Communication Green Base Station Module Parameter Setting Specifications

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How do I set up a ground station?
Start with base module setup first. During the base station setup, the rover and the UAV do not need to be turned on. Open the Mission Planner ground station software on your computer and go to the initial setup -> Optional Hardware -> RTK / GPS Inject page. You will see the following page:
 Which USB port does the here + base station module use?
The HERE + base station module uses the USB port for data communication and RTK outputs. If you need to confirm the current settings, go to "View->Messages view -> UBX -> CGF -> PRT" and select 3-USB in the Target field. The correct input and output protocols are shown below:
 What is the time mode of a base station?
TIME Mode of base station requires: 5 GPS satellite signals +2 GLONASS satellite signals in the strength of 40 or more; or 5 GPS satellite signals +3 Beidou satellite signal in the strength of 40 or more. As shown in the figure below, only one satellite strength is higher than 40, the signal condition does not meet the RTK standard.
 How many satellite signals should a base station have?
At least eightor more satellite signals need to be guaranteed to exceed the red line (Only when the satellite signal exceeds the red line,the effective number of satellites have been connected). The base station needs a certain amount of time to meet the accuracy requirements of your input.

Highjoule HJ-SG-R01 Communication Container Station is used for outdoor large-scale base station sites. Communication container station energy storage systems (HJ-SG-R01) Product ...

In the RTCM box it shows that the base status indicator is green and both GPS and Glonass satellite systems are green (if you want to change the satellite system, refer to the following ...

The green bar at the lower part of the Mission Planner page shows the satellites being detected and the signal strength related to each satellite. The base station needs a certain amount of ...

The HERE + base station module uses the USB port for data communication and RTK outputs. If you need to confirm the current settings, go to "View->Messages view -> UBX ...

Several techniques have been deployed to reduce the energy consumption of the base station in what is called a green base station. This paper presents an insight into these approaches and ...

To upgrade the base station module, connect it to your computer"s USB interface using a USB cable. To initiate the U-center ...

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After the base station is set up, you can turn on the UAV. Using the same telemetry module to connect Mission Planner, the base ...

For base stations the 3GPP specification TS 38.141 covers transmitter and receiver characteristics of base stations as well as receiver performance under noise and fading ...

The green base station solution involves base station system architecture, base station form, power saving technologies, and application of green technologies. Using SDR-based ...

After the base station is set up, you can turn on the UAV. Using the same telemetry module to connect Mission Planner, the base station data will be transmitted through ...

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