



MICROSTATION MANUAL

Remote or Bluetooth Monitoring



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01 Introduction

If you have already set up your MicroStation for the first time, it is not necessary to configure it again.

This device allows you to recreate and enhance SIGFOX coverage indoors or in areas without network coverage. Once powered with 220V and connected via Ethernet or an optional 3G/4G SIM card, it creates a local radio network for real-time transmission of sensor data.

For outdoor installation or in demanding environments (humidity, dust, vandalism), an IP65 protective enclosure is recommended to safeguard the connectors and the USB dongle (if used).

It is only compatible with certain 3G/4G USB keys, and APN configuration is required.

Requirements:

- **An Android tablet or smartphone**
- **A cable connecting your device to a USB port for data transfer**

If you encounter any issues, please contact us at: (may appear in your spam folder)

SAV@feelbat.fr



02 Packing List: MicroStation Box – Complete



Pack 1



1 SIGFOX Receiving Station

4 Charger block

7 Cable ties (Rizlan)

2 Manuals and books in English

5 Charger block adapter

8 Ethernet cable

3 Box

6 PoE cable

9 Mounting kit

Pack 2



1 Receiving Box

2 IP65 Protective Cover

3 Mounting Kit

Pack 3



1 USB Key Box

2 USB Dongle for 4G SIM Card

3 Warranty

4 Safety Information

Multi-Operator SIM Card

This multi-operator SIM card is designed for transmitting sensor data. We strongly recommend using this card to ensure proper data reception and to avoid any configuration on the MicroStation (already pre-configured with our multi-operator SIM cards).

The SIM card is designed to easily fit inside the 4G dongle. Remember to keep any adapters that come with your SIM.



02 Packing List: MicroStation Box – Basic



Pack 1



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6 PoE cable

9 Mounting kit

Pack 2**1** Receiving Box**2** IP65 Protective Cover**3** Mounting Kit

03 Connecting the MicroStation



01

Plug the Ethernet cable into the appropriate port on the MicroStation.



02

Plug the Ethernet cable into the appropriate port on the PoE cable.



03

Plug the PoE cable into the appropriate port of the power cable.



Prerequisites

You will need

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

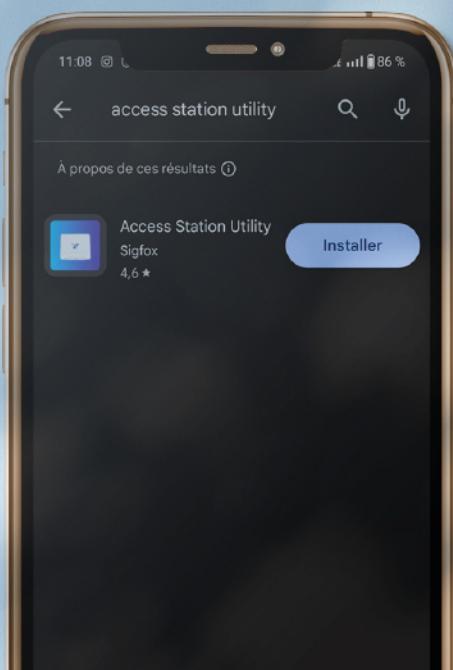
All steps are the same except for steps 4 and 5.

Depending on the type of connection chosen:

- **3G/4G SIM connection: follow step 4**
- **Ethernet cable connection: follow step 5**

04 Connecting to the Application

MicroStation Box – Complete // With 3G/4G SIM Card



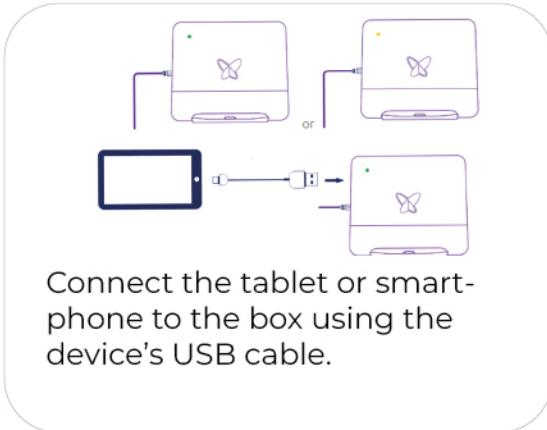
Download the “Access Station Utility” app.

[Download the app](#)

Available for Android only



Plug the box into a power outlet, preferably on a dedicated socket.

