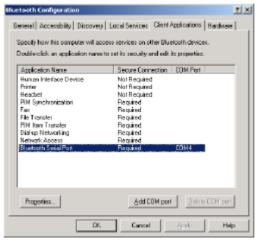
#### 5.2. Configuration setup with PC connection

Here is a sample to show you how to connect the Bluetooth GPS Receiver with your PC, software install and basic function test.

- 1) First, select a PC with Bluetooth interface. Or you can purchase Bluetooth adapter for your PC. Please contact with your PC's sales about this.
- 2) Check your Bluetooth manager if there exist any configuration of Bluetooth Serial Port Profile like this:



Note: this sample is for your reference only. The screen may be various between different models of Bluetooth manager software.

3) If not found, please create a Bluetooth serial port by yourself. The configuration should be like this:

Name it as you wish	Bluetooth Properties General Bluetooth Serial Port Startup Automatically COM Port: COM4	? ×	Please uncheck the secure connection
	COM Port: COM4 💌	Cancel Apply	secure connection

- 4) If there is already one, please check the content. Some Bluetooth device will enable the secure connection. Please refer to the configuration as above to uncheck it.
- 5) Power on your GPS Receiver. If the battery is ready, you should see 2 LED light up: the blue LED blink 3 times/sec means Bluetooth is activated and waiting for connection. Another static red LED shows the GPS module is started and is inquiring position information.

6) Open your Bluetooth places; you should see nothing while using firstly.



7) Click the [View devices in range] and you should find a [Bluetooth GPS] show as below:

🔮 My Bluetooth Places\Entire Bluetooth Neighborhood 📃 📃 🗵
File Edit View Bluetooth Favorites Tools Help 🥂
🔇 Back 👻 🕤 🖌 🏂 Search 🌔 Folders 🛛 🎹 👻
Address 🕺 My Bluetooth Places\Entire Bluetooth Neighborhood 🗾 🔁 Go
Bluetooth Tasks Bluetooth Setup Wizard View My Bluetooth services Search for devices in range View or modify configuration
The search for devices has finished

8) Right click on the icon, select the [Discover Available Services]:



9) You should find the service SPP slave, right click and select [Connect to Bluetooth Serial Port]:



10) The follow message will show:



11) And the connection successful message:



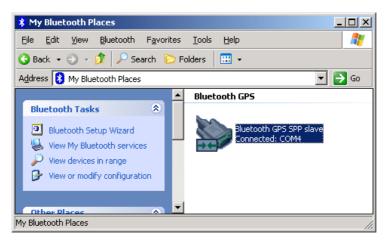
12) Back to the Bluetooth service view, you should see the icon changed to [Connected]:



13) If you wish to use the connection more easily next time, you can create a shortcut for this:

😵 My B	luetooth P	laces\Entire	Bluetooth	n Neigh	borhood\Blu	etooth GPS	
<u>E</u> ile <u>E</u>	<u>E</u> dit <u>V</u> iew	<u>B</u> luetooth	F <u>a</u> vorites	<u>T</u> ools	Help		-
Ġ Back	< • 🕤 🔻	🤣 🔎 Sea	rch 🜔 Fo	olders	•		
A <u>d</u> dress	🔡 My Blu	etooth Places\	Entire Bluet	ooth Ne	eighborhood\Blu	ietooth GPS 💌	🔁 Go
	tooth Task		*		Sonnected	n Bluetooth GPS etooth Serial Port	:
Othe	er Places				Create Shortci	ut	
	Desktop My Compute	r	-		Properties		
Device : I	Bluetooth GP	S					
Cre		ction shortcut			PP slave'. n 'My Bluetooth	n Places'.	×
	Do not disp	lay this messa	ige again			OK	

14) You will see the shortcut you just created:



#### 5.3. Configuration setup with PDA connection

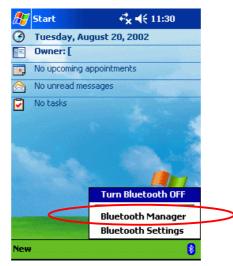
Following will show how to configure the Bluetooth connection on PDA. It may be different from other PDA models.

- 1) Power on your PDA and the Bluetooth host.
- 2) Power on the GPS Receiver. If the battery is ready, you should see 2 LEDs indication: the blue for Bluetooth blinks 3 times/sec. It means the Bluetooth module is activated and waiting for connection. The red LED for GPS, means the GPS module is activated and is inquiring GPS signal.



