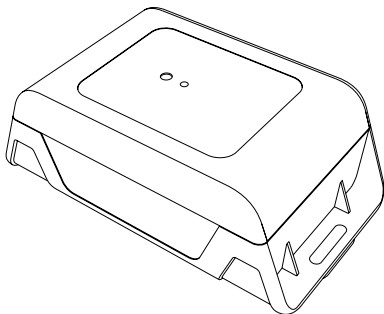


# Portable Tracking Terminal

## User Manual V1.0



The product specifications and information in this document are for reference only and no prior notice will be given if any change is made. Unless otherwise stated, the content of this document is not a guarantee in any form.

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## Product Description

### 1.1 Product Features

Position fix via GPS, BDS, LBS, and WiFi network	Tamper alert
High-capacity battery	IP67 water and dust resistance
Extra-long standby time	Bluetooth-related alerts
Low battery alert	Vibrating alert

### 1.2 Specifications

Cellular	LTE-FDD: LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B17/B18/B19/ B20/B25/B26/B28/B66 ; LTE-TDD: B38/B40/B41
	GSM:850/900/1800/1900MHZ
GNSS accuracy	< 2.5m CEP
Service life	10 years (one fix per day by default)
Operating temperature	-20°C to +70°C
Dimensions (LxWxH)	120*68*45mm

### 1.3 Packing List

LL705 unit	1 Piece
Screws	1 Pack
Screwdriver bit	1 Piece

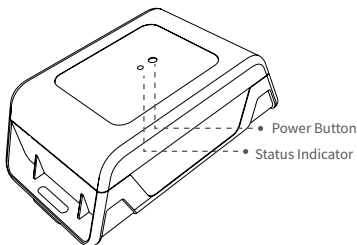
#### Tips:

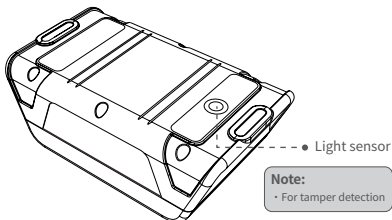
- Please check the received package to see if all accessories are included.
- The accessories are subject to actual items. As the product is in constant upgrade, no prior notification will be sent to you for any update in this User Manual.

## 1.4 GSM LED

Status	Meaning
On for 0.3s and off for 0.3s interchangeably	The cellular network is initializing.
On for 0.3s and off for 3s interchangeably	The device is in a call/online.
Solid on	No SIM card is found or the SIM card is improperly inserted.
On for 1s and off for 3s interchangeably	The device cannot connect to the platform.
On for 3s to 5s and then off	The device is shut down.
On for 3s to 5s and then the LED works as preset	The device is turned on.

## 1.5 Product Appearance Description





## 1.6 Working Modes

- Tracking mode: The cellular is always enabled and the device uploads location data in a preset interval that be configured via the platform designated by your dealer.
- Regular GPS mode (default): The device will wake up at preset intervals to upload location data. The interval can be configured and is 24 hours by default. If the over-Bluetooth clocking feature is enabled, then the device will upload clocking records or Bluetooth-related alerts.
- Alarm-based mode: The device will wake up to upload location data at the preset alarm time (a maximum of 12 alarm clocks can be set) and enter sleep mode after the upload is complete.
- Time-block-based mode: The device will wake up to upload location data in the preset time block and enter sleep mode after the upload is complete.

## 1.7 Alerts

- Low battery alert: This alert is triggered and uploaded when the SoC of the device is lower than 20%.
- Vibrating alert: This alert is triggered and uploaded when the device detects frequent unexpected vibrations after it is installed and its vibration detection feature is enabled. After this alert is triggered, the device will enable tracking for 10 minutes and then return to its previous working mode or you can send a command to force the device to exit the tracking mode.
- Tamper alert: This alert is triggered and uploaded when the device detects its ambient environment changing from dark to light after installation (the installation will keep the light sensor in darkness). The device then enables its tracking mode for 10 minutes and then returns to its previous working mode or you can send a command to force the device to exit the tracking mode.

## Use Instruction

### 2.1 SIM Card Attachment

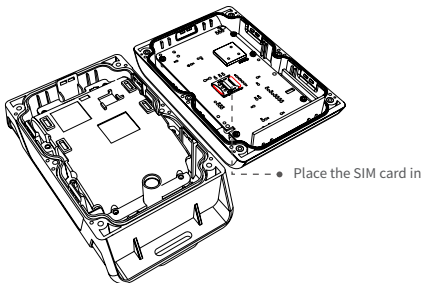
- Carefully open the upper cover of the device. Slide the SIM card holder to the unlock position and open it up. Place the SIM card in the slot correctly. Close down the holder and slide it to the lock position. Then mount the cover back.

