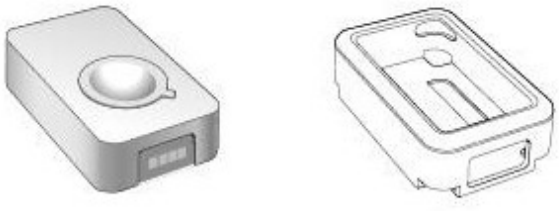
GT-120B/GT-600B Bluetooth GPS Logger User's Guide

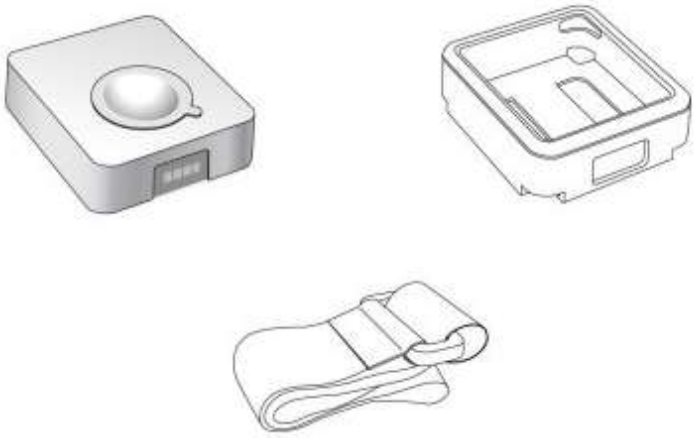
Product Brand: Mobile Action
Package contents & specifications

The **GPS Logger** package comes with 1 GPS data logger, and 1 color jelly case, and 1 fastening strap (GT-600B).



GT-120B package contents

GT-120B	
Dimension	44.5 x 28 x 13.5mm
Weight	21.5g
Antenna	BBu uilt-in GPS & BLE Chip antenna
Memory	16M bit Flash Memory to store 65,000 waypoints
Battery	Built-in 380mAh Li-Polymer battery
LED indicators	2 LEDs for On/Off/Charge/Logging status indication
Cold start	< 35 seconds
Wireless interface	Bluetooth 5. 2
Connection interface	USB 2.0
Operation temperature	-10 °C to + 50 °C
Water-resistant	Yes



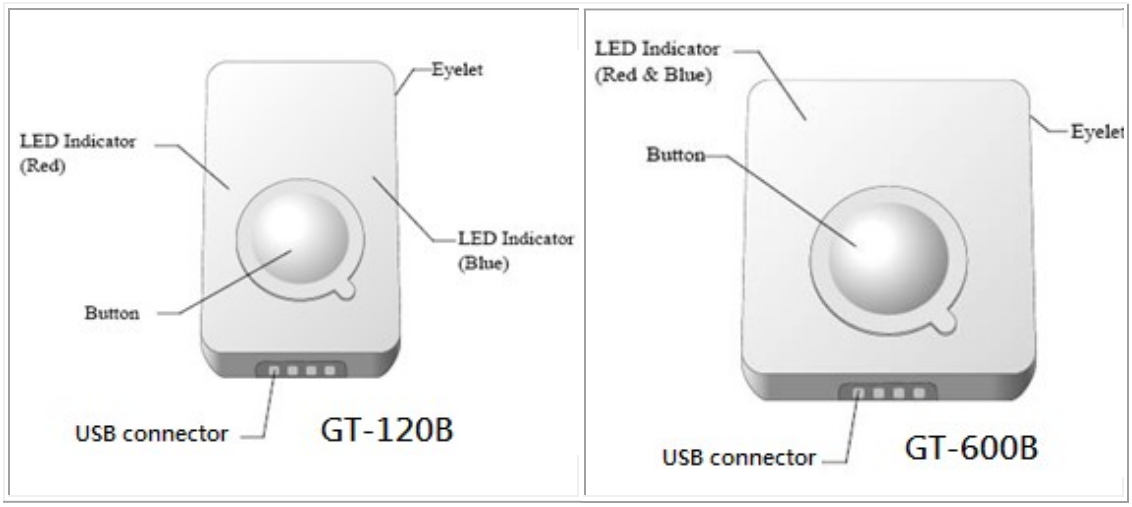
GT-600B package contents

GT-600B	
Dimension	46 x 41.7 x 14.3 mm
Weight	33g
Antenna	BBu uilt GPS & BLE Chip antenna
Memory	64M bit Flash Memory to store 262,000 waypoints
Battery	Built-in 700mAh Lithium-ion battery
LED indicators	2 LEDs for On/Off/Charge/Logging status indication
Cold start	< 35 seconds
Wireless Interface	Bluetooth 5. 2
Connection interface	USB 2.0
Operation temperature	-10 °C to + 50 °C
Water-resistant	Yes
Motion detection	Yes

