User's Manual
Bluetooth GPS Receiver
XAiOX Prophet SiRF III

Contents

1. Introduction

1.1 Overview

The XAiOX Prophet SiRF III GPS Receiver is a Global Position System Receiver with Bluetooth wireless technology. This BT GPS receiver allows you to receive GPS data on mobile handhelds wirelessly. By sending >GPS position data over Bluetooth, you can position the receiver for the best possible reception all without wires. The advent of Bluetooth GPS receiver will become the next level of GPS receivers. The BT GPS receiver integrates Bluetooth module into GPS device. It shows the high performance, low power consumption, easily portable, rechargeable and removable battery function and wireless data transmission. If you have a Pocket PC or other portable devices enabled with Bluetooth function for example iPaq, Siemens Loox, HP, MDA, XDA, you can take advantage of your device's Bluetooth capability to wirelessly add GPS positioning technology. When you choose suitable navigation software, you can apply to personal, vehicle tracking, and marine navigation. If you use this Bluetooth GPS receiver, you will ignore the messy cords and antenna and add the portability of your Pocket PC. In addition, this Bluetooth GPS receiver can change the exhausted battery to full battery like battery of mobile phone.

1.2 Main Features

- 20 Channels ‚All-in-view' Tracking.
- SiRF III Chip
- Cold/Warm/Hot Start Time: 42/38/1 Seconds
- Re-Acquisition Time: 0,1 second
- Supports Standard NMEA-0183
- Compatible with Bluetooth Devices with Serial Port Profile (SPP)
- Small, sleek, and lightweight design easily fits in your hand
- Two LEDs on top of the device shows Bluetooth and GPS. There also is an ON/OFF button.
- Fleet Management/Asset tracking
- Personal/Portable Navigation (PDA, Pocket PC etc.)
- Location Based Service enabled devices
- Ultra low power up to 10 to 12 hours operation time after fully charged (710mA Li-Ion Battery) or up to one week in standby mode.
- High sensitivity -159dBm integrated GPS Receiver, active antenna and Bluetooth transceiver

2. Technical Specification

GPS Chip: Frequence: C/A Code: Channels:	SiRF III GPS Module L1, 1575, 42 MHz 1,023 MHz Chip Rate 20
Antenna:	Built-in low noise
Acquisition Rate: Cold Start: Warm Start: Hot Start: Snap Start: Re-Acquisation: Update-Interval:	 approx. 42 Seconds approx. 38 Seconds approx. 1 Seconds approx. 1 Seconds approx. 100 mSec Each Second (default)
Accuracy: Position: Velocity: Time:	 5 - 25 m, CEP without SA 0,1m/sec 100 ns synch. to GPS time

Bluetooth Protocol: Communication: GPS Protocol:	Bluetooth serial Distance up to 10 m NMEA-0183(V3.01) VTG, GGA, GSA,GSV,RMC
Battery:	Rechargeable 710mA/h Lithium-Ion Battery Charging time: approx. 3 hours Operation time: approx. 10 to 12 hours, after fully charged Standby: up to one week
Operation Current:	5V
Operating temperature:	-10 °C bis +60 °C
Rel. Humidity:	5 % to 90 % (non-condensing)
Altitude:	<18.000 m
Dimensions: Length: Width: Hight:	 61,0 mm 43,8 mm 21,5 mm
Weight:	55 g incl. battery

3. Hardware Description

LED Status

LED	Color	Status
LED1 SAT	GREEN OFF	Unit is switched off.
	GREEN FLASHING	Batterie is nearly empty and unit will switch off shorty.
LED1 Akku	RED OFF	Unit is switched off.
	RED ON	Searching for satellites, e.g. after switching the unit on, or if the reception of satellites is blocked (e.g. by protected wind shield in the car or hick walls) ort he battery has been temporarily removed or is empty.
	RED FLASHING	Satelliten reception is OK.
LED1	ORANGE	By showing RED and GREEN LED at the same time, temporarily the LED can be show ORANGE color.
LED2 BT	BLUE OFF	Unit is switched off.
	BLUE FLASHING 1 x every 3 Sec	Unit is ready to establish Bluetooth connection
	BLUE FLASHING 1 x every 1 sec	Bluetooth connection is established. Data will be transferred when RED LED is flashing.
LED2	ORANGE	Charger is connected; empty battery is charging. No Battery: Unit is powered by external power supply.

