

Quick start guide

Temperature and Humidity Parameter Meter Wireless IoT

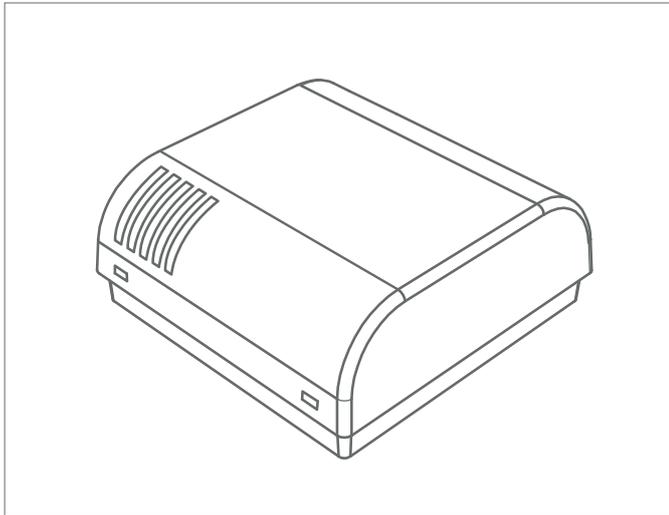


Via Zanella, 21 20851 - Lissone (MB) | +39 039 2432414 | info@nettrotter.io

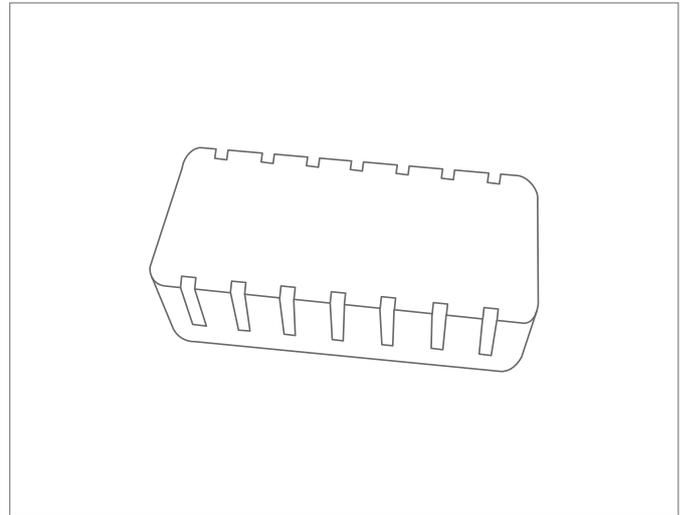
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The Ecco Freeze (master) solution with Minion (beacon) uses two devices for the detection of temperature and humidity parameters, and provides for the installation of the beacon inside the cold chamber for the detection of temperature and humidity parameters.



