
Micro Air Pollution Sensing

User guide

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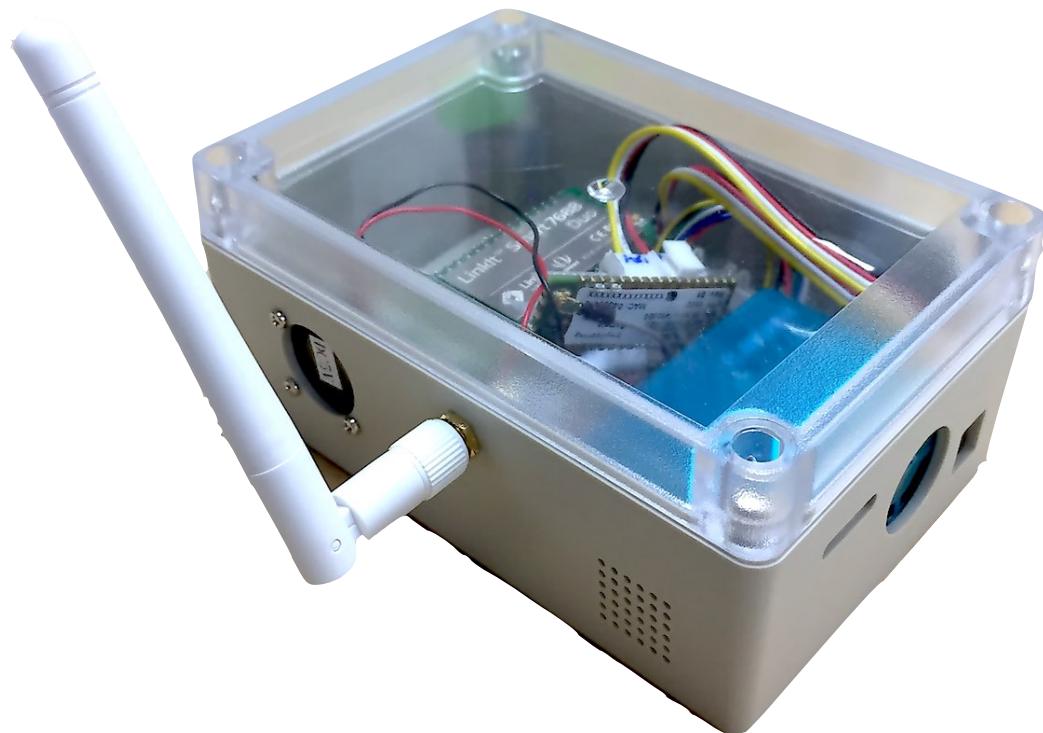


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Set up using browser

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.

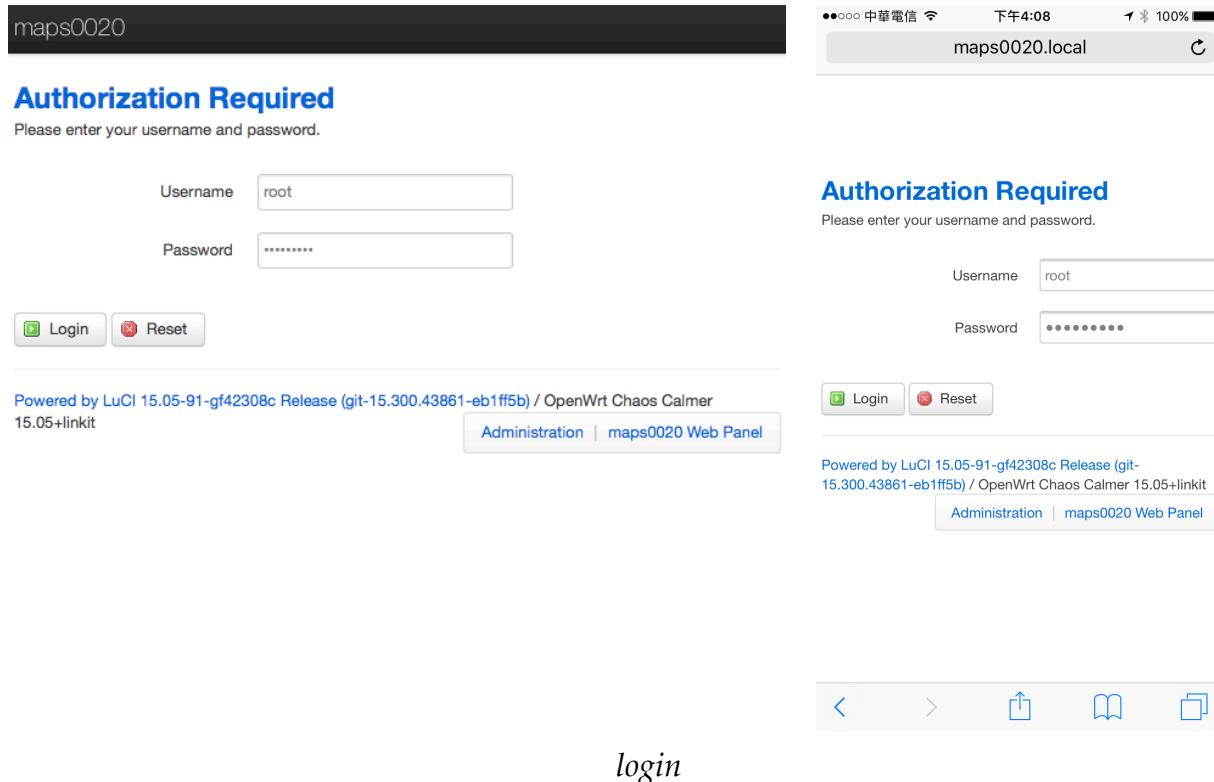
Open your browser and go to <http://mapsooxox.local/cgi-bin/luci>
“oxox” is your device id number, you can find it on top of your MAPS.



