



Bumblebee[∞]

Quick reference guide BB / BB-Pro V1.1

Thank you for buying our high-end GPS/Sigfox tracker.

- **First charge the battery.**
 - Connect a general 5V adapter with micro USB output.
 - Wait till the Green LED is off, now the node is fully charged.
- **Install your Bumblebee outdoor in the right position for best performance.**
 - Right up, USB connector bottom side.
 - Antenna's are placed on the LOGO side.
 - Don't place the Bumblebee under metal or other signal blocking materials.
 - Above a certain speed there will be no communication possible, GPS locations will be stored in that case (has to be configured in your profile)
- **Login to the Bumblebee back-end**
 - <https://my.bumblebee-iot.com>
 - Login : your Email address.
 - Password : created by yourself via our conformation mail.
- **There are 2 levels of users; "Reseller" and "Company".**
 - A reseller can create "companies" within his own environment.
 - Per "reseller" and per "company" you have to create a unique user.
 - With that login you will access your own environment
 - A reseller user does NOT have access to the assets of a "company"
- **Every Node should be connect to an Asset.**
 - The license period starts when an asset is connected to a node.
 - Bumblebee-IOT will connect nodes to the reseller.
 - The customer can create an asset by himself by filling in the node no.
- **Make a profile setting.**
 - You can create your own profile per Node or group of Nodes.
 - The factory setting is set on one location message per 12 hours when there's movement it will start sending every 10 min. untill it stops.
 - This profile setting you find in your taskbar.
 - It can take 12 hours before Sigfox upload a new profile, or put power on and off again on the device, update will start directly if there is Sigfox coverage.
- **Google Maps.**
 - If you bought the "Full Version" license you can check your assets on the map
 - When enter the "Show logbook" you can see the last history.

- **Sigfox communication.**
 - Sigfox has a “Fire and Forget” protocol – means there is no check if the message is received by the Sigfox server. That’s why we can’t guaranty a 100% receivment of all messages.
Because of that we designed the BBP (bumblebee buffer protocol).
This protocol is checking 2 times a day which messages are missing and ask the node to send them again and place them on the right position on the time line. The Node can store a max of 126 messages and will be overwrite after that. Even with this BBP we still can’t guarantee a 100% receivment.
- **Sigfox Coverage.**
 - Sigfox has a very good coverage in more than 100 countries.
But there are blindspots and so no communication.
We can check them for you if there is a problem.
- **Sigfox Zones.**
 - Our standard devices are designed to use in Sigfox Zone 1 (EMEA)
- **API.**
 - If you like to use our REST API please check the next link :
<https://my.iobee.eu/docs/api>
- **Support.**
 - If you need support please send an Email to :
support@bumblebee-iot.freshdesk.com