



MICROSTATION USER GUIDE

Remote or Bluetooth Monitoring



sigfox

Introduction

Upon reading this guide, the next page will provide you with a sequence of steps to follow depending on your choice of Internet connection.

To assist you, a color-coded system has been implemented (see: color code).

To properly connect your box, you need to select your path and follow the steps associated with the color corresponding to your Internet connection choice.

Color Code

-  General guide – regardless of your connection choice, these steps are mandatory.
-  For a 4G M2M SIM card connection.
-  For an existing Internet box connection.

If you encounter any issues, contact us at:
(check your spam folder)
SAV@feelbat.fr



Connection Mode Selection

Step 1

Connecting the micro-station

Step 2

Connecting the network

Step 3

Internet connection via USB dongle
with multi-operator M2M SIM card

Step 3

Internet connection and existing
Internet box

Option

If the box is exposed to humidity or
placed outdoors (IP65), install a
waterproof protective enclosure for
the connections.

Step 2

Online box activation

Step 2

SIGFOX network connection and
initialization

List of Items



Pack 1



1 SIGFOX Access Station

4 Charger block

7 Cable ties

2 Manuals and guides in English

5 Charger block adapter

8 Ethernet cable

3 Box

6 POE cable

9 Mounting kit

Pack 2



1 Receiving box

2 IP65 closure cover

3 Mounting kit

Pack 3



1 Key box

2 USB dongle for 4G SIM card

3 Warranty

4 Safety information

NOTE: The 4G SIM card is not included in the pack.

Feelbat offers an additional multi-operator M2M SIM card.

Additionally, you will need to keep your SIM card adapters (SIM, MICRO SIM, NANO SIM) when receiving the pack.

Step 1

Connecting the micro-station



01

Plug the Ethernet cable into the appropriate port on the micro-station.



02

Plug the Ethernet cable into the corresponding port on the POE cable.



03

Plug the POE cable into the corresponding port on the power cable.

Step 2

Connecting the network

For the next steps in the guide:



Follow the steps for connecting via 4G SIM card - Step 3.A1.



Follow the steps for connecting via an Internet box - Step 3.B1.

The following setup instructions are for configurations linked to the multi-operator M2M SIM card provided by Feelbat.

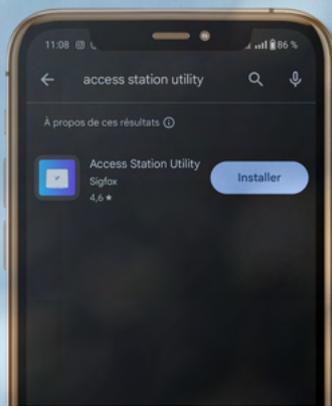
If you use a SIM card of your choice from any operator, you will need to request the necessary configurations from that operator to integrate them into the box.



Prerequisites

Make sure you have:

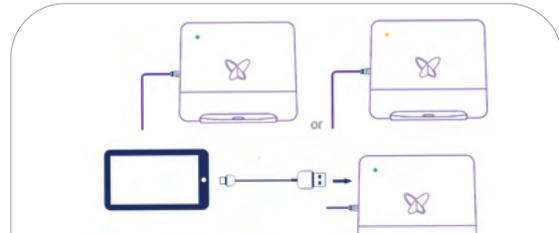
- An Android tablet or smartphone
- A USB-to-USBC cable (to connect your device)
- An Internet connection
- A power outlet connection



Download the "Access Station Utility" application

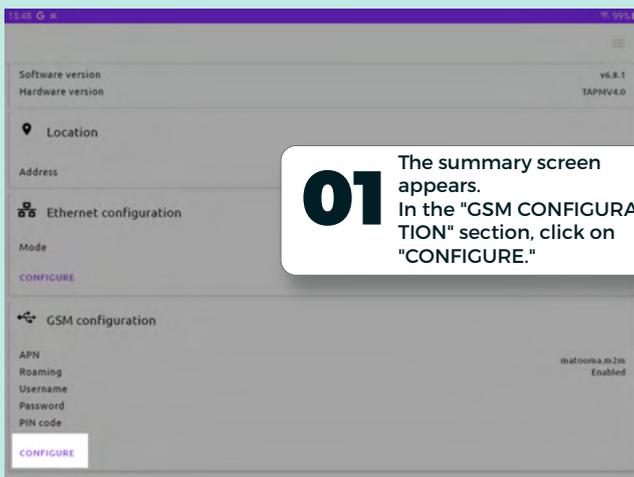


Plug the box into a power outlet, preferably an isolated one.