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

Step 4.

Default password is iisnrl619

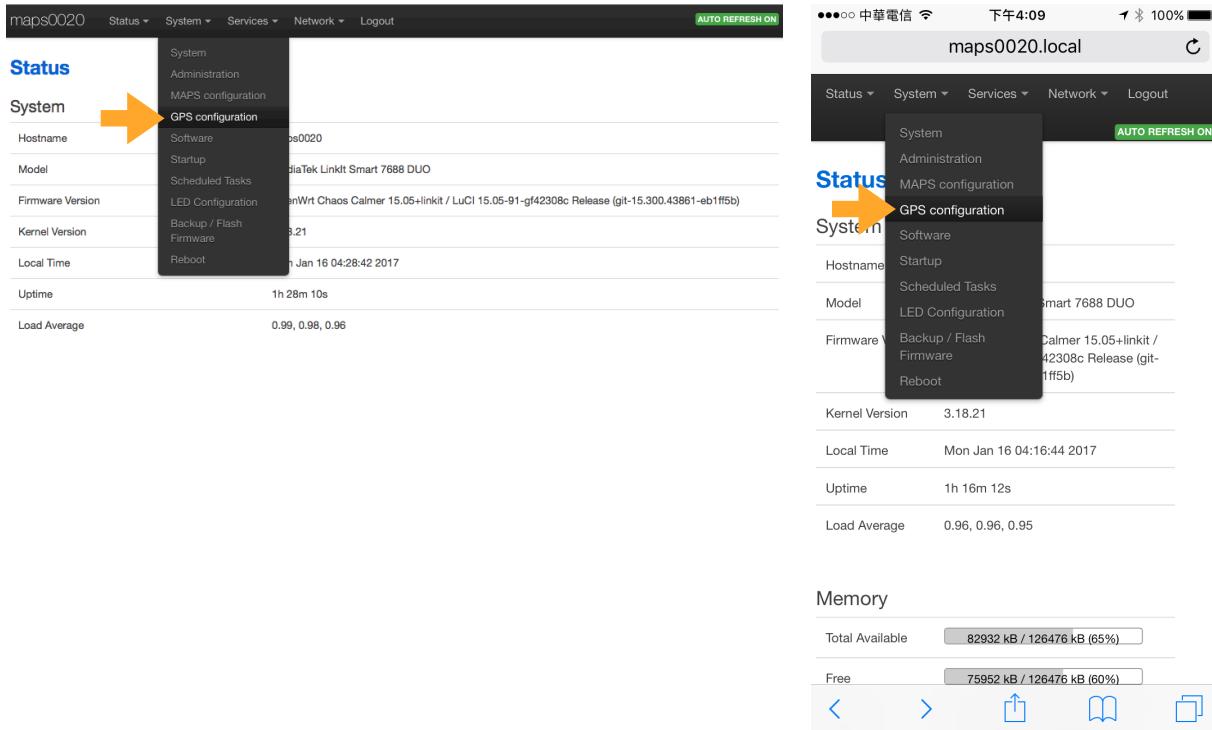


Step 5.

