

## UT-106 Bluetooth GPS Receiver User Manual



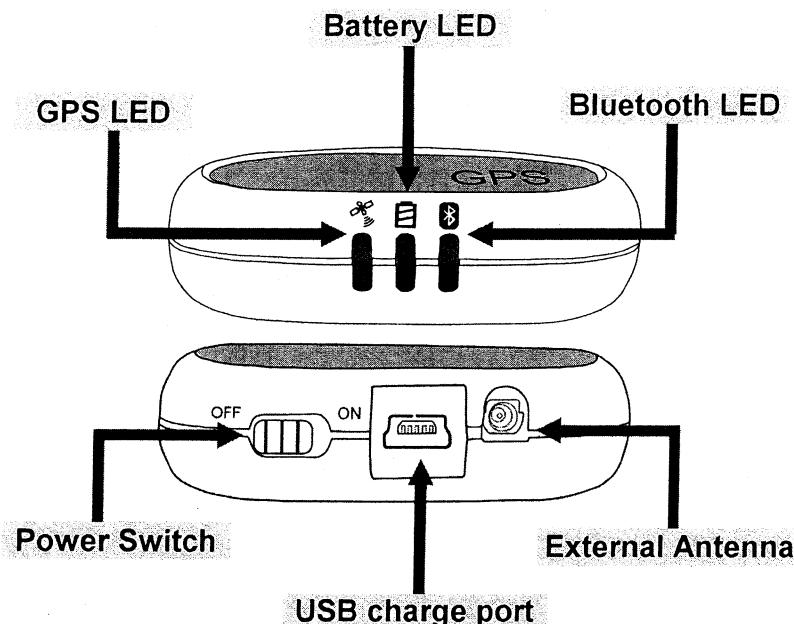
### Packing List:

Congratulations on your purchase of the UT-106 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. UT-106 Bluetooth GPS Receiver
2. Car Cigarette adapter
3. USB cable
4. 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

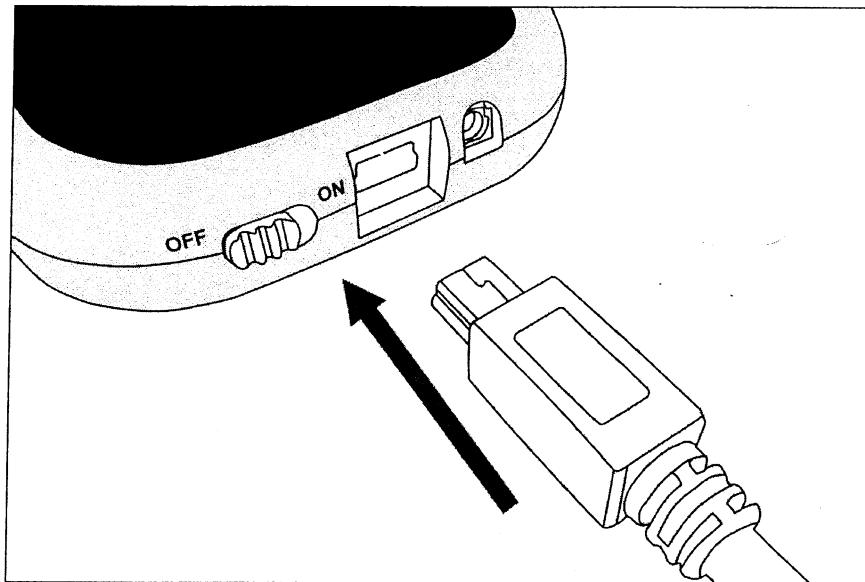
### 6. External Antenna port:

Connector type: MMCX Connector, Active power voltage: 3.3V

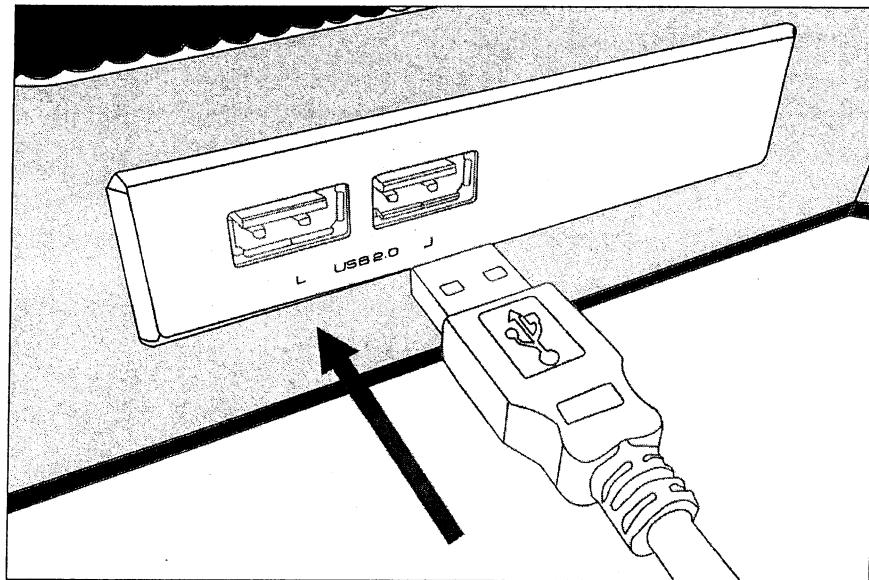


## How to charge battery of UT-106:

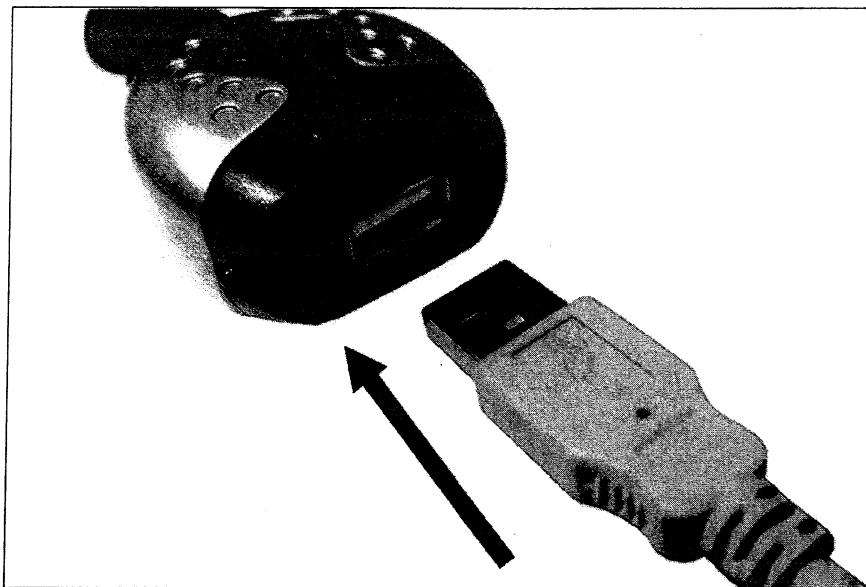
1. Insert the mini USB plug from USB cable into the mini USB port of UT-106.



2. Insert the USB A type plug from USB cable into the USB port on your computer.



3. Or USB A type connector insert the car cigarette adapter and car cigarette adapter insert in the cigarette lighter socket.

