

B-Speech[®]
GPS 12C

**GPS12C Bluetooth
GPS Receiver User
Manual**

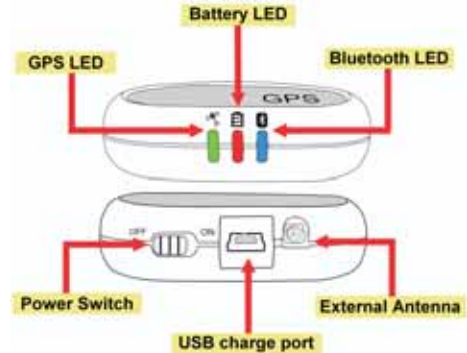


▶ Packing List:

Congratulations on your purchase of the GPS12C Bluetooth GPS Receiver. We hope it will be useful to you a long time. Before you begin, make sure that your package includes the following items. If any of these items are missing, please contact your local dealer or distributor.

1. B-Speech GPS12C Bluetooth GPS Receiver
2. Car Cigarette adapter
3. User's guide

▶ Buttons and Functions:



1. GPS LED (Green):

- I. LED blinking (1 time/ 1sec): Satellite signal receiving.
- II. LED blinking (1 time/ 3sec): Satellite signal searching

2. Battery LED (Green/Red):

- I. Green: battery is full charge.
- II. Red: Battery is charging.

3. Bluetooth LED (Blue):

- I. LED blinking (1 time/ 1sec): Power ON.
- II. LED blinking (1 time/ 3sec): Bluetooth Connecting

4. Power Switch:

Switch on or off

5. USB Charge port:

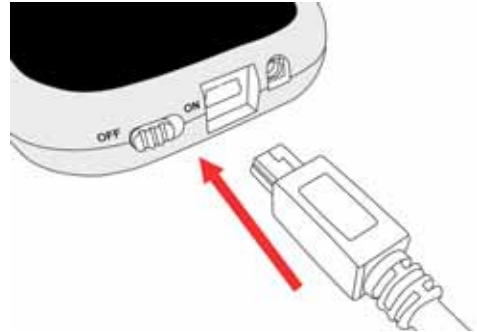
Power Charge Connector

6. External Antenna port:

Connector type: MMCX Connector, Active power voltage: 5V

How to charge battery of GPS12C:

1. Insert the mini USB plug from USB cable into the mini USB port of GPS12C.



2. Lights red while the battery is being recharged and Green when charging is complete

How to connecting external antenna:

Insert the MMCX connector from external antenna into the external antenna port of GPS12C.



Notice: active antenna top side should face to open sky without any cover to get best performance

Specification:

General	GPS chipset: Prolific PL6313 Frequency: L1, 1575.42MHz C/A Code: 1.023MHz chip rate Channel: 12
Accuracy	Position: 5m CEP
Sensitivity	To-152dBm tracking, superior urban canyon performance
Datum	WGS-84(or upon demand)
Acquisition Rate	Cold start: <45sec Warm start: <35sec Host start: <5sec Reacquisition: <1sec
Dynamic Conditions	Altitude: 18,000m max Velocity: 515m/sec max Acceleration: <4g
Interface	Communication with host platform via Bluetooth (class 2) serial port profile Bluetooth communication distance 10M (typical) GPS Protocol: Default: NMEA-0183(V3.01)=GGA(1)
Power	Rechargeable 5VDC 720mAh, Li-Ion battery Operation Current: 75mA (typical) Operation Time: Continuous 9 hrs (max) after full charge

Environmental	Operating Temp:-20°C to +60°C Storage Temp: -10°C to +50°C Relative Humidity: 5% to 90% non-condensing
External active antenna connector	Connector type: MMCX Active power voltage: 5V
Car Cigarette adapter	Input: DC 12~24V Output: DC 5V, 500-800mA
GPS Hardware setup	Baud rate: 4800bps
Dimension	64 mm (L) x 56 mm (W) x 16.5mm (H)
Weight	47 gram
Limited Warranty	One year

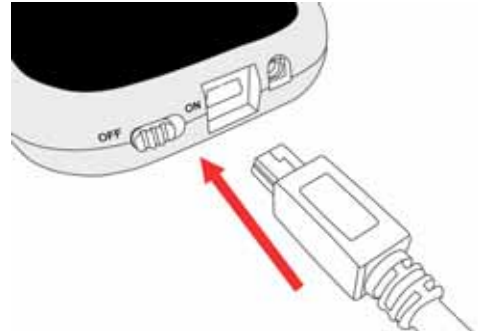
Q & A

1. After all set up procedure, cannot fix the position.

Ans: check your handheld device & GPS12C both bluetooth had been linked. Check your handheld device bluetooth use which com port? Then check your handheld device navigation software about satellite receiving rate had start show NEMA numbers or not?.

How to charge battery of GPS12C:

1. Insert the mini USB plug from USB cable into the mini USB port of GPS12C.



2. Lights red while the battery is being recharged and Green when charging is complete