Please press the ON/OFF button for at least 2 seconds to switch the unit ON. If the GREEN LED light is illuminated during switching ON the unit, the battery has to be charged.	

4. Important Notes

USB-Connector
The USB-Connector of the GPS-Unit is only for charging purpose and not for data transfer.

Car-Charger
On the tip of the car charger plug there is a removable cap. Behind is a 1.5A fuse. In case of malfunction please check the fuse and maybe replace it.

Installation of the Bluetooth GPS to your mobile devise
The following installation instruction is based on HP iPaq. The shows installation screen may be different with other models of PDA, Pocket-PC, etc.
Due to the high variety of mobile devices we cannot show all of them in detail.
For further more detailed instructions, please refer to the user manual of your mobile devise.

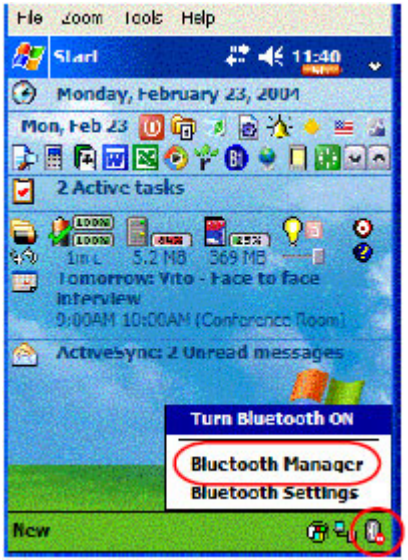
5. Box Contents

- XAiOX Prophet SiRF III Bluetooth GPS Receiver
- 220V/110V AC Adapter (Output 5V/500mA)
- Car charger (Input12V, Output 5V)
- 720mA Lithium Ion Battery
- User's Manual (CD-ROM)

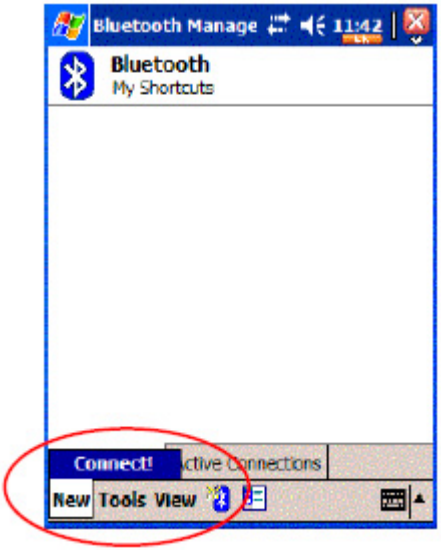
5. Software Installation – Pocket PC CE

Example: iPAQ Bluetooth with Pocket PC Software

<1> Turn Bluetooth ON
Select ‚Bluetooth Manager'



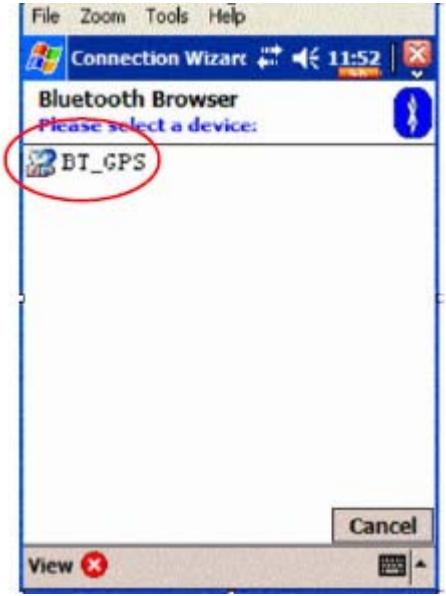
<2> Click ‚Connect!'



<3> Select ‚Explore a Bluetooth device' Then click 'Next'.

<4> Select <No device selected>, then click ‚Next'.

<5> Click ‚BT-GPS' .
If you are asked to enter a password, type ‚0000'.



<6> Select ‚SPP slave',
then click ‚Next'.

<7> Click ‚Finish'.
BT-GPS connection is now established successfully.

<8> Tap the Bluetooth icon again and select 'Bluetooth setting'.

<9> Settings for TomTom Navigation Software. You can use any free Serial COM Port (outgoing)