Blue LED blinks 3 times/sec

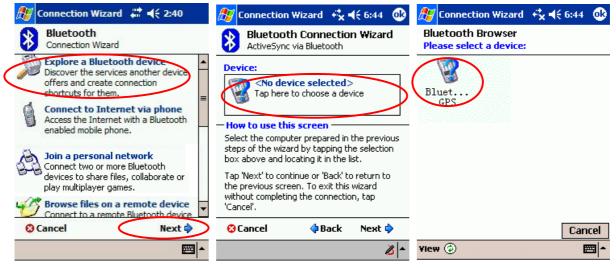
3) See the screen, click Bluetooth mark at bottom, and [Bluetooth Manager] as below:



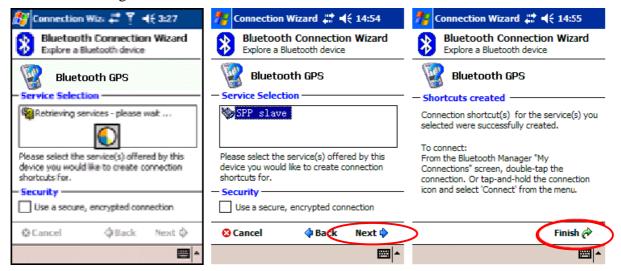
4) If this is your first time to use Bluetooth GPS, click the Bluetooth mark at the bottom as below:

<i>8</i> 7	Bluetoo	th Manage	‰ <b>≺</b>	<del>(</del> 6:40 🛞
*	Bluet My Sha			
		Tap New > C ; other devic		ietooth
My S	ohortcuts	Active Coni	nections	
New	Tools V	iev 👔	3	<b>E</b>

5)Then the Bluetooth connection wizard show up, select [Explore a Bluetooth device] and click [Next]. In the next page, click the box to search Bluetooth devices. Your PDA will find the Bluetooth GPS and show it in the window. Click the icon to search for service.



Mini Solar Bluetooth GPS Receiver User Manual 6) Back to the [Explore a Bluetooth device] as below. Click [Next] to list service on Bluetooth GPS. [SPP slave] should appear in the service list box, click it and click [Next] to finish shortcut creation. Don't forget to uncheck the secure connection box.



7) Back to the main screen of [Bluetooth manager] as below. Please double-click the icon to connect the Bluetooth GPS Receiver . If connection successful, a green arrow will show as below at right.

<i>ß</i> Bluetooth Manager 🤹 📢 6:47 🛛 😣	<i>ß</i> Bluetooth Manager 🤹 📢 6:47 🛛 😣	<i>ß</i> Bluetooth Manager 🤹 📢 6:47 🛛 🛞
Bluetooth My Shortcuts	Bluetooth My Shortcuts	Bluetooth My Shortcuts
Bluetooth		Bluetooth
GPS: SPP	Bluetooth GPS: SPP s (1)	GPS: SPP s (1)
	Connecting	
	Details >>	
My Shortcuts Active Connections	My Shortcuts Active Connections	My Shortcuts Active Connections
New Tools View 🐌 🖭 🕋	New Tools View 🐌 🖭 🕋	New Tools View 🐌 🖭 🔺

8) You may start to use any map/navigation software and use the GPS function now.

### 5.4. Software Install/Usage Guide

 Please make sure your PDA is connected properly with your PC using Microsoft ActiveSync. If you have not install ActiveSync yet, you can install the copy from the bounded CD-Rom, version 3.7.1. Please connect your PDA with your PC by the cable/cradle for your PDA, it should be found in your PDA accessory pack.

(指案)(E) 稍稍(E) 核	r/Manual CD-ROM - Microsoft Internet Explorer Migual	COD 4
GLS Receiver	Ruma 黎麗中文 English 简体中文	
Select your product > <u>CF Card type</u> > <u>G-Mouse type</u>	O. MUDUA REGUELO O DEVIDAUIO HIDUDUCIUI  Pocket PC Related Software	
Blue tooth type     SD Configuration     Software and     PocketPC Tools	<ol> <li>Microsoft ActiveSync 3.7 Traditional Chinese version Necessary driver to connect your PocketPC and PC.</li> <li>Install</li> <li>GPS Viewer for PC/PocketPC GPS function tester.</li> </ol>	
<b>6</b>		<ul> <li>相關等和對</li> </ul>