Freeze



Minion

1. Ecco Freeze battery connection

1. Open device

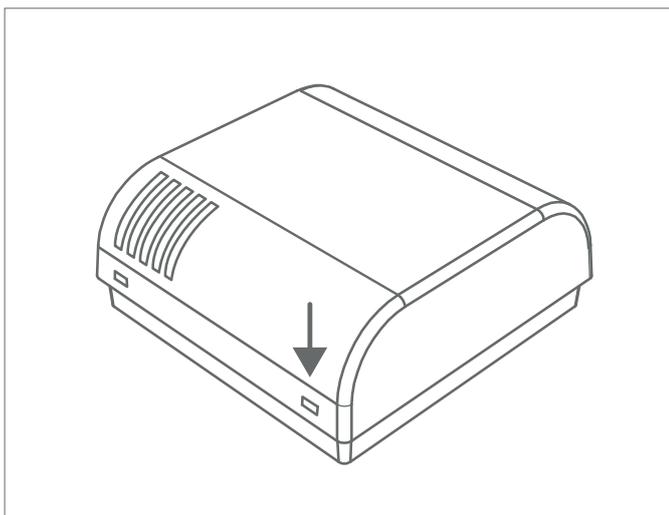


Fig. 1

2. Connect the battery

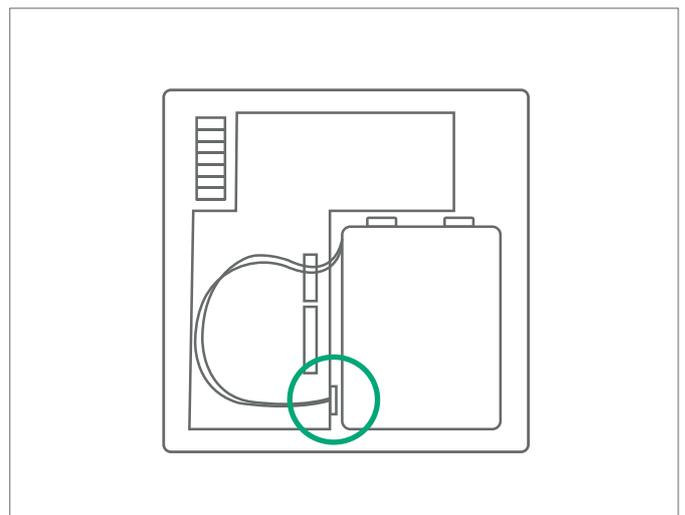


Fig. 2

2. Device positioning

The Minion (beacon) should be placed near the entrance of the cold room, on the roof of the cold room in the center of the door, or on one of the vertical sides of the door frame 10-15 cm from it .

The Minion transmits this information that the Freeze device will read in real time and then transmit to the central monitoring system.

To ensure the correct functioning of the solution and correct positioning outside the cold room, we use a signal detector that makes use of the BLE Scanner application (downloadable in the App Store or Google Play) by placing it outside the cold room with the Identification code for the Minion.

In addition to the Minion device code (for example 003BBB9), the application also reports the signal's power level (eg Fig. 3: -65). The further you move away from the cold store, the more the power value decreases. It is advisable to keep this value above -70 (eg -70, -68, -60 ...).

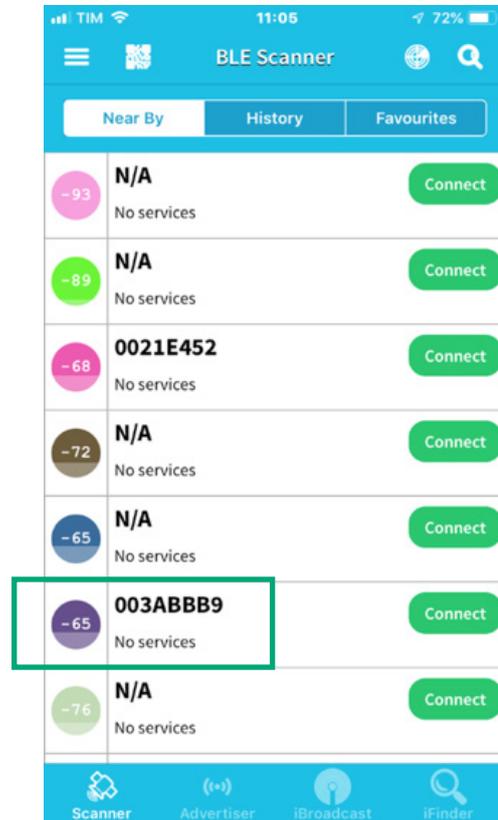


Fig. 3

Therefore, the ideal place to install the Freeze must respect these two conditions:

1. Visible Minion code in the application
2. Signal level above -70

As an additional verification of the correct connection between Freeze (master) and Minion (beacon), the Freeze is equipped with an internal button (Fig. 4).

Once the Freeze is positioned with the above criteria, open the device and press the button indicated in Fig. 4, within 20 ", the green LED on the master lights, indicating the start of the test.

