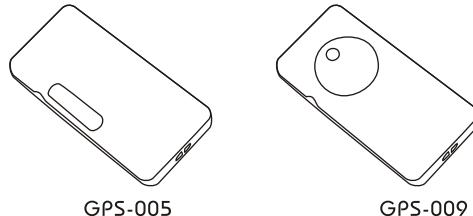


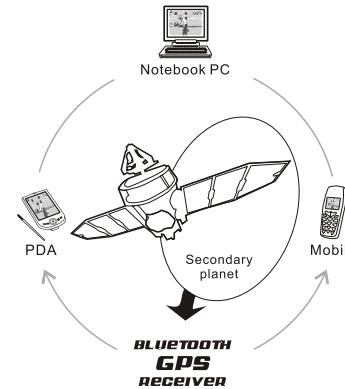
User's Guide

GPS-005/009



Bluetooth GPS-005/009 is a complete wireless satellite position receiver, adopting high sensitivity SIRF Star III chip and having wireless transmission function. With 20 GPS channel, it can quickly receive GPS signal and quick position in the weak GPS satellite signal area. The basic design framework is based on generation I indoor GPS communication technology, super sensitivity -157dBm (-187dBw) and low-loss technology. The revolutionary system provides incredible sensitivity for you and let you quick position in any bad condition in city and valley. You can use in car navigation having strict requirement, survey, security maintenance and agriculture etc. GPS-005/009 transmits information with Bluetooth wireless technology by high-performance way. GPS-005/009 can catch 20 satellites signal and show 12 of all strongest signal information when cold start is over water-level.

-1-



- For position of traveling, fishing, climbing, by navigation software, it can find out location information of bus-stop, hotel, restaurant.
- High sensitivity
- Fast position
- Build-in rechargeable battery
- Bluetooth wireless transmission

-2-

PRODUCT FEATURES

Light and touchable design, simple and convenient initial use, 10 meters Bluetooth wireless transmission distance, abroad application, easily operation. Rechargeable Lithium Polymer Battery can wear well.

POWER ON

Long press Bluetooth GPS-005/009 power key 3sec (blue light flashes), Bluetooth GPS-005/009 will enter power-on state. If without pairing within 5sec, Bluetooth will close automatically.

PAIRING

Pairing Bluetooth GPS-005/009 with Bluetooth device (having Bluetooth PDA, mobile phone, notebook computer etc), open navigation software in Bluetooth device, navigate with Bluetooth GPS-005/009 according to the demand of navigation software.

Place Bluetooth GPS-005/009 outdoor, when Bluetooth GPS-005/009 dose not find satellite, blue light flashes 1 time in 1 sec. If finds, blue light often flashes.

LED Indication

Green indicator	GPS Position state
Blue indicator	Bluetooth open and power on state
Yellow indicator	Charging state
Red indicator	Battery low voltage warning state

Low battery warning

When Bluetooth GPS-005/009 is in low battery, red light will flash. If without charging within 15 min, Bluetooth GPS-005/009 will close automatically.

Charging

When no battery, you need to charge in time, when charging, orange LED light often flashes. When full charging, orange LED light will close automatically.

POWER OFF

Long press power switch key of Bluetooth GPS-005/009 1sec, it will power off.

Caution: The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

Notes: 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 Warning:

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.

BASIC PARAMETER

Basic parameter	
Antenna	Build-in ceramic chip antenna
Installation site precision	Level precision 10m
Interface	Bluetooth Version: 2.0+EDR
Refresh speed	
Refresh speed	Generally install is over, refresh 1 time, every 1sec
Receptivity	
Receiver	20 channel
Sensitivity	-157dBm(-187dBw)
Hot start	1 sec.(Average)
Warm start	Generally: 35 sec / A-GPS: 5sec
Cold start	Generally: 42sec / A-GPS:10sec
Re-acquiring time	Generally 0.1sec
Data updating rate	1 time/sec
Dynamic performance	Elevation: Lowering 18000 m, Speed: Within 18000 m/sec, Acceleration: The utmost limit - 4G(G refers to gravity unit), Cascade tripping: The utmost limit - 20m/sec
High-precision	5-25M
Speed precision	0.1 m/s
Electronic compass angular resolution	1°
Data input	NMEA/SIRF binary setting
Data output	GGA GSA GSV RMC VTG GLL
Difference modes	GPS
Screen	
Display screen	LED
Power specification	
Battery	Rechargeable Lithium Polymer Battery
Battery using time (hour)	10 hours
Surface parameter	
Weight (g)	575
Size (mm)	GPS-005: 87.50x45.00x12.0(H)mm GPS-009: 90.00x45.00x12.5(H)mm GPS-002: 90.00x45.00x12.5(H)mm
Crust material structure	Plastic crust
Environment parameter	
Working temperature (°C)	-10-60°C
Storage temperature (°C)	-20-85°C