OBD GPS Tracker

(GPS+GSM+SMS/GPRS)

User Manual

(OTRACK-2)

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

Content

1. Products Components and Port Definition

1.1 Product Introduction

| Name	GPS Vehicle Tracker
Type	OTrack-2
Size	L45*W39**H22mm

Otrack-2 is a mini, practical and easy-to-use vehicle GPS tracker specially designed for vehicle tracking with fine workmanship. It combines GPS+LBS communication technology. With AGPS technology, this device can easily achieve extreme fast positioning.
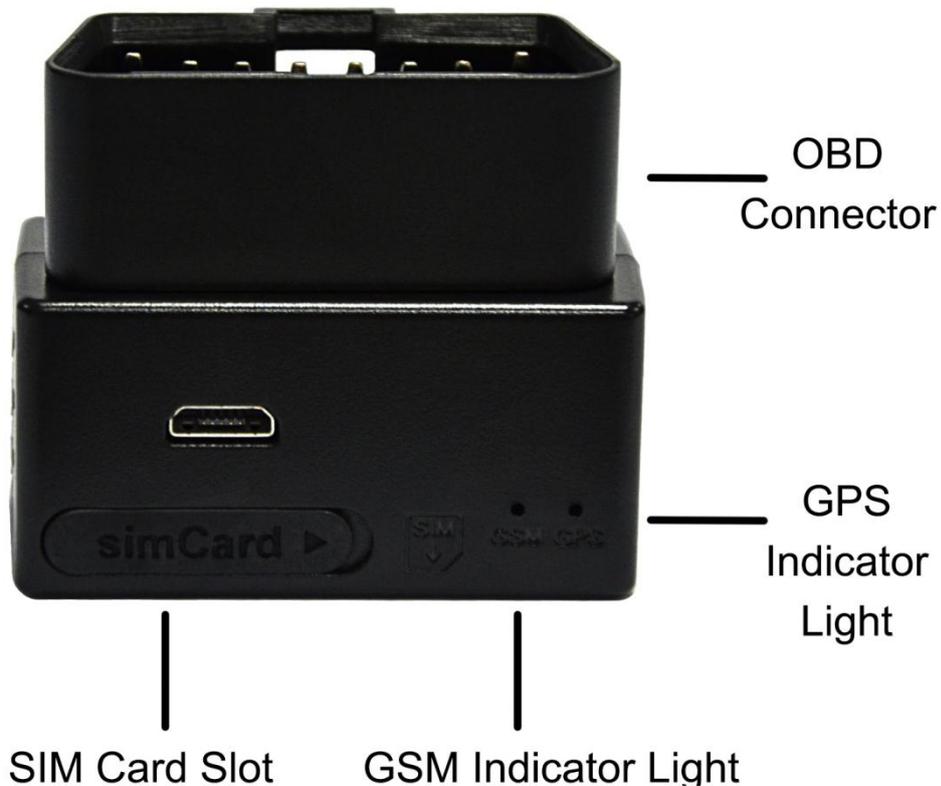
1.2 Product Configuration List

No	Name	Quantity	Unit
1	Otrack-2 host	1	Pcs
2	User manual; Warranty card; Certificate of approval	1	Pcs
3	Power cable	1	pcs

1.3 Indicating Led Light
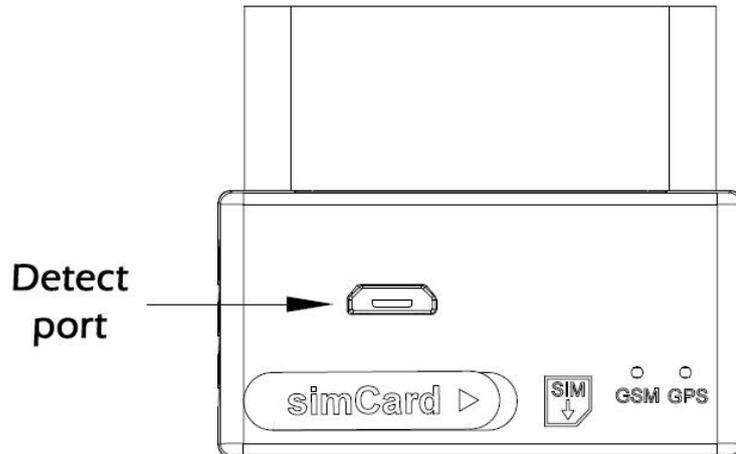
GSM （Red）	Flash fast：GSM in the Initializing Flash slowly：GSM signals is normal Light long：GPRS online Not light：Not yet received the GSM signal/not insert SIM card/GSM dormancy	
GPS （Yellow）	Flash fast：Searching for GPS signals Long bright：GPS has been positioning Not light：GPS dormancy/not working	

