how far signals travel. Please follow these rules to ensure best connectivity

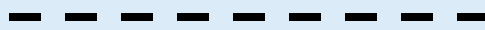
1

Place sensors within **300-500 meters** of the gateway



Sensor

Max 300-500m



Central station

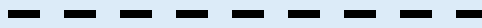
2

Keep the central station in **line of sight** of the sensors



Sensor

Direct line of sight



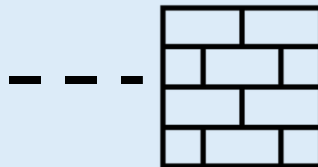
Central station



Wall obstructing signal



Sensor



Central station

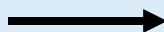


3

Position the central station **high up** to improve signal



Central station



Close to the ground



High up



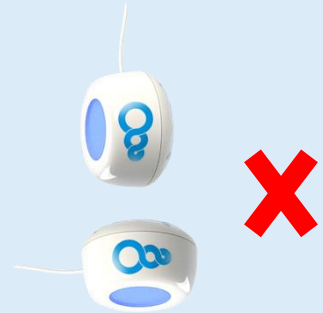
Installation

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4

Place the Central Station with the blue side up for maximum connectivity and range.



5

If your set-up includes an external antenna, position it either upwards (vertical) or horizontal. Not downwards

