



SENSECAP

Quick Start for SenseCAP Gateway & Sensors

This tutorial will guide you to use the SenseCAP M2 Multi-Platform gateway connect to SenseCAP LoRaWAN® sensors.

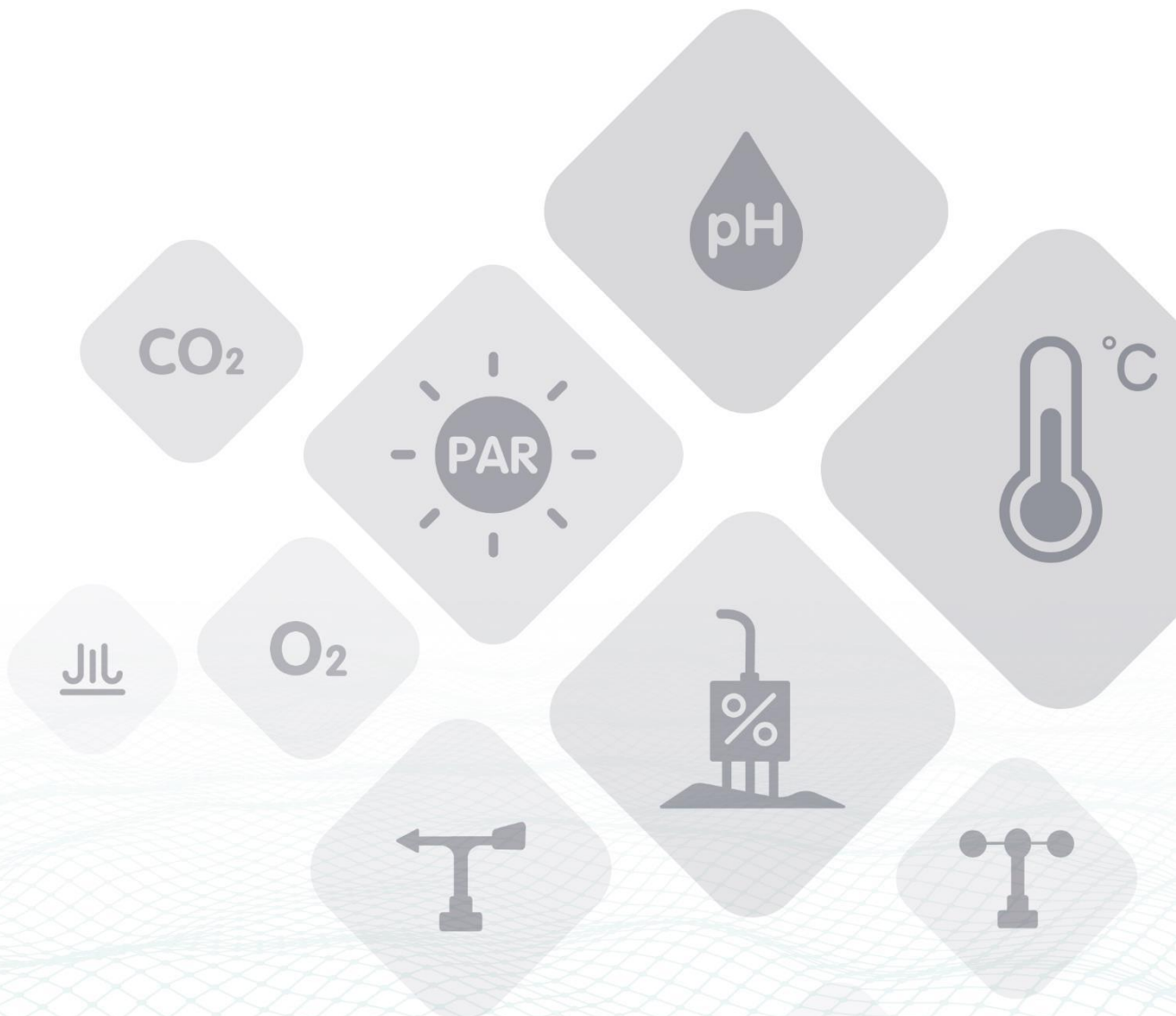


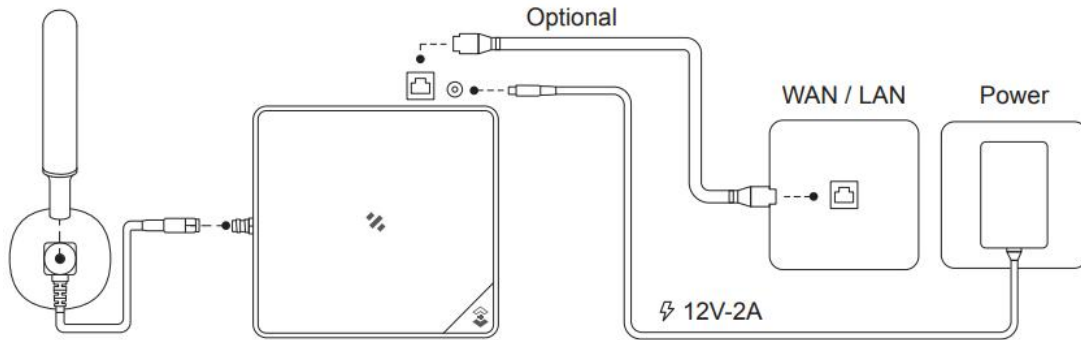
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1. Gateway Network Configuration

Connect the antenna and power adaptor to the gateway.

The power LED will show in red, and in about 15s indicator on the top will flash green, indicating that the gateway is booting.



There are two ways to connect to the Internet. Choose the one that works for you.

