
GPS Vehicle Tracker

(GPS+GSM+SMS/GPRS)

User Manual

(S15)



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

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1. Products Components and Port Definition

1.1 Product Introduction

Name	Long Standby GPS Tracker
Type	S15
Size	L86*W62*H30mm

Vehicle GPS Tracker with 10000MA lithium battery and long standby life time re-chargeable battery real-time tracking for 1months with magnet outside free installation

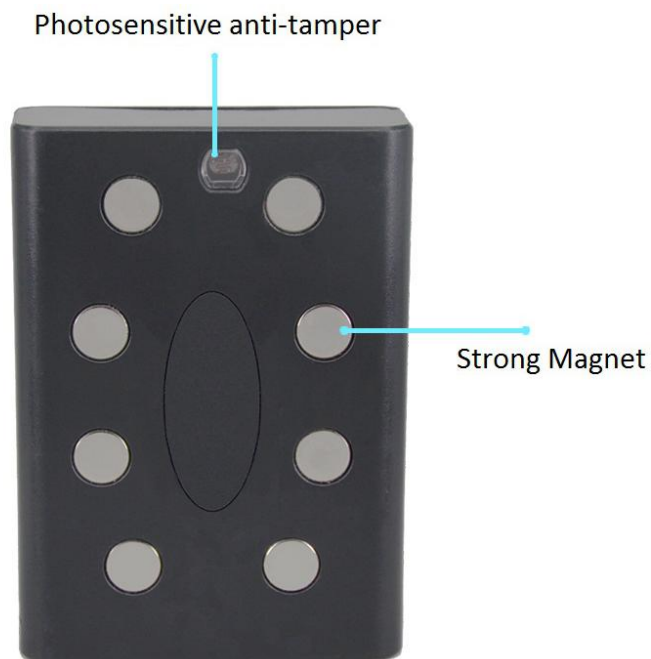


1.2 Product Configuration List

Packing List

No	Name	quantity	Unit	Remark
1	S15 host	1	Pc	
2	Charge cable	1	Pc	
3	User manual、 warranty card、 certification	1	Pc	
4	Package box	1	Pc	

1.3 Products interface definitions



1.4 Indicating Led Light

GSM Indicator (Red)	
Flash	GSM in the initialization
Slow flash	GSM signal is normal
Long bright	GPRS on line
Not light	Not yet received the GSM signal/not insert SIM card/GSM dormancy

GPS Indicator (Yellow)	
Flash	GPS signal in the search
Long bright	GPS has been positioning
Not light	GPS dormancy/not working

Charge Lamp	
Red	Charging
Green	Charged

2. Specifications and functions

2.1 Specifications

No	Item	Specifications
1	Working voltage	DC 5V
2	Working current	Motion Model: 46Ma@4v The static current: 7.5mA@4V power saving mode: 70uA@4V
3	Standby current	<3.5uA
4	Size	L86*W62*H30MM
5	Location Way	GPS
6	Location Accuracy	<10 meter
7	Communication	GPRS GSM: 850/900/1800/1900 MHz
8	Communication way	TCP
9	Working temperature	-25°C ~ +75°C
10	Storage temperature	-40°C ~ +85°C
11	Weight	255g
12	Battery capacity	10000mAh

2.2 Functions

Function	Function Details	Function Illustration
tracking and positioning	Time track	According to the set time interval, and compared with a positioning packets on mobile distance is greater than 50 meters back under the condition of latitude and longitude location information, etc
Vehicle state detection	Light alarm	Terminal of light by the light to see the light, the light alarm terminal reported. Save electricity after dormancy timing mode light wake terminal transmission light alert at the meeting.
	Speed alarm	Platform setting maximum speed limit, when the GPS speed is greater than the set value, then report to over speed alarm to remind.
Other Function	Blind spots to fill the function	Terminal positioning and online, data storage, up to 600. Signal normal online upload.
	EPO auxiliary positioning function	Terminal support EPO auxiliary positioning functions strengthen the positioning effect.
	Turning point	When a device change direction angle is greater than a certain angle, immediately upload a location data, the optimal trajectory.
	remote upgrade	To upgrade the housekeeper remote upgrade.
Low power consumption	Wake up regularly	Terminal set wake up open and back time interval timer, terminal timing starts after entering hibernation, according to the set back time to wake up.

2.3 Setup and Operation

2.3.1 Device installation

(1) inspection device

Check whether the equipment appearance is good, fittings is complete.

(2) Install SIM card

Open the device SIM card into the card slot. Please avoid overexertion is damaged, please make sure that a SIM card with Internet access, only at the same time satisfy the electricity and insert SIM card terminal can work normally.

(3) The terminal installation position requirements

A. Waterproof: choose place which is not easy to fill the position, kept terminal dry, pay attention to be far away from the air-conditioning outlet in case of the changes of temperature. Have condensed water accumulated inside the terminal seriously affect the service life of the product.

B. Shock: terminal can't hang up installed in strong vibration position for a long time.

C. Tamper-proof: terminal should be away from the car video intercom and electronic equipment, such as to prevent conduction and radiation.

2.3.2 SMS remote online Settings

The following message set online format

Text content:<SPBSJ*P:BSJGPS*T:120.025.232.237,7788*A:CMNET*N:13288888888*C:30*3P : XTTTT>

SPBSJ	Message header
*P: BSJGPS	password
*T: 120.024.176.195,6695	TCPIP/port
*A: CMNET	APN
*N: 13288888888	This number (max: 16)
*C:30	Back time interval, Unit second (3s to 10800s)
*3P: XTTTT	Mode setting instruction: X: 0 Continuous time model 1: Dormancy timing mode TTTT: timing time, Unit minute, only effective when X = 1 The minimum setting for 10 mins, the biggest is set to 720 mins.

Change work mode by SMS

Real-time tracking mode	<SPBSJ*P:BSJGPS*3P:0>
Deep power saving mode	<SPBSJ*P:BSJGPS*3P:110>10 stand for data sending interval
Smart power saving mode	<SPBSJ*P:BSJGPS*3P:2>

Noted:

1.Real-time tracking mode: The device has been on line, upload one data if the device move 50m in 30s in default. There are turning points and blind area data upload, the trajectory is complete.

2.Deep power-saving mode: Wake up and upload data according to the specified time interval which can be set at a range of 10-720 minutes. During other time, vibration can not but the light sensor can wake the device up.

3.Smart power-saving mode: Device will be offline after entered the static mode, online when waken up by vibration.(i.e., online when driving, offline after parking, save more power than real-time tracking mode. Upload one data if the device move 50m in 30s in default. There are turning points and blind area data upload, the trajectory is complete.

3. Common problem analysis and after-sales services

3.1 Common problem analysis

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

3.2 Attention

- 1 Electronic product please note waterproof.
- 2 Please keep the backup battery is enough.
- 3 When the temperature of the environment is more than the normal work of the terminal temperature range, advice without electricity.
- 4 When the vehicle in an underground parking lot, tunnel or garage, will influence the positioning signal. And possible communication network signal blind area lead to equipment can't monitor; after the vehicle out of the above areas, equipment will automatically return to normal work.
- 5 In abnormal situation, please do not repair itself. By linking the original attachment or unplug the connection between the various components damage, manufacturer is not liable.

3.3 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.