

Version	Issue date	Description
A	14 Nov. 2005	Initial Release

Your Polstar i-Geo+ GPS receiver uses world-class technology to provide you with a GPS receiver with superior performance to ensure the best possible reception wherever you go, from urban areas to highways to inner city streets.

#### What's in the box?

Make sure that your Bluetooth package includes the following:

Bluetooth GPS Receiver x 1

Car Charger x 1

Li-ION battery x 1

Travel Charger x 1.

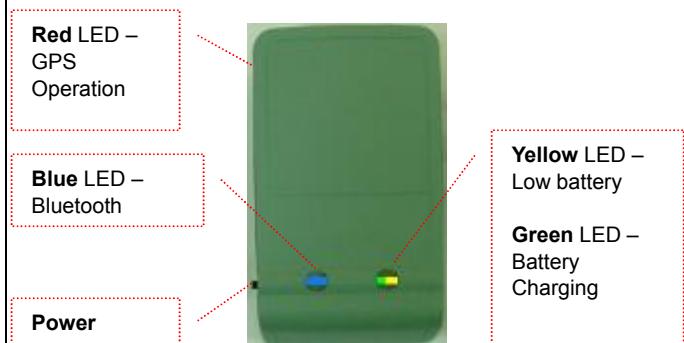


#### Getting Started

The Li-ION battery needs to be charged for at least 2 hours before being used for the first time. Simply place the battery into your i-Geo unit and plug the charger into your i-Geo unit.

**CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS MARKED ON BATTERIES.**

#### LED Indicators



**LED Flashing**-Function needs setup.

**LED On Continuously**-Function is fully working.

#### 3 Step Quick Start Guide for Pocket PC Users

1. Turn the receiver on once the battery has been fully charged and placed in the receiver.
2. Connect the Bluetooth GPS receiver to Pocket PC.
3. Enable GPS navigation in your Pocket PC.

#### How to connect your i-Geo+ to your Pocket PC?

1. Keep your i-Geo+ powered on as well as keeping it in an open place. The flashing Red LED indicates that the GPS is functioning and the flashing Blue LED indicates that the Bluetooth is functioning.

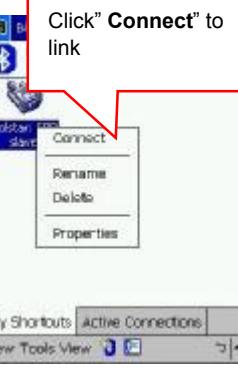
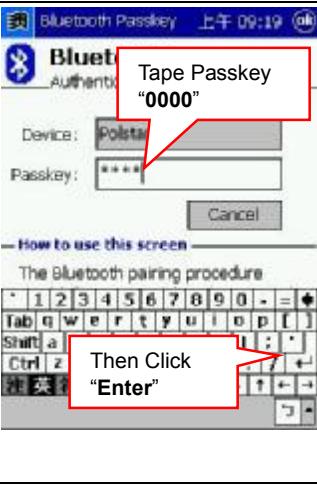
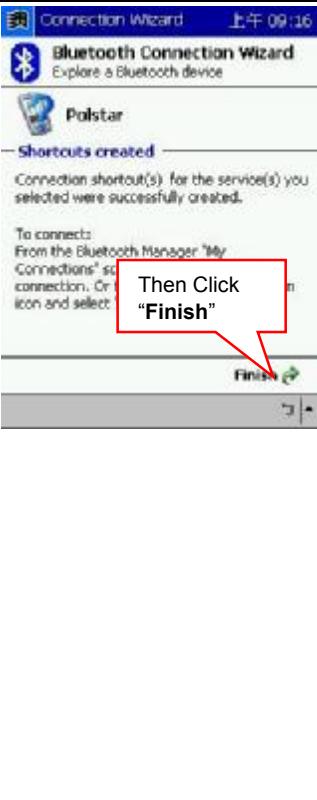
2. Turn on the Bluetooth manager