1.1 Connect to Ethernet Cable

Connect the Ethernet cable to the device, and the indicator on the top will show solid green if the gateway is successfully connected to the internet.

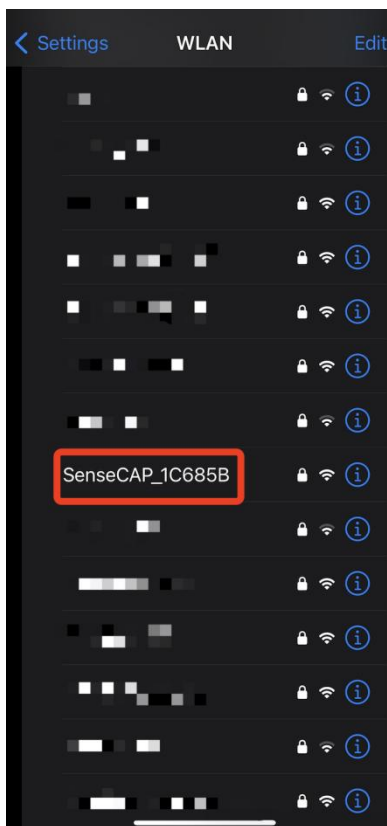
1.2 Connect to WIFI

- **Step 1:** Turn on the device AP hotspot

Press the button for 5s until the blue indicator flashes slowly to enter the configuration mode.

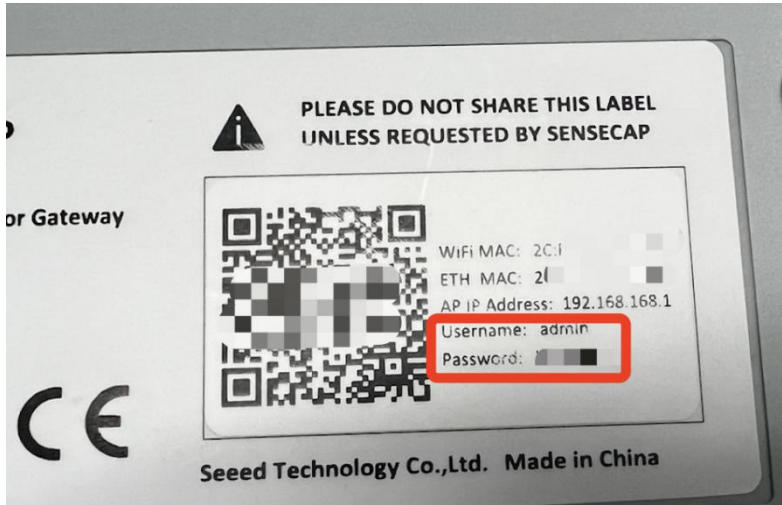
- **Step 2:** Connect to the AP hotspot

AP hotspot name is SenseCAP_XXXXXX (6-figure MAC address), default password is 12345678; connect your computer to this AP hotspot.