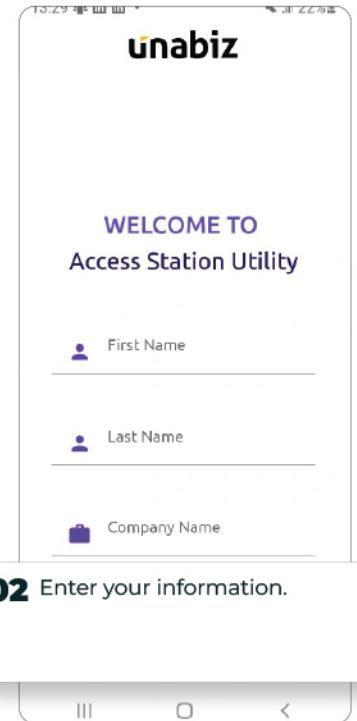


Connect the tablet or smartphone to the box using the device's USB cable.

MicroStation Box – Complete // With 3G/4G SIM Card



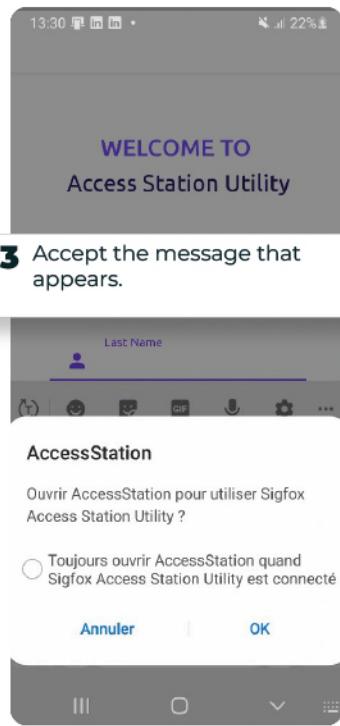
01 Open the application.



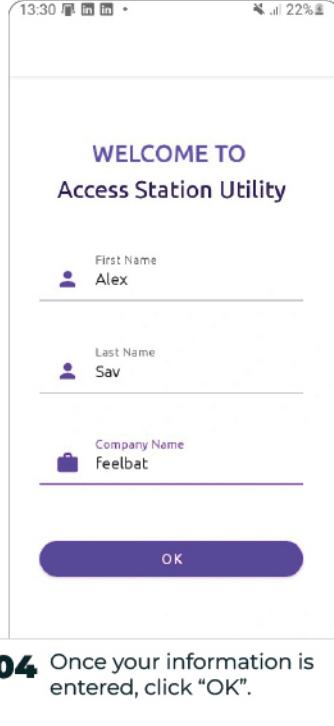
02 Enter your information.

Connect the USB cable to the MicroStation and to your phone. **(Cable not provided)**

You must use a cable that supports data transfer.



03 Accept the message that appears.



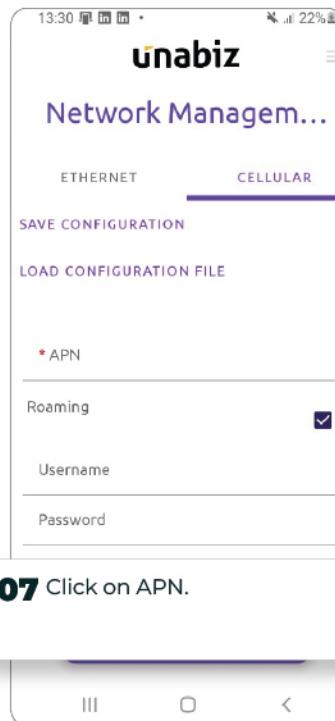
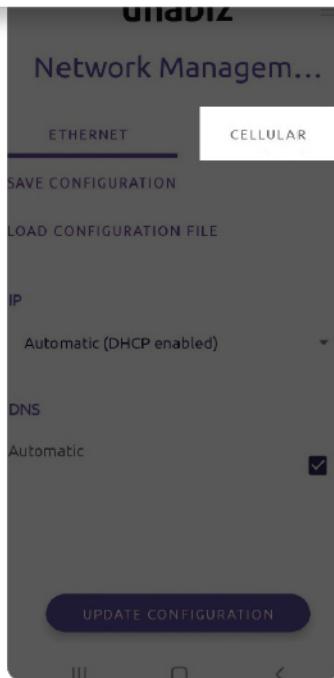
04 Once your information is entered, click "OK".



