*** USER'S MANUAL ***

FCC ID : SRKWPBT100S

The Federal Communication Commission Statement

This equipment has been tested and found to comply with the limits for a Class B Digital Device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of more of the following measures: -

- **Reorient or relocate the receiving antenna.**
- **Increase the separation between the equipment and receiver.**
- **Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.**
- **Consult the dealer or an experienced Radio/TV technician for help.**

Use only shielded cables to connect I/O devices to this equipment. You are cautioned that change or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

THIS DEVICE COMPLIES WITH PART 15 OF THE 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 INTERFERECE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

1. This device may not cause harmful interference and
2. This device must accept any interference received, including interference that may cause undesired operation.

Bluetooth GPS Receiver

User's Guide

Bluetooth GPS Receiver *User's Guide*

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1. Read Me First

1. The battery must be charged for at least 8 hours for the 'INITIAL' use. The LED1 (ORANGE) will turn off after 3 hours' charging, please keep on charging for 5 more hours. Thereafter, for each time's battery charging please fully charge for 3 hours.
2. We strongly recommend that remove the battery if the device will not be used for over 2 weeks. Do not remove the battery within 2 weeks.
3. For fast data tracking purpose staying still before get fixed is recommended. (FIX then GOES!!)
4. Please note that the device will only receive the signal under the open sky. In this case, putting the device under the windshield is recommended.
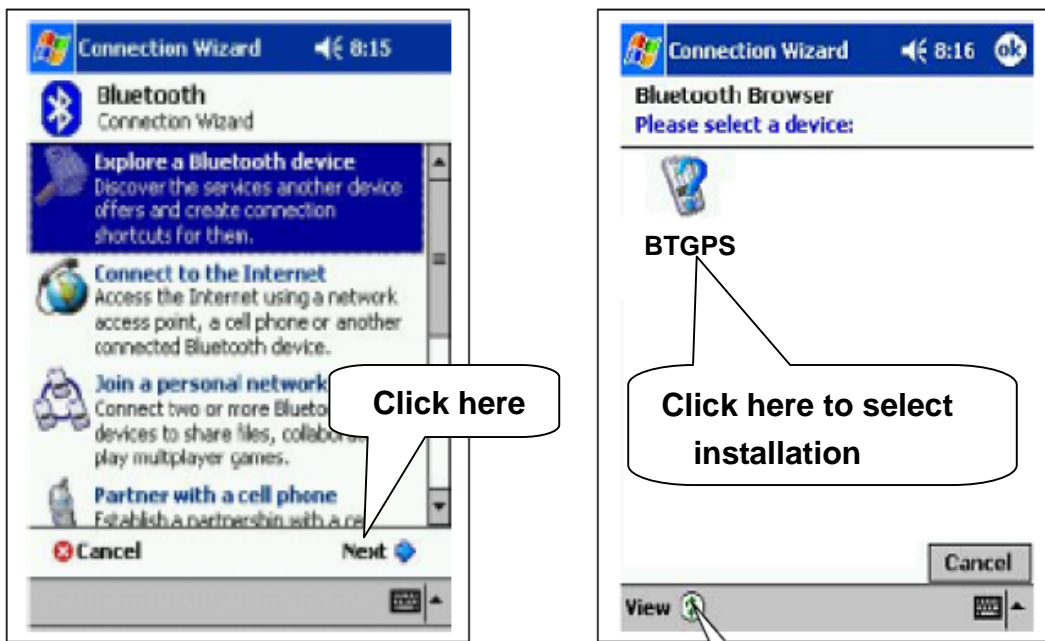
2. Box Contents