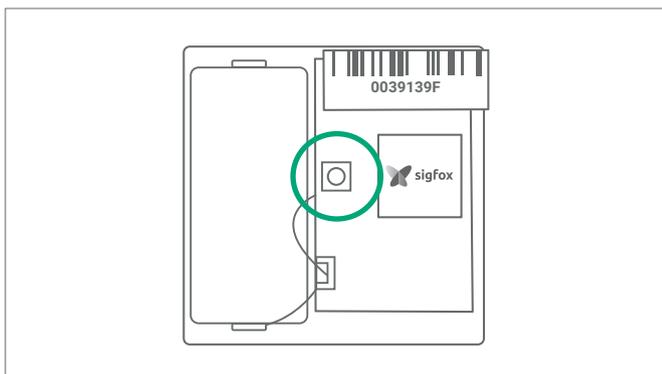
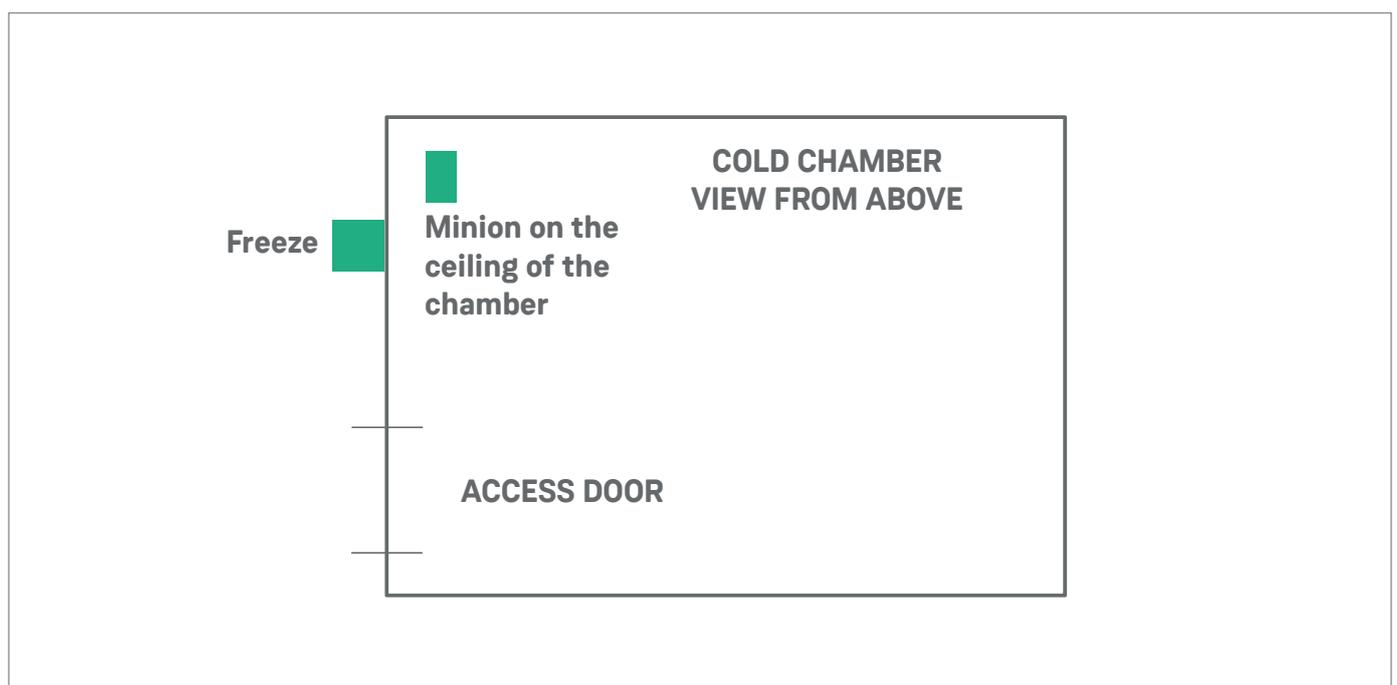
