![GlobalSat Wired by Wireless]

1

Globalsat Bluetooth GPS Receiver

BT-368 User Manual

Version 1.0

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Table of Content

1. Product Information

1.1 Product Description

BT-368 is a high performance Bluetooth GPS receiver. It uses SiRF StarIII chipset, which tracks up to 20 satellites simultaneously. With a high-performance built-in antenna, BT-368 ensures excellent signal reception.

BT-368 takes advantage of the Bluetooth technology to offer hassle free installation. It connects wirelessly to your Bluetooth enabled PDA, laptop, or other devices.

BT-368 uses a high capacity rechargeable lithium ion battery and offers more than 10 hours of operation time. BT-368 is the best companion of your PDA, mobile phone, or other portable devices for navigation purposes.

1.2 Product Features

- ✓ SiRF StarIII chipset
- ✓ 20 parallel channels
- ✓ Extreme fast TTFF at low signal level
- ✓ Bluetooth enabled
- ✓ High capacity rechargeable battery
- ✓ NMEA-0183 compliant protocol (Default: GGA, GSA, GSV, RMC, VTG, GLL, and ZDA) and SiRF binary protocol
- ✓ Support SBAS (WAAS, EGNOS, and MSAS)
- ✓ Three LED indicators

1.3 Product Specifications

GPS Receiver	
Chipset	SiRF StarIII
Frequency	L1, 1575.42 MHz
Code	C/A Code
Protocol	NMEA 0183 v3.01 (Default: GGA,GSA,GSV,RMC Support: VTG,GLL,ZDA) and SiRF binary
Available Baud Rate	4800/9600/14400/19200/38400/57600/115200
Channels	20
Antenna	Built-in Patch Antenna
Sensitivity	Acquisition：-146dBm, Tracking：-159dBm
Cold Start	42 seconds
Warm Start	38 seconds
Hot Start	1 second
Reacquisition	0.1 second
Accuracy	Position: 3 m / 2.5 m with DGPS Velocity: 0.1 m/s Time: 1 micro second RMS
Maximum Altitude	＜ 18,000 meter
Maximum Velocity	＜ 515 meter/second
Maximum Acceleration	＜ 4G
Update Rate	1 Hz
DGPS	WAAS, EGNOS, MSAS
Bluetooth	
Version	2.0
Range	10 Meter (Class 2)
Support Profile	SPP Profile
Physical Characteristics	
Dimensions	40mm X 70mm X 9.2mm
Weight	30g
DC Characteristics	
Power Supply	5.0Vdc
Battery	Rechargeable Li-ion, 700mAH
Battery Life	10 Hours
Environmental Range	
Humidity Range	5% to 95% non-condensing
Operation Temperature	-10°C to 60°C
	0°C to 45°C while charging
Storage Temperature	-20°C to 70°C

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2. Hardware Description

2.1 Overview

USB charge connector

Power LED

GPS LED

Bluetooth LED

Power Button

2.2 LED Behaviors

Bluetooth LED (Blue)

Status	Description
Blink once per three seconds	Not linked
Blink once per second	Linked

GPS LED (Green)

Status	Description
Blink once per second	Position fixed
Steady on	Position not fixed

Power LED (Red/Orange)

Status	Description
Red light steady on	Battery low
Off	Battery good
Orange light steady on	Battery charging

2.3 Power Button

Action	Function
Press and hold the button for 1 second while off	Power turned on
Press and hold the button for 1 second while on	Power turned off

2.4 USB Charge Connector

Connect to USB cable for battery charging. It needs about 3 ~ 4 hours to fully charge the battery.
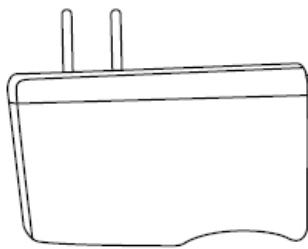
3. Package Contents