1. GPS Bluetooth Receiver
2. Lithium-ion rechargeable battery
3. Car charger
4. Power adapter
5. Document CD
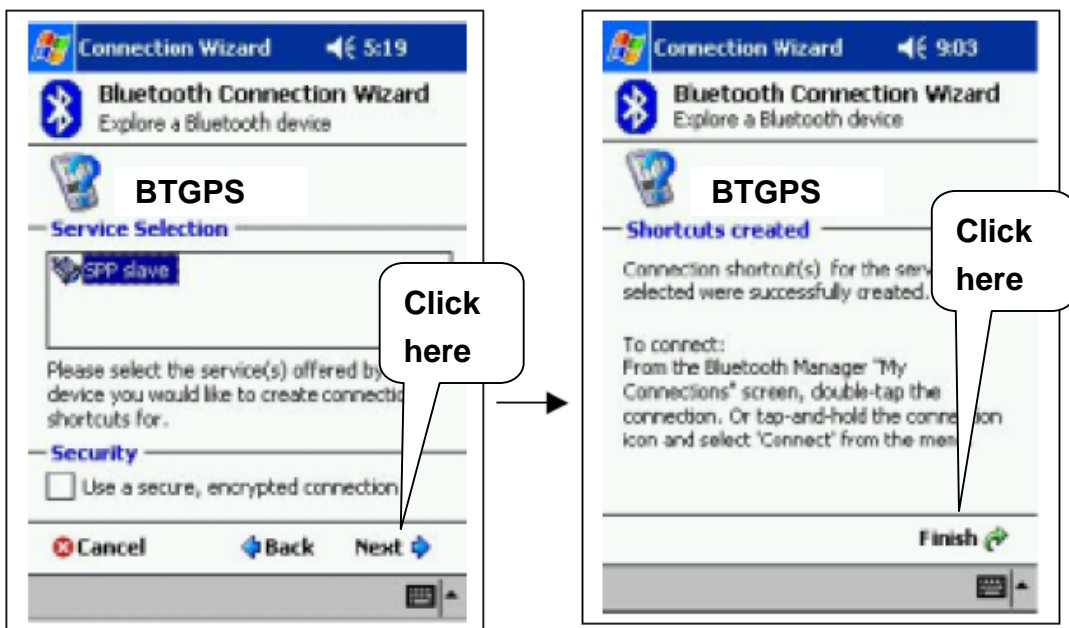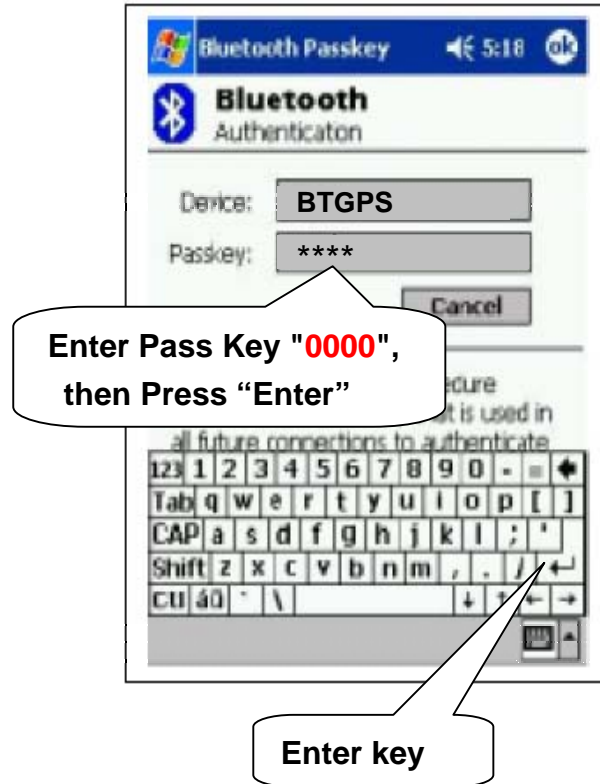6. Anti-Slip Rubber Pad

3. Getting Started

1. Install the battery

2. Turn on the GPS Bluetooth receiver.
   Press the power button for 1 second or until the LED2 (GPS Fix Status) turns into **RED** and LED4 (Bluetooth Status) turns into **Blue**.

3. Activate Bluetooth function of your PDA / PC
   Prior to activating the Bluetooth function of your PDA / PC, please make sure the device is equipped with Bluetooth function, and the driver software has been installed.