3. Click "new" to connect

4. Select "Explore a Bluetooth device" item and click "Next"

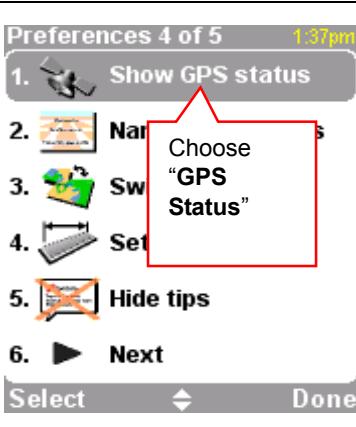
5. Click "Tap here to choose a device"



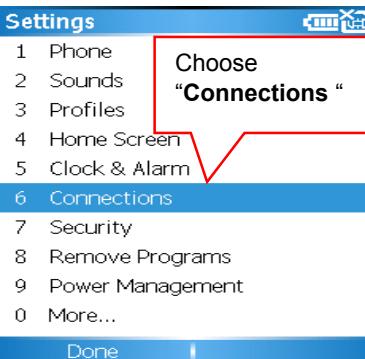
<p>6. While waiting for the Bluetooth device search, you will see the POLSTAR icon appear on the screen.</p> <p>7. Click "Polstar" to connect the Bluetooth receiver to your Pocket PC.</p>		<p>11. Now in the Bluetooth Manager menu, you will see the POLSTAR icon in the list. Tap the icon and select the Connect option.</p>	
<p>8. Enter the Passkey "0000" and then tap "Enter".</p>		<p>12. When the Bluetooth device has been connected successfully, the Blue LED will flash once every 2 seconds, compared to once every second when Bluetooth was unlinked. In the Active Connection window, you can check whether the Bluetooth connection is on or off.</p>	
<p>9. Select Bluetooth available service "SPP" in the Service Selection menu, and tap "next" to continue.</p>		<p>13. The Red LED will be turned on and lit continuously once your i-Geo+ has determined its current location. If it is flashing then your i-Geo+ is still trying to determine its current location.</p>	<p>14. Your i-Geo+ will now automatically and continuously receive the satellite's GPS data and transfer to Pocket PC via Bluetooth for the navigation application.</p>
<p>10. Now you have successfully created a Bluetooth Connection shortcut. Tap "Finish" to close the Connection Wizard program.</p>		<p><b>Operating Tips</b></p> <p>Keep the Bluetooth GPS receiver still until the position is fixed, otherwise, it will take a longer time to fix the position. The following conditions will affect the performance of your GPS, as well as taking more time to establish its location.</p> <ol style="list-style-type: none"> <li>1. Vehicles with solar film windows.</li> <li>2. Presence of tall buildings, using your GPS in tunnels or under bridges.</li> <li>3. Bad weather</li> <li>4. Presence of high frequency, voltage or other radio wave sources, such as base stations for mobile phones.</li> </ol> <p>If you experience a drop in performance, you can:</p> <ol style="list-style-type: none"> <li>1. Move to another location/away from interferences</li> <li>2. Move to an open place</li> <li>3. Wait for good weather</li> </ol>	

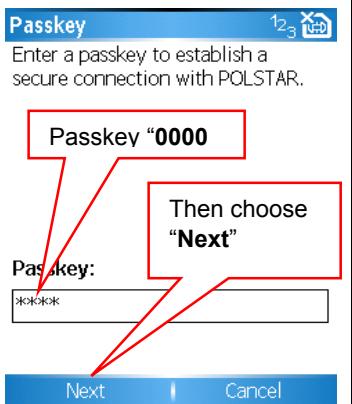
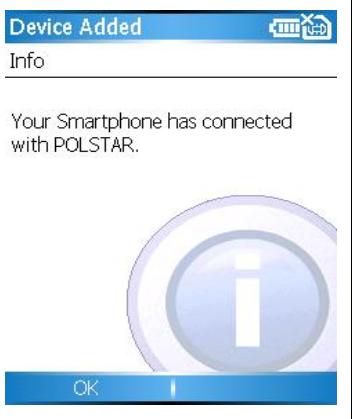
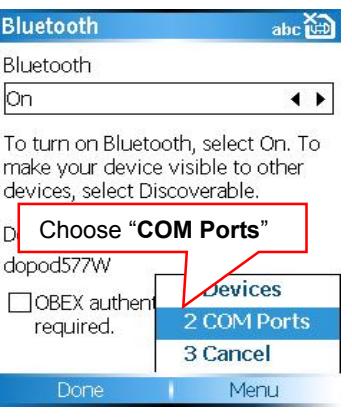
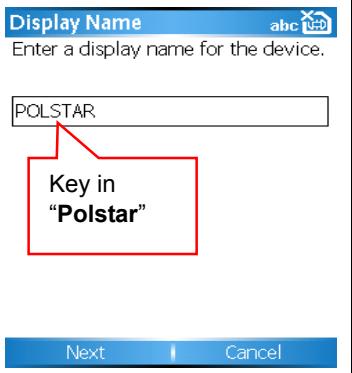
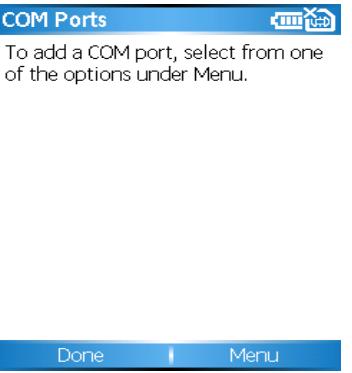
## How to connect your i-Geo+ to your Smart Phone?

