

SysOn Bluetooth GPS Receiver



User Manual V 2.0

- Real Wireless Navigation
- High Sensitivity & Precision Plus
- Long Lasting Battery Life (Li-Polymer Battery)
- Compact Design & Three Status LED Indication
- Both NMEA & SiRF Binary Protocol Support



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Note

Thank you for purchasing SysOn™ Bluetooth GPS receiver. SysOn™ Bluetooth GPS Receiver is a wireless GPS receiver which turns a Bluetooth-enabled PDA or a computer device to a wireless navigation system.

Please carefully read this user guide instruction before using the product.

Disclaimer and limitation of liability

Sysonchip, Inc. and its affiliated companies assume no responsibility for any damages and loss resulting from the use of this manual and also by deletion of data as a result of malfunction, dead battery, or misuse of the product in any way.

Warning

Any kind of changes or modification of the product that are not officially approved by Sysonchip will void the owner's warranty and also any other obligation of Sysonchip to repair or replace the product.

Information and instruction in the manual is subject to change without notice at any time.

Online Product Registration

http://www.sysonchip.co.kr/eng/supp/sup_reg.htm

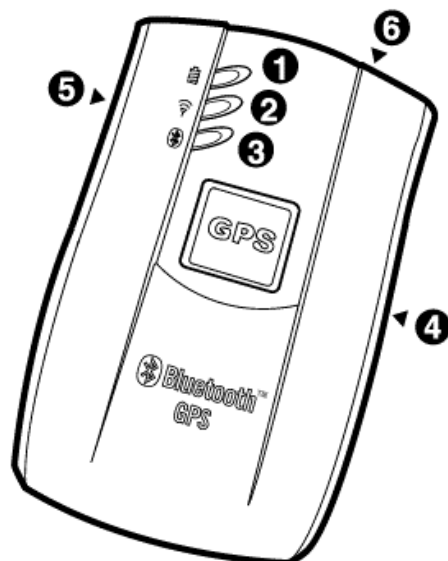
1. Designation

[SOC2S03/SOC2S03XT] SysOn Bluetooth GPS/SysOn Bluetooth GPS Plus

[SOC2S03 / SOC2S03XT] SysOn Bluetooth GPS / SysOn Bluetooth GPS Plus

1. Designation

1. Battery Status LED (red/green)
2. GPS Status LED (orange)
3. Bluetooth Status LED (blue)
4. Optional External Antenna Connector Port
5. Power Jack
6. Power Switch



NO	LED	Function
1	Battery Status LED	RED
		ON : During charging battery with connection to a power charger It is getting lighter during charging.
		OFF : Once battery is fully charged.
2	GPS Status LED	ORANGE
		ON : Current position fixed Blinking : During GPS signal reception
		OFF : Waiting for GPS signal reception
3	Bluetooth Status LED	BLUE
		BLINKING : No Bluetooth connection yet. Finding Bluetooth connection.
		ON : Bluetooth connection is on and ready for data transmission.
4	Optional External Antenna Connector Port	You may use an external antenna optionally instead of a built-in internal antenna. Simply plug the external antenna into the port.
5	Power Jack	Connect a power charger to the power jack to recharge the internal battery.
6	Power Switch	Power on/off switch

No.	LED	Function	
(1)	Battery Status LED	RED	ON : During charging battery with connection to a power charger It is getting lighter during charging.
			OFF : Once battery is fully charged
		GREEN	ON : Low Battery Indication. Charge battery immediately.
			OFF : Normal status. Battery has adequate power supply.
(2)	GPS Status LED	ORANGE	ON : Current position fixed BLINKING : During GPS signal reception OFF : Waiting for GPS signal reception
(3)	Bluetooth Status LED	BLUE	BLINKING : No Bluetooth connection yet. Finding Bluetooth connection.
			ON : Bluetooth connection is on and ready for data transmission
(4)	Optional external antenna connector port		You may use an external antenna optionally instead of a built-in internal antenna. Simply plug the external antenna into the port.
(5)	Power Jack		Connect a power charger to the power jack to recharge the internal battery
(6)	Power Switch		Power on / off switch



2. Getting Started

2.1 Charge the battery

- **Before use SysOn Bluetooth GPS Receiver, the battery must be fully charged. First, connect the power charger to the power jack, then plug into an electrical outlet. The battery status LED (RED) will turn on. As the device is charging, the RED light getting lighter and finally turns off once it is fully charged.**

2.2 Turn on the GPS receiver

- **Turn on the SysOn Bluetooth GPS Receiver using the power switch. The Bluetooth LED (BLUE) will blink.**
- **The GPS status LED (ORANGE) will blink once it starts getting GPS signal reception from satellites.**

