



WhatsGPS

2G Vehicle GPS Tracker

Model:S102



User Manual

Chapter 1 Product Composition and Interface Definition

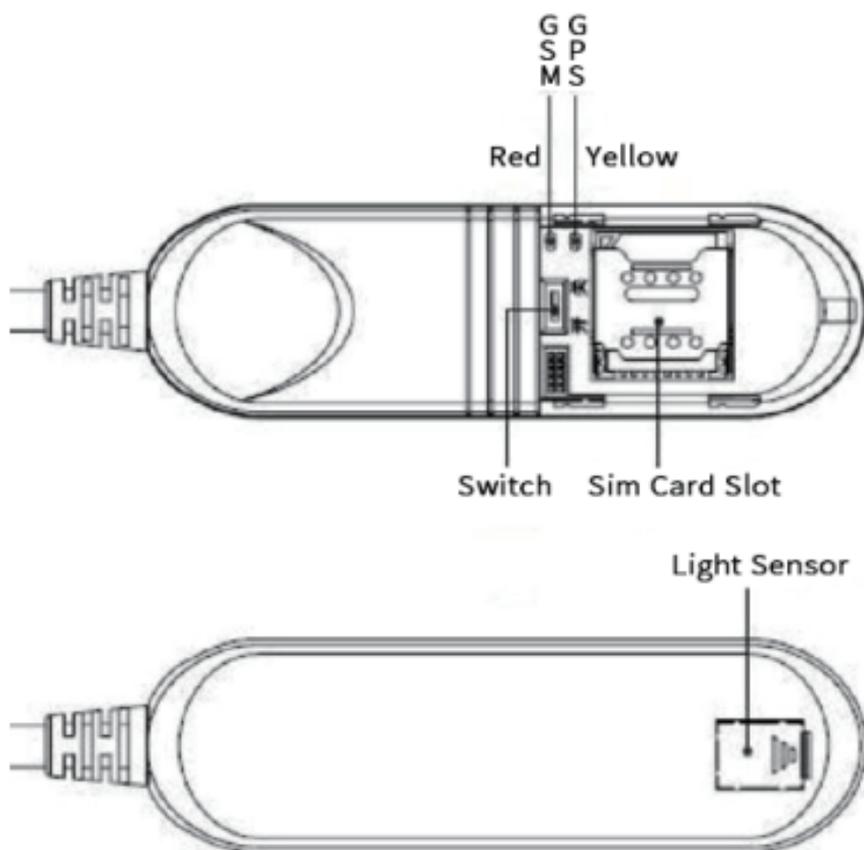
1. Product Overview

Product Name: GPS vehicle tracker

Product Model: S102

Product Size: L78.5mm*W23mm*H12mm

2. The Schematic Of Product



3. The Product Configuration List

Name	Quantity	Unit	Remark
Km-02 Host	1	Unit	
User Manual; Warranty Card; Certificate Of Approval	1	Unit	3-In-1
Package Box	1	Unit	
Power Cable	1	Unit	

Note: The Above Is a List Of Standard Configurations For The Entire Set Of Products,And Accessories Outside The Above Range Are Subject To Additional Fees.

4. Interface Definition Of Product



Colour	Interface definition
Yellow	Oil -
Orange	ACC
Black	Power GND
Red	Power +

5. Definition Of Product Indicator

Indicator	GSM (Red)	Fast Flash: GSM In The Initialization
		Slow Flash: GSM Signals Is Normal
		Long Bright: GPRS On Line
		Not Light: Not Yet Received The GSM Signal/Not Insert Sim Card/GSM Dormancy
	GPS(Yellow)	Fast Flash: GPS Signal In, The Search
		Long Bright: GPS Has Been Positioning
Not Light: GPS Dormancy/ Not Working		

Chapter II Parameters Of Device And Function Instructions

1. Parameter List Of The Device

Item	Specifications	Remark
Working Voltage	DC9V-36V	
Working Current	25ma @12V(Static Current10mA)	Not Charge
Size	L78.5mm *W23mm*H12mm	
Located Way	GPS+LBS	
Location Accuracy	<10 Meters	Test Data

Communication Network	GPRS	
Gsm Frequency	850/900/1800/1900MHz	
Communication Way	TCP	
Working Temperature	-25℃ ~ +75℃	
Storage Temperature	-40℃ ~ +85℃	
Standby Battery	0.5 Hours	
Warranty	1 Year	