### 2.2 Power-On and -Off

- Power the device on: Press and hold the power button for 5 seconds.
- Shut the device down: Press and hold the power button for 5 seconds.

### 2.3 Device Installation

- The device is equipped with a strong magnet, which can be attached to any ferromagnetic surface.
- The holes are reserved for fastening the device with screws or cable ties.



## Platform Operations

Once the device is bound to the service platform or mobile application designated by the dealer, you can monitor it, configure it, and do more with the platform or application.

### 3.1 Logging In to Service Platform

- You can configure and control the device via the service platform.

### 3.2 Downloading Mobile App

- You can download the mobile app via the URL provided by your dealer.

## Precautions About Battery

Please use batteries that are specified by the manufacturer of the device. The manufacturer will assume no repair liabilities for damages resulting from the use of non-original accessories.

- Avoid metal objects as they may cause short circuits on battery contacts.
- Do not bend or forcibly open the battery.
- Do not soak the battery in water or expose it to fire.
- It is forbidden to use batteries that are deformed, discolored, spilled, or package-damaged.
- It is forbidden to disassemble or modify the battery.



## Troubleshooting

When an issue arises with the device, you can troubleshoot it by the following solution. If the issue persists, please don't hesitate to contact your dealer or service provider.

Common Issues	Possible Causes	Solutions
Poor signal	The device is used in an area where radio waves cannot reach, such as near high-rise buildings or in a basement.	Try it in a place where satellite signals can be well received.
Power-on failure	No SIM	Insert a SIM.
	The battery is exhausted.	Charge the device.
Failed to access the network	The SIM card may be attached improperly.	Check the SIM.
	The metal side of the SIM card is stained.	Clean it with an eraser.
	The SIM card is invalid.	Please contact your network service provider.
	The device is out of cellular service areas.	Try it in a service area.
	The signal is extremely weak.	Try it in an area with strong signals.
Failed to query a location	The SIM is not activated with the GPRS service.	Please contact your network service provider and activate the GPRS service.
	The device keeps replying with "No data found, please try again".	Please contact your dealer.

## Warranty Instructions and Service

### 6.1 Special Note

- No prior notice will be given if the product is upgraded due to technological reasons.
- The appearance or color of the product is subject to the actual.
- The warranty card applies to the services of repair, replacement and refund of the product with the following IMEI.
- Please keep this warranty card and the original purchase receipt together in a safe place, as these will be needed at time of services.

### 6.2 Warranty Terms

- For damages not caused by human factors, this warranty lasts for one year starting from the date of purchase.
- You can choose to pay for the repair services in any of the following cases:
  - ① The warranty card expires;
  - ② No warranty card or valid proof of purchase;
  - ③ The product, including its accessories, is not in the warranty period;
  - ④ Quality issues resulted from unauthorized repair, crash, liquid spillage, accident, modification, or incorrect voltage input; or the label, IMEI, or counterfeit mark of the device is broken or scribbled;
  - ⑤ Damage caused by installing or using the device without following the instructions in this User Manual;
  - ⑥ The warranty does not cover damages resulted from soaking in liquid;
  - ⑦ The product model is inconsistent with that on the warranty card or the warranty card was altered;
  - ⑧ Damage caused by force majeure such as fire, flood, or lightning.

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## 6.3 Note

- For vehicle trackers

As of January 1, 2016, the warranty lasts for 1 (one) year from the date of purchase.

- The specific terms are

1. A full replacement, including accessories, if the product is found defective during the unpacking check (that is, the device has neither been installed nor used);

2. If a defect occurs within one year after installation, then:

① ©Replace only the mainboard if the housing is intact and doesn't affect normal use; or

② @Replace the housing and the mainboard if the housing is defective and affects normal use (Please be noted that man-made damages will void the replacement service for the housing).

3. Free repair services will be given to the product if a defect is found during the first year under proper use.

## Warranty Card

### Customer Information

Customer Name		IMEI No.	
Mailing Address			
Product Model		Phone	
Date of Purchase		Invoice No.	
Purchased From			
Address			
Phone			

**\*This is the basic document for warranty services. Please carefully fill in and safely keep this card.**

### Maintenance Record

Service Start Date	Problem and Solution	Service End Date	Customer Signature

### Important

Please keep this warranty card in a safe place, as it is the proof for one-year free warranty services. If this card is lost, the Company will determine the date of purchase to be the thirtieth (30th) day after the date of production.

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 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 and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

NOTE: Unauthorized modifications could void the user's 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 interference received, including interference that may cause undesired operation.

#### FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.