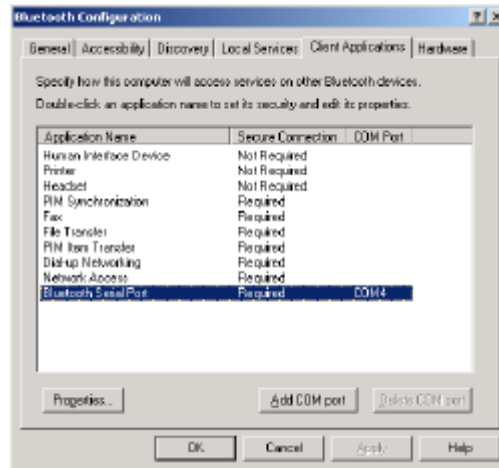


5.2. Configuration setup with PC connection

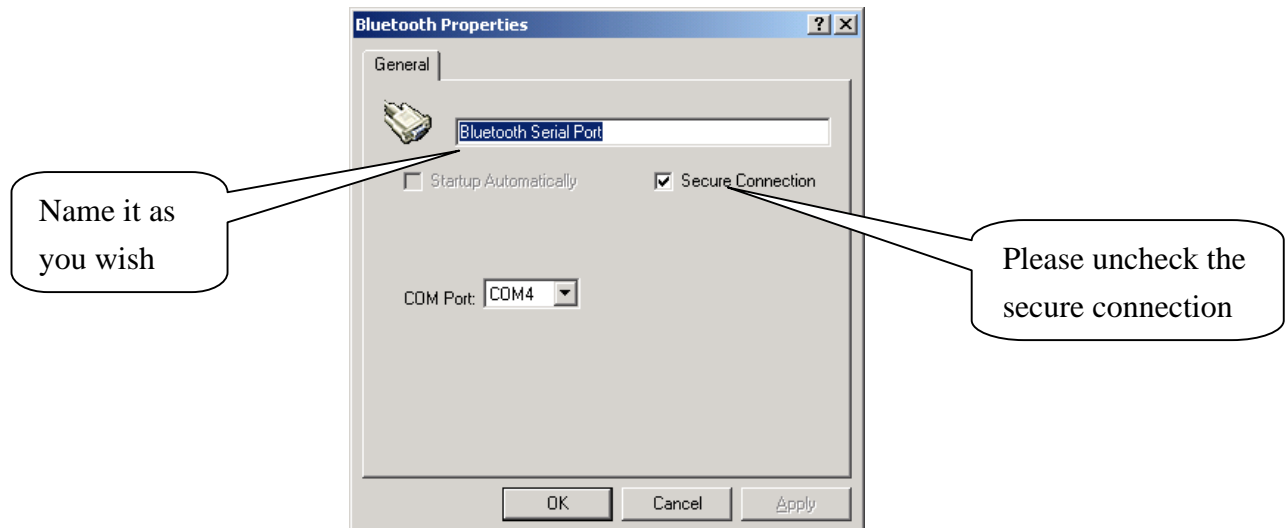
Here is a sample to show you how to connect the Bluetooth GPS Receiver with your PC, software install and basic function test.

- 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:



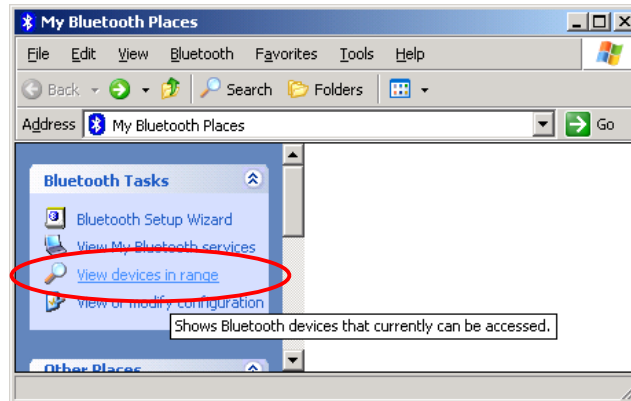
Note: this sample is for your reference only. The screen may be various between different models of Bluetooth manager software.