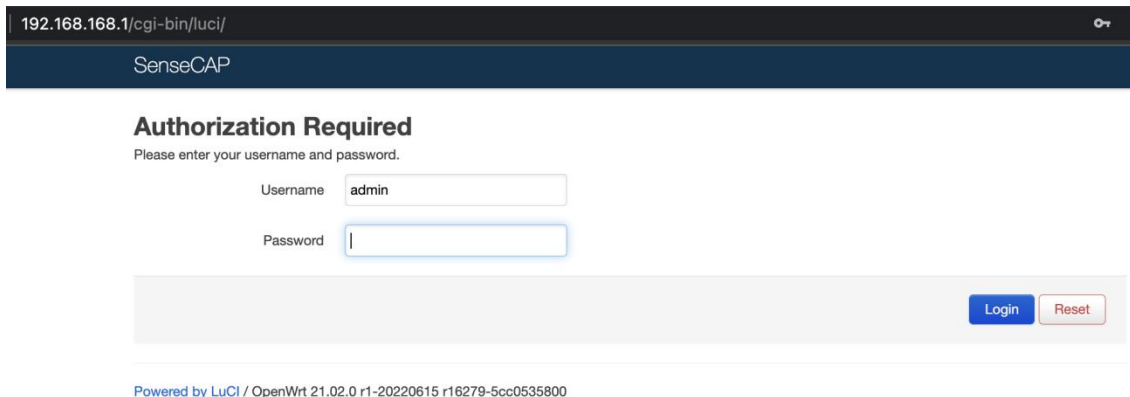
- **Step 3:** Get your device Username and Password

You can find the Username and Password on your device label.



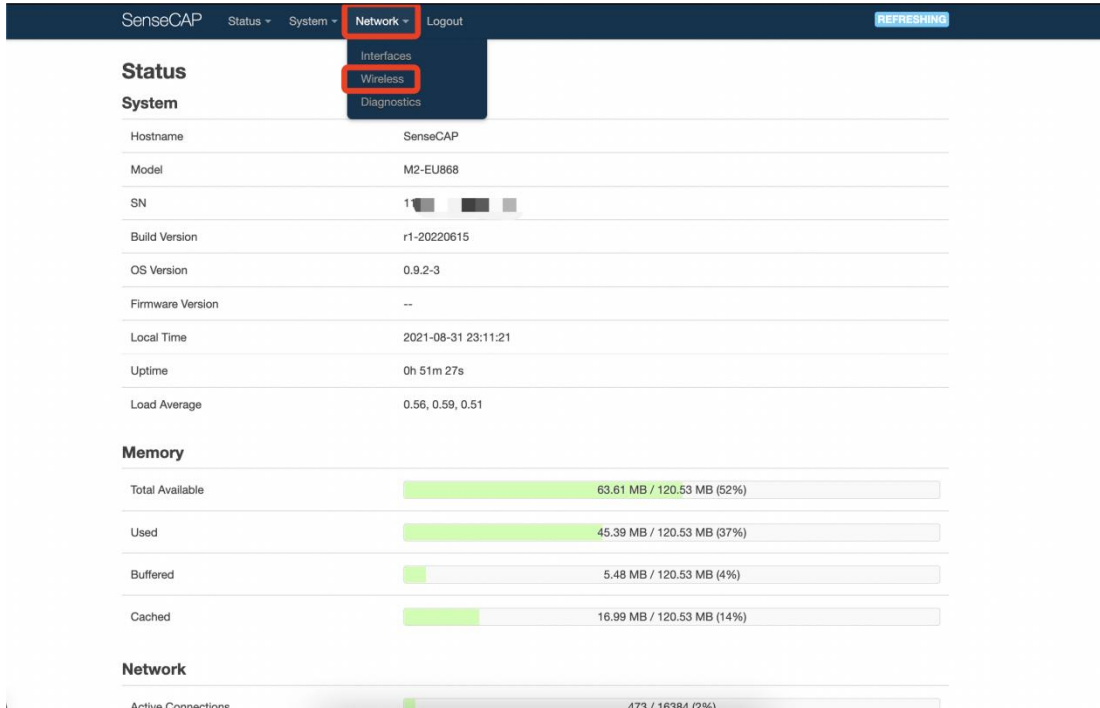
- **Step 4:** Log in to the Local Console

Input the IP Address (192.168.168.1) in your browser to enter the Local Console. Then input your device username and password, and click the Login button.