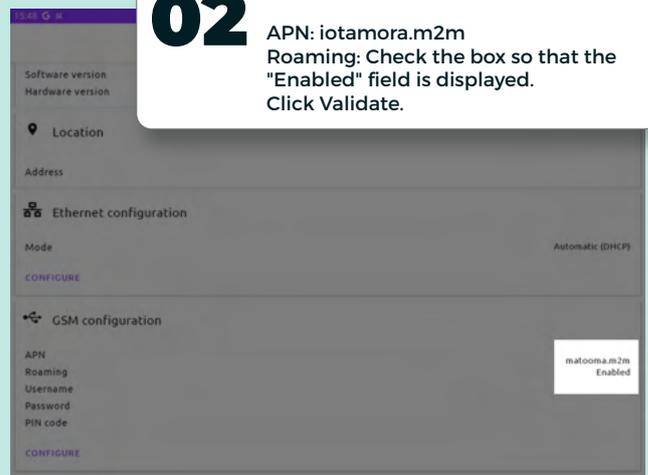


Connect the tablet or phone to the box using the phone's USB cable.

On the home screen, enter your **Last Name** and **First Name**, then click **Next**.



01 The summary screen appears. In the "GSM CONFIGURATION" section, click on "CONFIGURE."



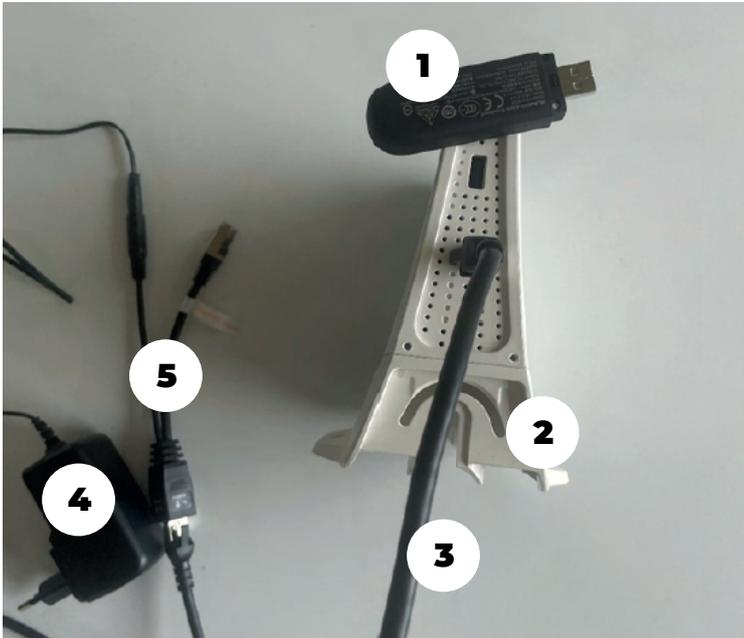
02 Fill in the following fields:
APN: iotamora.m2m
Roaming: Check the box so that the "Enabled" field is displayed. Click Validate.

Exit the application.

Your box is connected!

Note: If you use a SIM card from another operator, these parameters will need to be changed. Please contact your operator's support team.

Internet Connection via 4G USB Dongle



1 4G USB Dongle

2 Sigfox Box

3 Ethernet Cable

4 Power Cable

5 POE Cable

**No SIM card is provided.
The 4G SIM card is included in another pack offered by Feelbat - multi-operator M2M SIM card.**



01

Hold the body of the dongle and unlock the back cover by sliding it off.



02

Insert the SIM card.

Attention: Ensure the SIM card is inserted in the correct orientation!

Make sure the card is fully inserted.



03

Ensure the back cover is securely locked.

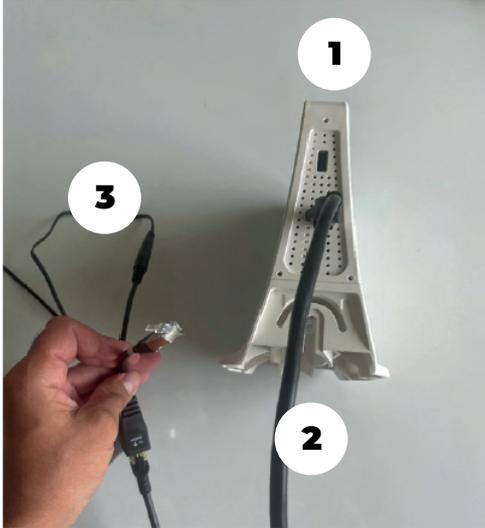


04

Connect the dongle to the USB port on the box.