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

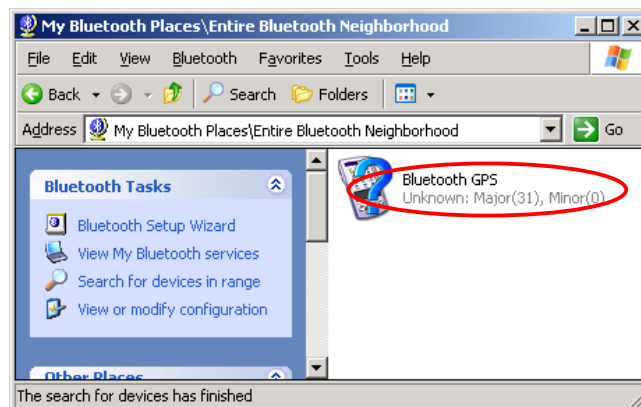


- 4) If there is already one, please check the content. Some Bluetooth device will enable the secure connection. Please refer to the configuration as above to uncheck it.
- 5) Power on your GPS Receiver. If the battery is ready, you should see 2 LED light up: the blue LED blink 3 times/sec means Bluetooth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

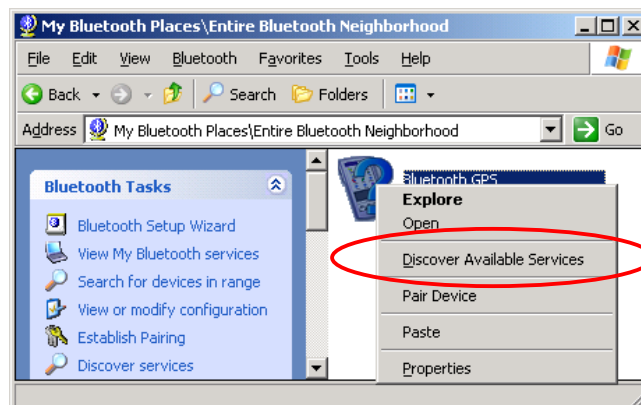
6) Open your Bluetooth places; you should see nothing while using firstly.



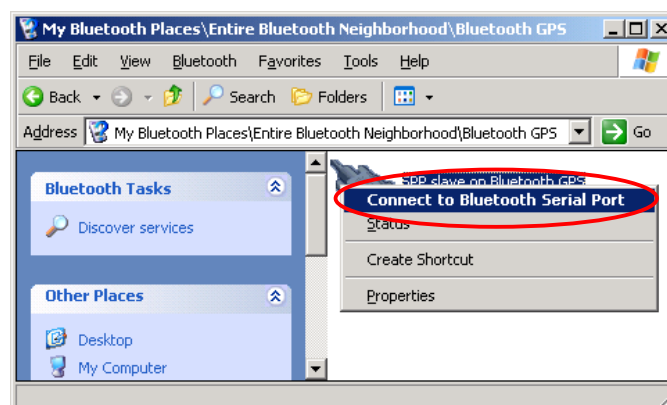
7) Click the [View devices in range] and you should find a [Bluetooth GPS] show as below:



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

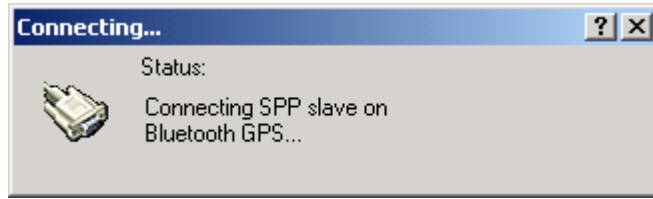


9) You should find the service SPP slave, right click and select [Connect to Bluetooth Serial Port]:

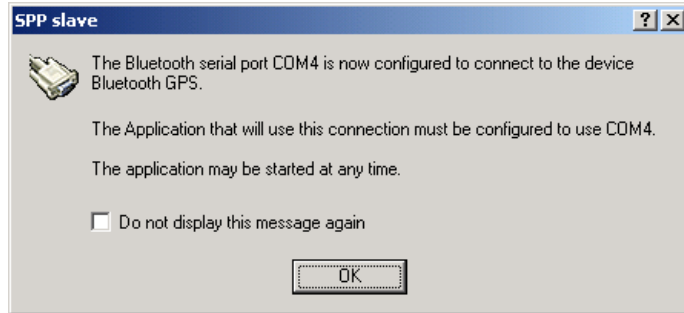


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10) The follow message will show:



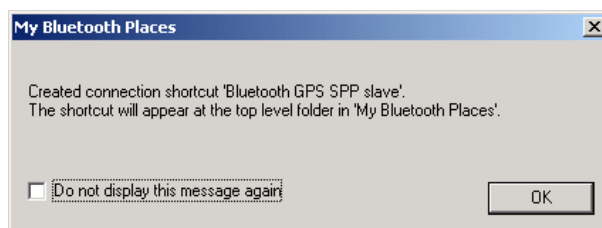
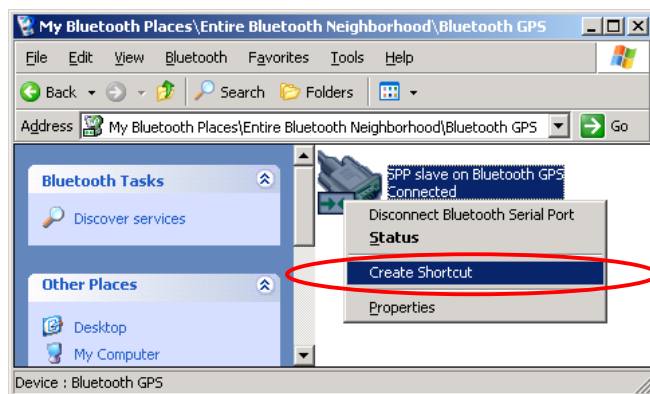
11) And the connection successful message:



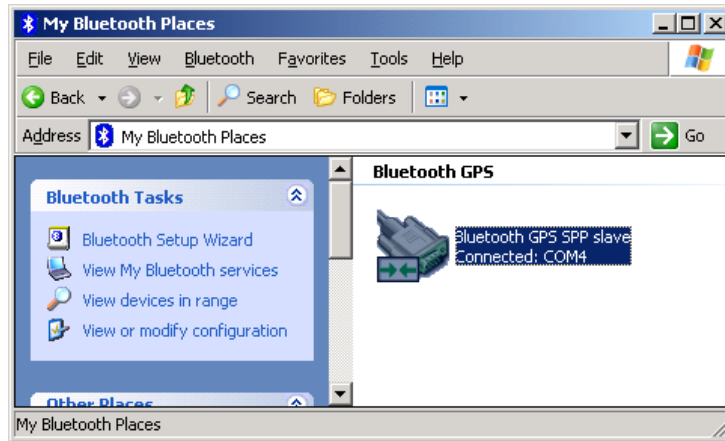
12) Back to the Bluetooth service view, you should see the icon changed to [Connected]:



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



14) You will see the shortcut you just created:



5.3. Configuration setup with PDA connection

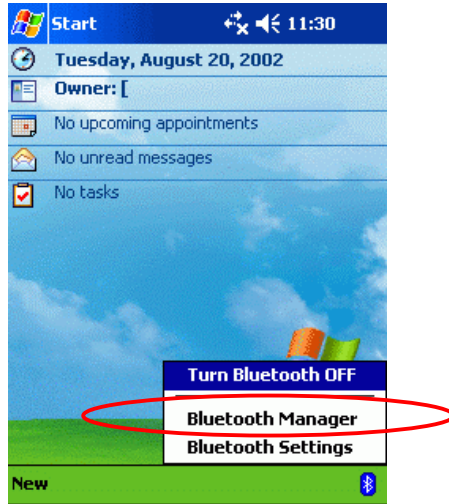
Following will show how to configure the Bluetooth connection on PDA. It may be different from other PDA models.