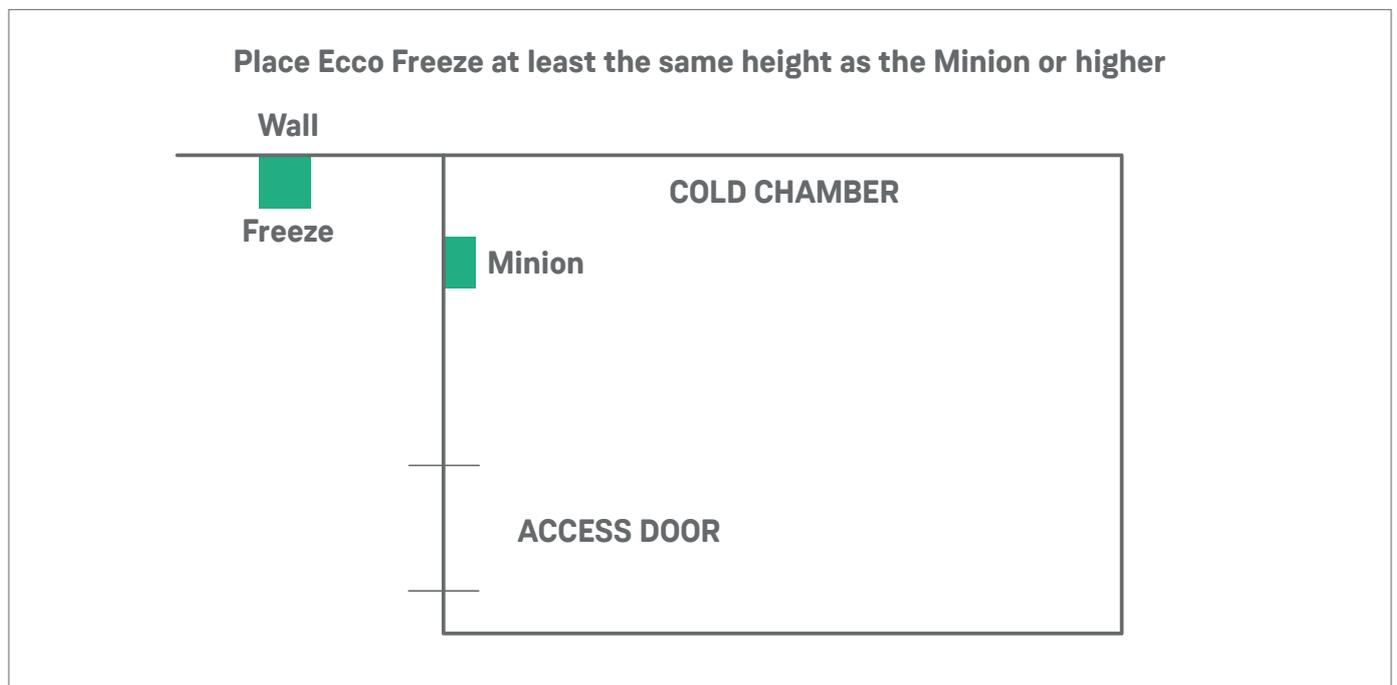


