

Demonstration video QA

English Version · Product Technical Q&A

I. GPS Positioning Automatic Reporting

Q1: What positioning technology is used for the battery pack?

A: Utilizes dual-mode positioning technology, namely the combined positioning system using both BeiDou and GPS modules.

Q2: What is the positioning accuracy?

A: The positioning accuracy ranges from 1 to 2 meters.

Q3: When the device is not yet online, what location is displayed on the map?

A: When the device has not been calibrated, the coordinates are displayed at the map origin (the default initial position).

Q4: What does the device do upon its first power-on and connection to the network?

A: When the device is powered on and connected for the first time, it will automatically report its current latitude and longitude coordinates; as a result, the device's location marker on the map will be updated to reflect its actual position.

Q5: Will the positioning information be updated after the battery pack is powered on again?

A: Yes. After powering off the device and moving it to a new location, then powering it back on, the device will automatically report its new positioning information, and the device's coordinate point on the map will be synchronously updated.

Q6: Does the device require a manual refresh after being powered on again?

A: The device automatically reports its new location; refreshing the page allows you to see the latest changes in the device's position on the interface.

II. Lamp Post Angle Initialization

Q7: What technology is used to detect the inclination of a light pole?

A: A three-axis acceleration sensing chip is used to detect the tilt angle of the light pole.

Q8: What is the measurement accuracy for the tilt angle?

A: Measurement accuracy reach $\pm 1^\circ$.

Q9: How to initialize the light pole angle?

A: The operating procedure is as follows:

1. Access the Light Pole Sloping Configuration Page
2. View the current lamp pole tilt angle
3. Click the Initialize button
4. After the page is updated, the angle is initialized to 0 degrees.

Q10: What is the purpose of initialization?

A: Set the actual installation posture of the current lamp pole as the reference zero point (0°); all subsequent tilt detection calculations will use this initial position as the reference point.

III. Light Pole Tilt Alarm

Q11: What information is displayed on the tilted lamp pole page?

A: After accessing the Light Pole Sloping page, you will see:

- Current angle: Real-time detected tilt angle
- Alarm status: Displays "No Alarm" or "Alarm Active"
- Alarm Threshold: Predefined angle value for triggering an alarm (set to 20 degrees in this demonstration)

Q12: Can the alarm threshold be configured?

A: Yes. The alarm threshold set in the demonstration is 20° ; users can adjust it on the configuration page according to their actual needs.

Q13: How is the tilt alarm triggered?

A: When the device detects that the tilt angle exceeds the predefined alarm threshold, the system will automatically trigger an alarm. For example, if the detected tilt angle reaches 28 degrees – which exceeds the 20-degree threshold – the system will automatically display a pop-up notification indicating a tilt alarm.

Q14: What notification will the system display when an alarm is triggered?

A: The system will automatically display a pop-up alert for tilt detection; regardless of which page the user is currently on within the system, this alert pop-up will appear to notify the user.

Q15: Does the tilt alarm need to be triggered on a specific page?

A: No need. During the demonstration, simply switch to any page within the system, then tilt your device – the system will still display a pop-up alert for tilt detection – which indicates that the alert is based on global real-time monitoring and does not depend on the current page you are viewing.