- 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.



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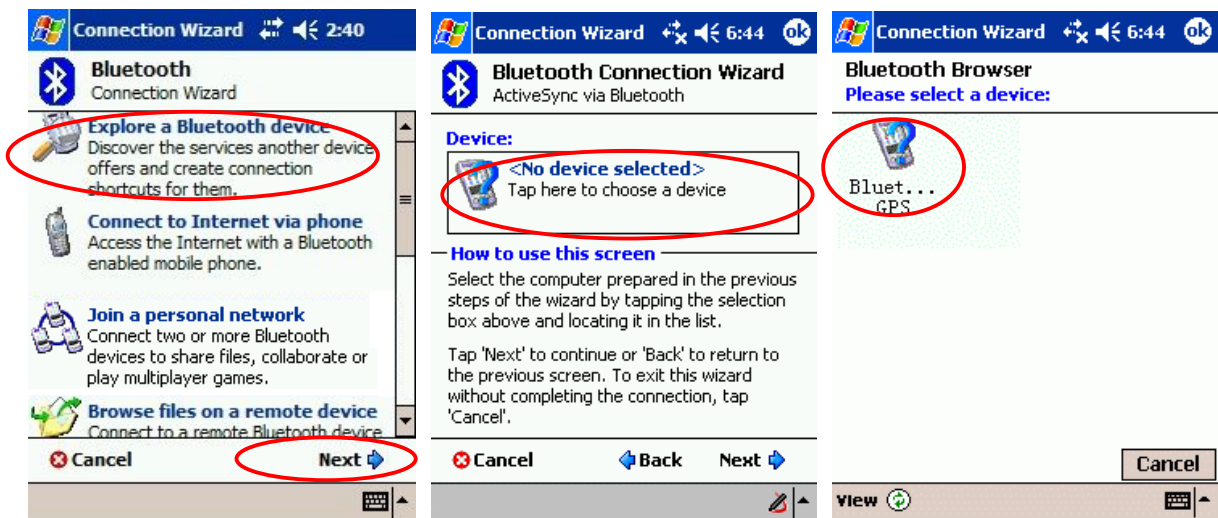
3) See the screen, click Bluetooth mark at bottom, and [Bluetooth Manager] as below:



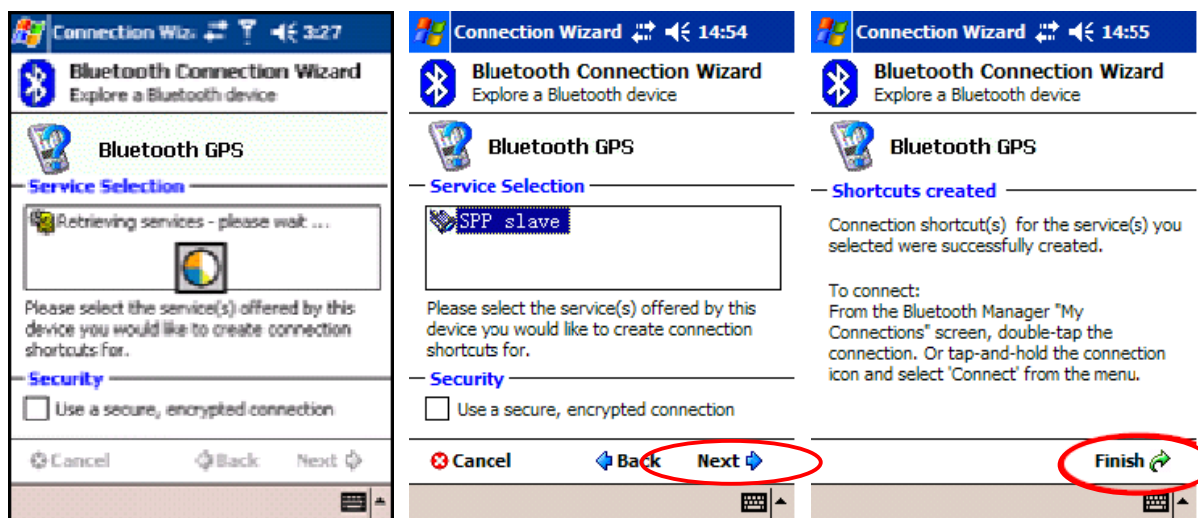
4) If this is your first time to use Bluetooth GPS, click the Bluetooth mark at the bottom as below:



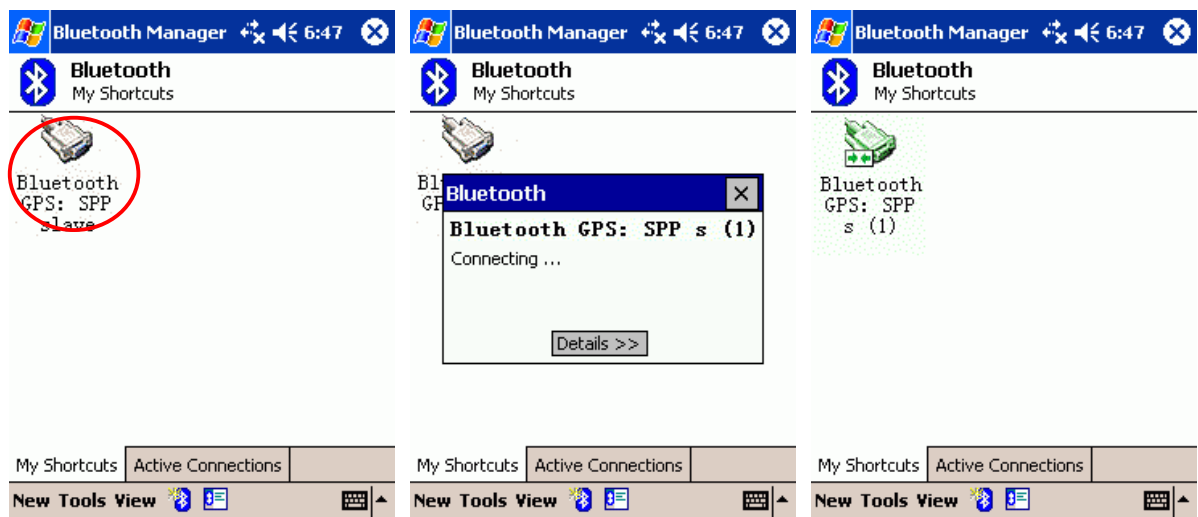
5) Then the Bluetooth connection wizard show up, select [Explore a Bluetooth device] and click [Next]. In the next page, click the box to search Bluetooth devices. Your PDA will find the Bluetooth GPS and show it in the window. Click the icon to search for service.



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.