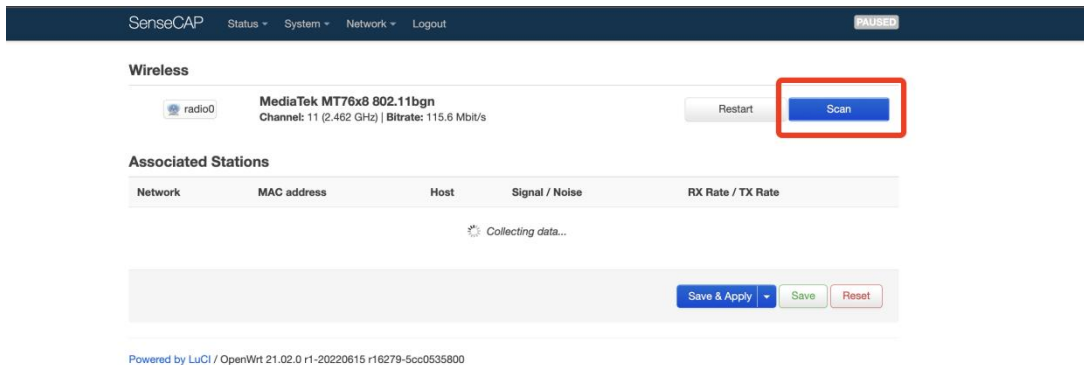


● Step 5: Connect to a WIFI

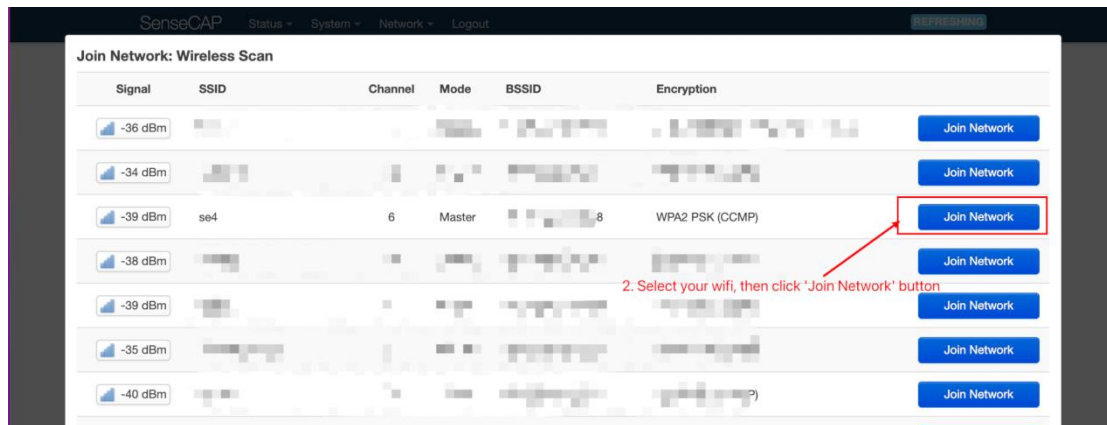
Click on Network - Wireless



Click on the Scan button to scan the WIFI.



Select your WI-FI to join the network.



