

1.Start Guide

1.1 Packaging

- GPS tracker
- Power cable
- Audio cable
- SOS cable
- MIC
- Relay
- User manual

1.2 Main Functions

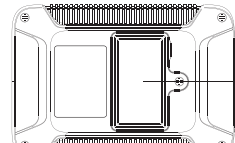
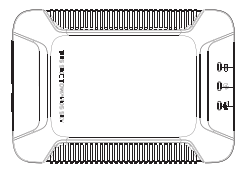
- Real-time GPS+AGPS tracking
- Track by time interval or distance
- Remotely fuel/power cut-off
- Listen-in
- TTL
- Instant alerts for vibration, overspeed, etc.
- External power supply cut-off alarm
- Two-way talk
- Door status detection
- Multiple analog & digital I/Os
- Battery charging protection

1.3 Specifications

Frequency	GSM 850/900/1800/1900MHz
GPRS	Class 12, TCP/IP
Operating Voltage	9-36VDC / <300mA
Location Time	Hot Start: < 35s
Storage	32Mb+32Mb
Battery	450mAh
Location Accuracy	<10 meters
Operating Temperature	-20°C ~ +70°C
Dimension	80.9 (L) ×55.8 (W) ×23.4 (H) mm
Weight	95g

2.My Device

2.1 Appearance



- Power indicator
- GPS indicator
- GSM indicator
- Card slot

2.2 LED indicators

GPS LED Indicator - Blue		
	0.1s ON & 0.1s OFF	Searching GPS signal
	Steady on	GPS is fixed
	OFF	Sleep or not work

GSM LED Indicator - Green		
	0.1s ON & 0.1s OFF	GSM initializing
	0.1s ON & 2s OFF	Receive GSM signal normally
	Steady on	Connected to GPRS network
	OFF	No GSM signal

Power Status - Red		
	0.1s ON & 0.1s OFF	Low battery
	2s ON & 2s OFF	Full charged
	0.1s ON & 2s OFF	Normal operating
	Steady on	Device is charging
	OFF	Low battery/Power off

Flash in a loop Device is in defense status

3. Wire Connection

3.1 Wire Definition

Line	Color	Description	Definition
1		MIC + SPK	3.5mm
2		GND	Ground
3		5VDC_OUT	Controllable
4		TX	Transmit data
5		RX	Receive data
6	Green	IN1	Configurable positive input/negative input
7	White & yellow	OUT 1-	Negative output
8	White & red	OUT2+	Controllable positive output (power voltage), ≥500mA current
9	Yellow	Relay	Fuel/Power cutoff
10	Black	SOS-	SOS (Negative)
11	White	SOS+	SOS (Positive)
12	Purple	ADC	Detect 0.3-30V voltage
13	Orange	ACC	ACC
14	Black	GND	Ground
15	Red	PW+	Power: 9-32V

3.2 Wiring diagram

Optional

Wiring Instruction

Relay wiring instruction

Notice

3.3 Device Installation

4. Operation of device

Power on/ Power off

Notice:

5. Main Functions

5.1 SOS

5.2 Power cut-off alarm

5.3 Low battery alarm

5.4 Vibration alarm (default OFF)

5.5 Voice monitoring

Notice:

5.6 Two-way communication

5.7 Displacement alarm(default OFF)

5.8 Oil/Electricity cut-off

Notice:

5.9 Restore oil/electricity

5.10 Restart device

5.11 Door detection

Notice

5.12 Analog signal

5.13 Lithium battery charging protection

5.14 Controllable output

6.Platform Operation

6.1 APN & Server setting

6.2 Login service platform

6.3 Download APP

7.Common Command List

1	Device status	STATUS#
2	Device coordinate	WHERE#
3	Location URL	URL#
4	Check version	VERSION#
5	Network setting	GPRSET#
6	Check parameter	PARAM#
7	APN setting	1. APN,apnname# E.g,APN,internet# 2. APN,apnname,user,pwd# E.g: APN,internet,CLIENTE,AMENA#
8	Server setting	SERVER,mode,domain/IP,port,0# E.g, SERVER,1,www.ydpat.com,8011,0# SERVER,0,211.154.135.113,8011,0# mode1 means set with domain name mode 0 means set with ip address
9	SOS setting	1. Add SOS number: SOS,A,number:1,number 2,number 3# E.g,SOS,D,1,2,3# 2.Delete subjected sequence of SOS number: SOS,D,number sequence 1,number sequence 2,number sequence 3# E.g,SOS,D,1,2,3# 3. Delete the SOS number: SOS,D,phone number# 4. Query SOS number: SOS#
10	GPS data upload time interval	T1,T2,T3# T1:T1=5~18000 seconds:ACC ON upload interval; default value:10 T2:T2=5~18000 seconds:ACC OFF upload interval; default value:10(when GPS is not sleep)

11	GPS data upload distance interval	DISTANCE,D# D=0, 50~10000 meter; Distance interval; default value:300; unit: meter;
12	Delayed defense setting	DEFENSE,A# A:1~60 minutes, set delayed defense, default value:10 minutes
13	Vibration alarm (default OFF)	1. SENALM,ON# 2. SENALM,OFF#
14	Displacement alarm setting (default OFF)	1. MOVING,ON,R,M# R=100~1000; Displacement radius, unit: meter M=0~2; Alert way 0:GPRS, 1:SMS+GPRS; 2:GPRS+SMS+CALL E.g, MOVING,ON,200,2# 2. MOVING,OFF#
15	Set center number	Set center number: CENTER,A,mobile number# Delete center number: CENTER,D#
16	Power/oil control	RELAY,A# A=0/1 Or restore petrol; 1=cut off petrol Default value: 0 E.g, RELAY,1#
17	Restart	RESET# Device restart 20 seconds after receiving this command
18	Car door negative/positive triggering setting	DOOR,A# A=0/1; 0 negative triggering, 1 positive triggering; default: 0
19	Analog upload setting	Upload analog data: ADT,ON,T# T: upload interval, scope: 5-3600(second) Turn off analog upload: ADT,OFF#;
20	Find car by triggering light and buzzer	FIND#

8.Trouble shooting

Problems

Causes

Solutions

Warranty instructions and service

Problems

Causes

Solutions

FCC Radiation Exposure Statement:


Information to Users

FCC Warning

VEHICLE GPS TRACKER

User Manual

(Version 1.5)



This user manual has been specially designed to guide you through the functions and features of your GPS vehicle tracker.