05 Click "Configure".

MicroStation Box – Complete // With 3G/4G SIM Card

06 Click on the “Cellular” tab.



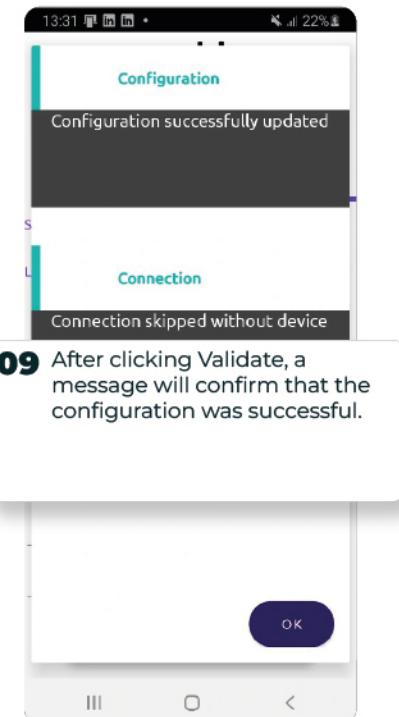
07 Click on APN.



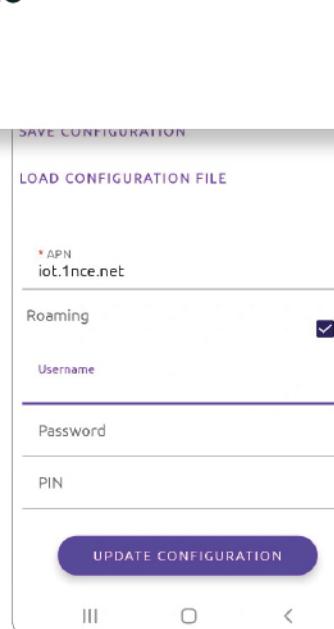
08 Enter the following code:
iot.1nce.net

Note: Leave the other fields empty and make sure the Roaming box is checked.

09 After clicking Validate, a message will confirm that the configuration was successful.



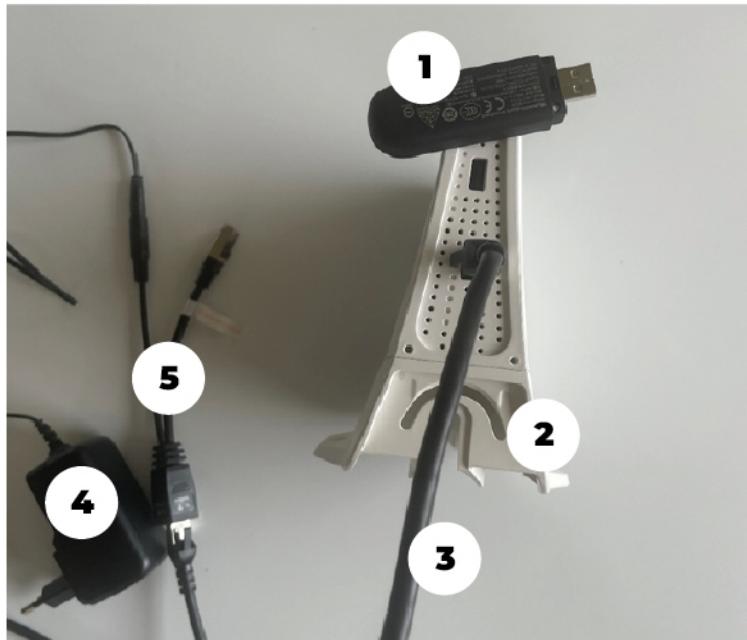
10 Then click “OK”.



Your box is now configured!