Set up GPS coordinate, follow

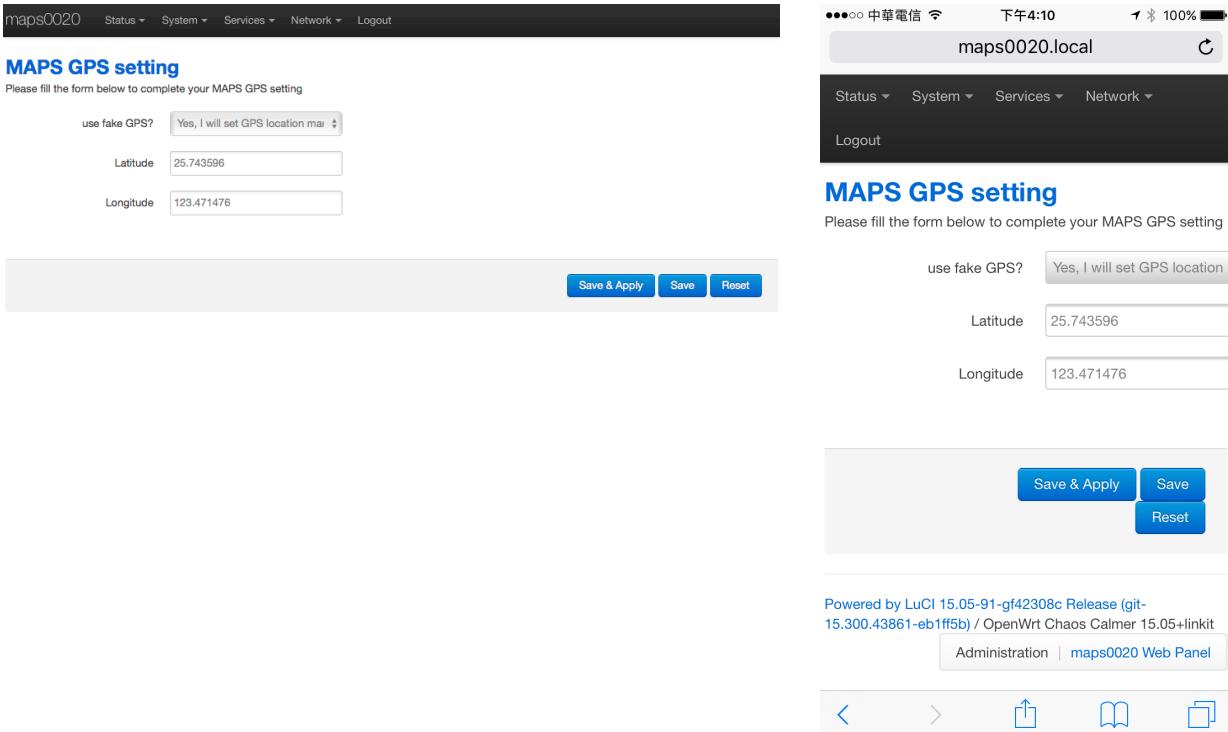
System→GPS configuration

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



The screenshot shows the MAPS Web Panel interface. At the top, there is a navigation bar with links for Status, System, Services, Network, and Logout. A green button labeled "AUTO REFRESH ON" is located in the top right corner. Below the navigation bar, the main content area has a sidebar on the left titled "Status" and "System". The "System" section contains various system status items like Hostname, Model, Firmware Version, Kernel Version, Local Time, Uptime, and Load Average. To the right of the sidebar, a dropdown menu is open under the "System" heading, with "GPS configuration" highlighted by an orange arrow. The main content area displays general system information such as Software (OpenWrt Chaos Calmer 15.05+linkit / LuCI 15.05-91-gf42308c Release (git-15.300.43861-eb1ff5b)), Startup (MediaTek LinkIt Smart 7688 DUO), and scheduled tasks. The kernel version is listed as 3.18.21, and the local time is Mon Jan 16 04:28:42 2017. The uptime is 1h 28m 10s, and the load average is 0.99, 0.98, 0.96. The "GPS configuration" section is currently empty.

GPS configuration



The screenshot shows the MAPS GPS setting page. At the top, there is a navigation bar with links for Status, System, Services, Network, and Logout. A green button labeled "AUTO REFRESH ON" is located in the top right corner. Below the navigation bar, the main content area has a sidebar on the left titled "MAPS GPS setting". The page instructs the user to fill out a form to complete their MAPS GPS setting. The form includes fields for "use fake GPS?" (with a dropdown menu showing "Yes, I will set GPS location manually"), "Latitude" (set to 25.743596), and "Longitude" (set to 123.471476). At the bottom of the form are three buttons: "Save & Apply", "Save", and "Reset". The right side of the screen shows a preview of the MAPS GPS setting page with the same form fields and values. At the bottom of the preview, there is a footer with the text "Powered by LuCI 15.05-91-gf42308c Release (git-15.300.43861-eb1ff5b) / OpenWrt Chaos Calmer 15.05+linkit" and "Administration | maps0020 Web Panel".

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, with identical content and styling.

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' (set to '*****'), 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, with identical content and styling.

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.

Click it

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

Step 9

FAQ

- 1) where to find the latest user guide? (url QR code)
<https://www.google.com.tw/maps/>
- 2) Where is my GPS coordinate?