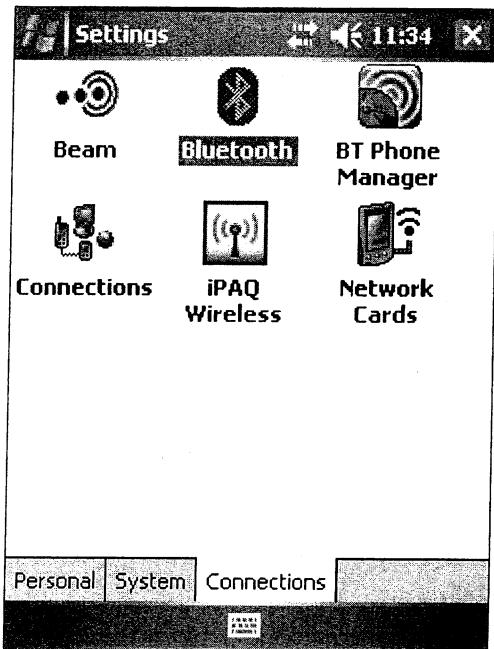


4. Lights red while the battery is being recharged and Green when charging is complete

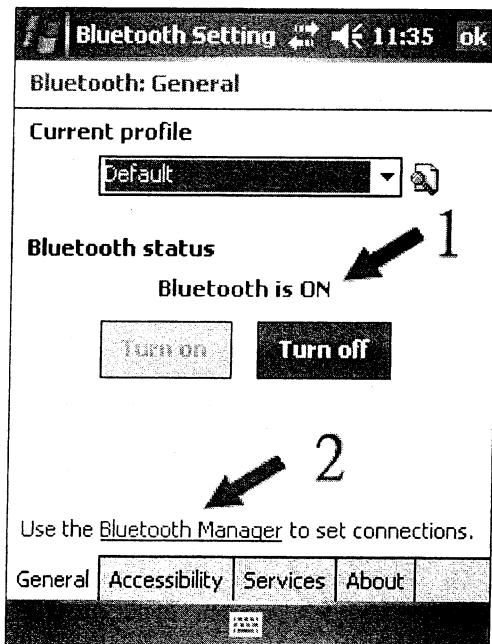
※ The mini USB port of Skypephone only support DC power charge, no support data transmission.

## Setup on Windows Mobile system:

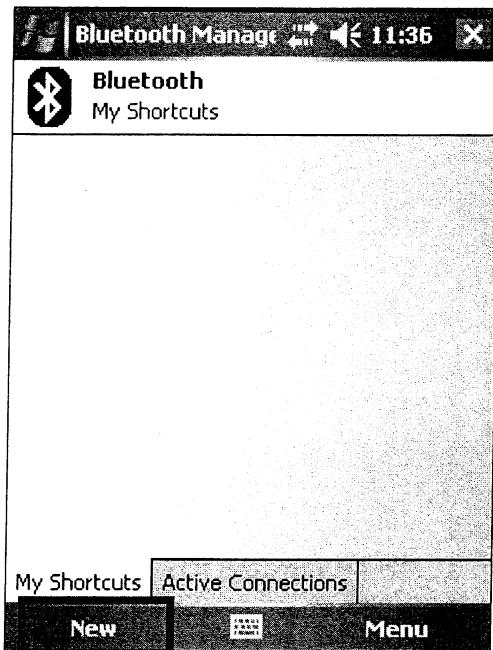
1. Tap  > **Settings** > **Connections** tab, click **Bluetooth** icon.



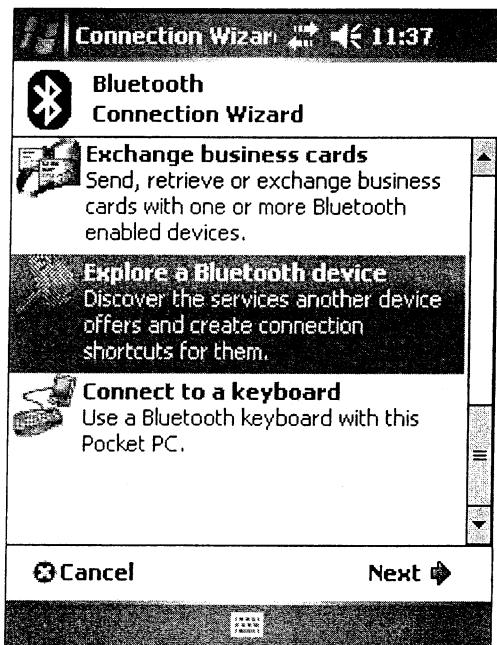
2. Turn on the **Bluetooth**, and run the **Bluetooth Manager** to set connections.



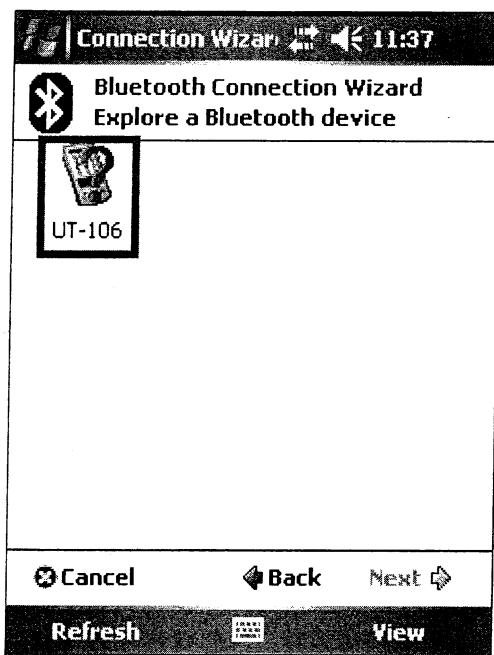
3. When the **Bluetooth Manager** is ready, please click "New".