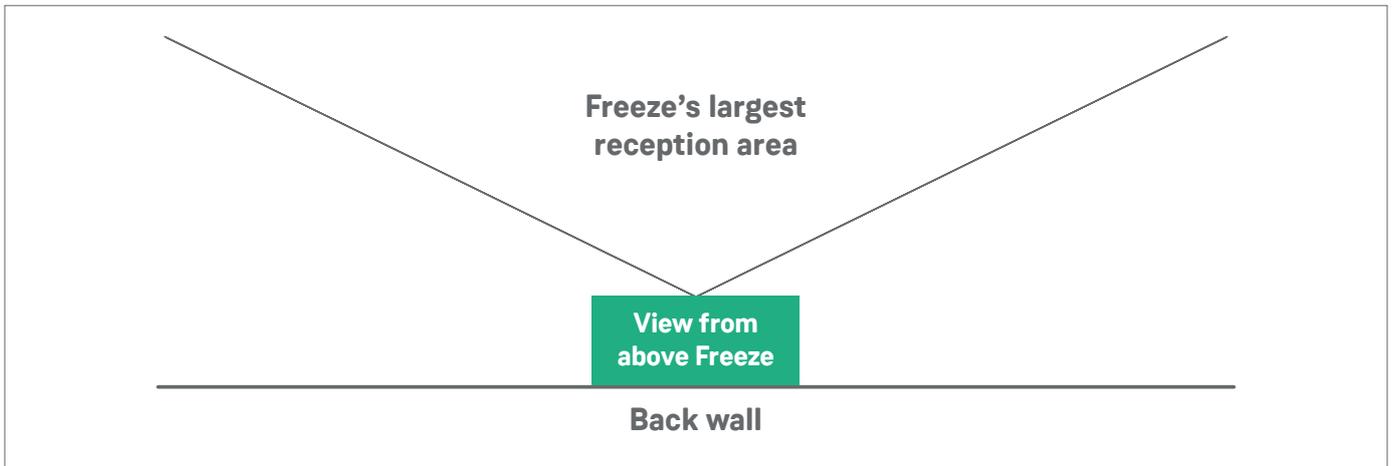
Fig. 4

1. If within the next 20 "there is a sequence of 5 consecutive flashes, then it means that the two devices are in mutual coverage.
2. If, on the other hand, there is only a continuous illumination of the green LED, it means that the two devices have not been connected.

In case 2, it is necessary to reposition the master in a position that guarantees less attenuation and greater power of the input signal to the master (-60, -50).

Wait 60 "and then repeat the operation with the button request.





Warning:

In the case of abnormally functioning cells that generate a large amount of liquid condensate, pending repair / normalization of the operation, it is necessary to protect the Minion of the Ecco Freeze with the bag inside the package (Fig. 5) . With a strip of about 3 cm of double-sided adhesive, before placing the sensor inside the cold room, lock the sensor inside the bag (Fig. 6).

