

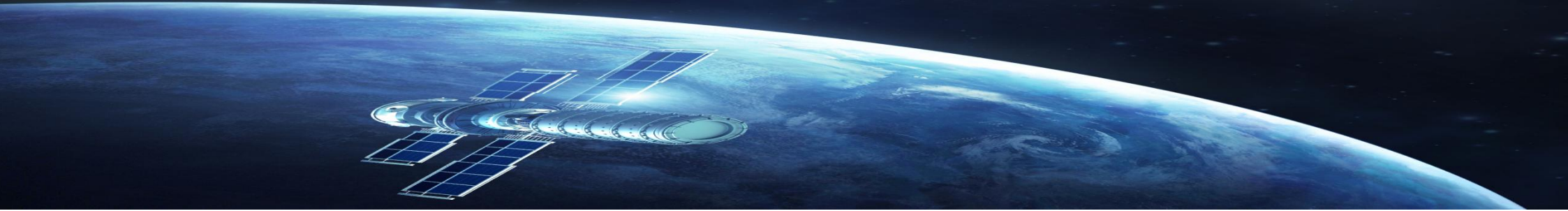
4G GPS TRACKER USER MANUAL (V2.1)



PROCDUT MODEL: OBD II 4G

HUIZHOU AUTO-SALI TECHNOLOGY CO., LTD.

<https://autosaligps.com>



C

ONTENTS

01	Product Parameters -----	1
02	Product Function -----	3
03	Product Installation Instructions ---	5
04	Product Operation Instructions ----	8
05	Trouble Shooting -----	10

01.Product Parameters

CLASS	FUNCTION	DESCRIPTION	
Electrical Features	Mode of Power supply	Supply of power	
	Operating voltage	DC 9V - 45V	
	Working current	12V/Average 40mA	
	Sleep current	12V/Less than 10mA	
	Built-in battery capacity	180mAh (Polymer battery)	
Environmental Features	Range of operating temperature	-20°C - 75°C	
	Range of storage temperature	-30°C - 80°C	
	Range of operating humidity	10%-85% RH	
Communication Features	Frequency Bands (A)	LTE-FDD/4G	B1/B2/B3/B4/B5/B7/B8/B28/B66
		GSM/2G	850/900/1800/1900MHz
	Frequency Bands (E)	LTE-FDD/4G	B1/B3/B5/B7/B8/B20
		GSM/2G	900/1800MHz



	Communication module chip	SIMCOM A7670
	SIM Card	Micro SIM Card
	Antenna specifications	FPC
Positioning Features	Positioning module chip	AT6558D
	Positioning mode	GPS&BDS
	Cold start time	32s
	Hot start time	1s
	Tracking sensitivity	-162 dBm
	Antenna Type	Ceramic
	Antenna specification	25mm * 25mm * 4mm
	GPS frequency range	L1: 1575.42±1.023MHz
	BDS frequency range	B1: 1561.098±2.046MHz
	Number of satellite channels	32
	Positioning accuracy	<10m (1σ)
	Timing accuracy	<30ns (1σ)



	Speed measurement accuracy	<0.1m/s (1σ)
	Maximum acceleration	4g
	Maximum speed	515m/s
	Maximum height	18000m
Outside specification	Size	53mm * 47mm * 23mm
	Weight	45g
	Material	ABS

02.Product Function

NO.	FUNCTION	DESCRIPTION
1	Real Time Tracking	More precise positioning with high performance chipset. Update position every 10 seconds with continuous tracking.
2	Historical Playback	Support up to 3 months' historical track, operate through platform or APP.



3	GEO Fence	After setting the area of the GEO Fence, APP will receive an alarm when entering or exiting this fence.
4	Over-speed Alarm	When vehicle is over speed, device will upload an alarm to the server.
5	Low Battery Alarm	You will receive a low battery alarm if the device battery low than 20%.
6	Vibration Alarm	If you turn on this type alarm through SMS command, Built-in device vibration sensor, after set up defence, the vibration equipment will trigger the vibration alarm.
7	Driving Behavior Detection	The device can detect your driving behavior, such as sharp acceleration, sharp deceleration, sharp turns, and you can control the function on or off via SMS.
8	Blind Area Data Upload	Data will be stored up to 4800pcs in places with poor signal, and upload stored data when signal is good.
9	Inflexion Upload	When the angle that vehicle turned is more than a setting scale it will send a location data soon to optimize the playback.



