

J16/GT06L GPS Tracker

User Manual

(Version V3.1)



Thank you very much for using GPS TRACKER, the user manual will guide how to operate this product, please read it carefully before using it in order to get the correct method of operation. If the appearance, color and accessories of this product are modified, please refer to the actual product. The manufacturer is not liable for faults and omissions which in the user manual.

◆ Specifications

Item	Value
Type	4G
Placement	Windshield
Positioning Mode	GPS, LBS, AGPS, Real-Time Positioning
Track View	PC, IOS APP, Android APP, SMS
Battery Life(Hour)	<12H
Warranty	1 year
Model Number	J16
Chip	SIMCOM A7670SA
4G LTE Bands	4G LTE B1/B2/B3/B4/B5/B7/B8/B28/B66
2G GPRS bands	GSM 850/900/1800/1900MHz
Phase error	RMSPE<5, PPE<20
Frequency	L1,1575.42Mhz C/A code
Positioning accuracy	<10 meters
TTFF(Open Sky)	Avg.hot start<2s,Avg.cold start <38s
Working current	50mA
Quiescent current	3mA
Working temperature	-20℃~+70℃
Data storage quantity	500
Net Weight	49g
Gross Weight	150g
Size	80*35*17 mm
Battery	150mAh
Color	Black
Anti-jammer	YES
Bluetooth Relay control	YES, need connect with Bluetooth relay

◆ SIM Card Installation

- 1 Prepare SIM card with GPRS data, SMS and Call enabled for testing purpose.
- 2 Pull the cover and Insert SIM card
- 3 Put device at open place, out of house.
- 4 Switch device ON
- 5 Add device to web platform.

◆ Signal Light

LED Type	LED Status
GSM Light (Yellow)	OFF: GSM module abnormal or Sleep
	ON: Device GPRS Online
	Flashing: Searching Signal
GPS Light (Blue)	OFF: GPS module abnormal or Sleep
	ON: Device GPS Located
	Flashing: Searching GPS signal

◆ SMS Commands

Functions	SMS Command Format	Command Reply
Check Setup	CXZT	J16_MASC_SA_B38_4.41_1 - GT06*ID:869731058250614*www.gpspos.net:6006*A:*G: A*4G:29*PW:1124*BT:4037*AC:0*SP:180*F:30*V:13*SF:0* SD:0*LBS:1*R:15-175-4
Restart	RESET#	RESET OK.
APN setup	APN,cmnet,.,# APN,cmnet,aaa,bbb#	APN:cmnet,aaa,bbb
IP Port Setup	Server,1,www.gpspos.net,6006,0#	Server:1,www.gpspos.net,6006,0
Map Link	URL#	<03-20 22:45>http://maps.google.com/maps?q=+22.601862,+1 13.832383
Status Check	STATUS#	Battery:4.23V;GPRS:Offline;GSMsignal Level:25;ACC:OFF;GPS:OFF;Defense:ON;
Parameter check	PARAM#	MEI:123456781911111;TIMER:10,3600;SNEDS:3;HBT:180S ec;Defense:2;
Fuel control	RELAY,0# (Cut off fuel) RELAY,1# (Resume fuel)	RELAY 1 OK
Add Center No. 1	CENTER,A,123456789#	CENTER,A:123456789
Delete Center No.1	CETER,D#	CENTER Del: OK
Add center No.2	CENTER,A2,123456788#	CENTER,A2:123456788
Delete Center No.2	CENTER,D2#	CENTER D2 Del OK
Add center No.3	CENTER,A3,123456787#	CENTER,A2:123456787
Delete Center No.3	CENTER,D3#	CENTER D2 Del OK
Check Center No.	CENTER#	CENTER,A:123456789 CENTER,A2:123456788 CENTER,A3:123456787
Heartbeat config	HBT,T1,T2# T1=60~300 secs, ACC ON. T2=60~300 secs, ACC OFF	Send: HBT,180,180# Reply: HBT ACC ON:180s,ACC OFF:180s
GPRS interval set	TIMER,T1,T2# T1=5~60 secs, ACC ON. T2=5~1800 secs, ACC OFF	Send: TIMER,30,300# Reply: TIMER ACC ON:30s,ACC OFF:300s