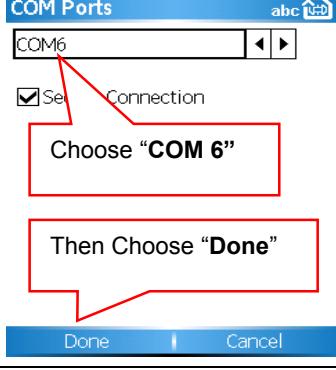
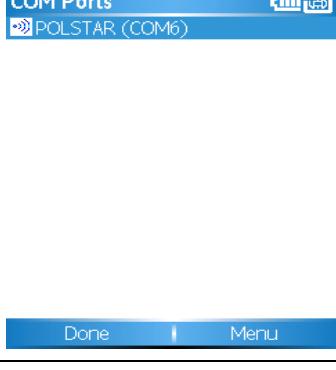
1. Under the main screen:		6. Press "Options" to add new device	
2. Press "menu" key and select "connect".		7. Turn on your i-Geo+ before your phone begins searching for devices	
3. Choose "Bluetooth":		8. You will find the "Polstar" icon	
4. Enable Bluetooth function		9. Select "POLSTAR":	
5. Move to next page for pairing device		10. Then key in the pass code "0000"	

11. Choose "No".		16. Your Smart phone will search for your i-Geo+ Bluetooth GPS automatically, Once it is found and connected successfully, the Blue LED flash once every 2 seconds, compared to once every second when there were no connections established.	<b>GPS Status</b> 1:38pm Other Bluetooth GPS 
12. Once your i-Geo+ has been paired with your phone, you will see this screen.		Your i-Geo+ has now been setup and can be used to receive GPS data and transmit it to the navigation software.	
13. Start your Navigation software			
14. You can determine your Bluetooth GPS-Phone connection status by selecting the GPS status option in the navigation software			
15. Execute "Show GPS status" and select "Other Bluetooth GPS":			

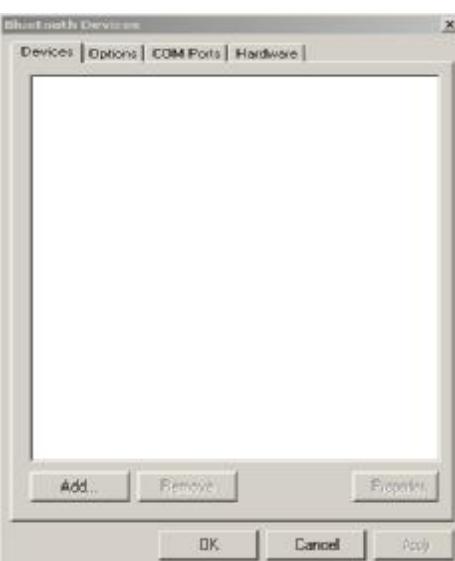
## How to connect your i-Geo+ to your PDA Phone?