2.3 Connect to Bluetooth-enabled PDA or computing devices

- **Perform Bluetooth device discovery from your PDA or mobile computing devices. Refer to the user manual of your Bluetooth-enabled PDA or devices for Bluetooth connection instructions.**
- **The Bluetooth LED (BLUE) blinks during finding Bluetooth connection. After the connection is done between SysOn Bluetooth GPS and PDA, the Bluetooth LED (BLUE) will be on.**

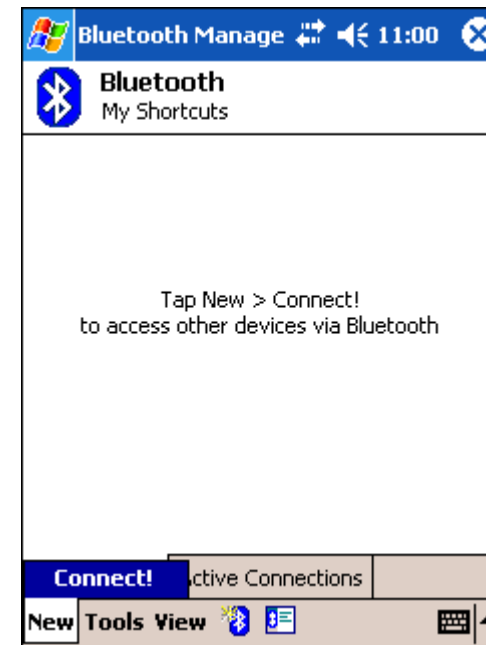
3. PDA Connection Guide



1. PDA main screen



2. Tab iPAQ Wireless, then select “**Bluetooth Manager**”.



3. Tab “New” at the bottom bar.



**4. Bluetooth Connection Wizard starts.
Tab "Next".**



5. Tab "Next".



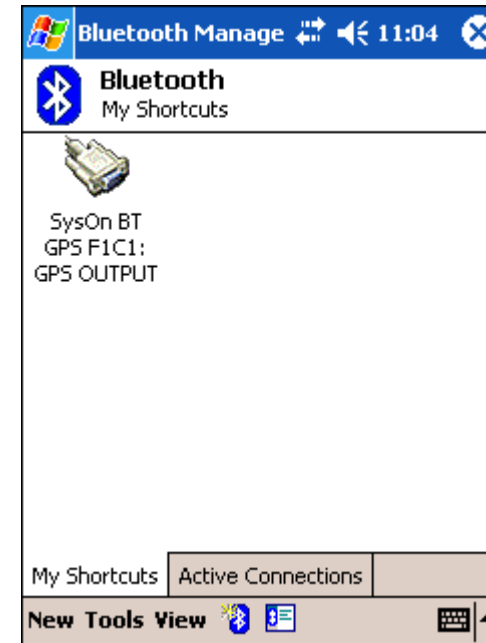
6. Several tasks require you to locate a device and connect it. Then, it automatically find Bluetooth devices placed around the PDA. Then, tab "SysOn BT GPS F1C1".



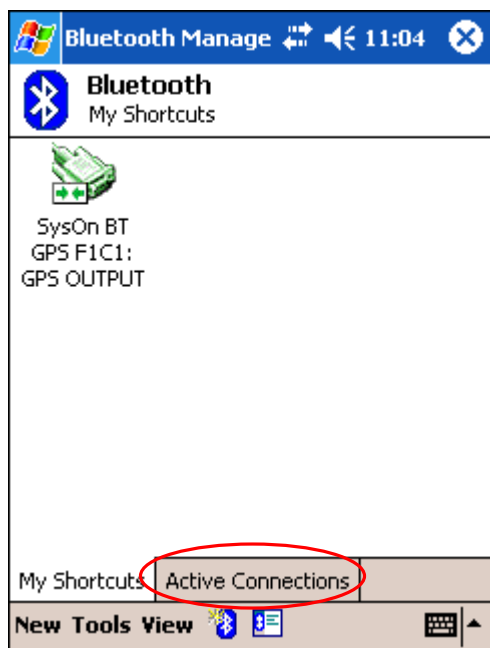
7. Select "GPS OUTPUT" of Service Selection. Tab "Next".