Shock alarm ON	SENALM,ON,M# M=0, GPRS alarm M=1, SMS+GPRS alarm M=2, GPRS+SMS+Call alarm	Send: SENALM,ON,2# Reply: SENALM:ON,2
Shock alarm OFF	SENALM,OFF#	SENALM:OFF
Check shock alarm	SENALM#	SENALM:OFF
Tamper alarm ON	POWERALM,ON,M,T1,T2# M=0, GPRS alarm M=1, SMS+GPRS alarm M=2, GPRS+SMS+Call alarm T1=2~60 second T2=1~3600 second	Send: POWERALM,ON,2,10,10,# Reply: POWERALM:ON,2,10,10 T1: tamper lasting time T2: minimum charging time
Tamper alarm OFF	POWERALM,OFF#	POWERALM:OFF
Lowerbat alarm ON	BATALM,ON,M# M=0, GPRS alarm M=1, SMS+GPRS alarm	Send:BATALRM,ON,1# Reply:BATALM:ON,1
Lowbat alarm OFF	BATALM,OFF#	BATALM:OFF
Move alarm ON	MOVING,ON,R,M# R=100~1000 meters M=0, GPRS alarm M=1, SMS+GPRS alarm M=2, GPRS+SMS+Call alarm	Send: MOVING,ON,1000,2# Reply:MOVING:ON,1000,2
Move alarm OFF	MOVING,OFF#	MOVING:OFF
Speed alarm ON	SPEED,ON,B,C,M# B=5~600 secs C=1~255 km/h M=0, GPRS alarm M=1, SMS+GPRS alarm	Send:SPEED,ON,10,120,1# Reply:SPEED:ON,10,120,1
Speed alarm OFF	SPEED,OFF#	SPEED:OFF
ACC ON alarm	ACCALM,ON,M# M=0, GPRS alarm M=1, SMS+GPRS alarm M=2, GPRS+Call alarm M=3,GPRS+GSM+Call alarm	Send:ACCALM,ON,3# Reply:ACCALM:3,OK
ACC ON alarm OFF	ACCALM,OFF#	ACCALM,OFF OK
ACC OFF alarm	ACCOFFALM,ON,M# M=0, GPRS alarm M=1, SMS+GPRS alarm M=2, GPRS+Call alarm M=3,GPRS+GSM+Call alarm	Send:ACCOFFALM,ON,3# Reply:ACCOFFALM:3,OK
ACC OFF alm OFF	ACCOFFALM,OFF#	ACCOFFALM,OFF OK
Sleep mode	SZCS#SLPDISCONNECT=A	A=0, sleep and online A=1, sleep and offline, SMS online A=2, sleep and offline, SMS offline Send:SZCS#SLPDISCONNECT=0 Reply:SETOK: SLPDISCONNECT=0

◆ Anti-Jammer SMS Commands (Device with USB port)

Function	Command	Reply	Remarks
Query Anti-jammer status	JAMMER#	ACK:JAMMER:ON,1	
Turn Off anti-jammer	JAMMER,OFF#	ACK:JAMMER:OFF OK	
Turn ON anti-jammer	JAMMER,A,M# JAMMER,ON,1#	ACK:JAMMER,ON,1 OK	A= ON/OFF M=0-2 0 GPRS 1 GPRS+SMS 2 GPRS+SMS+Call
Query anti-jammer config	JAMCFG#	ACK:JAMCFG:30,17,5	
Set anti-jammer config	JAMCFG,A,B,C# JAMCFG,30,17,5#	A: default 30 secs B default signal value 17 C default frequency point 5	
Query relay config	JAMRELAY#	ACK:JAMRELAY:1,180,80,5,5,20,0	
Set relay config	JAMMER,A,B,C,D,E,F,G# JAMRELAY,1,180,80,5,5,20,0#	A: relay output mode 0 no usage of relay 1 jammer detected, relay keeps ON 2 jammer detected, relay works and restore B signal jam endurance default 180seconds C Relay working speed. Default is 80KM/H. 0 means does not detect speed. D relay ON for 5 secs E relay OFF for 5 secs F relay keeps ON/OFF for 20 circles G Yellow wire definition 0 Relay 1 siren	

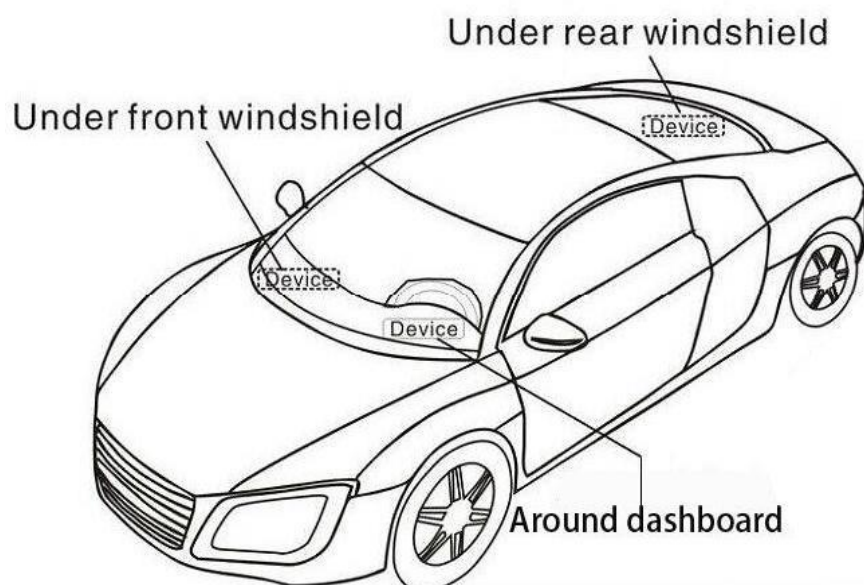
◆ Bluetooth Relay SMS Commands (OPTIONAL)

