

4G GPS Vehicle Tracker

User Manual

V1.1



Thanks for your purchase of UniGuard GPS Tracker. Please read the manual carefully. Any questions, free to contact us.

◆ 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	-20C°~+70C°
Data storage quantity	500
Net Weight	49g
Gross Weight	150g
Size	80*35*17 mm
Battery	150mAh
Color	Black

◆ 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

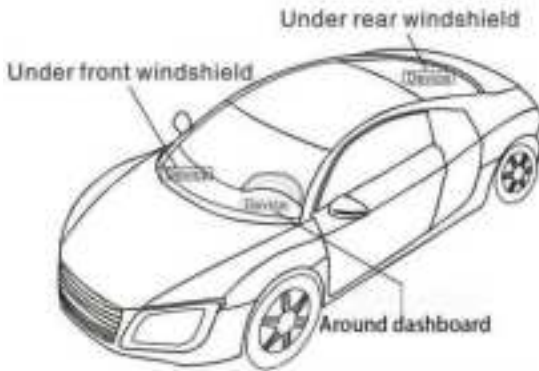
IP Port Setup	Server,1,www.gpspos.net,6006,0#	Server:1,www.gpspos.net,6006,0
Map Link	URL#	<03-20 22:45>http://maps.google.com/maps?q =+22.601862,+113.832383
Status Check	STATUS#	attery:4.23V;GPRS:Offline;GSMSignal Level:25;ACC:OFF;GPS:OFF;Defense:ON;
Parameter check	PARAM#	MEI:123456781911111;TIMER:10,3600;S NEDS:3;HBT:180Sec;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
Set defense time	DEFENSE,A# A:1~60, unt is minute	Send: DEFENSE,3# Reply: DEFENSE:3
Shock alarm ON	SENALM,ON,M# M=0, GPRS alarm M=1, SMS+GPRS alarm	Send: SENALM,ON,2# Reply: SENALM:ON,2

	M=2, GPRS+SMS+Call alarm	
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

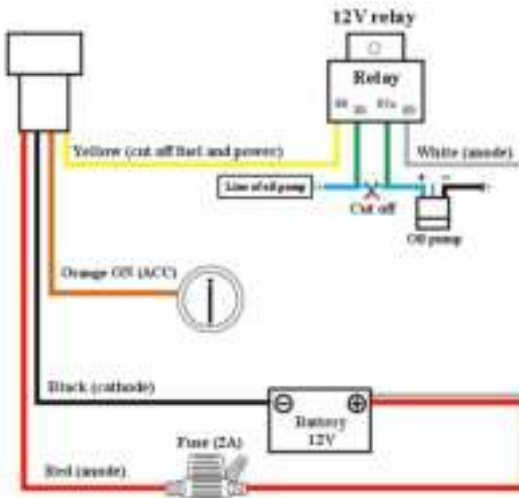
ACC ON alarm OFF	ACCALM,OFF#	ACCALM,OFF OK
ACC OFF alarm	ACCOFFALM,ON,M# M=0, GPRS alarm M=1, SMS+GPRS alarm M=2, GPRS+Call alarm M=3,GPRS+GSM+Call alarm	Send:ACCOFFALM,ON,3# Reply:ACCOFFALM:3,OK
ACC OFF alm OFF	ACCOFFALM,OFF#	ACCOFFALM,OFF OK
Sleep mode	SZCS#SLPDISCONNECT=A	A=0, sleep and online A=1, sleep and offline, SMS online A=2, sleep and offline, SMS offline Send:SZCS#SLPDISCONNECT=0 Reply:SETOK: SLPDISCONNECT=0
Below are commands for device with SOS button and Microphone		
Add SOS No.	SOS,A,SOS1,SOS2,SOS3#	SOS,A,123# SOS,A,123,456# SOS,A,123,456,789#
Delete SOS No.	SOS,D,SOS1,SOS2,SOS3#	SOS,D,123# SOS,D,123,456# SOS,D,123,456,789#
Check SOS No.	SOS#	SOS:123,456,789
Auto Answer ON	777#	Automatic incoming call answering has been set
Auto Answer OFF	888#	Automatic incoming call answering has been close
Set Call-in function	SZCS#CALL_FUN=A A=0, Auto answer incoming call A=1, No answer, reply Map link.	SETOK:CALL_FUN=1
Check call-in	CXCS#CALL_FUN	READOK:CALL_FUN=1

◆ 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	