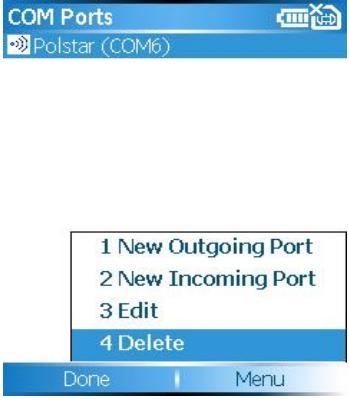
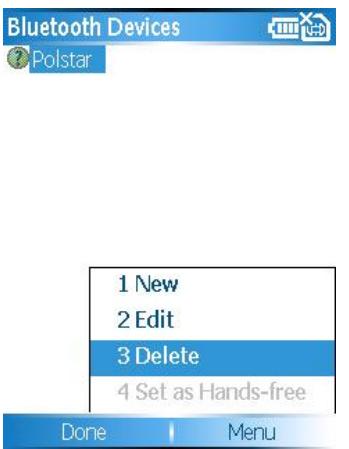
<p>1.Under the main screen.</p>		<p>6. Press "Menu" to add new device.</p>	
<p>2. Press "Start" and choose "Settings".</p>		<p>7. Choose "Devices".</p>	
<p>3. Choose "Connections".</p>		<p>8. Then press "Menu".</p>	
<p>4. Enter "Bluetooth" item.</p>		<p>9. Power on i-Geo+ first, before pressing "New".</p>	
<p>5. Enable Bluetooth "On".</p>		<p>10. Once the "POLSTAR" button has appeared, choose "Next".</p>	

11. Key in the Passkey "0000"		16. Select "Serial Port" and press "Done"	
12. After pressing "Next", your PDA phone will display i-Geo+ Bluetooth profile.		17. When successfully paired, you will see the screen on the right appear.	
13. You will see the information on the right once your phone has been successfully connected to your i-Geo+.		18. Press "Done" to assign COM Ports	
14. Please note that GPS data is NOT connected with i-Geo+ at this moment! The i-Geo+ will work once the pairing process has been completed.		19. Following the on screen instruction	
15. Because i-Geo+ uses Bluetooth SPP profile, you will see the following option.		20. Choose "New Outgoing Port" from the Menu, this is because i-Geo+ sends GPS data to your PDA phone	

<p>21. Select "POLSTAR" device</p>	 <p>Select "Polstar"</p> <p>Select Cancel</p>	<p>26. Navigation software will search available Bluetooth GPS receivers.</p>	 <p>正在尋找 GPS ....</p>
<p>22. Choose COM6 and press "Done"</p>	 <p>COM6</p> <p><input checked="" type="checkbox"/> Connection</p> <p>Choose "COM 6"</p> <p>Then Choose "Done"</p> <p>Done Cancel</p>	<p>27. When your Navigation software has found the i-Geo+, choose it and press "Establish connection".</p>	 <p>裝置清單</p> <p>POLSTAR</p> <p>Choose "POLSTAR"</p> <p>建立連線 功能表</p>
<p>23. COM port assignment has been completed.</p>	 <p>COM Ports</p> <p>POLSTAR (COM6)</p> <p>Done Menu</p>	<p>28. Once the connection is established, the Blue LED will flash once every 2 seconds. After that, return to the navigation software's main menu, select "GPS status"</p>	 <p>1. 返回導航 2. 2D顯示 3. 夜晚模式 4. 靜音 5. 模擬駕駛 6. GPS狀態 7. 規劃結果列表 8. 回家 ... 檢視 功能表</p>
<p>24. Return to the main menu and start your navigation software</p>	 <p>SmartMap3D</p> <p>市民大道 逸仙路</p> <p>光客運東站</p> <p>孝西路一段</p> <p>台北捷運站出口3</p> <p>段</p> <p>國商銀城中分行</p> <p>省北高 中正區</p> <p>100m</p> <p>檢視 功能表</p>	<p>29. You will see this information when the navigation software can receive GPS data from i-Geo+.</p>	 <p>GPS Status 1:38pm</p> <p>Other Bluetooth GPS</p> <p>E 121.01370° N 24.84182° 0° Kmh</p> <p>Configure Done</p>
<p>25. Enable "GPS Navigation"</p>	 <p>SmartMap3D</p> <p>市民大道 逸仙路</p> <p>光客運東站</p> <p>孝西路一段</p> <p>台北捷運站出口3</p> <p>段</p> <p>國商銀城中</p> <p>省北高 中</p> <p>1 啓動 GPS 導航 2 目的地 3 路徑規劃... 4 設定... 5 風格 6 地圖集 7 關於... 8 離開</p> <p>檢視 功能表</p>		