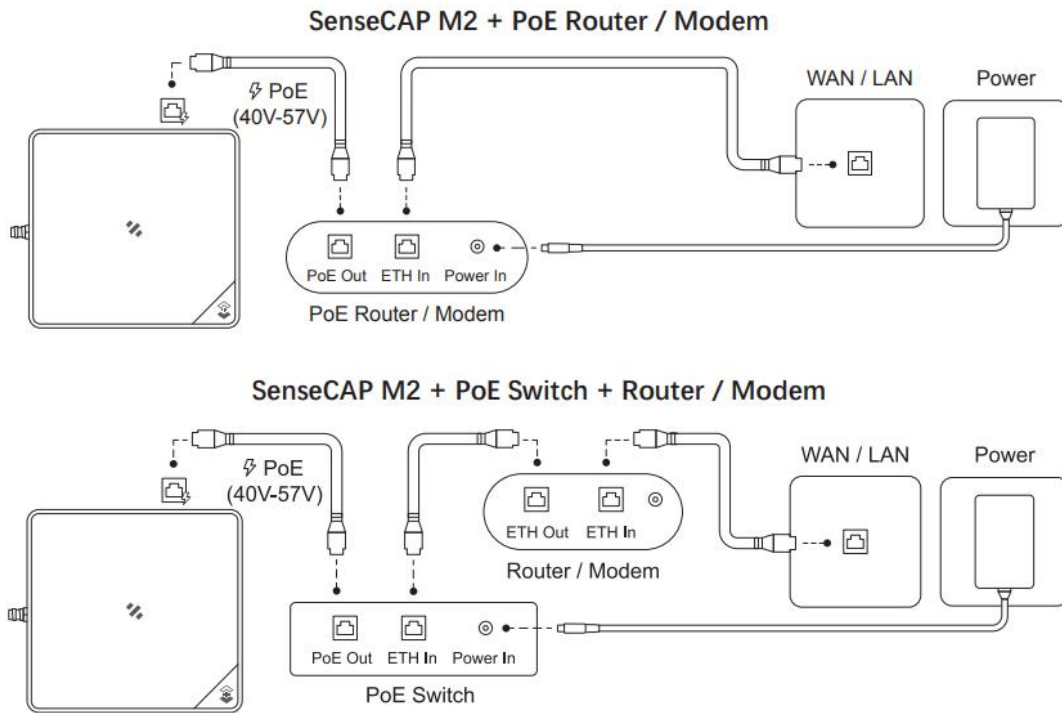
The indicator on the top will show solid green if the gateway is successfully connected to the WIFI.

1.3 POE connection

SenseCAP M2 supports PoE (Power on Ethernet) and is compatible with IEEE 802.3 af standard.

 **Note:**

You will need to have an extra PoE switch that provides 40V-57V DC power as a PSE (Power Sourcing Equipment) if your modem/router does not support PoE.



1.4 Checking the Gateway Connection Status

After powering on the gateway, you can check the gateway working status through the following methods:

1) LED Indicator

Mode		Description
Green	Solid	Gateway is healthy and the internet is well connected.
	Slow blinking	Gateway is booting, please wait.
Blue	Solid	The gateway is ready for internet connection. Further configuration is needed.
	Slow blinking	Configuration mode, and will auto exit after 5 mins if no activity.
	Fast blinking	Press the button for 30s until the indicator show fast flash will trigger the factory reset.
Orange	Slow blinking	Firmware is updating, and please do not power off the gateway or disconnect the internet.
White	Solid	Gateway is only with a factory firmware, and will be updated to the latest firmware automatically when it is connected to the internet.
Red	Solid	Hardware issue or internet connection failure.
	Slow blinking	Gateway not connected to the LNS.

2) SenseCAP Mate APP

In the SenseCAP Mate App, “Online status” indicates “Online” when the gateway is connected to the network and can receive and transfer sensor data.

Please refer to the next chapter 2 for obtaining the SenseCAP App.

2. Bind the gateway via SenseCAP Mate App

2.1 Download the SenseCAP Mate APP

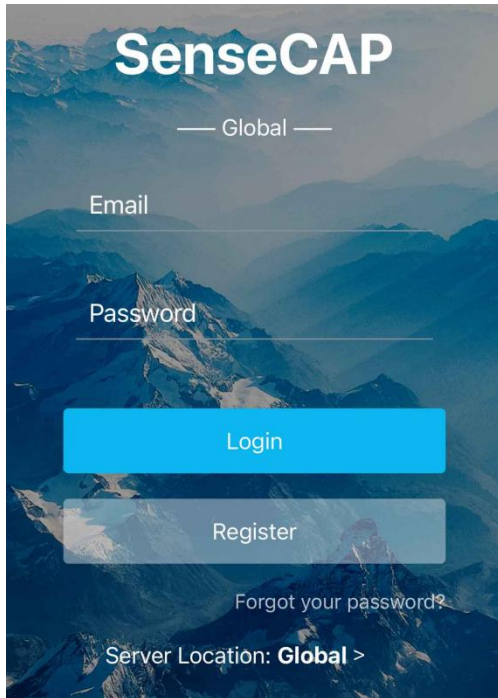
- [SenseCAP Mate APP for iOS](#) on App Store
- [SenseCAP Mate APP for Android](#) on the Google Play Store
- You can also download App from [App Center](#)