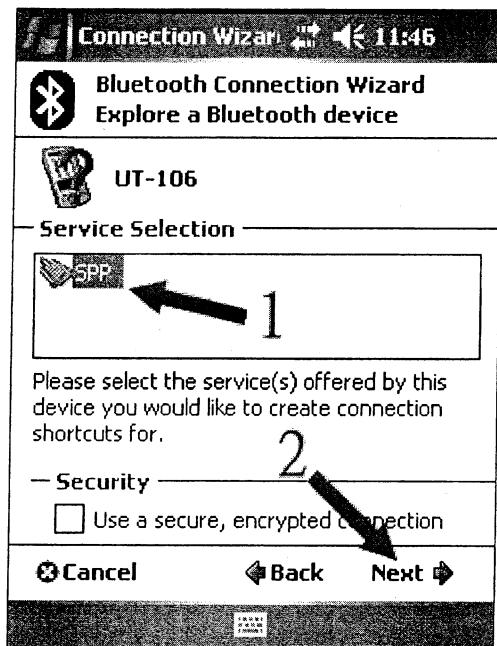
4. Select and click "Explore a Bluetooth device".



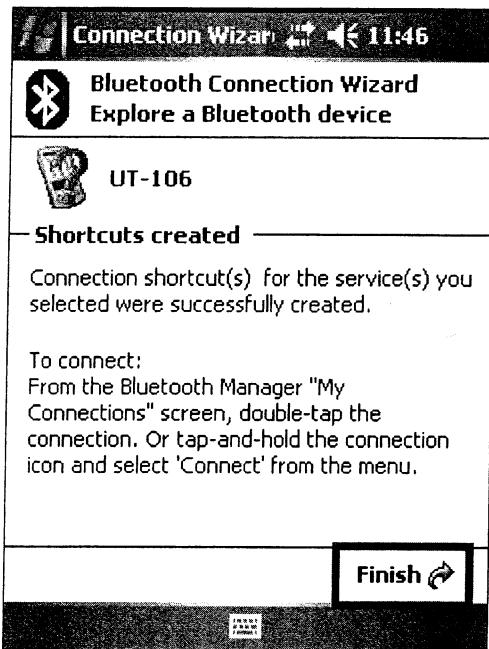
5. When the **Bluetooth Manager** find the "UT-106", click the "UT-106".



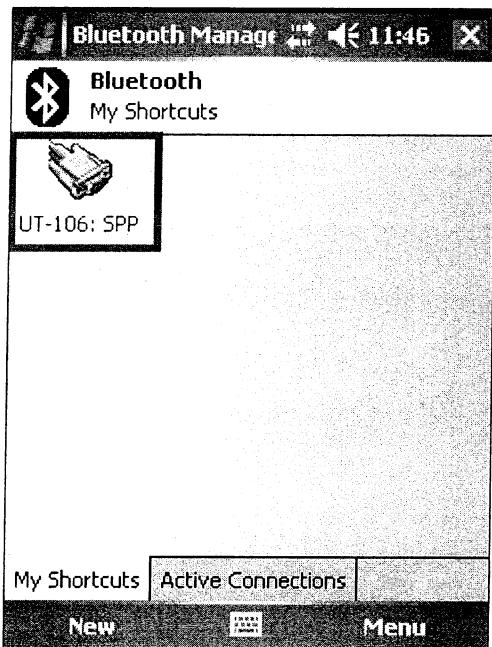
6. Select "**SPP**", and click "**Next**".



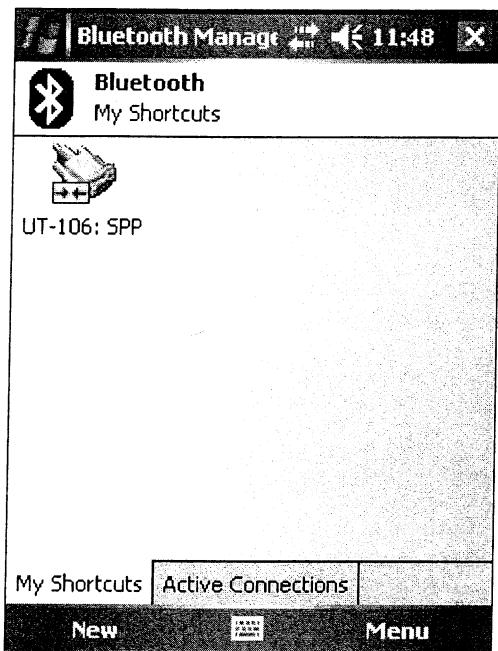
7. Click "Finish".