## How to connect your i-Geo+ to your computer/laptop?

<p>1. Ensure that your Bluetooth connections have been correctly setup. Please refer to your computer's user manual or Bluetooth documentation for more information on configuring Bluetooth settings for your computer.</p>	<p>6. Windows will now search for your i-Geo+. Once found, you should see a device named Polstar appear in the list of available devices. Select Polstar and press next.</p>
<p>2. Turn your i-Geo+ on.</p>	
<p>3. In Windows, click Start-Settings-Control Panel. Double-click the Bluetooth Devices icon in the Control Panel.</p>	
<p>4. In the Devices Tab under Bluetooth Devices, press Add.</p>	<p>7. Select the option "Use the passkey found in the documentation". Enter 0000 in the space next to the option.</p>
	<p><b>Add Bluetooth Device Wizard</b></p> <p>Do you need a passkey to add your device?</p> <p>To answer this question, refer to the "Bluetooth" section of the documentation that came with your device. If the documentation specifies a passkey, use that one.</p> <p><input checked="" type="radio"/> Choose a passkey for me</p> <p><input checked="" type="radio"/> Use the passkey found in the documentation: <input type="text" value="0000"/> </p> <p><input type="radio"/> Let me choose my own passkey: <input type="text"/></p> <p><input type="radio"/> Don't use a passkey</p> <p> You should always use a <u>passkey</u>, unless your device does not support one. We recommend using a passkey that is 8 to 16 digits long. The longer the passkey, the more secure it will be.</p>
<p>5. Check the box "My device has been setup and can be found" and press Next.</p>	<p>8. Windows will automatically configure your i-Geo+ and assign an Input and Output COM Port. The Outgoing Port will be used to connect your PC to your i-Geo+ by your navigation software.</p>
	<p><b>Add Bluetooth Device Wizard</b></p> <p>Completing the Add Bluetooth Device Wizard</p> <p>The Bluetooth device was successfully connected to your computer. Your computer and the device can communicate whenever they are near each other.</p> <p>These are the COM (serial) ports assigned to your device.</p> <p>Outgoing COM port: COM3 </p> <p>Incoming COM port: COM4</p> <p> Learn more about <u>Bluetooth COM pairs</u>.</p> <p>To close this wizard, click <b>Finish</b>.</p>

<p><b>Warning</b></p> <p><b>Procedure of Deletion:</b></p> <p>1. When you want to delete paired i-Geo+ in your PDA phone, the "COM Ports" MUST BE DELETED FIRST</p>		
<p>2. Then delete Bluetooth device</p> <p>If you delete the device first, the COM port might be locked by PDA phone as well as COM port may not to be accessible again.</p>		

**Important:**

- The Bluetooth functions of your i-Geo+ will shut down after 3 minutes of inactivity between itself and the computer/PDA/smart phone to conserve power, but will continue to receive GPS signals and calculate its current position. To reactivate the Bluetooth functions, please restart your i-Geo+ by turning the power off then on.
- Please recharge your batteries immediately when the yellow low battery LED indicator has been turned on.
- **RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS**

## **Warnings and Precautions**

**Warranty issue:** Polstar offers a one-year warranty for all of its GPS solutions.

**Warning:** Do not connect power to this product under poor satellite reception. If the product has been stored for a few weeks and the displayed date is incorrect, or you have traveled a long distance (greater than 500 miles) from where the unit was last used or you use the unit in areas with poor satellite visibility, then the unit may be looking for the wrong group of satellites, so there will be no satellite or too few satellite signals received for several minutes. You have to wait for 10 more minutes until the unit is forced to begin a cold start search, or you can download PDA Tester from our website to manually force a cold start command at the power-up at <http://www.polstargps.com/tech.htm>.

**Warning:** This product does not contain any user serviceable parts. Repairs should only be made by an authorized Polstar service center. Unauthorized repairs or modifications could result in permanent damage to the unit, and void your warranty.

**Warning:** Use this product at your own risk. This product is designed to be used only as a navigational aid and must not be used as sole means navigator for aircraft or for any purpose requiring precise measurement of location, direction or distance.