Download SenseCAP Mate App

2.2 Log in to the APP

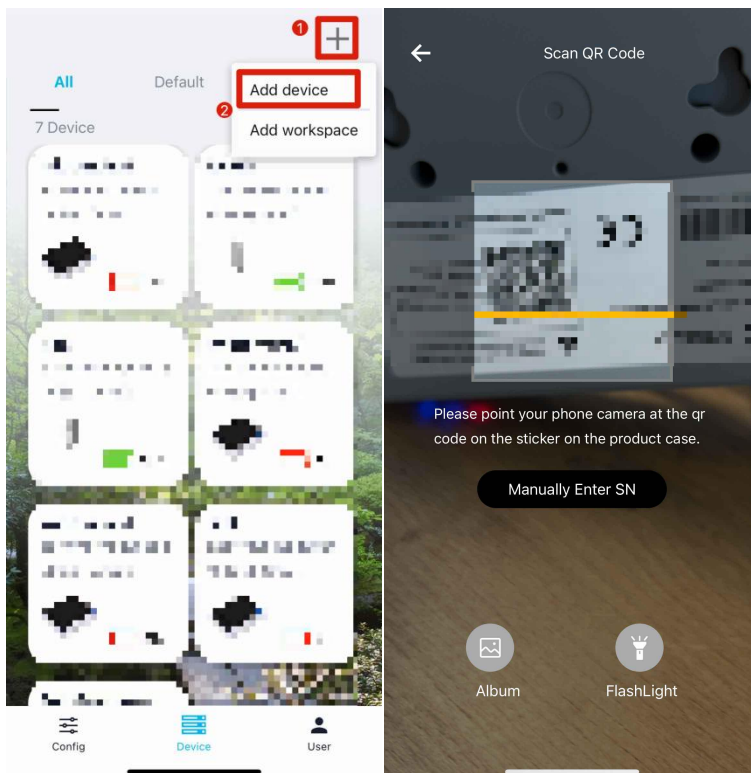
if it is your first time to use the SenseCAP platform, please register an account first.



