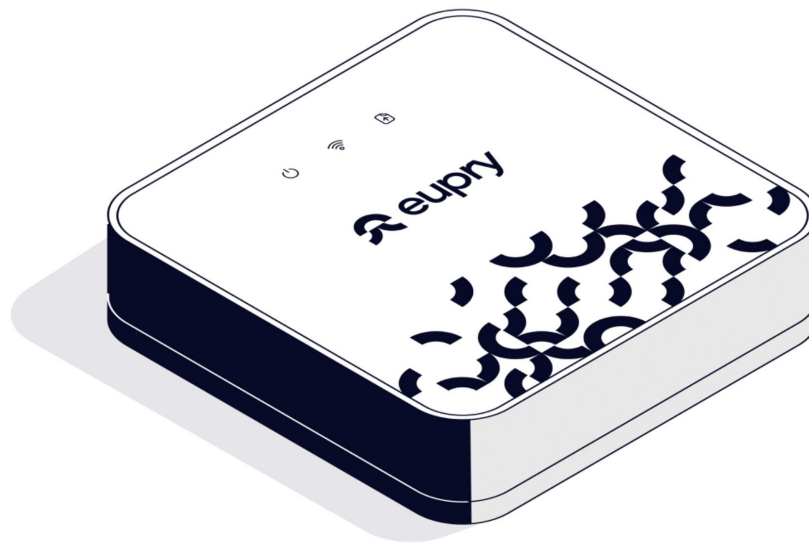


User Guide

Live Data Hub

NB1



1 Introduction

This user guide explains how to use the Hub and the technical specifications for the product. Furthermore the user guide contains an installation guide of how to install the product.

1.1 Intended Purpose

The Hub makes it possible to upload data every 9th minute¹ to Eupry Monitoring software, instead of the standard upload setting which is every 12th hour¹. The product is an extension to the Eupry Basestation that gets data from the Data Logger every 3rd minute¹ and forwards the data through the Eupry Basestation towards Eupry Monitoring Software, which is visualized in the illustration below.

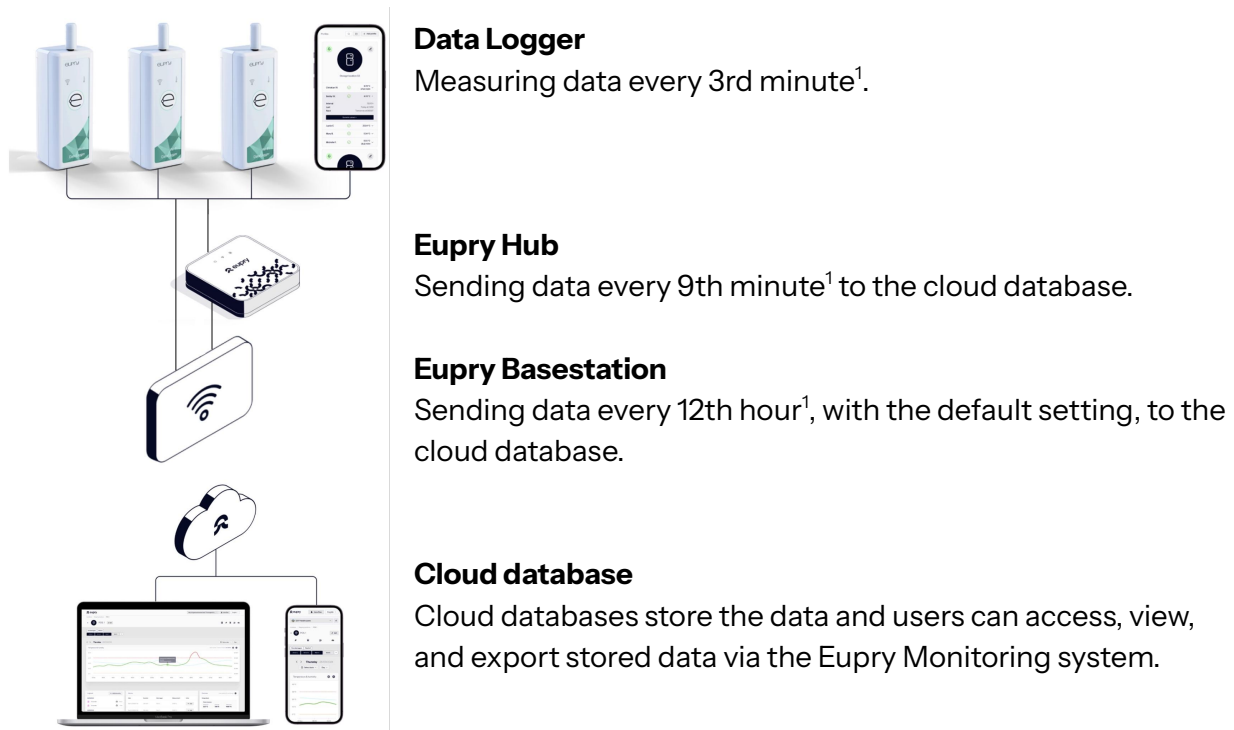


Illustration of data sent from the Data Logger through Eupry Hub to the gateway.