- ✓ BT-368
- ✓ Car Charger
- ✓ USB cable for recharging
- ✓ AC Charger (Optional)
- ✓ USB cable for data (Optional)
- ✓ User Manual and Software Utility CD
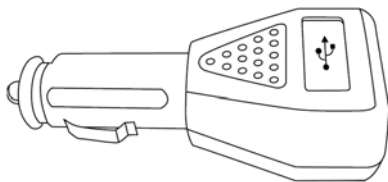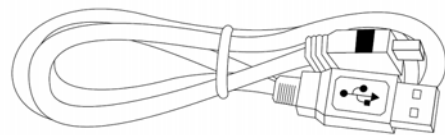
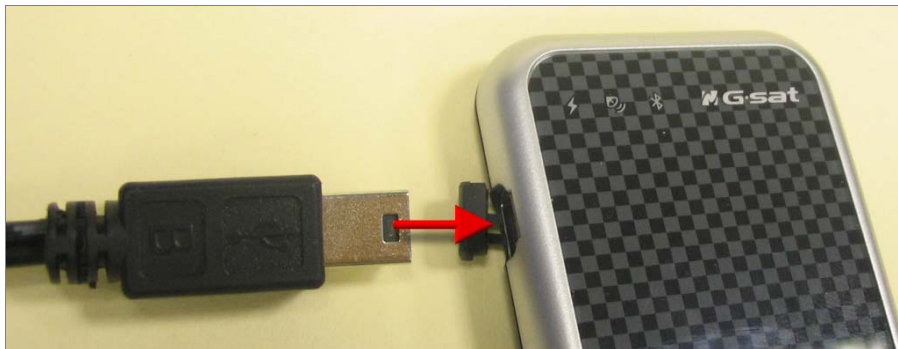|	
 Car Charger	 USB Cable for recharging
  AC Charger (Optional)	 USB cable for data (Optional)

4. Getting Start

Step 1: Charging Battery

Please charge the battery by the included charger till the orange LED goes off before using BT-368 for the first time.

Step 2: Turn on the power

Press and hold the power button for one second to turn on your BT-368.

Step 3: Wait for GPS fixed

Place your BT-368 in a place where it can see the sky directly and check the GPS LED. If the GPS LED starts blinking, your position is fixed.

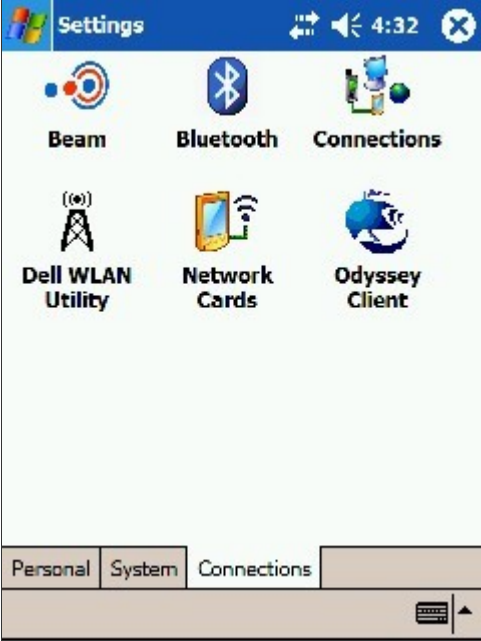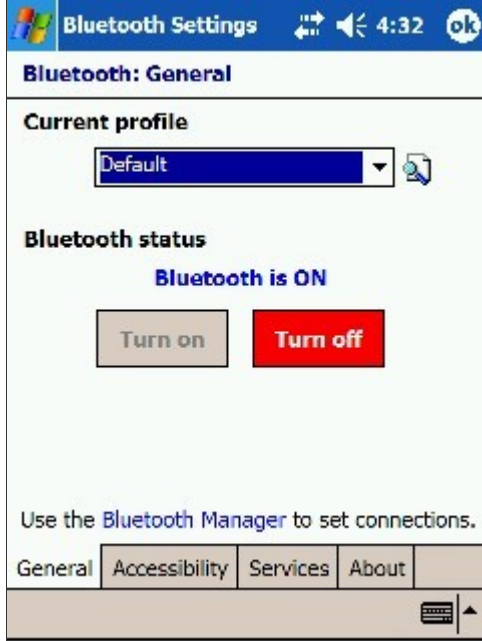## Step 4: Connect to your Bluetooth-enabled devices

Run the Bluetooth manager from your Bluetooth enabled device, search Bluetooth devices, select device (BT-368), and connect it to your BT-368. Once the Bluetooth LED is blinking once per second, the link is established successfully. If a passkey is asked, please enter "**0000**".

Step 5: Start Navigation Software

Start the navigation software on your Bluetooth enabled device.