8. Double click the "UT-106: SPP"



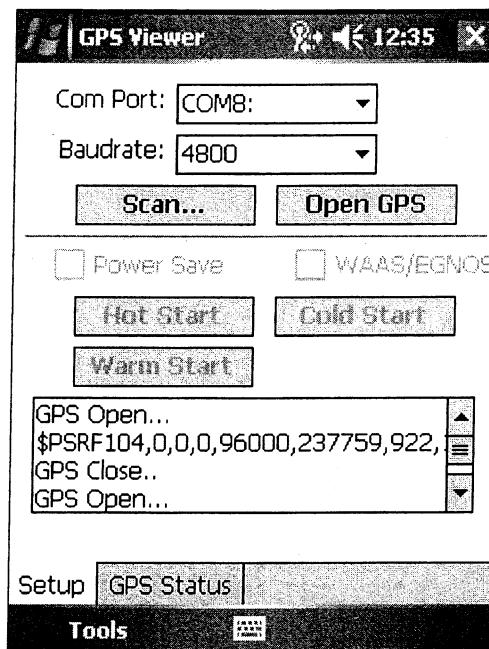
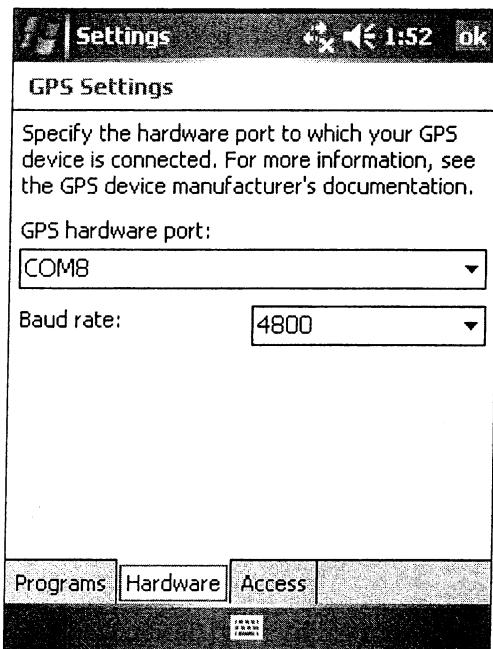
9. Now the Bluetooth GPS Receiver is connecting.



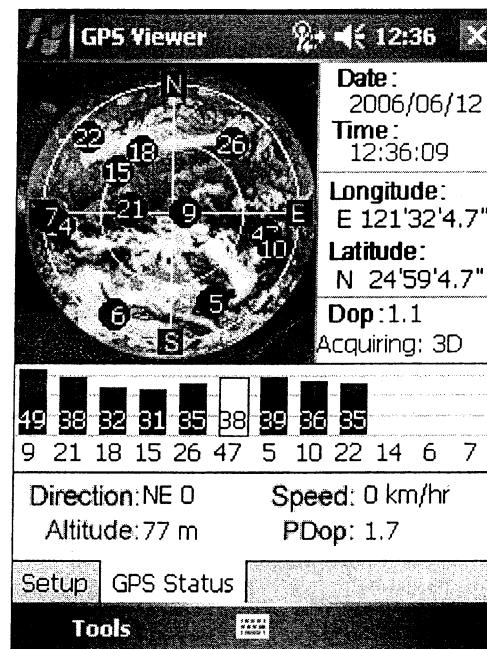
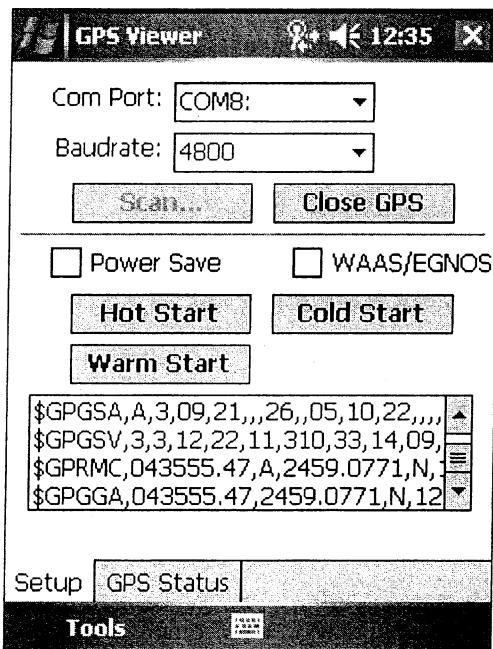