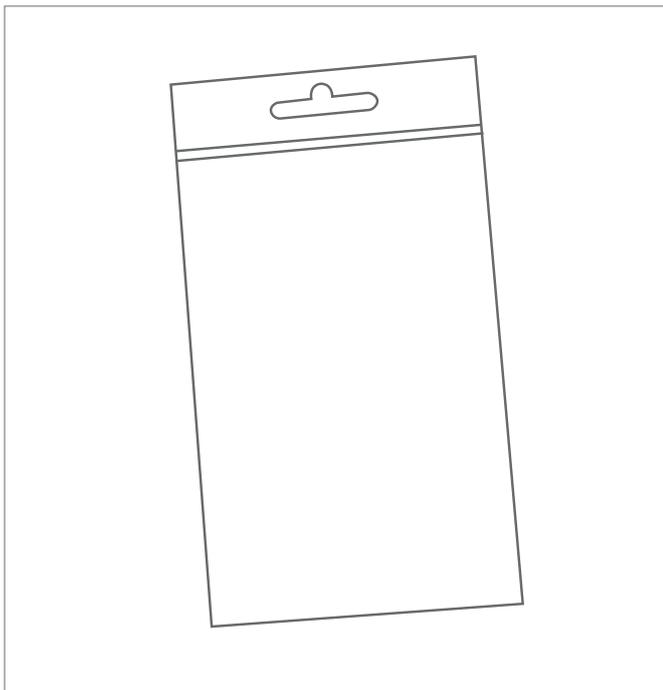


Fig. 5

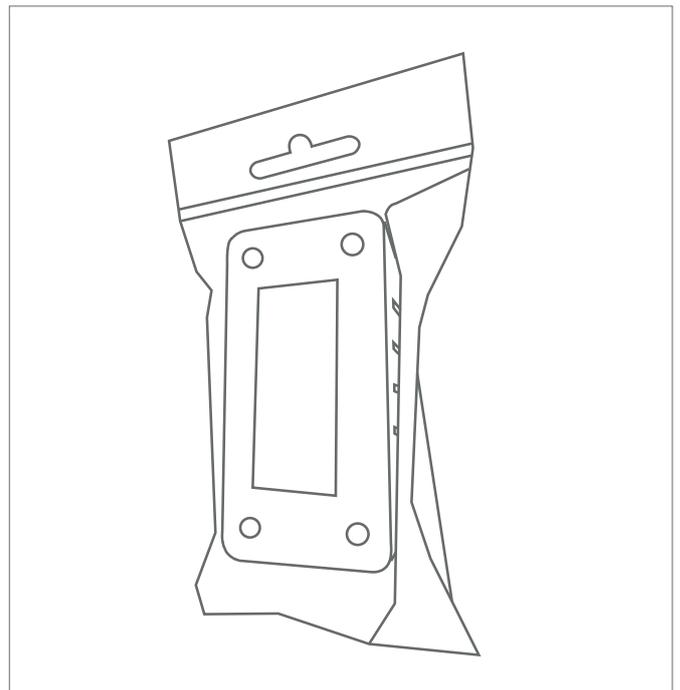


Fig. 6

3. Settings

To view the data, you can configure the device at:

- 3.1. Mobile app
- 3.2. Web app

3.1. Mobile App

3.1.1. Download the application

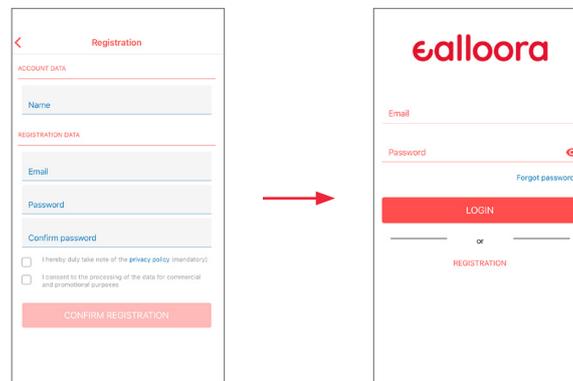
From the App Store or Google Play, download the Ealloora application:



Install the Ealloora application and receive the temperature and humidity measurement of the environment you want to monitor on your mobile phone. If the predefined thresholds are exceeded, you will receive a notification in the application.

3.1.2. Register the device

- On the home screen of the application, click **Registration**.
- Fill in the required information.
- Click **Confirm Registration**.
- If you already have an Ealloora account, enter your email and password and click **Sign in**.



3.1.3. Associate device

- Device associated with the **Serial Number**:
- Enter the serial number written on the label on the back of the device.
- Give your device a name.
- Click on **combine**.



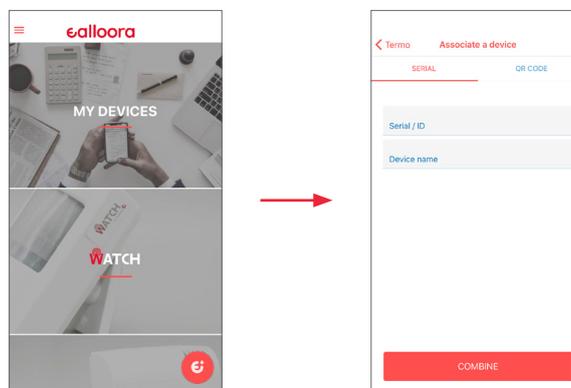
The device is correctly associated.

In case of problems, contact customer service:

www.marketpinegrove.com/customer-service

3.1.4. Add other devices

- In the future, to quickly associate other Ealloora devices, from the home page, click on **+**
- Add the devices you want by following the same procedure.



3.2. Web app

To make use of the web app, consult your distributor at www.pinegrove.io

ECO FREEZE

Information available at:
www.nettrotter.solutions



FREEZE is an exclusive solution of Nettrotter Srl
Via Zanella 21, 20851 Lissone (MB), Italy
Made in Italy