

# Vehicle GPS Tracker

(4G LTE+GSM+GPS+SMS)



## GT06L User Manual

(Version 3.0)

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## 1 SUMMARY

GT06L is a 4G LTE/GSM/GPS tracker for car, motorcycle, scooters and e-bikes.

It's with superior receiver sensitivity, fast TTFF and 4G/GSM design. And it can continuously report current position to backend server.

GT06L is developed by "openCPU" technology which brought lower cost, lower power consumption and fast response speed advantages. It's reputed with have industrial level performance but on economical solution pricing.

## 2 Specifications

Item	Description	
Dimension	98*53*13mm	
Power range	9-95v DC/1.5A	
Working humidity	5%~95%	
Operating temperature	-30°C~75°C	
Internal backup battery	180mAh/4.2V	
Weight	65g	
Network	4G LTE/GSM/GPRS	
4G LTE/GSM frequency	LTE-FDD B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B20/B28A/B66/B71 LTE-TDD B38/B40/B41 (Different countries use different 4G frequencies)  GSM:850MHz/900MHz/1800MHz/1900 MHz	
GPS sensitivity	-159dBm	
GPS accuracy	5 meters	
GPS Fixed	Cold start	45s
	Warm start	35s
	Hot start	1s
LED indicator	1: Red for Power 2: Yellow for 4G/GSM 3: Blue for GPS	
Input	1: ACC detect 2: SOS detect 3: Voice monitor	
Output	1: Immobilizer(stop engine) by relay	

Position report	Time based and angle based
Alarm alerts	GEO Fence, speed over, power tamper, SOS(Hijack), idle, Vibration alarm
Configuration	SMS + computer(USB configurator) + server
OTA	Support

### 3 Main functions

- 4G LTE/GSM quad-band frequency
- Real time tracking by 4G/SMS/GPRS
- Over-speed alarm
- Move alarm
- Geo-fence alarm
- Built-in backup battery to realize power failure alarm;
- Cut vehicle oil or circuit alarm
- ACC ignition and flame out inform
- Vibration alarm
- Voice monitoring
- SOS alarm
- Open the door alarm
- Smart sleep save power Mode
- AGPS function, receive GPS signals faster
- Built-in storage memory