2. Specifications

No	Item	Specifications	Remark
1	Working Voltage	DC 9V - 36 V	
2	Working Current	25mA@12V (static current10mA)	Not charging
3	Communication network	GPRS	
4	Size	L45mm*W39mm*H22mm	
5	Location Accuracy	<10 meter	
6	Communication	GPS	
7	Working Temperature	-25℃+75℃	
8	Storage Temperature	-40℃+85℃	
9	Communication Network	GPRS GSM: 850/900/1800/1900 MHz	
10	Net Weight	32g	
11	Communication ways	TCP	
12	Battery	0.5 hours	50mA/h

3. Functions

Functions	Function details	Description
Tracking	Real time tracking	According to the set interval time, the default motion mode is reported to a position data in 30s, and the static mode 300s reports a position data.
Alarm	Power down alarm	When device checking the voltage is lower than 5V it will have power down alarm
	Over speed alarm	When speed is over than the set speed, device will send message to user.
Other functions	Blind area uploading data	Storage for almost 600pcs and it will upload the data when the signal is regular
	AGPS function	The terminal increases the AGPS support location function and enhances the positioning effect
	Inflexion upload	When the angle that vehicle turned is more than a normal scale it will send a message to optimize the playback
	Remote upgrading	With a software remote upgrading
Low power consumption	Static mode	The 3D triaxial acceleration sensor can detect the vibration state of the vehicle in real time, and the upper power is the motion mode. When the host is stationary for 5 minutes, it is still mode, and the GPS module is turned off, and the vibration is entered into the motion mode.

4. Method of Installation

Device wiring diagram:

Pin	Connected to
4	GND
5	GND
16	Power
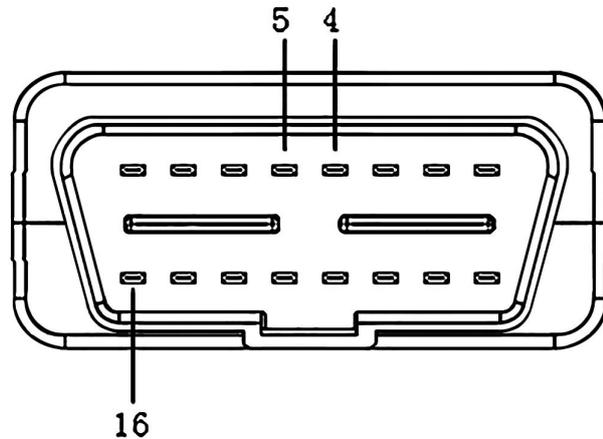
5. Setup and Operation

5.1 Unit Setup

(1) Check unit

Please check whether the equipment is in good appearance & whether accessories are completed.

(2) Set In SIM Card

Please press out the SIM card slot and put SIM card in. Please not put SIM card in or out when the equipment is connecting power. And please make sure the SIM card have data service.

(3) Setup Position

A. Waterproof: Please set the equipment in dry surroundings; keep it away from air-conditioner vents to prevent condensation water inside of the main unit.

B. Anti-Vibrate： tracker cannot installed in where is long term vibrated

C. Anti-interference: tracker should stay away from car audio or intercom devices, to prevent conducted and radiated interference.

5.2 SMS Command for Online Tracking Setup

Exactly format:

<SPBSJ*P:BSJGPS*T:120.025.232.237,7788*A:CMNET*N:13288888888*C:0030*O:300>

Note: Red fonts, according to actual changes.

SPBSJ	Header
*P:BSJGPS	Password (default password is: BSJGPS)
*T:120.025.232.237,7788	TCP IP and Port
*A:CMNET	CMNET is APN
*N:13288888888	Device's serial number
*C:0030	ACC on time interval (seconds)
*O:300	ACC off time interval (seconds)

6. FAQ

Question	Reason	Solution
Online tracking offline	SIM Card not enough credit	Charge credit
	SIM Card contact problem	Reinstall SIM card
	Online tracking parameter setting error	Reset Parameters with correct format according to user manual
	Vehicle in underground car parks or tunnels, signal weak.	Go to good signal area
Cannot locate	Vehicle in underground car parks or tunnels	Leave that area
	GPS Antenna Side is not up to sky	Make the GPS antenna side up to sky

7. Attention

1. Stay away from water

2. Please keep the car battery fully charged

3. Device working current is 9-36V, recommended 12V and 24V. Tracker will damage if the current is over this range.

4. Working temperature is -25to 75centigrade, Please cut off power if the temperature is over this range.

5. When vehicle is in underground parks, tunnels or garage, maybe GPS signal will not very good. Communication network blind area will be caused and cannot monitor vehicle. When the car is out of that area, it will working good automatically.

6. Please not repair by yourself when the device not working properly.

8. After-sale service

1. During the one-year warranty, please feel free to contact us if there is any problem or damage not caused by human factors.

2. Not maintenance:

    (1) Client dismantled privately

    (2) Force majeure (floods, accidents, etc.)

3. More than one year damage or faulty maintenance will need to pay for raw material.

4. Free to provide customers with the purchase, use, installation and other consultation and technical services.