4. Activate Bluetooth Manager & Established New Connections.
   Illustrations using HP 2100 PDA as follows:
   1. First, find the device with which you wish to establish connection.
   2. Open "Bluetooth Manager" on your pocket PC.
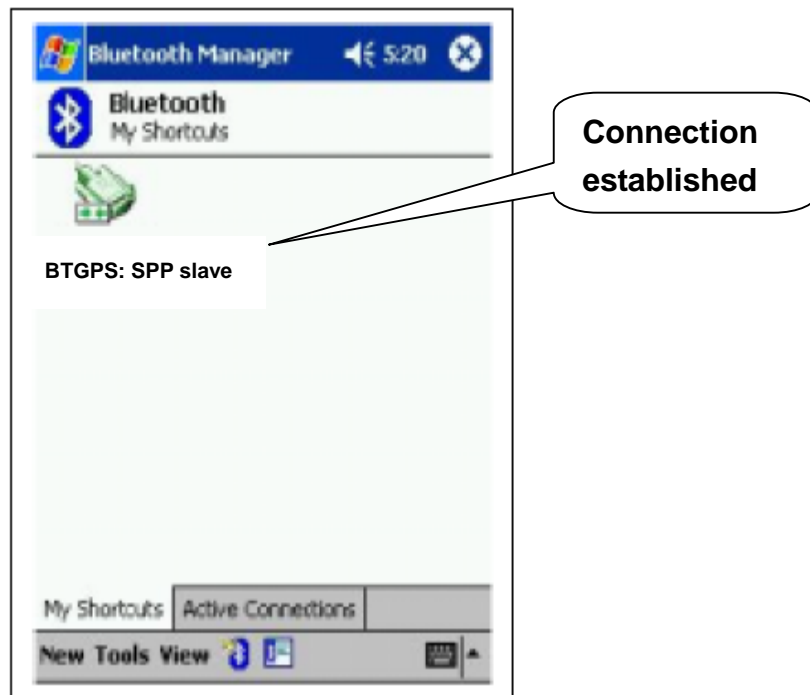   3. Press "New".
   4. Press "Connect".

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Click here

Click here to select installation

BTGPS

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Enter Pass Key "0000", then Press "Enter"

Enter key

BTGPS

Click here

Click here

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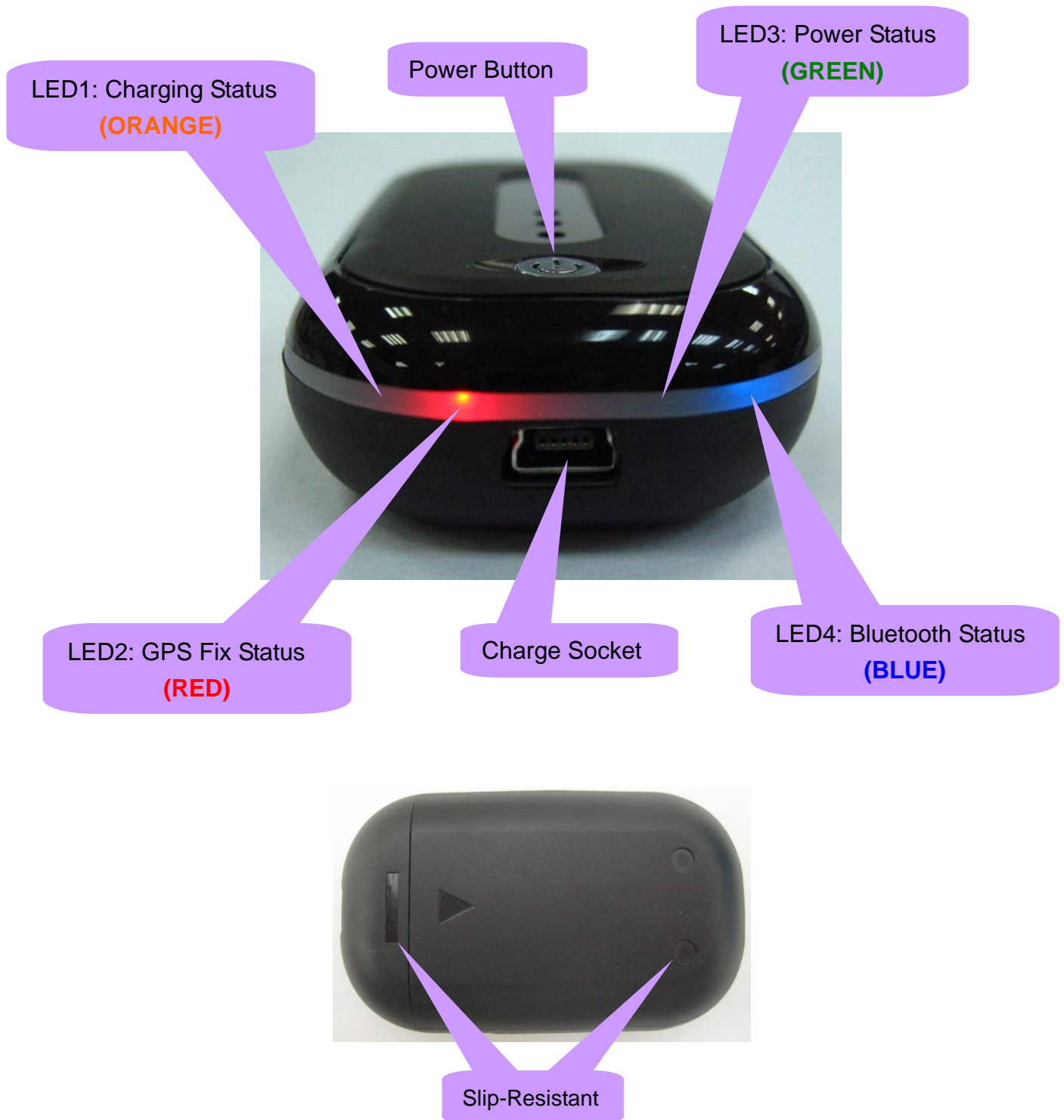**The connection between GPS Bluetooth receiver and PDA has been successfully established**