### 4 Applications

- Motorcycle/Scooters/E-bikes
- Car
- Truck

## 5 Package Contents and optional Accessories



Tracker



main wire

### Optional accessories:



relay



microphone

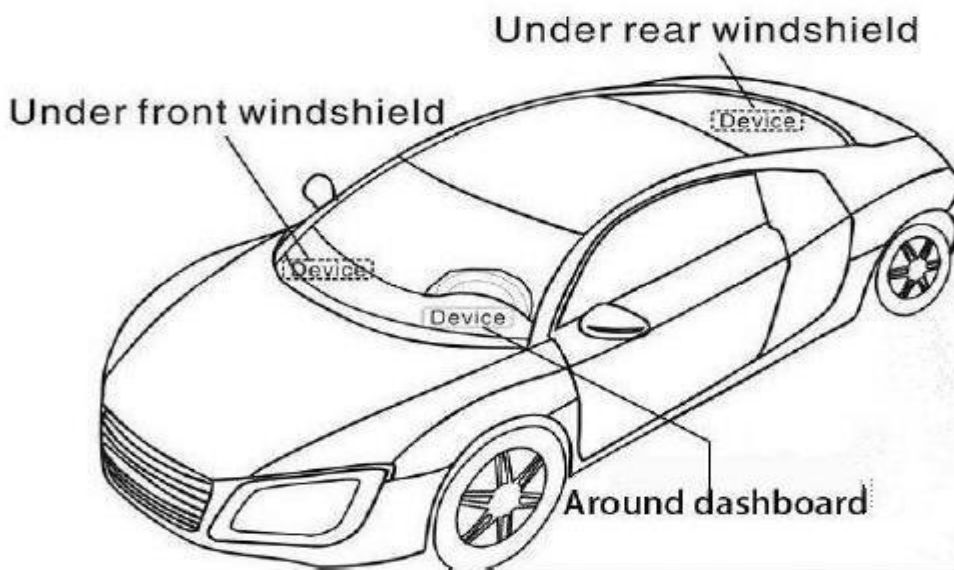


SOS button

## 6 Installation

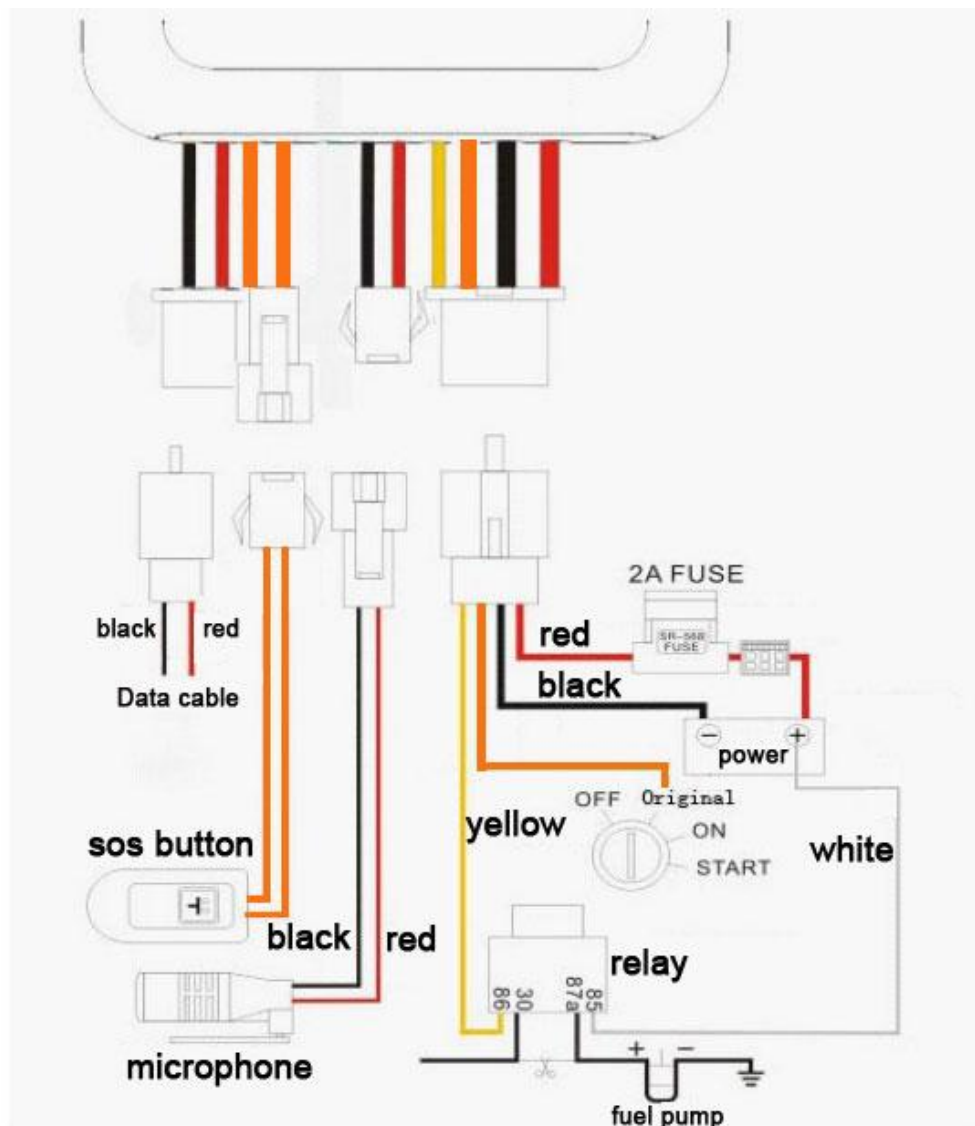
### 6.1 Installation location

Device front side towards the sky. When install in car, if the windscreen glued by metal thermal insulation layer or heating layer, it will reduce the GPS receive signal and lead to GPS work disorder.