8. Connection shortcuts were successfully created. Tab "Finish".

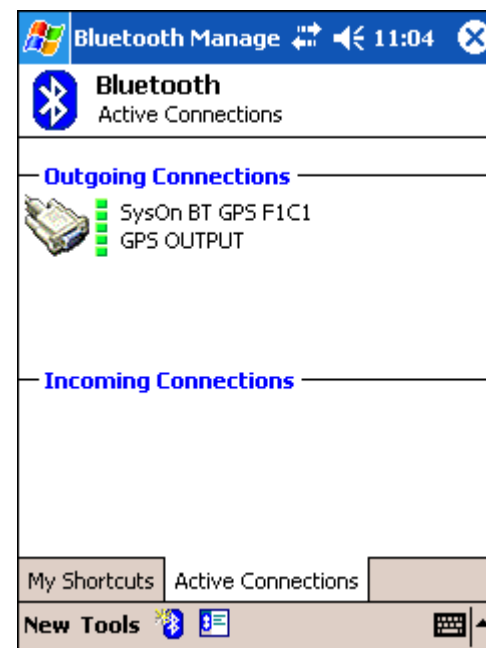


9. Connection was successfully established with Bluetooth GPS receiver on GPS OUTPUT. To connect with BT GPS, double click "SysOn BT GPS F1C1:GPS OUTPUT" icon.



10. Once it is successfully connected, you will see like the above screen.

11. Then, if you want to see more information, tab "Active Connections".



12. You will see the connection status.

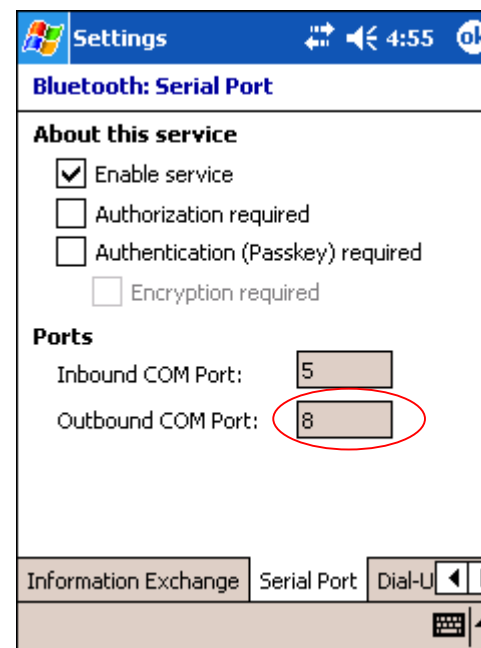
*** Note : To identify the Bluetooth COM port number for your PDA**



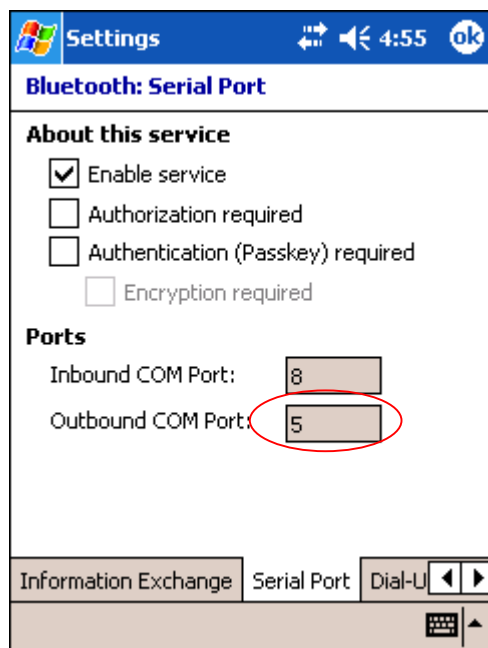
1. Tap the Bluetooth icon.

Select "Serial Port".

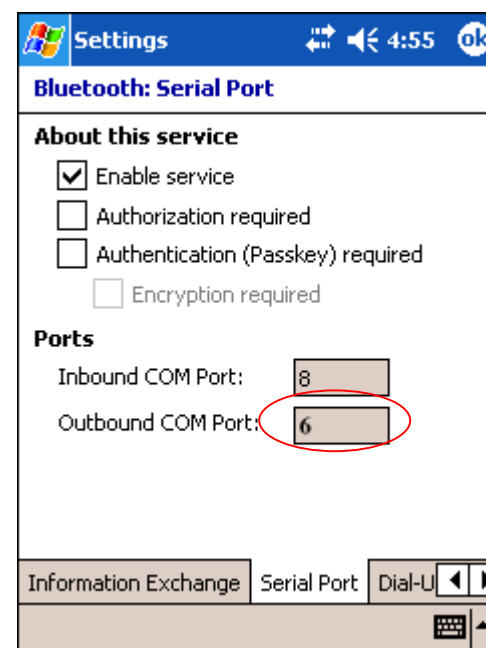
Use "Outbound COM Port" number for your navigation software environment setup.