## GPS Program Hardware setup:

- Run the GPS programs, to set the GPS hardware port: COM8, Baud rate: 4800bps

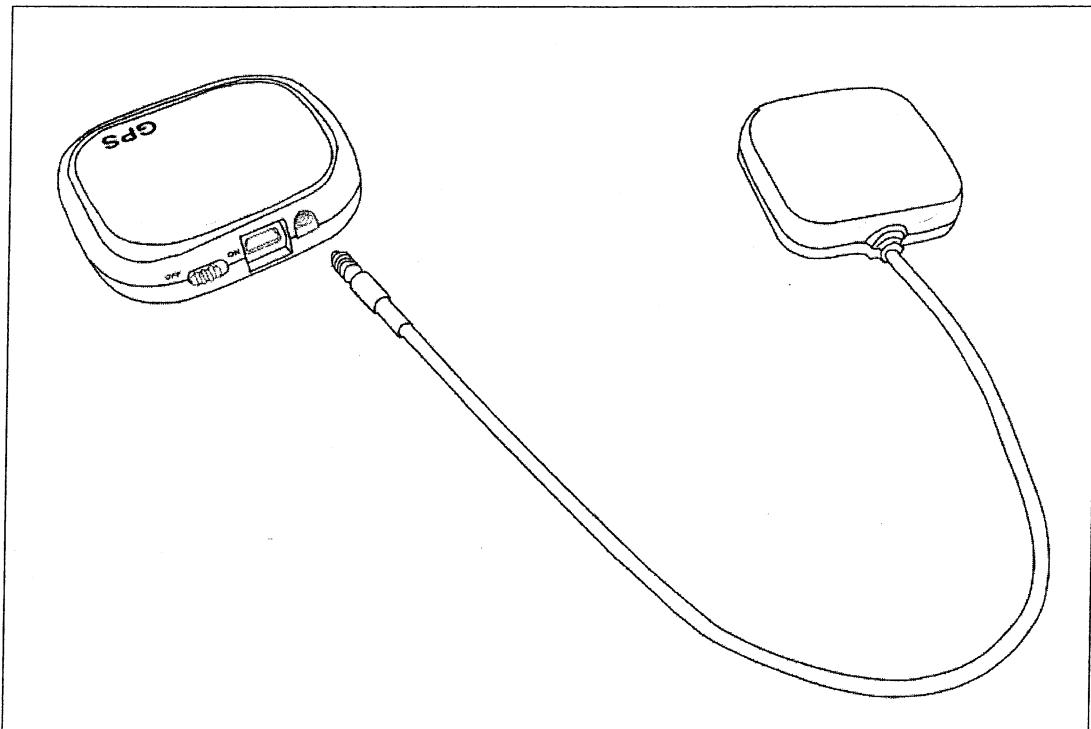


- Open GPS, the Bluetooth GPS receiver will training GPS data.



 **How to connecting external antenna:**

Insert the MMCX connector from external antenna into the external antenna port of UT-106.



**Specification:**

<b>General</b>	GPS chipset: Prolific PL6313 Frequency: L1, 1575.42MHz C/A Code: 1.023MHz chip rate Channel: 12
<b>Accuracy</b>	Position: 5m CEP
<b>Sensitivity</b>	To-152dBm tracking, superior urban canyon performance
<b>Datum</b>	WGS-84(or upon demand)
<b>Acquisition Rate</b>	Cold start: <45sec Warm start: <35sec Hot start: <5sec Reacquisition: <1sec
<b>Dynamic Conditions</b>	Altitude: 18,000m max Velocity: 515m/sec max Acceleration: <4g
<b>Interface</b>	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)
<b>Power</b>	Rechargeable 5VDC 720mAh, Li-Ion battery Operation Current: 600mA (typical) Operation Time: Continuous 9 hrs (max) after full charge
<b>Environmental</b>	Operating Temp:-20°C to +60°C Storage Temp: -30°C to +80°C Relative Humidity: 5% to 90% non-condensing
<b>External active antenna connector</b>	Connector type: MMCX Active power voltage: 3.3V
<b>Car Cigarette adapter</b>	Input: DC12~24V Output: DC 5V, Max.800mA
<b>GPS Hardware setup</b>	Com port: 8 Baud rate: 4800
<b>Dimension</b>	64 mm (L) x 56 mm (W) x 16.5mm (H)
<b>Weight</b>	47 gram
<b>Limited Warranty</b>	One year

## UT-106 Bluetooth GPS Receiver User Manual

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.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

### FCC RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.