

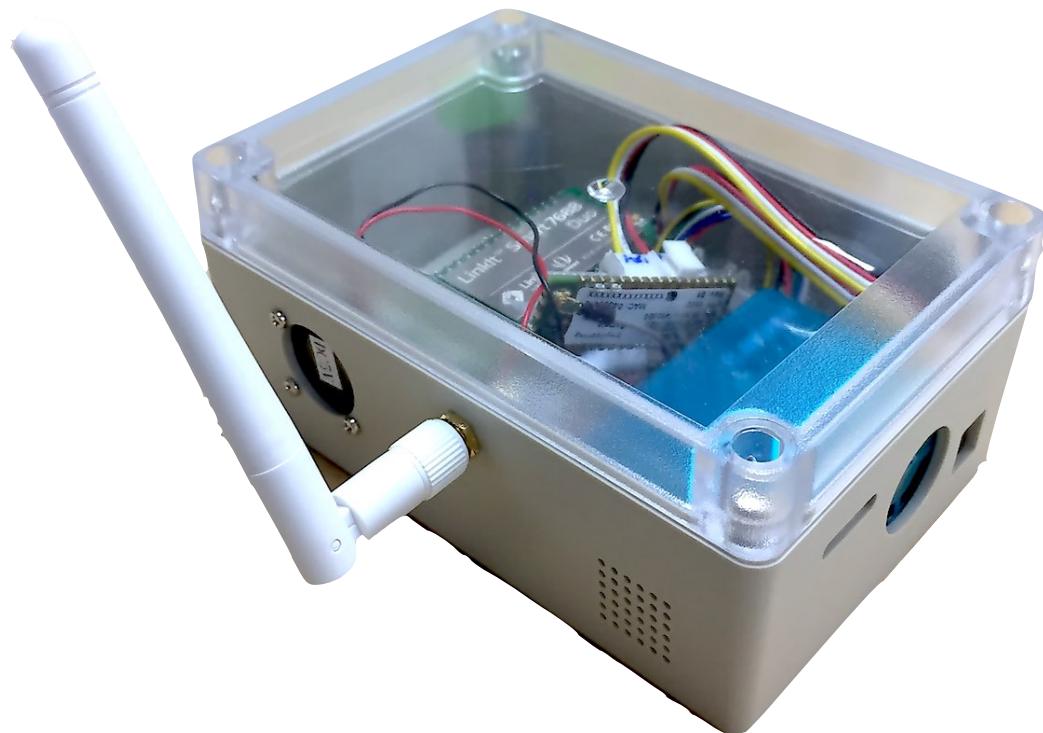
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# Micro Air Pollution Sensing

## User guide

Hu-Cheng Lee - 16 January 2017

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# Set up using browser

## Step 1.

Power on your MAPS.