04 Internet Connection via 4G USB Dongle / SIM

MicroStation Box – Complete // With 3G/4G SIM Card



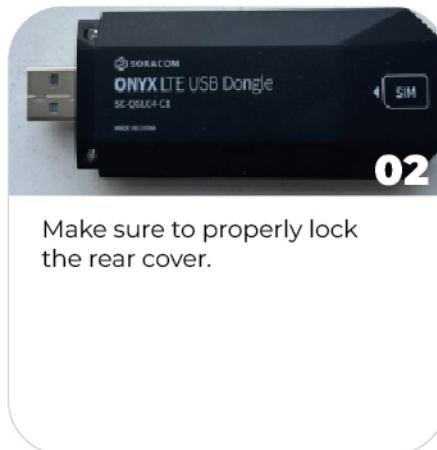
1 4G USB Dongle

2 Sigfox Box

3 Ethernet Cable

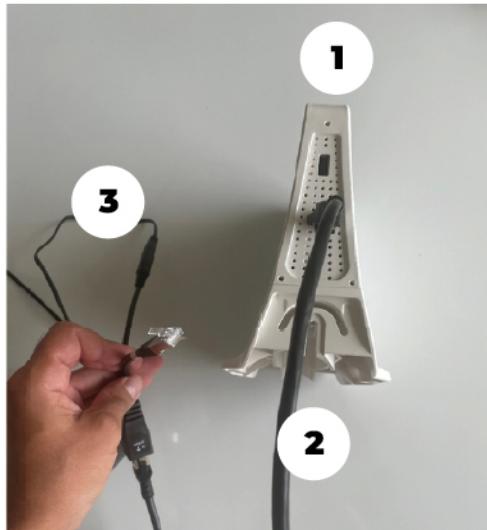
4 Power Cable

5 PoE Cable



05 Connecting to the Internet

MicroStation Box – Basic // Connecting to an Existing Internet Network



1 Sigfox Box

2 Ethernet Cable

3 PoE Cable

No Internet box is provided.
You can either connect to an existing box or provide your own.



Locate a free Ethernet port on your Internet box.



Plug in your Ethernet cable.
Ensure that no security restrictions or firewall are blocking the connection.



Plug your box into a power outlet (preferably on a dedicated socket).



Your box is now connected and will start its initialization process.

06 Installing the IP65 Protection

Optional, not required



1 Sigfox Box

2 IP65 Waterproof Enclosure

3 Assembly Screws

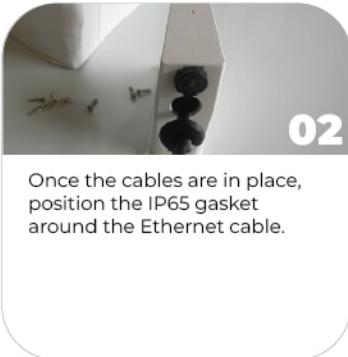
4 IP65 Sealing Gasket

It is recommended to check the thread size of the assembly screws to ensure you have the appropriate tool.

**This IP65 enclosure is not included with the box.
It is an additional, complementary pack.**



Route the Ethernet cable through the designated opening.



Once the cables are in place, position the IP65 gasket around the Ethernet cable.



Insert and snap the gasket properly to ensure waterproof protection (IP65).



Make sure your cables are not pinched.



Connect your Ethernet cable or USB Internet connection dongle.



Select the appropriate tool to tighten the three screws.



Once the cables are routed, ensure the IP65 gasket is properly fitted around the

07 Activating the Box Online



Open your web browser and go to the following link:

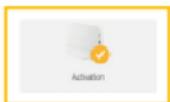
<https://stmgt.sigfox.fr/register>

If you do not have an account, you will need to create one!

To validate your account, you will receive an email.

Be sure to check your spam or junk folder.

unabiz
solutions



01

Click on Activation.

unabiz
solutions

Adresse d'Installation
425 rue jean roland 31670

43,64389 1,51161

Identifiant Station
BOCE

Pour S/N: 00012BC-K7 remplir seulement BOCE, pour S/N: 000480C8-47 remplir A8C8

Je certifie avoir pris connaissance des [termes et conditions](#)

Valider

02

Enter the required information and confirm.

Note: To proceed to the next steps, click the "Enter" box highlighted in orange.



IMPORTANT: Installing your box requires the postal address of the installation site (e.g., construction site) and the station identifier (S/N), located on the left side in the photo.

Example of S/N: 00012BC-K7

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

08 Sigfox Network Connection – Initialization



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

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



The Sigfox box is ready and operational once startup is confirmed:

- An orange LED will blink for a few seconds,
- Then a green LED will appear on the box.

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

09 Problème de connexion

LED	MEANING	Troubleshooting / Resolution
OFF	No power	Check the power supply, the Ethernet cable connection, and its condition.
Blinking Red > 1 min	Power is OK, but hardware issue	If the LED remains red after 2 minutes: Try unplugging and reconnecting the box. If the problem persists, contact your technical support.
Red > 1min		Same procedure as above
Blinking Green (30s – 1 min)	Restart the box	If the LED blinks green after 1 minute: Try unplugging and reconnecting the box. If the problem persists, contact your technical support.
Blinking Orange	Connecting, IP not assigned	If the LED continues to blink after 1 minute: Check your network/internet connection. Also verify the DHCP server and configuration. Contact support if necessary.
Orange	VPN connection in progress	If the LED stays orange after 1 minute: Check DNS servers, ICMP/NTP policies, and proxy settings. If the problem persists, contact your technical support.
Green LED	All OK – Connection established	
Purple LED	Extreme temperatures	



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