

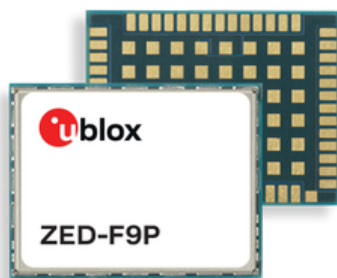


Flo Mobility Pvt Ltd

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GPS-RTK BASE STATION PRODUCT INFORMATION BROCHURE

System Voltage	: 5.0V
Battery Voltage	: 8.4V
GPS-RTK Device Used	: U-BLOX Zed-F9P
Manual Operation Mode	: Local Web-Dashboard
Battery Backup	: 6 - 7 Hours
Battery Charging Duration	: 1.5 - 2 Hours



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Main Features

BLUE WI-FI INDICATOR LED



8.4V DC CHARGING PORT

BOTTOM POWER SWITCH



DURABLE GPS ANTENNA



Web-based user interface

Default System Wi-Fi SSID : Base Flo AP
 Default System Password : Base#Flo123

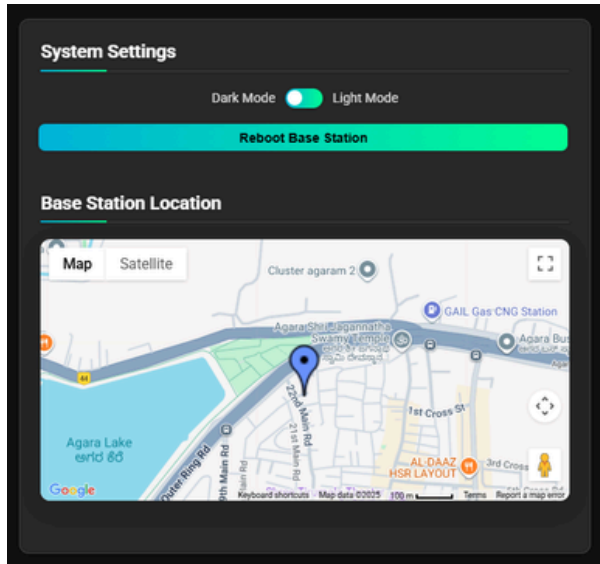
LIGHT-MODE

DARK-MODE

Steps to access the Dashboard

1. Connect to the same network as the base station
2. Open the URL: <http://flo-base-station.local>

Dashboard and Configuration

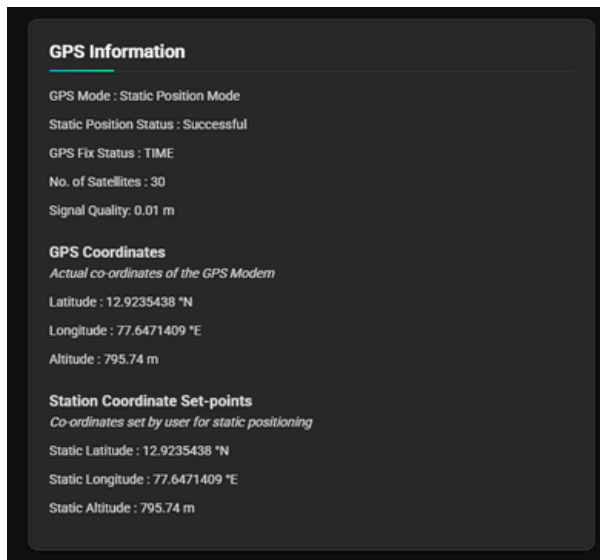
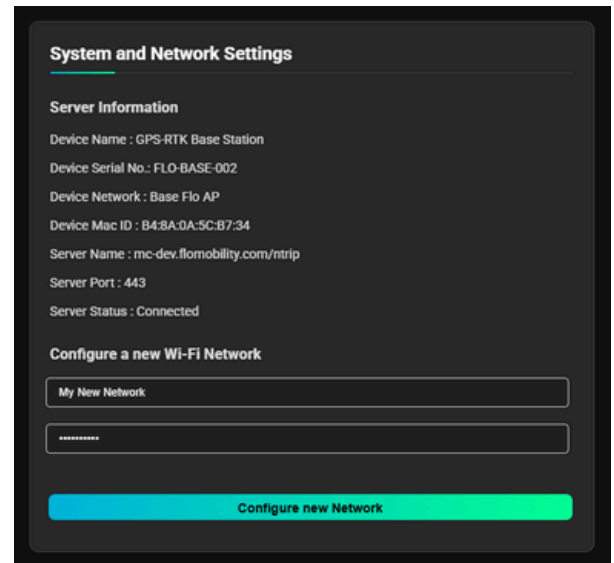


SYSTEM SETTINGS

- The toggle button allows you to switch from dark to light mode.
- Soft rebooting the base station restarts the system and web server.
- View the current location set for your base station on Google Maps.