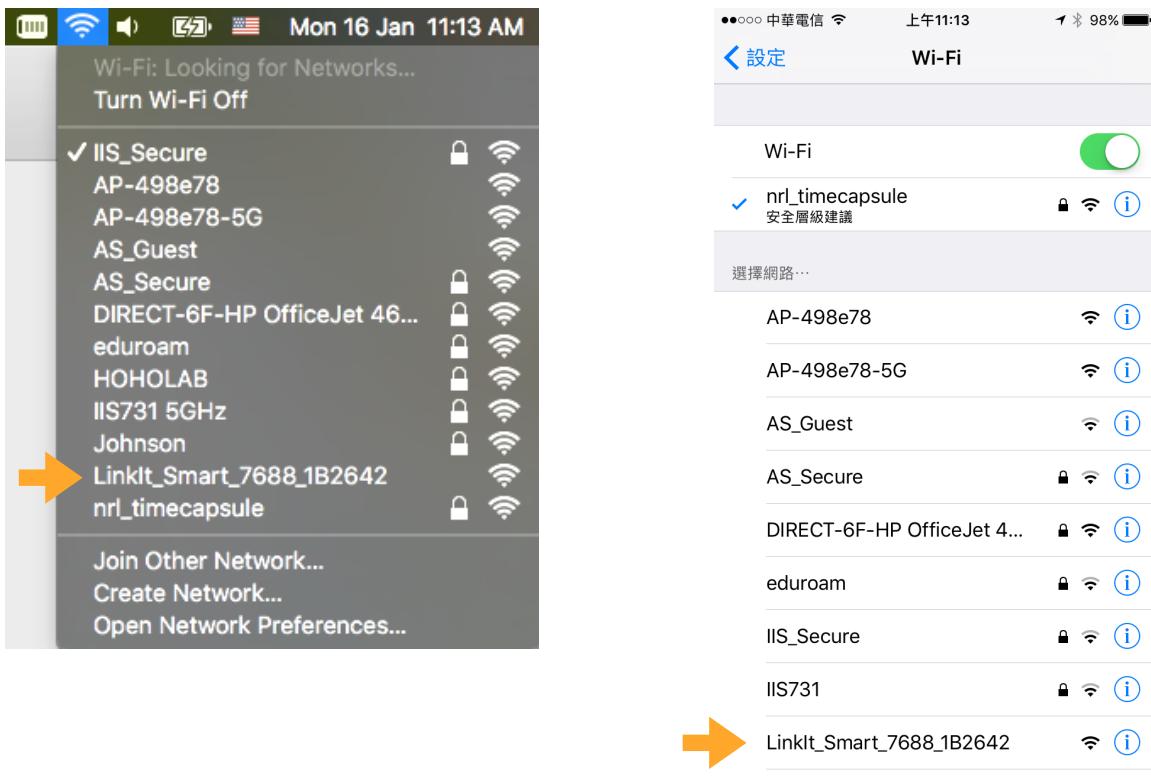
*Connect the power converter to MAPS*



*The red LED will shine for a while, only green LED would keep lighting when MAPS is ready*

## Step 2.

Open your wifi, find an AP which name begins with “LinkIt\_Smart\_7688\_”, and connect it. You’ll find a red LED on LinkIt Smart start blinking, that means you are doing right.



for example, choose *LinkIt\_Smart\_7688\_1B2642*, from your laptop or smart phone

## Step 3.

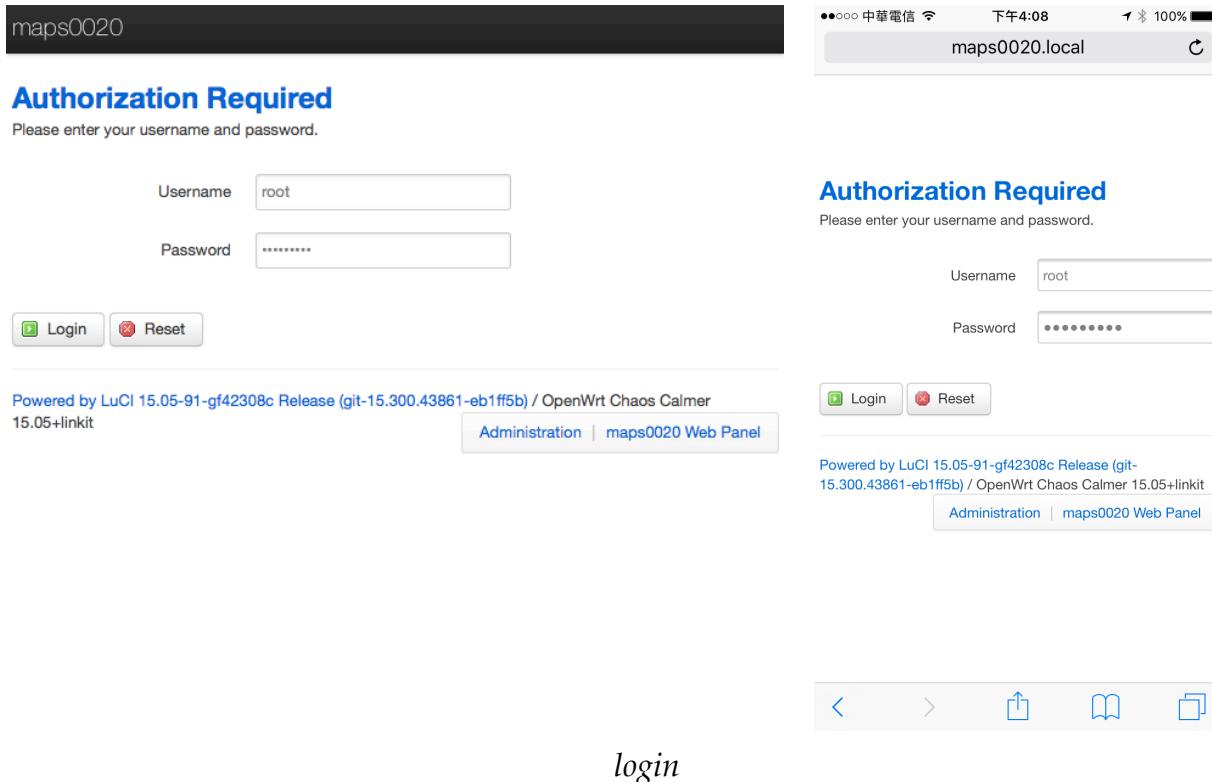
Open your browser and go to <http://mapsooxox.local/cgi-bin/luci>  
“oxox” is your device id number, you can find it on top of your MAPS.



for example, this device id is MAPS-0020, so go to <http://maps0020.local/cgi-bin/luci>

## Step 4.

Default password is iisnrl619



## Step 5.

Set up GPS coordinate, follow

System→GPS configuration

Don't know how to find your current GPS coordinate? see FAQ

This screenshot shows the MAPS user interface. At the top, there's a navigation bar with links for Status, System, Services, Network, and Logout. Below this is a sidebar with a "Status" section containing various system parameters like Hostname, Model, Firmware Version, Kernel Version, Local Time, Uptime, and Load Average. To the right of the sidebar is the main content area. A vertical orange arrow points from the "System" link in the sidebar to the "GPS configuration" option in the dropdown menu that appears when you click "System".