2. iPAQ 22xx/38xx/39xx/54xx/55xx series : COM8



3. iPAQ 1940 series : COM5



4. iPAQ 41xx/43xx series : COM6

4. User Tips (1/2)

Following environment may affect signal receptions

- **Some vehicles having heavy metallic sun protecting coating on windshields, which may affect the GPS signal. SysOnChip optional external boost antenna can be helpful by placing it on the roof of the vehicles.**
- **In and around high buildings.**
- **Under bridges or in tunnels.**
- **Low battery of a PDA or a SysOn GPS receiver.**

In order to use SysOn GPS efficiently, please follow the below principles

- **Please place the SysOn GPS receiver to be able to see the clear view of the sky.**
- **In case of low battery level (Green LED warning), please recharge the GPS battery fully.**

Please check the correct "COM" port for your PDA model and "Baudrate".

- **Please see the port and baudrate setting section.**

To prevent any accidents which might be caused with rechargeable battery at high temperature, please do not leave alone the SysOn Bluetooth GPS for long time at a vehicle when it is not used.

Use only power supplies included in the unit package provided by the manufacturer, or officially approved by the manufacturer.

4. User Tips (2/2)

Pocket Bluetooth Tools for O2 XDA II and MDA II users.

There had been a known problem and an issue at O2 XDA II / MDA II for its Bluetooth use. That was not only with SysOn Bluetooth GPS but also with any other Bluetooth GPS receivers and this kind of Bluetooth peripherals. And, now it is known that this model was recently upgraded properly and supports the Bluetooth SPP correctly.

But, if you have an old version and feel any difficulties to use it with Bluetooth GPS, please visit the following website and refer to the instruction. It is called the "Pocket Bluetooth Tools" software.

Before downloading the following patch file and executing it, carefully read and follow the instruction there. : Pocket Bluetooth Tools for the O2 XDA II and the MDA II (BTHTools1100.zip)

<http://www.angeltowns.com/town/bluetooth/>

And, the connection COM port setting is COM 4. (Select serial port : COM4)

Please be aware this is the third party solution which was developed in the internet and is not supplied by SysOnChip. SysOnChip has no responsibility for any damages and loss resulting from the use of this software.

*** This model can also be known as O2 XDA II, Qtek 2020, T-Mobile MDA II, Siemens SX-56, iMate Pocket PC or Orange SPV1000.**



5. Unit Package

SysOn Bluetooth GPS or SysOn Bluetooth GPS Plus

User Manual

S/W CD (SysOn GPS Viewer Program)

Cigarette Charger or AC Adaptor

Y Cable

*** Unit package contents might vary depending on countries without notice.**

6. Optional Accessories

- **External Active Patch Antenna (Optional)**

Generally SysOn™ Bluetooth GPS provides excellent high sensitivity and gets GPS reception so quickly without an external antenna even in the difficult situation like urban canyons, foliage, etc.

But, some special metallic windshield coating of vehicles may interrupt the GPS signal itself passing through the car windows. SysOn Optional External Antenna will be so helpful to boost GPS signal reception just by being placed on the uncoated upper side of the windshield.



- **Y Cable (Optional)**



- **Cigarette Charger (Optional)**



*** Unit package contents might vary depending on countries without notice.**



Limited Warranty

Sysonchip, Inc. warrants SysOn Bluetooth GPS (or SysOn Bluetooth GPS Plus) product against defects in material and workmanship, under normal use and service, for one (1) year from the date of purchase.

Incompatibility is not a defect covered by Sysonchip's warranty. If the product is found to be defective in material or workmanship during this period, Sysonchip or one of its authorized distributors will, at its option, repair or replace the defective product without charge when furnished with proof of retail purchase. If you ship the product to Sysonchip or one of authorized distributors, you must use the original container or equivalent and the shipping charges are responsible for you. Sysonchip or distributors will bear shipping charges for returning the product. Sysonchip is not responsible for incidental or consequential damages resulting from breach of any express or implied warranty, including damage to property and, to the extent permitted by law, damages for personal injury. This warranty is in lieu of all other warranties including implied warranties of merchantability and fitness for a particular purpose.

WARRANTY LIMITATIONS AND EXCLUSIONS

This warranty applies only to the original consumer purchaser and is not assignable or transferable. This warranty does not apply to any product which has been subjected to misuse, misapplication, abuse, abnormal use, negligence, alteration or accident, or any product having its serial number altered or removed.

This warranty does not apply to any defects or damage directly or indirectly caused by or resulting from the use of unauthorized replacement parts and/or service performed by unauthorized person.

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Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusion may not apply to you. This limited warranty gives you specific legal right, and you may also have other rights that vary from jurisdiction to jurisdiction

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