2. Function List Of The Device

Functions	Function Details	Description
Location Data Report	Real-Time Tracking	Upload The Longitude And Latitude Information According To The Time Interval Setted
Vehicle Status Detection	Car Acc On/Off Status.	Uploaded Data Include The Acc On/Off Status Each Time
	Power Down Alarm	Turn On Backup Battery, When The Vehicle Voltage Is Lower Than 5v, The Device Upload a Alarm To The Server
	Low Power Alarm	When The Voltage Is 5v-10v, The Device Will Upload a Alarm To The Server
	Over Speed Alarm	Set The Maximum Speed Limit Value On The Platform, When The Gps Speed Is More The Setted Value, The Device Will Upload a Alarm To The Server
	Oil Checking	Cut Off/Supply Fuel Remotely Through Server And Message

	Illegal Dismantling Alarm	The Power Down Alarm And Light Sensor Alarm Triggered Of The Device In 2 Minutes, Then The Illegal Dismantling Alarm Will Be Reported To The Server
Other Functions	Blind Area Uploading Data	The Data Is Stored Up To 300pcs If The Terminal Is Located And Not Online, Upload When The Signal Is Good
	Epo Located For Assistance	The Terminal Supports The Epo Assisted Positioning Function To Enhance The Positioning Effect.
	Inflexion Upload	When The Angle That Vehicle Turned Is More Than a Normal Scale It Will Send a Location Data Soon To Optimize The Playback
	Upgrade Remotely	Need Assistance Of Factory
Low Power Consumption	Static Mode	The 3D Triaxial Accelerometer Senses The Vibration State Of The Vehicle In Real Time, When The Car Is Moving, The Device Is In Motion Mode; The Device Will Change To Static Mode After 5 Minutes Without Vibration, Close The Gps Module, When Vibration Is Detected, The Device Automatically Changes To Motion Mode.

3. Installation Process Of Product

- Device installation

- 1) Check Device

Check whether the appearance of the device is good and whether the related accessories are complete

2) Install the SIM card

Open the bottom cover of the device and insert the SIM card into the card holder. Do not use excessive force to damage the card holder. Do not insert or remove the SIM card while the device is power on. Make sure the SIM card has Internet access.

3) Select installation location

A. Waterproof: Should choose a position that does not easily enter the water to ensure the drying of the terminal; Pay attention to keep away from the outlet of the air conditioner to prevent condensation water from accumulating inside the terminal and seriously affecting the service life of the product when the temperature difference changes.

B. Shockproof: The terminal cannot be suspended and installed in a long-term vibration0.

C. Anti-interference: The terminal should be far away from the electronic equipment such as audio and intercom in the car to prevent conduction interference and radiation interference.

4) Connect GPS Antenna

A. Please notice that the GPS Antenna signal receiving side should up to sky and no metal block. Bottom keep flat, tilt should not be more than45°

B.Wires should be concealed;

C.Please make sure the GPS antenna is connected to the right connector and fixed tightening to avoid vibrated.

● [SMS Command for Online Tracking Setup](#)

Exactly format:

Set IP Online:

```
<SPBSJ*P:BSJGPS*T:120.025.232.237,7788*A:CMN  
ET*N:IMEI number*C:0030>
```

Set The Domain Name Online:

```
<SPBSJ*P:BSJGPS*Q:s3.gps18.com:7700*A:CMNE  
T*N:IMEI number>
```

SPBSJ: Header

P: Password (Default Password: BSJGPS)

T: TCP IP and Port

Q: Domain Name And Port

A: APN

N: Device Number

C: Time Interval (Seconds)

Chapter III Analysis of Common Problems and After-sales Service

1. Analysis Of Common Problems

Problem	Reason	Solution
Center Monitor Cannot	Sim Card No Money	Recharge Money
	Sim Card Connect Good Or Not	Please Install Sim Card Again
	Online Parameter Setting Error	Reset Parameters With Correct Format According To User Manual
	Vehicles Are In Underground Parking Lots, Tunnels, Weak Signals	Leave Off The District With Weak Signal
Wrong Light Alarm	Installation Location Is In Light Area	Install The Device In Area Without Light
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

2. 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 d1evice not working properly.III.After-sale service

3. After-sale service

1) This product enjoys one year of warranty service g the warranty period, due to non-human factors or equipment damage caused by product quality, please contact the agent in time or call the Shenzhen Boshijie Technology Co., Ltd. after-sales service department to deal with it.

2) The damage caused by the customer's private revocation or force majeure (such as floods, vehicle accidents) will not be repaired.

3) After the warranty period expires, due to product damage or malfunction caused by the use , the

maintenance material cost fee will be charged.

4) Free to provide customers with product purchase, use, installation and other consulting and technical services.

Warranty card

Maintenance record	
Maintenance shop	
Sending date	
Fault description	
Maintenance situation	
IMEI number	
Maintenance person	

Maintenance record	
Maintenance shop	
Sending date	
Fault description	
Maintenance situation	
IMEI number	
Maintenance person	