USB Cable	**USB 2.0 Cable** works both as **GT-600B / GT-120B** built-in battery charger and data transfer medium for **GT-600B / GT-120B**.
i-gotU GPS Software	**i-gotU GPS** is an easy to use software tool to manage and visualize the GPS waypoints recorded on your device . Follow the on-screen instructions to complete the installation.
GPS Logger jelly case	Besides especially designed for broader appliances, both **GT-120B & GT-600B** also comes with a jelly case for easier wear or any other kind of attachment.
GPS Logger Fastening Strap	**GPS Logger Fastening Strap** allows you to tie and fasten the GPS Logger anywhere for easier travel.

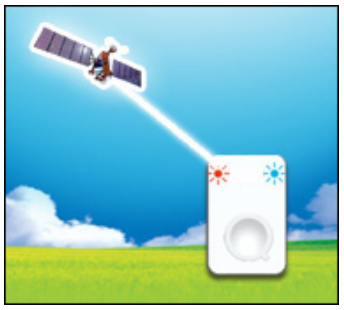
Note: Considering the need for GPS Logger to be used outdoors, it is designed as a water-resistant device. Just like the watch, it'll still function normally when it gets splashed by rain or water. Although it is made water-resistant, it should **NOT** be carried under water for activities like swimming, diving, and etc. Inappropriate use of GPS Logger might cause unexpected damages to it.

Outlook of GPS Logger



Getting Started with GPS Logger

The following demonstrates how to get started with your **GPS Logger** and **i-gotU GPS** software:



1. Install i-gotU GPS software

Please download **i-gotU GPS** software from the company's website and follow the on-screen instructions to install **i-gotU GPS**.

2. Charge GPS Logger

The **USB Cable** serves as a charger as well as data transfer medium. Please connect your **GPS Logger** to PC and have it fully charged.

It takes about 4 hours to fully charge your **GPS Logger** for the first time. 2-hour charge is enough for later use. The red LED indicator stays on during charging, and goes off when charging is complete. Remove your **GPS Logger** when charging is complete.

Tip: You can also use any market available standard USB car charger or USB travel charger to charge up the battery power for your **GPS Logger**.

3. Power on/off your GPS Logger

Long press the button to power on/off your **GPS Logger**. The blue LED indicator blinks once upon power-on, and the red LED indicator blinks upon power-off.

Tip: Go to GPS Logger LED indicators to familiarize yourself with the LED indicators.

4. Initiate your GPS Logger for the first GPS fix

It requires a clear sky for your **GPS Logger** to receive GPS signals and acquires a GPS fix. Please leave your **GPS Logger** on the balcony, the top of your car, or anyplace where there is no obstruction or shading to fasten up the GPS fix acquisition for your **GPS Logger**.

Once the first GPS fix is successfully acquired, both the blue and red LED indicators of **GPS Logger** will blink simultaneously twice, indicating that track logging has begun. **GPS Logger** will then start logging based on the tracking interval configured in the hardware settings of the device.

Note:

1. Find the LED indicationdetails in GPS Logger LED indicators.
2. For more detailed information on the GPS fix, correct wear and use of your **GPS Logger**, please refer to Essentials for Beginners.

5. Data import by i-gotU GPS software

Connect your **GPS Logger** to your computer, and launch **i-gotU GPS** to start importing track data logged in your GPS device. Click **Download Data** button and follow the on-screen instruction to import the track logs saved on **GPS Logger**to your computer. Click on the device name, and you can see it on **Google Map** in few seconds.

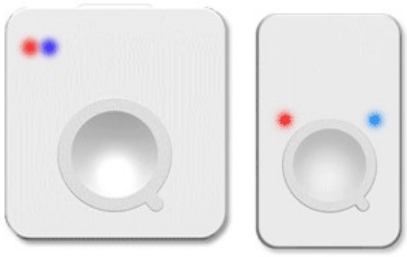
Note:

1. It requires Internet connection to retrieve the map data for the selected track.

GPS Logger LED Indicators

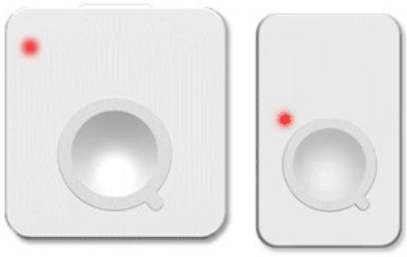
Power On : The blue LED indicator blinks once every 4 seconds.