This screenshot shows the MAPS user interface. It has a similar layout to the first one, with a navigation bar at the top and a sidebar on the left. A vertical orange arrow points from the "System" link in the sidebar to the "GPS configuration" option in the dropdown menu. The main content area displays system information such as Hostname, Model, Firmware Version, Kernel Version, Local Time, Uptime, and Load Average.

This screenshot shows the MAPS user interface. It features a "Memory" section with two progress bars: "Total Available" (82932 kB / 126476 kB, 65%) and "Free" (75952 kB / 126476 kB, 60%). Below the memory section are several blue navigation icons: back, forward, search, and others.

### GPS configuration

This screenshot shows the "MAPS GPS setting" form. It includes a note asking users to fill out the form to complete their MAPS GPS setting. There are three input fields: "use fake GPS?" (with a dropdown menu), "Latitude" (25.743596), and "Longitude" (123.471476). At the bottom are "Save & Apply", "Save", and "Reset" buttons.

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Default location is at Senkaku Islands, please enter your current coordinate.

## Step 6.

Set up wifi configuration, follow  
System→MAPS configuration

The screenshot shows the 'MAPS configuration' page. At the top, there is a navigation bar with links for Status, System, Services, Network, and Logout. Below the navigation bar, there is a form titled 'MAPS GPS setting'. The form contains fields for 'use fake GPS?', 'Latitude', and 'Longitude'. On the right side of the form, there is a dropdown menu with options: System, Administration, MAPS configuration, GPS configuration, Software, Startup, Scheduled Tasks, LED Configuration, Backup / Flash, Firmware, and Reboot. A blue arrow points to the 'MAPS configuration' option in the dropdown menu. At the bottom of the page are three buttons: 'Save & Apply', 'Save', and 'Reset'.

The screenshot also shows a second instance of the same page, which appears to be a duplicate or a mirror copy of the first one.

### MAPS configuration

The screenshot shows the 'MAPS wifi setting' page. At the top, there is a navigation bar with links for Status, System, Services, Network, and Logout. Below the navigation bar, there is a form titled 'MAPS wifi setting'. The form contains fields for 'wifi ssid' (set to 'LASS'), 'wifi password' (redacted), and 'use wifi' (set to 'Yes, please.'). On the right side of the form, there is a dropdown menu with options: System, Administration, MAPS configuration, GPS configuration, Software, Startup, Scheduled Tasks, LED Configuration, Backup / Flash, Firmware, and Reboot. A blue arrow points to the 'MAPS configuration' option in the dropdown menu. At the bottom of the page are three buttons: 'Save & Apply', 'Save', and 'Reset'.

The screenshot also shows a second instance of the same page, which appears to be a duplicate or a mirror copy of the first one.

Input your "WiFi SSID", "Password" and choose "Yes, please."

## Step 7

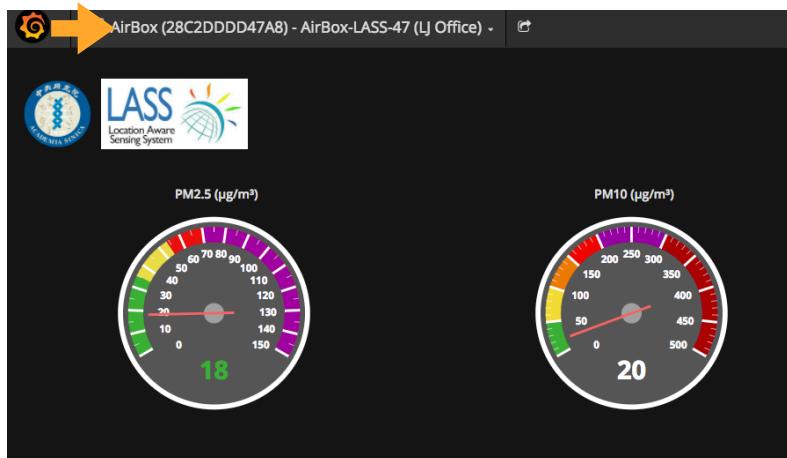
Your MAPS will reboot after step 6.

Wait about 3 minutes, then your MAPS will start pushing data to the cloud!