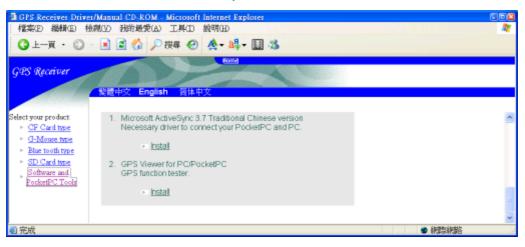
2) Insert the CD-Rom into your CD drive. If your auto-run function works, you will see the welcome screen as below:

GPS Receiver Driver/Manual CD-ROM - Microsoft Internet Explored 檔案(E) 橫綱(E) 枪横(E) 我的最爱(A) 工具(E) 說明(E)	
③上─頁 · ③ · 🖹 🗟 🏠 🔎 按雜 🤗 🏘 • 編 • 📓	8 · · · · · · · · · · · · · · · · · · ·
🕬 💭 Y/HomeProg/CFGP5_CD_Rec2/Html/AutoRun.htm	🖌 🔁 移至
GPS Receiver 繁體中文 English 简体中文	
Thank you for purchase our most advance GPS receiver product. Our GPS receiver is designed base on most high sensitivity FirstGPS kernel architecture. This positioning application meets strict needs such as car navigation, mapping, surveying, security, agriculture and so on. This CD-Rom will guide you to use our GPS receiver smoothly. Please select the language	
<b>a</b>	制成法制成员

3) Select the language you preferred. We choose the "English" here:



4) Click the [Useful tools and PocketPC utility] at the left:



### 6. Warranty

The Mini Solar Bluetooth GPS receiver is warranty for free from defect in material and function for 1 year from the date of purchase. Any failure of this product within the period under normal conditions will be replaced at no charge to the customers.

This warranty does not cover failures due to abuse, misuse, accident, or unauthorized alteration or repairs, inappropriate disassemble.

- Since the Mini Solar Bluetooth GPS Receiver got high performance rechargeable lithium-ion battery, we strongly recommend you not to place it under the sunshine for a long time.
- > The warranty will become invalid if any miss-operation found.

## 7. Trouble Shooting

Error/Problem	Cause	Trouble shooting
Can not find the GPS	Install not correct or battery low	Check if Solar Bluetooth GPS
device through		Receiver is installed properly, and
Bluetooth interface		confirm the battery level is suitable
		(green LED blinks or none LED)
Unable the connect	Configuration incorrect	Please refer section 5.2 to re-install.
through Bluetooth		Or refer to your PDA's user manual
		for configuration.
Fail to open COM	Bluetooth manager is not configured	Please check your Bluetooth manager
Port	properly, or the COM port is adopted	settings, close the software may use
	by another software.	COM ports and try again. Or check if
		there is any password protection.
No NMEA code	(1) Some PC/PDA will enter the	(1) Disable the power saving mode,
(GPS data flow)	power saving mode if you stop	try to connect GPS receiver again.

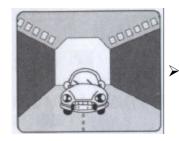
# 7.1 Problem of Setup

Mini Solar Bluetooth GPS Receiver User Manual

Error/Problem	Cause	Trouble shooting
	input for a few minutes. Bluetooth	(2) Correct with right baud rate &
	interface will be reset in such case.	com port
	(2) Wrong baud rate or com port	
	setting	
Unstable GPS signal	(1) degrade by anti-sunlight film	Plug External antenna and place on
	with receiver placed inside car	car roof
	(2) some cases described in sec7.2	
Poor GPS signal	(1) 2.5MR Storm effect	NA
	(2) Atmosphere turbulences	
	(3) SA ON by USA military.	

### 7.2 Concerning of Poor GPS Signal

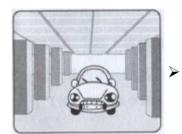
It is possible unable to receive GPS signal or signal low in these places:



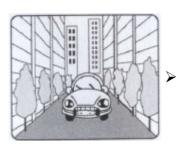
Inside the tunnel, GPS signal is blocked.



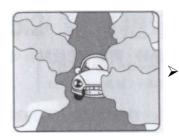
Covers above, GPS signal is blocked.



Inside buildings, GPS signal is blocked.



Beside some buildings, GPS signal is disturbed.



Inside forests, or too many covers, GPS signal is disturbed.

- If you use the Bluetooth GPS Receiver 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 tune-down the accuracy by some reason. In such cases, the GPS position may not fixed exactly.