5. Troubleshooting

5.1 Connect BT-368 to a Pocket PC

1. Tap on [Start].	2. Tap on [Settings].
3. Tap on Bluetooth button.	4. Turn on Bluetooth function.

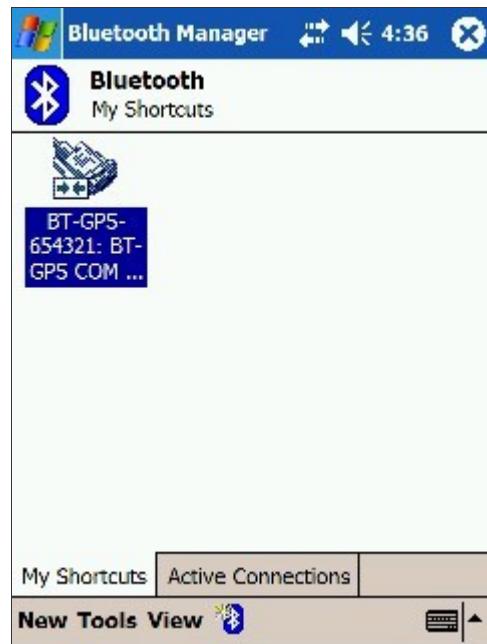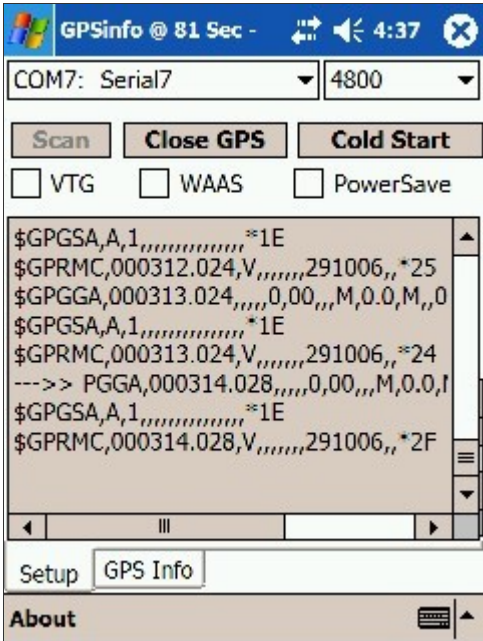|	
 5. Tap on [New] button.	 6. Select [Explore a Bluetooth device] item.
 7. Tap on the [BT-GPS-xxxxxx] icon.	 8. Select BT-GPS COM Port, and then tap [Next] button.

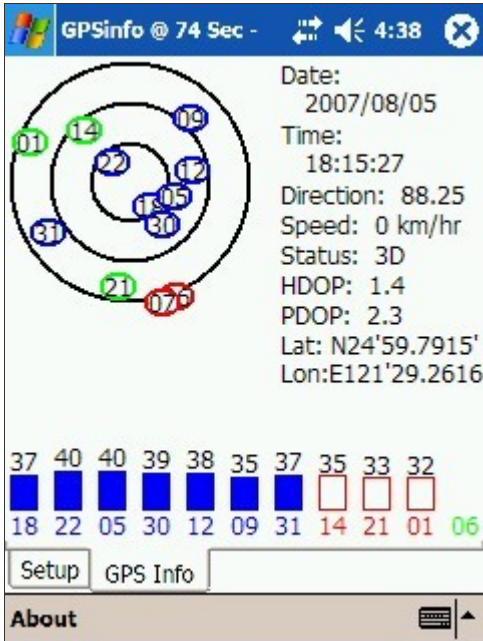|	
9. Tap on [Finish] button.	10. Tap and hold on BT-GPS button.
11. Select [Connect].	12. The connection between BT-368 and your Pocket PC is established.
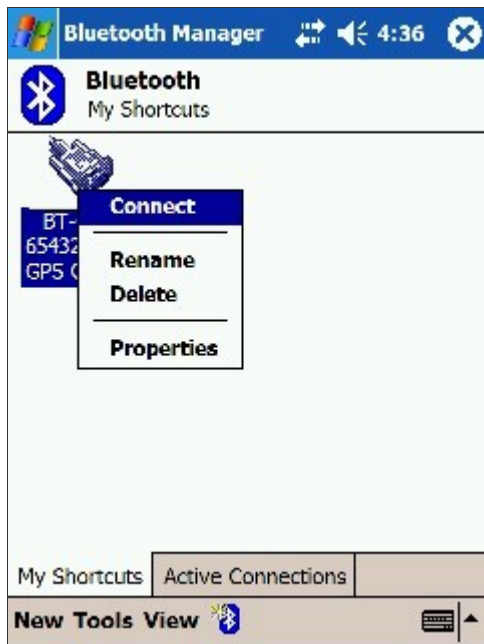
13. You can start the navigation software or GPSinfo program to check the GPS positioning status.

5.2 Bluetooth is unable to be connected

(1) Check if the Bluetooth status LED is flashing normally.

(2) Check if the battery power is enough. If not, please recharge it.

(3) Check if the other Bluetooth device is enabled or not.

5.3 GPS cannot be positioned

(1) Check if the GPS status LED is flashing normally.

(2) Check if the battery power is enough. If not, please recharge it.

(3) If GPS cannot be positioned for long, apply GPSinfo software to make it a Cold Start, and move it to an open space for performing the positioning task.

FCC Notices

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.