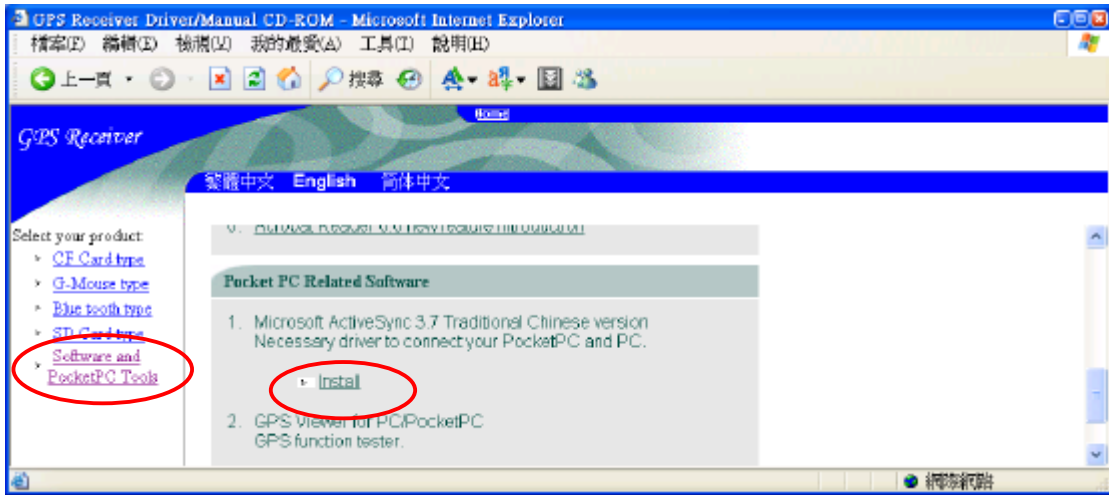


8) You may start to use any map/navigation software and use the GPS function now.

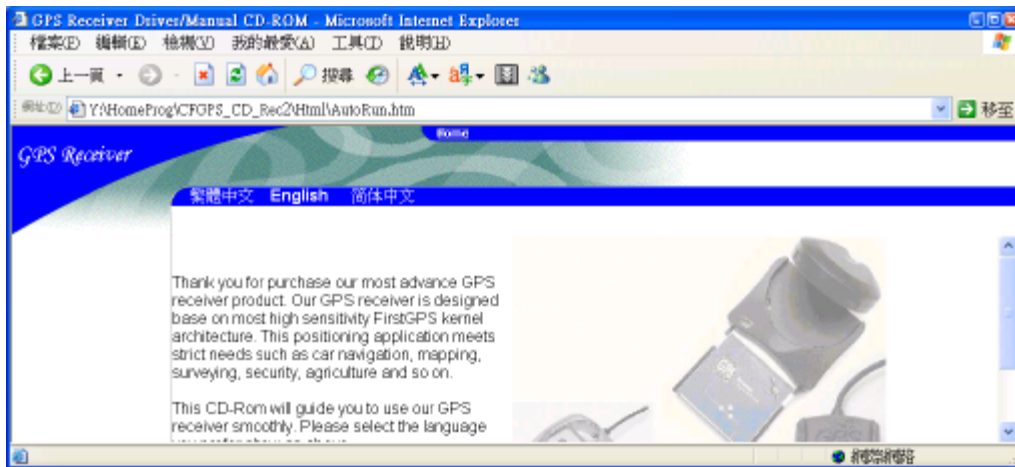
5.4. Software Install/Usage Guide

1) 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.