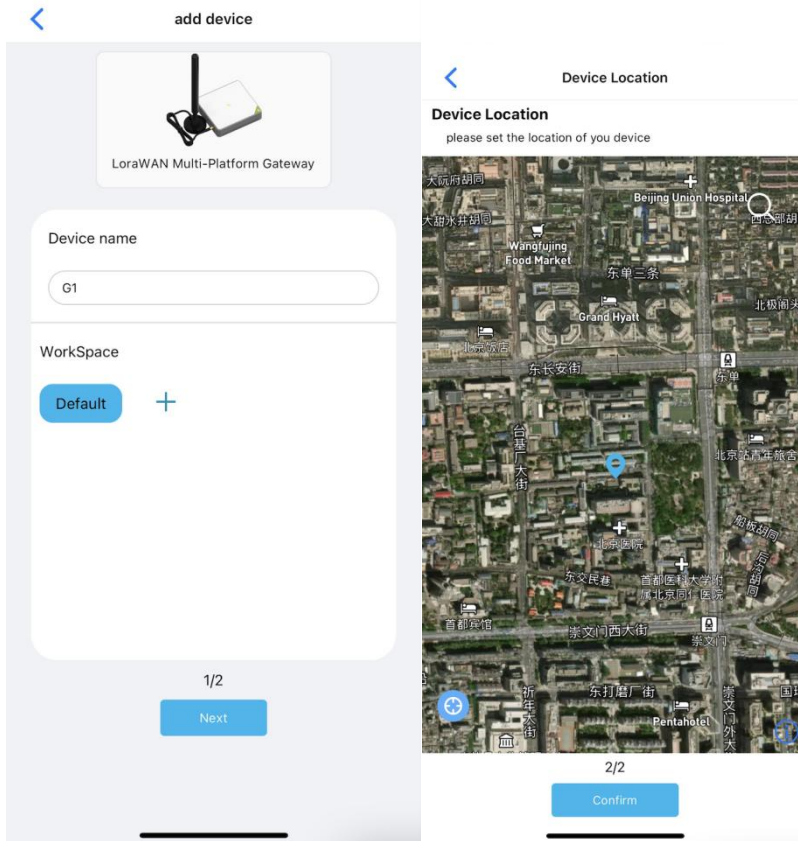
2.3 Bind the gateway to the APP

Click the + in the upper right corner and select **Add device**

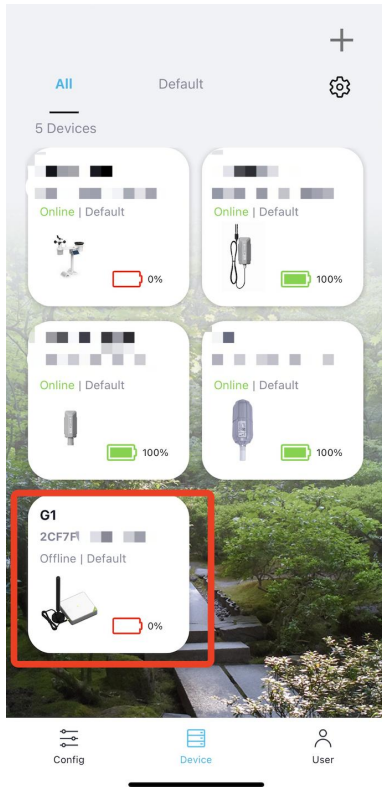
Then scan the QR code on your gateway label.



Set up your device name and location.



After successful binding, you will see your device in the **Device** directory.