**Warning:** The United States government operates The Global Positioning System (GPS), which is solely responsible for its accuracy and maintenance. The system is subjected to changes that could affect the accuracy and performance of all GPS equipment. The specifications of the product can be misinterpreted and become unsafe.

**Warning:** If this product is used in combination with third parties' mapping software installed on a PDA, it is very important that you understand the operation of your PDA prior to using this product. Please notice that all the mapping data may be inaccurate or may be incompatible with your PDA, which might cause error or malfunctions. Please consult your navigation software or PDA vendor first to resolve the problem before returning this product to Polstar.

**Warning:** When using this product in vehicles; it's the sole responsibility of the driver to install this product and/or PDA to a secure place so that it will not interfere with vehicle operating controls and safety device, obstruct the driver's view, or cause personal injury in an event of an accident. It is also the sole responsibility of the driver to operate the vehicle in a safe manner. Do not operate PDAs or other devices while you are driving.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**Notice:** Any changes or modification not expressly approved by the party responsible could void the user's authority to operate the device.

## **Disclaimer**

Polstar Technologies, Inc. takes no responsibility for any use of this product that may result in law violation and/or accidents leading to personal injuries and/or property damage. It is the user's own responsibility to operate the product in a prudent manner that will comply with the law. Polstar will take no responsibility for the consequences caused by inaccurate satellite transmissions. The Government of the United States of America is solely responsible for the accuracy and maintenance of the GPS system.

## **Limited Warranty**

This written warranty is the complete and final agreement between the original Purchaser and Polstar Technologies, Inc.

### **1. Manufacturer's Warranty**

Polstar Technologies, Inc. (Polstar) warrants this entire product to be free from defects in materials or workmanship under normal use that is consistent with this user manual for a period of one year, beginning from the date of delivery/retail purchase. This warranty will only cover Polstar products that have been purchased directly from Polstar or any Polstar authorized retailer. This warranty only applies to the original Purchaser and will be deemed void by Polstar when the possession of the product is transferred to any subsequent owner(s).

### **2. Purchaser's Remedy**

The Purchaser's exclusive remedy under this warranty shall be limited to the repair or replacement of the product. This is at the discretion of Polstar and is free of charge for labor or parts. All warranty services must be made at Polstar, the place of purchase or any Polstar accredited service centers.

### **3. Purchaser's Duties**

To obtain warranty services for a defective product, the Purchaser must return the product complete with the original parts and components, along with the original sales receipt as proof of purchase to the place of purchase or a Polstar accredited service center. The purchaser will be solely responsible for the costs involved in returning the product to Polstar, the place of purchase or a Polstar accredited service center, such as but are not limited to: insurance, packaging or transportation.

### **4. Exclusions of Warranty**

This warranty will not cover damage, defects or failures caused by the following:

- a. Unauthorized repairs, services and/or modifications made to the product.
- b. External causes, such as abuse, use of the product that is inconsistent with the instructions of this manual, accident, shipping, exposure to liquids or failure to acknowledge warnings in this user manual and the surroundings.
- c. Disasters or events such as but are not limited to war, accidents, fires, earthquakes, hurricanes and floods.
- d. Negligence by the Purchaser.
- e. Using the product outside the recommended operating conditions specified in the specifications of the product.

Any service or modification performed on the product other than routine cleaning must be performed by a Polstar accredited technician, at a Polstar accredited service center or at the place of purchase. Failure to do so will void your warranty.

### **5. Exclusion of All Damages**

Polstar disclaims any liability of any kind for any damages, incidental or consequential whatsoever as a result from using this product to the Purchaser or any other person. By using this product, you hereby waive the damages stated in this Limited Warranty, which includes, but not limited to loss of profits, damages or expenses resulting from the use of the product.

### **6. Exceptions**

The legal rights stated in this Limited Warranty may differ from country to country. In countries that do not allow the exclusion or limitation of incidental or consequential damages, the limitation will not apply to you. In countries that do not allow limitations on implied warranty or how long an implied warranty lasts, the limitation will not apply to you.

## **FCC Statement**

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## **User Information**

This device complies with part 15 of 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.

To comply with FCC RF exposure requirement, this device and its antenna must be not co-located or operating in the conjunction with any other antenna or transmitter.

**The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc.. Other trademarks and trade names are those of their respective owners.**