

LiBase 2

Quick Start Guide



LiBase 2 Receiver Main Unit Assembly



- a) UHF Radio Antenna Interface
- b) Power Indicator Light
- c) Charging/Data Transmission Interface
- d) SIM Card Slot
- e) Visual Staking-out Camera
- f) Speaker

LiBase 2 Receiver Main Unit Assembly



a) Power Button

b) Instrument Status

Indicator Light

LiBase 2 Indicator Light

The LiBase 2 is equipped with two LED indicators and one set of power indicators to show the receiver's current working status, allowing users to judge the device's operating condition based on the status of these indicators.

Indicator	Status	Description
	Light off	When no charger is connected, briefly press the Power Button to display the battery level (each bar represents 25%)
	Green light flashing	When the charger is connected, Charging in progress
	Green light solid on	When the charger is connected, Charging complete

Indicator	Status	Description
	Green/Blue Light Solid On	No Differential Received / No Static Recorded
	Green/Blue Light Flashing	Differential Received / Static Recorded (High Priority)
	(Note) Green = Bluetooth Disconnected; Blue = Bluetooth Connected	
	Light Off	Not Positioned
	Green Light Flashing	Positioned
	Green Light Solid On	Fixed Solution Status
	Red /green lights flash alternately	GNSS mainboard abnormality

LiBase 2 Buttons

Button	Description
	● Power On Press and hold the power button until the host beeper sounds, indicating the device is powered on.
	● Power Off Press and hold the power button until the host voice prompt asks, "Shut down the device?" Press the power button again to confirm and power off.
	● Status Inquiry While the device is operating, briefly press the power button. The device will then voice broadcast its current working status.

Charging the LiBase 2

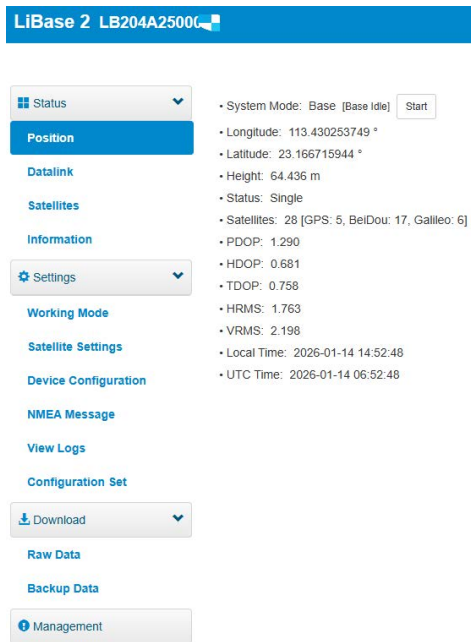
Insert the USB-Type-C power cable into the LiBase 2 receiver and the standard-configured charger respectively. Connect the charger to a power source. The power indicator of the LiBase 2 will show the charging progress. A solid green power light indicates that charging is complete.

Data Transmission

Insert the USB-C to USB-A data cable into the LiBase2 receiver and the computer respectively. Turn on the receiver. Users can use the USB flash drive mode to download data.

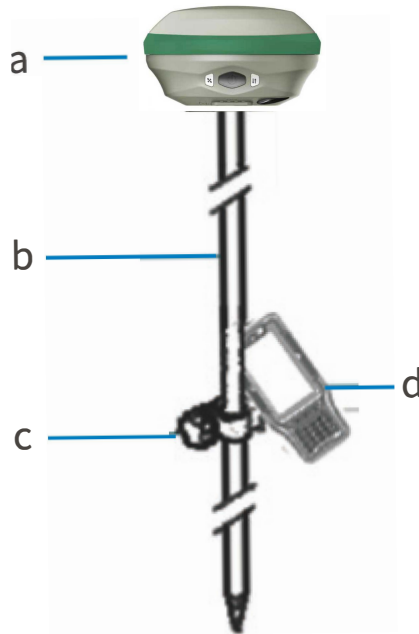
LiBase 2 WebUI Operation

The LiBase 2 receiver supports WebUI mode. Users can connect to the receiver via WiFi and use WebUI to perform tasks such as receiver configuration, data download, and firmware update.



1. Enable the WiFi mode of the LiBase 2 receiver;
2. Search for the hotspot named after the LiBase 2 receiver's serial number on the mobile device and connect to it;
3. Enter 192.168.10.1 in the browser to access the LiBase 2 WebUI settings page;
4. Enter the admin password: password to perform operations like receiver configuration, data download, and firmware update.

Instrument Setup – Rover Station



- a) LiBase 2 Receiver
- b) Centering Rod
- c) Controller Mount
- d) Controller

Steps	Operating Instructions
1	Mount and secure the controller mount on the centering rod;
2	Place the controller in the controller mount and tighten the screws to fix it;
3	Place the LiBase 2 receiver on the centering rod;
4	Press and hold the power button to turn on the receiver;
5	Open the LiSurvey 2.0 measurement software via the controller;
6	Create a new project;
7	Connect the rover station receiver via Bluetooth;
8	Configure the rover station data link and differential format;
9	Check if the LED indicator shows the rover station reception status;
10	Complete the rover station setup;
11	Solve the transformation parameters and perform known-point calibration;
12	Conduct surveying operations such as measurement/staking-out.

Electronic Instruction Manual and Supporting Software

The detailed software operation manual, supporting software, and other materials are stored in the root directory of the controller. A copy of the software operation manual is also available via the help button in LiSurvey 2.0. You can obtain them by connecting the controller. For product and software update information, please visit <https://www.greenvalleyintl.com/> to check.