Step 3

Connecting to the Internet



1 Sigfox Box

2 Ethernet Cable

3 POE Cable

**No Internet box is provided.
It is possible to connect to an existing box or acquire one at your own expense.**



Locate an available Ethernet port on your Internet box.



Plug in your Ethernet cable.



Connect your box to a power outlet (preferably an isolated one).



Your box is now connected and will begin its initialization process

Optional, not required

Connecting the IP65 Protection



1 Sigfox Box

2 IP65 Waterproof Enclosure

3 Assembly Screws

4 IP65 Sealing Gasket

It is recommended to check the screw threading for assembly to ensure you have the appropriate tool.

This IP65 enclosure is not sold with the box. It is an additional and complementary pack.



01

Pass the Ethernet cable through the designated opening.



02

Once the cables are passed through, attach the IP65 gasket around the Ethernet cable.



03

Insert and clip the gasket properly to ensure a waterproof seal (IP65).



04

Ensure that the cables are not pinched.



05

Branchez votre câble Ethernet ou clé de connexion internet USB.



06

Use the appropriate tool to tighten the 3 screws.



07

Once the cables are securely in place, attach the IP65 gasket around the Ethernet cable again.

Step 4

Online Box Activation



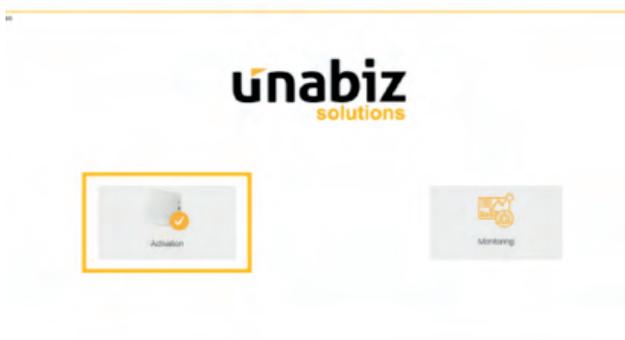
Go to your web browser and enter the following link:

<https://stmgmt.sigfox.fr/register>

If you don't already have an account, you'll need to create one!

To validate your account, you will receive an email.

Don't forget to check your SPAM or junk mail folder.



01 Click on Activation.

02 Fill in the required fields and validate.



NOTE: The installation of your box requires a postal address for the installation location (e.g., construction site, etc.) as well as the station identifier (S/N) (visible on the left of the photo).

Example S/N: 00012BC-K7

You will only need the underlined part of the S/N on your box.

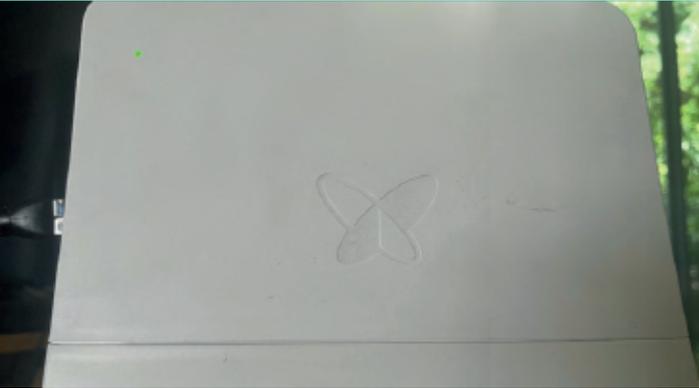
Step 5

Connection to the Sigfox Network - initialization



The box initialization takes about **5 minutes**.

By default, the Sigfox station is configured for automatic DHCP connection.



The Sigfox box is ready and operational as soon as the startup is confirmed by an orange LED flashing for a few seconds, followed by a green LED appearing on the box.

Your sensors can now connect to the Sigfox network and send data at the frequency you have set.

Connection Issues

LED	Meaning	Troubleshooting/Resolution
OFF	No power	Check the power supply, the Ethernet cable connection, and the general setup.
Red (30s)	Correct electrical power, but hardware issue	If the LED does not turn off after 2 minutes, try restarting the box. If the problem persists, contact technical support.
Stable Red > 1 min		Follow the steps above.
Flashing Green (30s-1 min)	Restart the box	If the LED continues after 1 minute, try disconnecting/reconnecting the box. If the issue persists, contact technical support.
Flashing Orange	Connection being established, IP not assigned	If the LED persists after 1 minute, verify that the network is properly configured. Ensure DHCP is enabled in your router or modem. Contact technical support if necessary.
Orange	VPN connection in progress	Wait a few moments.
Green LED	Everything is OK - Connection established	
Purple LED	Extreme temperatures detected	



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