

Base Station Usage Guide

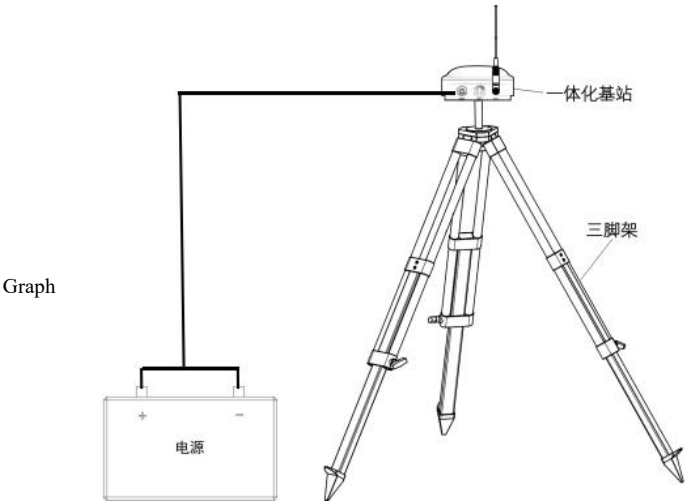


The information is for reference only. The final interpretation is the property of the manufacturer

1. Device Setup

1. Dead Work

The integrated base station, triangular bracket, data transmission antenna, battery or power cable (if using power cable, a battery is required) are shown in Figure 1 and 2.



2. Base Station Installation Method

① 1. Set up the Tripod in an Open Area at the Field Edge; 2. Place a Circular Washer on the Platform Above the Tripod, Then Tighten the Hand-Tightening Screw on the Tripod.

① Pass the bolt through the center hole of the circular washer to secure the extension rod; ② Tighten the mushroom-head antenna onto the extension rod for a firm and immovable connection during operation; ③ Install the data transmission antenna, then tilt it upward after installation for enhanced signal reception; ④ Mount the base station on the tripod using the rear back clamp at the designated position; ⑤ Prepare the power supply and connect it according to the diagram in Figure 1: connect the red clip to the positive terminal and the black clip to the negative terminal. Reverse polarity is strictly prohibited. If using batteries, simply install them accordingly.

3. Matters Need Attention

① Base Station Installation Requires Additional Power Supply. It Is Recommended to Use Standard 12V DC Battery to Avoid Equipment Damage Due to Unstable Voltage.

② To ensure proper operation of the base station, the power supply voltage should not be set too low. When voltage drops occur, promptly recharge the battery. ③ For optimal performance of the ground-level control system, the base station should be installed within the signal coverage range. It is recommended to install it at the edge of the ground. ④ When installing the base station at the edge of the ground, avoid high-rise buildings, vegetation, or other obstructions that could block the signal. ⑤ Keep the base station away from airports, high-voltage lines, substations, and similar facilities to prevent signal interference. ⑥ Ensure the tripod is securely mounted to prevent the base station from being blown over by strong winds during operation. ⑦ Connect all accessories before plugging in the power supply. Never plug or unplug accessories while powered on.

2. After Installation, Check the Base Station Indicator Light

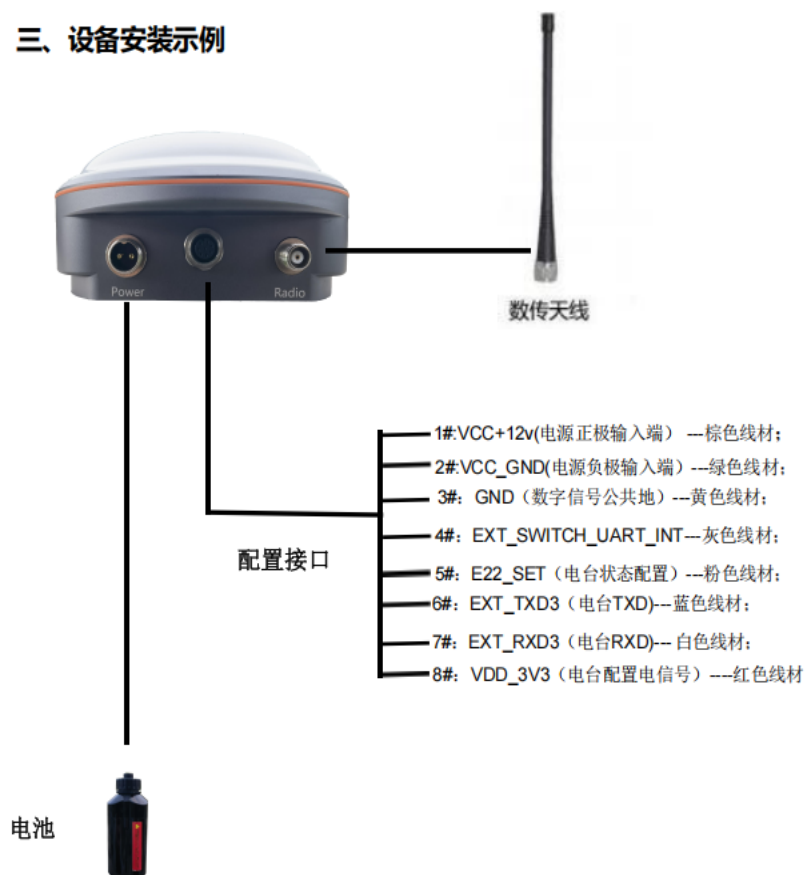
After the Installation, Check the Indicator Lights. If All Are Normal, You Can Start Using It.



1. The red power light stays on normally (if it flickers, the power is high or low and needs to be replaced)
2. The green data transmission indicator blinking indicates normal operation
3. The blue satellite light stays on normally (flashing indicates insufficient satellites)
4. The yellow light stays on when the Bluetooth light is connected

3. Equipment Installation Example

三、设备安装示例



IV. Radio Configuration

First: the Brown Wire Connects to the Positive Pole, and the Green Wire Connects to the Negative Pole.

Step 2: Short the Red, Pink, and Gray Wires.

Step 3: Establish Communication Via Blue, White, and Yellow Wires, Then Connect to the Computer Through a USB-to-TTL Serial Port.

Step 4: Open RF Setting



① Select serial port

② Open the serial port

③ Read parameters



After successful reading, start local configuration



① Set the baud rate to 115200bp

② Select the air speed as 19.2Kbps

③ Select WOR role as sender

④ Select the transmission method as pass-through

⑤ Set module address

⑥ Set frequency channel

Note: The WOR role sender and receiver must maintain consistent air rate, module address, and frequency channel.

FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept

any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement

To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20 cm between the radiator and your body, and fully supported by the operating and installation configurations of the transmitter and its antenna(s).