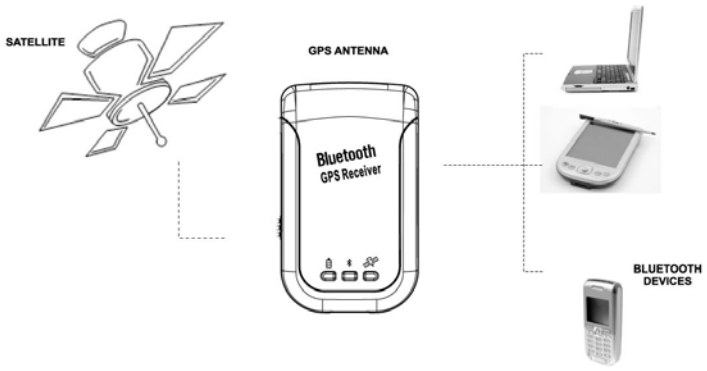
USER MANUAL

Bluetooth GPS Receiver



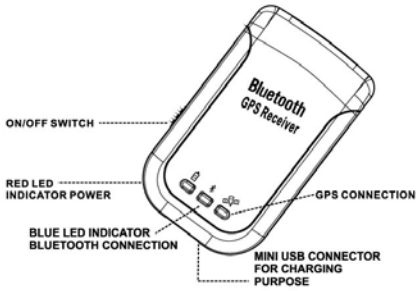
Caution

Please read before you start to use GPS Bluetooth Receiver:

- Global Position System (GPS) is obtained by American Ministry of National Defense, and they got the full responsibility about the preciseness and the maintenance. Any change may cause the capacity and preciseness of GPS differed.
- If you use this device inside buildings, tunnels, or besides any huge objects, the GPS signals might be cut-off or disturbed. Please do not consider that the receiver is malfunction.
- Sometimes the speed-test alarm system may interfere with GPS signal. If it really does, please suspend it temporarily.

The receiver is made of high technology electronic components. Please do not leave it exposed under direct sunshine for a long time.

Hardware Description

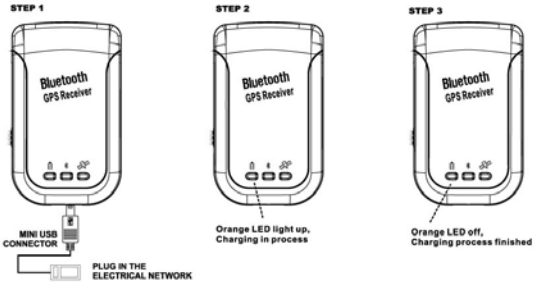


Charging Battery

This Bluetooth GPS receiver has a long-lasting rechargeable Lithium-Ion battery. Please fully charge the battery before you use the device firstly. To do that, please take at least 3 to 4 hours for charging.

Follow below steps to get the maximum performance:

- Take the battery from the package and insert it into the GPS unit.
- Connect the charger to the GPS unit through the USB mini connector and plug the charger to the electrical network.
- The Orange LED of the GPS unit will be lighted up. This shows the battery is now being charged.
- Once the charging process has completed, the Orange LED on the GPS unit will be Off.



Start to use

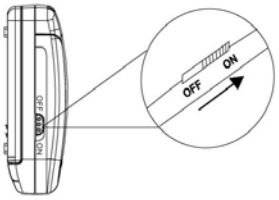
1. Slide the Power Switch to "ON" position to power on the GPS unit.
2. Locate GPS unit in a appropriate place to receive the GPS signal (In the first use of this receiver, we strongly recommend to bring your GPS unit outdoors and open sky at least 15~20 minutes for fixing the position and almanac update)
3. Activate the Bluetooth function in your PC / PDA / Mobile phone.
4. Search the Bluetooth GPS receiver using the Bluetooth Manager of your PC/PDA/Mobile phone. The GPS unit does not need password to connect. But when it is required, please enter "0000 "if necessary. After pairing is completed, the system will crate a quick connect device "BT GPS" in the Bluetooth Manager.
5. Check the Serial Port in Bluetooth setting to confirm the COM port. If you use PDA/PC to pair the GPS unit, please select "Outbound COM port".
6. Activate your Map software and set correct Serial Port.
7. After GPS position is fixed, you can start to navigate.

Quick-Use Illustration

In case the battery is out of power while you are using the GPS in the car you can connect it to the car charger. Then you can use the GPS continuously.

Also you can use the USB cable to charge the battery through the USB port of your desktop or portable computer in case there is not a socket at hand. (USB cable is optional)

1. Power switch
   Slide the Power Switch to "ON" position as it is shown in the picture.



2. LED Indicators

	LED Status	Symbol	Flash	ON	OFF
1	Power (Red/Orange)			Recharging (Orange) Low Power (Red)	Sufficient Power (None)
2	Bluetooth (Blue)		Bluetooth Connected and transmitting mode	Not connected/Pairing	GPS not powered
3	GPS (Green)		GPS position is fixed, Navigation	Detecting Satellite, GPS position not fix	GPS not powered

Bluetooth Connection(Blue LED)
Steady On: BT Not connected
Flash: BT connected

GPS Connection(Green LED)
Steady On: GPS position not fix
Flash: GPS position fixed

Troubleshooting

Error/Problem	Cause	Solution
Can not find the GPS device through Bluetooth interface	Incorrect installation or low battery	Check if GPS Bluetooth is install properly, and confirm the battery level is suitable (the blue and yellow LED does not turn on)
Unable the connect through Bluetooth	Incorrect configuration	Please refer to the installation section of this user manual to re-install or refer to your PDA's user manual for configuration.
Fail to open COM Port	Bluetooth manager is not configured properly, or the COM port is being used by another software.	Please check your Bluetooth manager settings, close the software that may use COM ports and try again. Or check if there is any password protection.
No NMEA code (GPS data flow)	(1) Some PC/PDA will enter the power saving mode if you stop input for a few minutes. Bluetooth interface will be reset in such case. (2) Wrong baud rate/com port setting	(1) Disable the power saving mode and try to connect GPS receiver again. (2) Correct with right baud rate & COM port
Unstable GPS signal	(1) Degraded by anti-sunlight film with receiver placed inside car (2) Some cases described in section "Weak signal"	Avoid the obstacles that are causing the bad reception of the signal.
Poor GPS signal	(1) Storm effect (2) Atmosphere turbulences (3) Satellite ON by USA military	N/A

Concerning of Poor GPS Signal

It is possible to be unable or to receive low GPS signal in the following cases:

Inside the tunnel, GPS signal may block.

Covers above, GPS signal may block.

Inside buildings, GPS may block.

Beside some buildings,
GPS signal may distort.

Inside forests, or too many covers,
GPS signal may distort.

-If you use GPS Bluetooh inside the car, some anti-sunlight windscreen film will make the GPS signal degraded or signal blank.
-GPS satellite is owned by America military, sometimes they will turn-down the accuracy by some reason.

In such cases, the GPS position may not fix exactly.

FCC statement in User's Manual (for class B)

"Federal Communications Commission (FCC) Statement

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.

FCC Caution:

1.The 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.

2.This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

3. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

IC Statement

In addition to the requirements of Section 7.1.5 in RSS-Gen, the device's shall also contain the following or equivalent statement: “Privacy of communications may not be ensured when using this telephone”.

If privacy is provided as a standard feature, the privacy notice may be omitted provided that full justification accompanies the equipment certification application for evaluation by Industry Canada.