

# LTE Cat M1 TRACKER

<GNSS+GPRS+LTE CAT M1+GPIO>



POM1

## User Manual

— Real-Time Vehicle Tracking System —

# CATALOG

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Welcome to use our device , please read this manual carefully to install and operate device

exactly. This user manual is for reference only. If some contents and operation steps are inconsistent with those for the actual product, the latter will prevail.

## I. Product Features

- Supports GSM/LTE CAT M1.
- GPS precise positioning, Support A-GPS, uploaded by LTE/GPRS regularly, real-time tracking and history track playback.
- Serial port.
- Built-in G-sensor, vibration, alarm.
- Built-in L-sensor, Brightness alarm.
- Built-in T-sensor, Record temperature

## Basic Specifications

Voltage	3.3~4.2 VDC
Standby Current	IDLE(35uA@3.8V)
GPS Accuracy	5-15m
GPS Band	1575MHz
GSM Band	850/900/1800/1900MHz
WIFI Band	2.4 GHz (receive only)
LTE Band(catm1)	B1/B2/3/4/5/8/12/13/20/ 25/26/28/66/85
Working Temperature	Arrange -20°C~75°C
Hot/warm/cold Start	<3s, <15s, <60s
Dimensions (mm)	69.8x82.5x24 (mm)
Work Humidity	20%~80%RH
Net Weight	152g

## II. Components

- Components



-Top Front-  
(Towards sky)



-Bottom -

### III. SIM Card Installation

Open the packing case, check if device is OK and accessories are intact,

You need a suitable SIM card for using device, contact your dealer if any question;



SIM card installation requires the case to be disassembled

Note:

- Please cut off the power before installing or uninstalling SIM card.
- SIM card should have GPRS/LTE function.



## **IV. application of equipment**

### **4.1 Install device**

4.1.1 Please place the device in the item that needs to be monitored

#### **4.1.2 Installation Notice**

- Keep device away from RF emission sources.
- Device Built-in GSM/LTE antenna and GPS antenna, Please ensure that signal receiving side is facing up(towards the sky) when doing installation, without any metal material covered on the top.It may weaken signal and results in not work properly.

## **V . Power On / Off**

### **5.1 Power on**

Power on: Insert a valid SIM card, then open the plug and use the card pin to gently touch the key for 2 seconds.

### **5.2 LED Indicators**

The red LED blinks quickly when the device is searching for a GSM/LTE network, and intermittently when the device successfully registers for a GSM/LTE network.

The blue LED flickers fast when device is searching for the GPS satellite signal, it flickers intermittently when device has searched the satellites and can be positioned.

the device enters the charging state, the red light is on. When the external battery of the device is full or not in the charging state, the red light is off.



1. **Red LED**(Indicating charging and GSM/LTE working status)

light up	be charging
OFF	The battery is in the full or uncharged state
fast blink	Searching GPRS/CATM network
Slow flicker	The GPRS/CATM network is connected

2. **Blue LED**(indicates GPS signal state)

fast blink	Searching GPS Satellites
Slow flicker	GPS works normally

## 5.3 Power off

Use the card needle to lightly touch the button for 1-2 seconds

## **VI. Trouble shooting**

### **6.1 Cannot connect platform**

device is never online on the position server when installed at the first time. Please check device:

- 1) Check if the battery level is sufficient?
- 2) If SIM card is installed correctly? Please refer to the installation instructions.
- 3) Check the status of LED indicators. If device is OK, Green LED and blue LED will intermittently flick.
- 4) Inquiry parameters of device via dealer support team.

## FCC Statement

1. 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.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's 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.

To comply with RF exposure requirements, a minimum separation distance of 20 cm must be maintained between the user's body and the device, including the antenna.