5. Turn off the GPS Bluetooth receiver
   Press the power button for 1 second, all LEDs will goes off.

We recommend that close the E-map before turning off the GPS Bluetooth receiver, in order to avoid any possible PDA /PC freeze.

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4. Hardware Description

LED1: Charging Status **(ORANGE)**

Power Button

LED3: Power Status **(GREEN)**

LED2: GPS Fix Status **(RED)**

Charge Socket

LED4: Bluetooth Status **(BLUE)**

Slip-Resistant

5. LED Indicator

Power on:

LED1: Charging Status	LED2: GPS Fix Status	LED3: Power Status	LED4: Bluetooth Status
N/A	**Red (Keep ON)** GPS not fixed yet!	**N/A**	**Blue** Blinking quickly for the first 5 sec., then blinking slowly (in paring mode)

GPS get fixed/Bluetooth connected:

LED1: Charging Status	LED2: GPS Fix Status	LED3: Power Status	LED4: Bluetooth Status
N/A	**Red** Blinking	**N/A**	**Blue** Blinking quickly

- Low battery: LED3 (GREEN) blinking for every 1 second

- Charging: LED1 (ORANGE) ON; the GPS Bluetooth receiver will automatically turns on

- Battery is fully charged: LED1 (ORANGE) turns off

- GPS Bluetooth receiver will automatically turns off if no Bluetooth connection after 10 minutes

Low Battery

Charging

GPS Bluetooth operates on OS with Bluetooth function that supports SPP

In order to avoid any unexpected problem,
DO NOT attempt to change the default baudrate

6. Specification

GPS Features

Chipset	SiRF Star III
Frequency	L1, 1575.42MHz
C/A Code	1.023MHz chip rate
Channels	Supports 20 channels
Antenna (Internal)	Built-in low noise antenna

Sensitivity

To – 159dBm Tracking, Superior Urban Canyon Performance

Time to First Fix (TTFF)

Cold Start	42 sec, average
Warm Start	38 sec, average
Hot Start	1 sec, average
Reacquisition	0.1 sec
Update rate	1 Hz (max.)

Accuracy

Position	5 – 25m CEP without SA
Velocity	0.1m/sec, without SA
Time	1μs synchronized to GPS time

Power

Built-in rechargeable 1100mAh Li-ion battery and 5V DC input

Operation Current	<45mA (Typical)
Operation Time	24hrs, fully charged, in continuous mode
Charging time	3.0hrs. (Typical)

Datum

WGS-84

Dynamic Conditions

Altitude	<18,000 m (60,000feet)
Velocity	<515 m/s (1000 knots)
Acceleration	<4G
Motional Jerk	20m/sec^3 max.

Interface

Communication Protocol: Communicate with host platform via Bluetooth (class 2) serial port profile

Bluetooth communication distance 10meters (Typical)

GPS Protocol: Default: NMEA-0183 - GGA, GSA, GSV, RMC, VTG

Data bit: 8, stop bit: 1 (Default)

Device Size and Weight

77.05 (L) X 46.10 (W) X 19.50 (H) mm

3.03 (L) X 1.81 (W) X 0.77 (H) inch

59g (battery included)

Accessories

Car charger (12V in, 5V output)

AC adaptor (5.3V output, 500mA)

Environmental Characteristics

Operating Temperature	- 10°C to + 60°C
Storage Temperature	- 20°C to + 85°C

All specifications are subject to change without notice