1 Installing the Hub

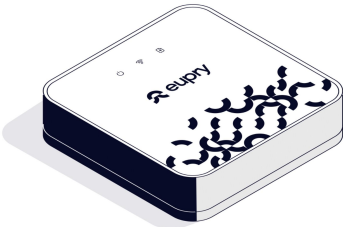
We regiment to have the initial installation made by Eupry, in order to ensure that the Hub is installed correctly and all Data Loggers connect to both a Eupry Basestation and the Hub.

¹ Default values. Can be changed. Changes impact battery consumption.

1.1 Package contents

The package includes:

- The Hub
- USB-C cable
- Power supply for USB-C

The Hub	USB-C cable	Power supply for USB-C
		

1.2 Installing the Hub

Before setting up the Hub, the Eupry Basestations and the Data Loggers should be installed and be sending data to Eupry Monitoring.

In order to ensure that the Data Logger is connected to both the Eupry Basestation and the Hub, there should be one Hub for each Eupry Basestation installed. The Hub should be installed directly next to the Eupry Basestation.

2 Front Panel

The front panel of the Hub contains three light status icons. The first icon indicates if the power is turned on. The second icon indicates if the WiFi is connected and the third one indicates if the data has been sent from the Data Logger through the service and towards the Eupry Monitoring Software.



Name	Status	Indication	Picture of icon
Power	Lights up	The power icon lights up when the Hub is connected to power.	
WiFi connected	Lights up	The WiFi icon lights up when the Hub is connected to the Eupry Basestation.	
Sending data	Blinking	The sending data icon is blinking every time it is sending data from the Data Logger towards the Monitoring system.	

3 Technical Specifications

General	
Dimensions (W x H x D)	76,2 x 25,4 x 76,2 mm
Casing material	ABS housing (plastic)
Operating Temperature	-20 C to 80 C
Wireless Standards	IEEE 802.11(b/g/n), Station (STA)
Network Protocol	TCP, IPv4, DNS, HTTP, ESP-NOW
Indicators	LEDs
Power	230VAC - 5VDC, 1A, USB-C
Certifications	CE/RED, FCC, IC/ISED, EAC, RCM, PTCRB, RoHS, WEEE, Wi-Fi Certified, CCC, Anatel, GCF, REACH, Thailand NBTC, Ukraine UCRF, SDPPI (POSTEL)
Frequency bands	2.4 GHz

4 FAQ

4.1 General Concept & Alarms

How does the Live Data Hub differ from standard Wi-Fi logging? The system uses a "Dual-Path" logic. Your Data Logger "shouts" data frequently to the Hub to provide a near real-time live graph for peace of mind. Meanwhile, the logger's built-in Wi-Fi sync every 12 hours to ensure total data integrity for compliance.

Will I receive alarms immediately if the temperature deviates? Yes, but through the Wi-Fi path. If a temperature exceeds your critical limit, the logger immediately wakes up its Wi-Fi chip to send an emergency notification. This happens independently of the Live Data Hub.

4.2 Data Accuracy & Continuity

I see a small gap in my live graph. Is my data lost? Likely not. Small gaps in the live graph can be observed due to the nature of the wireless protocol. Any gaps are fully corrected every 12 hours when the validated Wi-Fi sync occurs.

Why do I see a temperature spike on my screen before I get an SMS alarm? This is known as "Alarm Lag". Because the Hub receives data more frequently to populate the graph, you may see a deviation on your dashboard 1-2 minutes before the official Wi-Fi-based alarm is processed and sent to your phone/email.

4.3 Hardware & Setup

Where should I place the Live Data Hub? To ensure the best connection, the Hub must be powered up right next to your 4G Access Point (router). Specifically, place it near the router's Wi-Fi antenna.

Does the Live Data Hub have a longer range than my Wi-Fi? No. It is a common misconception that the Hub's protocol (ESP-NOW) has a longer range. It is subject to the same interference from walls, metal shelving, and other electronics as standard Wi-Fi. The two technologies are based on the same protocols, frequencies and hardware.

4.4 Maintenance & Battery Life

How often do I need to change the batteries? Battery life depends heavily on your measurement frequency and the environment:

- **Standard Monitoring (Pharma):** 1-minute measurements typically last ~4 months.
- **Long-term Storage:** 3-minute measurements typically last ~1 year.
- **The "Cold Tax":** Batteries drain faster in cold environments.

4.5 Troubleshooting

What should I do if my live data stops appearing?

1. **Check Power:** Ensure the Hub is plugged in.
2. **Reboot:** Unplug the power cable from the Hub, wait a moment, and plug it back in.
3. **Verify Placement:** Ensure the Hub hasn't been moved away from the 4G Router.
4. **Isolate the Issue:** If you are still receiving SMS alarms but the graph isn't moving, your Wi-Fi is working, but the Hub's connection may be blocked.

5 Support

If you have any problems with setting up the Live Data Hub and Basestation, please contact Eupry support:

Tel: **+45 53 51 77 00 | +1 (857) 214-5305**

E-mail: **support@eupry.com**

Change history

Revision	Author	Date	Change
1.1	FJ	16-FEB-2026	Added FAQ and details to measurement upload intervals
1.0	NHP	25-SEP-2025	First version