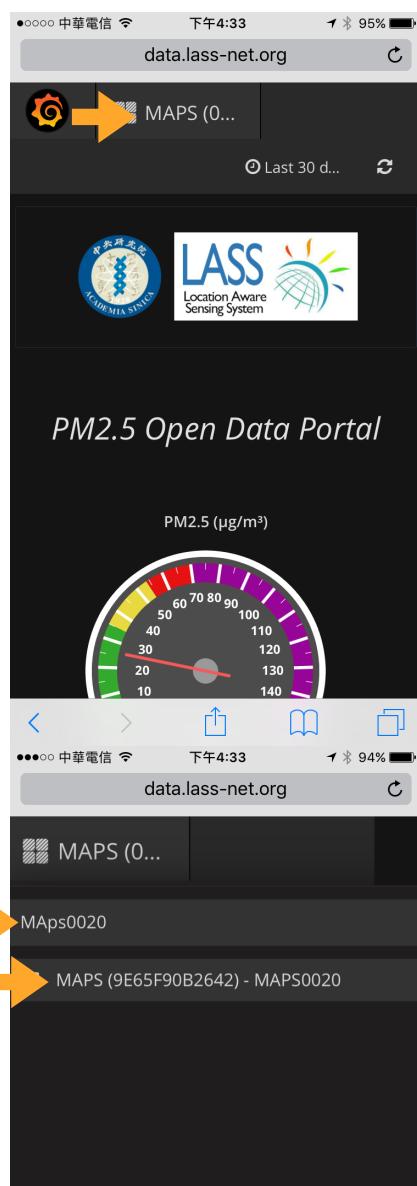
## Step 8

Go to <https://data.lass-net.org/grafana/>

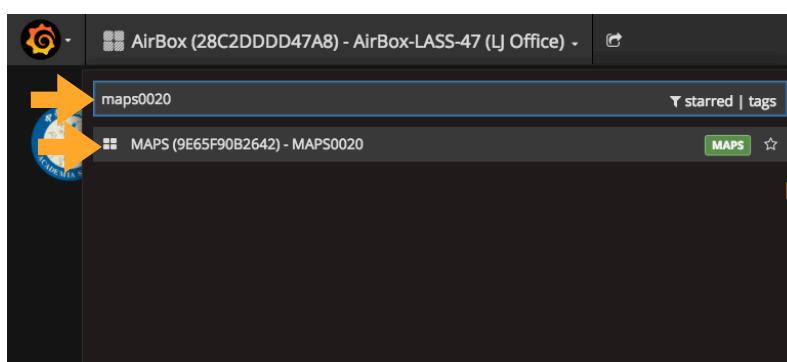
You will find an Airbox dash board, on the top left corner, there is an ID panel, click it, and type in you Device ID for searching, and choose the MAPS in the list below. Enjoyed!



Click it



PM2.5 Open Data Portal



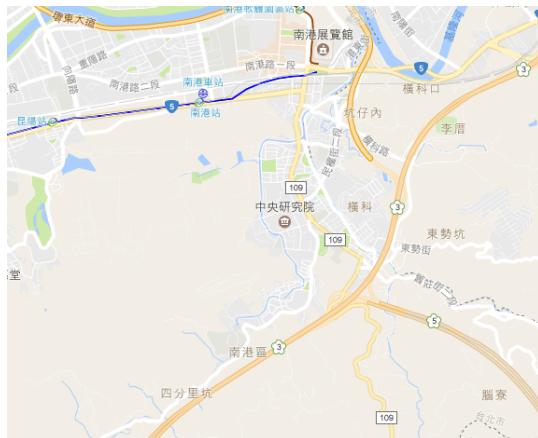
type in your ID for searching (case insensitive), and choose it.  
ex. maps0020

## FAQ

- 1) where to find the latest user guide? (url QR code)  
click [here](#) or scan the QR code for latest user guide.



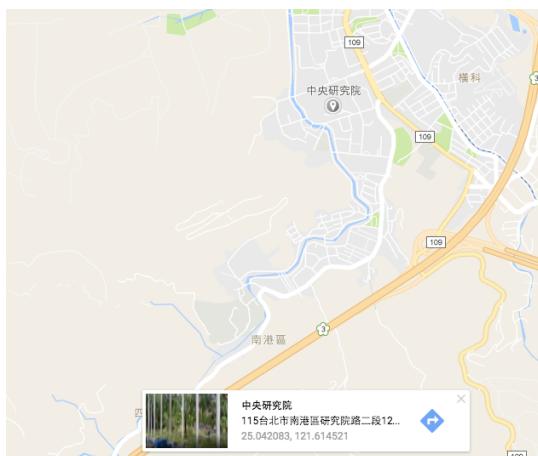
- 2) where is my GPS coordinate?  
go to [google maps](#),



right click on your location



choose "What's here?"



here is your coordinate