Function	Command	Example	Remarks
Setup BLE Relay	BTRLY,CFG,A,B,C,D#	BTRLY,CFG,10,1,5,5,20 #	A: BLE disconnected for 10 mins, relay works. B: Relay working mode: 1 Continuous cut off, 2 Intermittent cut off C: If B is 2, cut off time D: if B is 2, resume time E: If B is 2, intermittent cut off times
Query BLE config	BTRLY,PARAM#	CFG:10,1,5,5,20 BT1-32:32:02:00:79:5A BT2-32:32:02:00:7B:C8 BT3-32:32:02:00:7A:55	CFG meaning is same as above. BT1,BT2,BT3 is number of connected Bluetooth relays

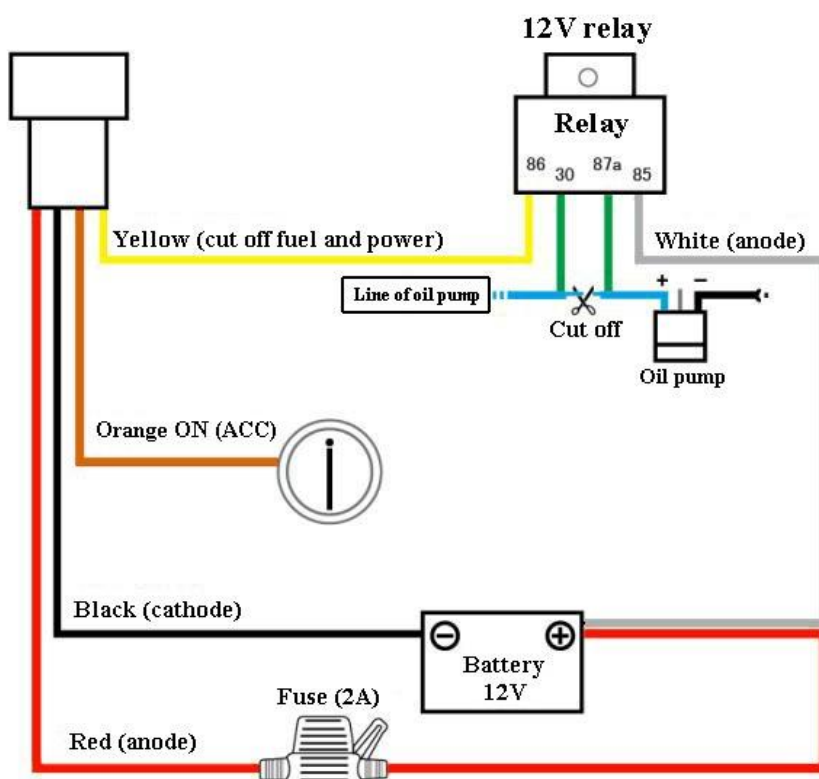
Pair BLE relay	BTRLY,BTMAC,MAC1# BTRLY,BTMAC,MAC1,MAC2#	E.G.: BTRLY,BTMAC,32:32:02:00:79:5A# MAC is composed of AA:BB:CC:DD:EE:FF
BLE relay control (max 3 BLE relays)	BTRLY,RELAY,ON# BTRLY,RELAY,OFF#	1st BLE Relay (default)
	BTRLY,RELAY,ON,2# BTRLY,RELAY,OFF,2#	2 nd BLE relay
	BTRLY,RELAY,ON,3# BTRLY,RELAY,OFF,3#	3 rd BLE relay
Query BLE relay	BTRLY,STATUS#	MCUVER:0.06 BTFlow:12,Route:3 BTRoute1-Connect:OK,Relay:ON BTRoute2-Connect:OK,Relay:ON BTRoute3-Connect:OK,Relay:ON
Relay Control	BTRLY,MODE,1#	Control 1 BLE relay (Default)
	BTRLY,MODE,2#	Control external wired relay
	BTRLY,MODE#	Check relay control setup

◆ Installation Attentions

Metal shall shield or weaken GPS signal. Avoid metal area while doing installation.



◆ Wiring Diagram



◆ Web Platform GPS Tracking Software

website: www.gpspos.net

APP: GPSPOS

Search and Download from Google Play and Appstore

◆ Guarantee Card

Name		Phone	
Purchase Date		IMEI	