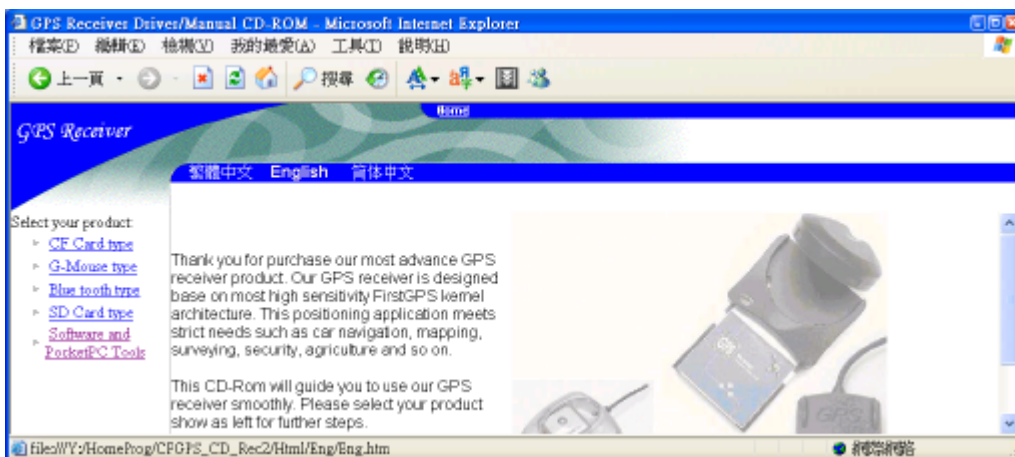
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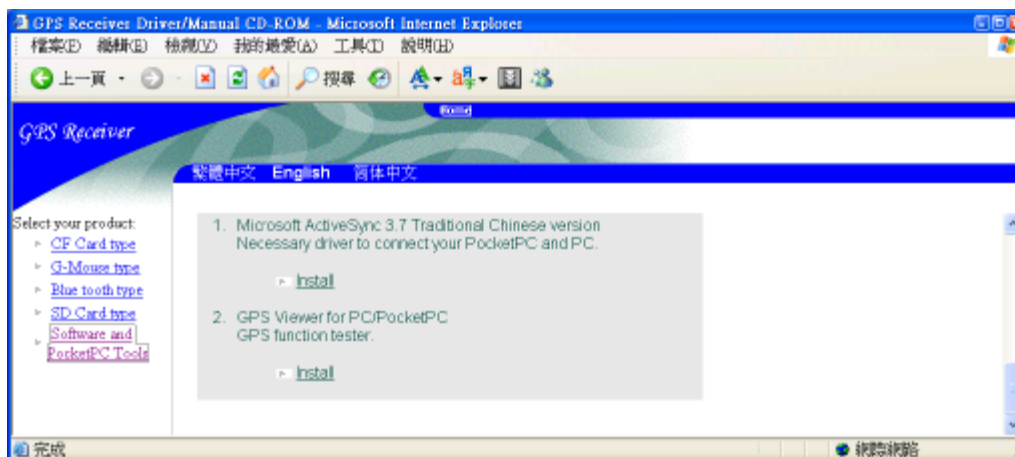
2) Insert the CD-Rom into your CD drive. If your auto-run function works, you will see the welcome screen as below:



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

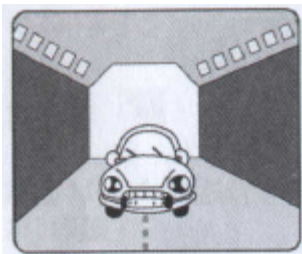
7.1 Problem of Setup

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

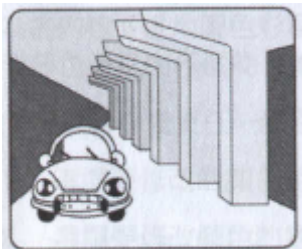
Error/Problem	Cause	Trouble shooting
	input for a few minutes. Bluetooth interface will be reset in such case. (2) Wrong baud rate or com port setting	(2) Correct with right baud rate & com port
Unstable GPS signal	(1) degrade by anti-sunlight film with receiver placed inside car (2) some cases described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

7.2 Concerning of Poor GPS Signal

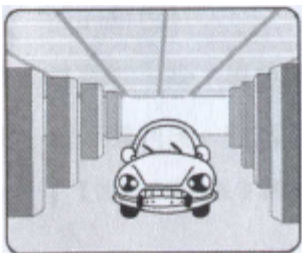
It is possible unable to receive GPS signal or signal low in these places:



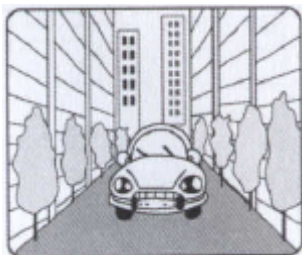
- Inside the tunnel, GPS signal is blocked.



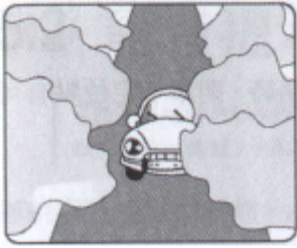
- Covers above, GPS signal is blocked.



- 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.