NETWORK SETTINGS

- View basic device and server information here, like Configured Network, MAC Address, NTRIP Server information and server status.
- Change the currently configured network to a new Wi-Fi network by entering credentials.
- All credentials and data will be saved even if the system powers off or reboots.

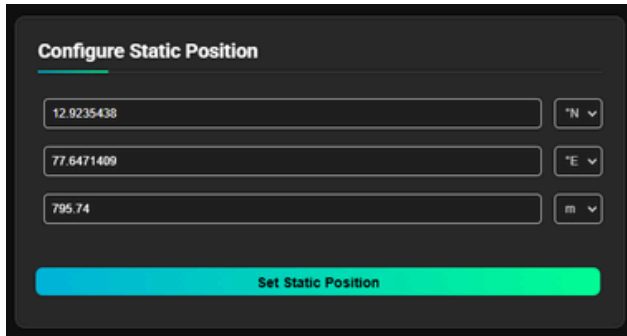


GPS INFORMATION

- View GPS Information such as static/survey-in, GPS Fix, No. of satellites, GPS Accuracy/Quality.
- View the current latitude, longitude, altitude of the GPS module.
- View the last configured static coordinates stored in the system.

Dashboard and Configuration

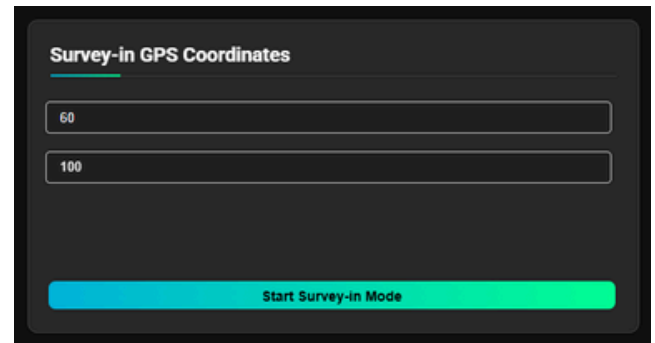
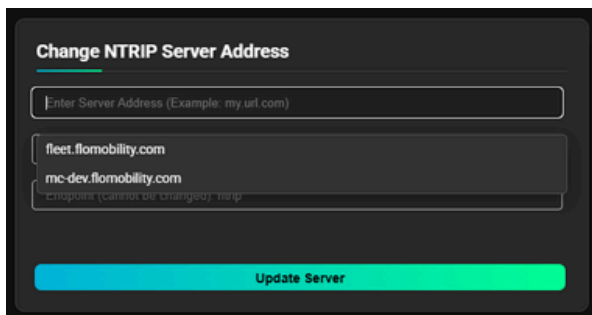
STATIC POSITION



- When you know the coordinates of the base station, you can set them as static.
- All coordinates must be resolved to 1 cm, which means latitude and longitude must have 7 digits after the decimal, and altitude must have 2 digits.
- Ensure to set N/S and E/W correctly; altitude can only be set in metres.

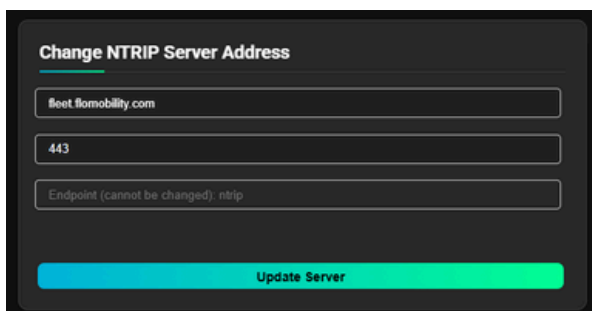
SURVEY IN GPS

- When moving the base station to a new location, survey in to get its GPS coordinates.
- Set the duration (sec) and desired accuracy (cm) to get the coordinates.
- A 60-second period to get an accuracy of 150 cm is generally sufficient.

NTRIP SERVER

- The system connects to the server only using a websocket. The URL of the server must be in the format: `<my.url.com>/ntrip:<PORT_NUM>`
- The URL should be publicly hosted; port 443 (HTTPS) is preferred rather than 80 (HTTP).
- Flomobility's servers: `mc-dev` and `fleet` are default NTRIP server options.





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