**NOTE: device front side towards the sky**

## 6.2 Device wiring diagram



### 6.3 Indicator description

#### 6.3.1 Red - Power indicator

Status	Meaning
Flash every 2 seconds	Working normal
Not bright	Power off

#### 6.3.2 Yellow - 4G/GSM indicator

Status	Meaning
Flash every 2 seconds	GSM initialization
Constantly bright	GPRS online
Not bright	GSM sleep

#### 6.3.3 Blue - GPS indicator

Status	Meaning
Flash every 2 seconds	GPS searching
Constantly bright	GPS fixed
Not bright	GPS sleep

### 6.4 Notices

1. GPS tracking can be worked outdoor. Must have a mobile phone signal and have GPS signal, which can block GPS satellite signal when there has metal and building above the GPS tracker
2. Please make sure GSM SIM card(4G/2G GSM network or compatibility 4G/2G GSM network ) supports making calls, sending messages, GPRS network.
3. Please make sure SIM card is with have money
4. Please make sure the 4G/GSM card has opened the call shows and turned off the call transfer. PIN code
5. Do not assembly and disassembly device at will.



## 6.5 SMS command

### 6.5.1 Setup IP and port

Format: IP + black + IP + blank + port

Reply: set IP OK

Example: **IP 198.11.175.123 9026**

### 6.5.2 Modify SMS password

The factory password is: 123456

Format: password,password,new password

Reply: password ok

Example: **PASSWORD,123456,666888** (new password is 888888)

### 6.5.3 Setup APN

Format: apn,password,APN

Reply: apn ok

Example: **apn,123456,internet** (APN user name is internet)

### 6.5.4 Setup APN user name

Format: apnuser,password,user name

Reply: apnuser ok

Example: **apnuser,123456,uiwap** (APN user name is uiwap)

### 6.5.5 Setup APN password

Format: apnpasswd,password,APN password

Reply: apnpasswd ok

Example: **apnpasswd,123456,654321** (APN user password is 654321)

### 6.5.6 Setup admin phone number

Format: 101#phone number#

Reply: OK

Example: **101#+8612345678910#** (admin number is +8612345678910)

### 6.5.7 Delete admin phone number

Format: **D101#**

Reply: OK

### 6.5.8 Setup sos 1 phone number

Format: 102#phone number#

Reply: OK

Example: **102#+8612345678911#** (admin number is +8612345678911)

### 6.5.9 Delete sos 1 phone number

Format: **D102#**

Reply: OK



#### 6.5.10 Setup sos 2 phone number

Format: 103#phone number#

Reply: OK

Example: **103#+8612345678912#** (admin number is +8612345678912)

#### 6.5.11 Delete sos 2 phone number

Format: **D103#**

Reply: OK

#### 6.5.12 Setup ACC on location update time interval

Format: freq,password,seconds

Reply: OK

Example: **freq,123456,20** (update every 20 seconds)

#### 6.5.13 Setup ACC off location update time interval

Format: static,password,seconds

Reply: OK

Example: **static,123456,60** (update every 60 seconds)

#### 6.5.14 Query google link

Format: **G1234**

Reply: google link

#### 6.5.15 Query device state

Format: **CXZT**

Reply: Device state

#### 6.5.16 Restart device

Format: **CQ**

Reply: system reset OK!

#### 6.5.17 Recover factory setting

Format: **FORMAT**

Reply: OK

#### 6.5.18 Stop Engine

Format: **DY**

Reply: CUT OIL OK

#### 6.5.19 Recover Engine

Format: **KY**

Reply: RESUNE OIL OK

### 6.5.20 Voice Monitor

SOS number can call the device or send SMS to the device for voice monitoring.

Format: **88**

Reply: No reply

### 6.5.21 Setup sleep mode

When device sleeps, it will turn off GPS and stay online.

Format: sleep,123456,interval

Reply: OK

Example: **sleep,123456,10** (mean when asset static for 10 mins, it will goes to sleep, if interval is configured as 0, it means no sleep )

### 6.5.22 Setup timezone

Format: zone123456 e08

Reply: OK

Example: **zone123456 e08** (setup timezone to +8)

**zone123456 w04** (setup timezone to -4)