Operation: Long press (over 1.5 seconds) the button to power on GPS Logger.



Data Logged : Both the red and blue indicators blink simultaneously twice.

Status: Device is powered on and GPS data has been logged successfully.



Power Off : Short press the button, and the red LED blinks indicates the GPS Logger is powered off.

Device Charging : The red LED indicator stays on during charging and goes off when charging is complete.

Battery Low : The red LED blinksonce every 4 seconds.

Memory Full : The red LED blinks twice every 2 seconds.

Essentials For Beginners

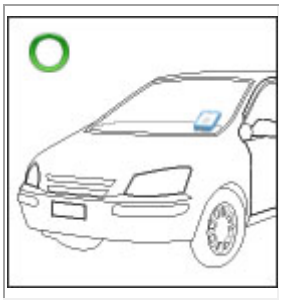
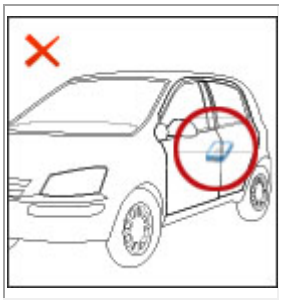
Before hitting on the road with your **GPS Logger**, please read the following information thoroughly to ensure the **GPS Logger** to work properly.

GPS Logger wear & attachment

When taking **GPS Logger** from indoors to outdoors, it usually takes longer to get a GPS fix. Please place your **GPS Logger** face-up toward the sky and press the button to acquire a GPS fix.

Tip: If **GPS Logger** functions normally and gets a GPS fix, both the red and blue LED indicators blink simultaneously twice, indicating the current GPS information is logged successfully to the device memory.

Please always place your **GPS Logger** exposed to the open sky to ensure the successful GPS fix acquisition. Refer to the illustration below to expose your **GPS Logger** as much as possible in the open sky to ensure stable and successful GPS fix acquisition.

			
face-up	exposed to the sky		near the car windshield
			
face-down	inside backpack/ bag or pocket		on the car backseats

GPS Logger setup

Click **Device Settings** button on the main menu bar of **i-gotU GPS** software to configure your **GPS Logger**.

GPS Logger is water-resistant, designed for a broader use. Multiple tracking modes with different data logging intervals work for both short & long journey.

Safety information

Please do not leave your **GPS Logger** exposed to high temperature for a long time, such as on the inside of the windshield of a car at noon in the summer, to avoid device overheated to cause any device malfunction or danger.

GPS Classroom

What is GPS: Global Position System (GPS) is developed and operated by the Department of Defense (DOD) of the United States, on which the accuracy and maintenance of this system fully depends. Any change made by the authorities might influence the accuracy and performance of the GPS equipments.

How GPS works: GPS provides satellite signals which are specially coded for the computation in a GPS receiver to produce the position, velocity and time. Usually it requires four GPS satellite signals to computer correctly the position in three dimensions and the offset time of the GPS receiver's clock.

Limitations on GPS reception: Initial or any use after a longer interval over four hours takes a few minutes for a successful location. Any obstruction above or around the receiver, such as high buildings in the neighborhood, or bad reception location, such as in a tunnel or in the building, will influence the time needed for a successful GPS location.

Cold Start: Cold start of the GPS device refers to the state of the tracker when time and position are known to within some limits, the almanac known, and the ephemeris unknown.

Example: If the GPS device has been off for a few hours, and the ephemeris data is known for at least three satellites, the start up will be a warm start and fix the positional in 10 - 20 seconds. Therefore, if ephemeris data for only 2 or less satellites is known it's a cold start and acquisition will take as much as a few minutes.

Warm Start: Warm start of the GPS device refers to the state of the device when time and position are known to within some limits, the almanac known, and at least 3 satellite ephemeris are known from previous operation.

Example: If the GPS device has been off for only a few minutes, the ephemeris data for all the satellites will be known and therefore the GPS device will fix the positional in a matter of seconds.

Note: The almanac data is an estimated (computed) data and can be valid for months while the ephemeris is only valid for 3 - 6 hours.

Note: Actual acquisition time depends on the terrain and satellite coverage.

Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Note: 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 instructions, may cause harmful interference to radio communications. 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 or 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.

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 interference received, including interference that may cause undesired operation.

RF exposure statements
This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. GPS provides satellite signals which are specially coded for the computation in a GPS receiver to produce the position, velocity and time. Usually it requires four GPS satellite signals to computer correctly the position in three dimensions and the offset time of the GPS receiver’s clock.

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。
低功率射頻器材之使用不得影響飛航安全及干擾合法通信;經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。
前述合法通信，指依電信管理法規定作業之無線電通信。
低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。