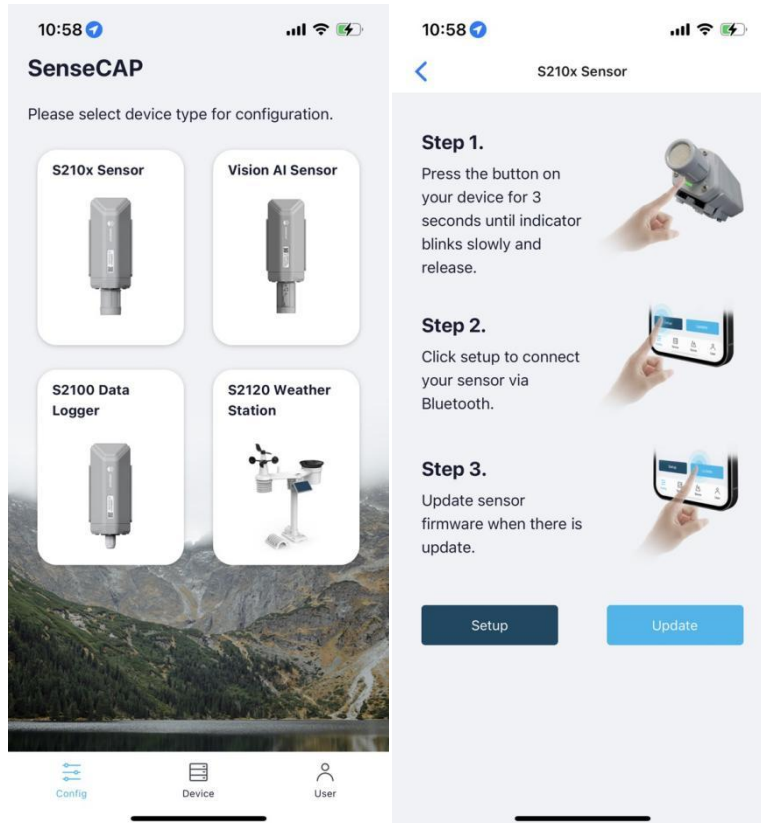


3. Set up the SenseCAP Sensors via SenseCAP Mate APP

3.1 Power on the sensor

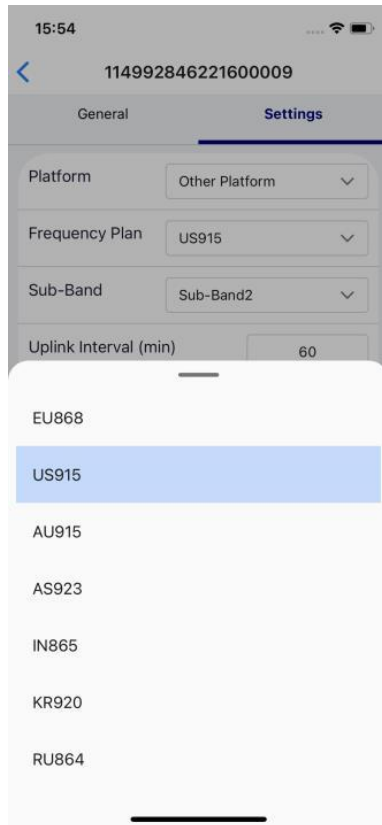
Power on the sensor and press the button to enter the configuration mode

3.2 Select your device type



3.3 Select the frequency plan

Click on "Settings", set the sensor frequency according to your gateway frequency.
if your gateway is US915, please set your sensor to US915 frequency.



For more detailed about SenseCAP sensors, please refer to: [SenseCAP Sensors](#)

4. SenseCAP Portal and Mate APP

SenseCAP Mate APP and SenseCAP Portal can be used to check your device status and device management.

- [SenseCAP Mate APP for iOS](#) on App Store
- [SenseCAP Mate APP for Android](#) on the Google Play Store
- [SenseCAP Portal](#)

4.1 Gateway status

Check the gateway info on the SenseCAP Portal and SenseCAP Mate APP

SenseCAP Portal

Devices / Gateway / Gateway Details – Displaying the online records, etc.

General Information Settings

General Information

Device Basic Properties

Device Name	M2
Gateway EUI	2CF7f...
Network Standard	LoRaWAN
Online Status	Online
Frequency(MHz)	EU863-870
Production Time	2022-09-09 15:24:17
Binding Time	2022-09-26 11:20:13
Hardware Version	v1.1
Software Version	0.9.2-3

SenseCAP Mate APP

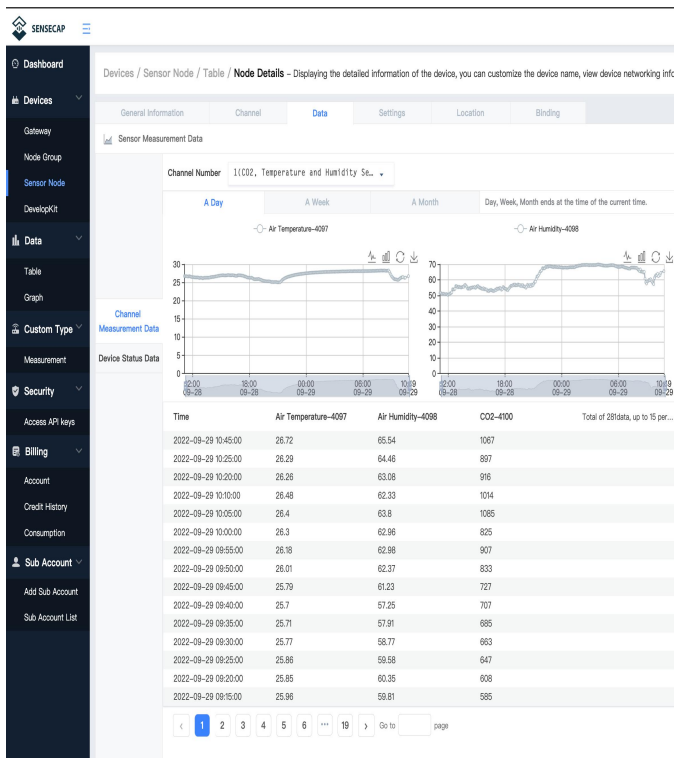
Device Info

Device UEI	2CF7f... 3
Network Standard	LoRaWAN
Sensor Type	LoraWAN Multi-Platform Gateway
Frequency	US902-928
Production Time	2022-09-14 16:22:02
Add Time	2022-09-29 09:28:08

4.2 Sensor data

Check the sensor data on the SenseCAP Portal and SenseCAP Mate APP

SenseCAP Portal



SenseCAP Mate APP