10	EPO Located For Assistance	The terminal supports the EPO assisted positioning function to enhance the positioning effect.
11	AGPS	Support AGPS, Capture signal quickly.
12	OTA	The software can be upgraded remotely and continuously optimized and updated to achieve a better user experience.

03.Product Installation Instructions

3.1 Definition Of Light Indicator

COLOR	TYPE	STATUS	DEFINITION
Yellow Light	GSM	Light flashes quickly	GSM is in initialization.
		Light is always on	GSM communication is normal.
		Light is always off	Device is in sleep or shut down.



Blue Light	GPS	Light flashes quickly	GPS signal is searching.
		Light is always on	GPS has been located.
		Light is always off	Device is in sleep or shut down.

3.2 Installation&Use

Steps for the correct use of device: Prepare→Start→Set→Register

1. Prepare:

You need to install the SIM card into the device in the correct direction (please active the GPRS function of SIM card and make sure SIM card has charges; and then switch on.)

2. Start:

Locate the OBD socket (16-pin OBD II standard interface) and plug.



Compatible For Most Vehicle Models

Note: most OBD interfaces are in the places picture shows



Smart Plug And Play

16 pins OBD standard interface, plug&play with easy operation



3. Set:

After the correct installation and start, set the settings according to the operation manual (command list page 8), suggested order for command:

PARAM# (check all parameters and status of device, if APN is null, please set correct APN by command)

4. Register:

Log in to the GPS tracker platform to view the location and status of the vehicle and perform related operations. (check more details on chapter 4.2 Platform Operating Instructions, page 9)



04.Product Operation Instructions

4.1 Common Command

NO.	DESCRIPTION	COMMAND FORMAT	FEEDBACK
1	Check parameters	PARAM#	IMEI:869731053621;TIMER:10,0;SNEDS:3;HBT:180Sec;Defense:3;
2	Check status	STATUS#	ID:869731053621,ACC:ON,NET:1,CSQ:23,GPS:0-11
3	Location query	WHERE#	Current Position!Lat:N23.168,Lon:E23.168,Speed:0KM/H,DateTime:6th-Jan-2023 10:52:49
4		URL#	<a +22.60058,+113.08069"="" href="http://maps.google.com/maps?q=">http://maps.google.com/maps?q=+22.60058,+113.08069
5	Set APN.	APN,cmnet,,#	SET APN OK!
6	Set server IP&port	SERVER,0,8.211.44.75,7700,0#	SERVER:0,8.211.44.75,7700,0
		SERVER,1,www.auto-sali.com,7700,0#	SERVER1,www.auto-sali.com,7700,0



7	Set & delete center	CENTER,A,[phone number]#	SET CENTER OK!
	number	CENTER,D#	DEL CENTER OK!

4.2 Platform Operating Instructions

Users can log in to the GPS tracker platform to view the location and status of the vehicle and perform related operations.

1. Login and check on web platform:

Enter the URL *www.auto-sali.com*, If individual users, please log in with the device ID number and default password is:123456.

For enterprise users and fleet management users, please log in by users name. The user name and password are set by dealer, please contact the respective dealer to assign.

2. Login by mobile APP:

User can search the APP name(*ATS GPS*) in the App store to download.

If individual users, please log in with the device ID number and default password is:123456.

For enterprise users and fleet management users, please log in by users name. The user name and password are set by dealer, please contact the respective dealer to assign.



05. Trouble Shooting

COMMON PROBLEM	REASON	SOLUTION
Poor signal reception	Using the terminal in areas with poor reception, such as near high-rise buildings or underground parking lots, radio waves cannot communicate effectively.	Please drive to open air place and run for 10 mins.
First time installation platform display not activated	SIM card not installed.	Install the SIM card correctly.
	Indicator light does not shine.	To charge.
	Indicator light flashes.	Detect SIM card status.
	SIM card is not enabled GPRS function.	Please contact the sim card provider to activate the network function.
Platform map display incorrect location	GPS not fixed.	Please drive to open air place and run for 10 mins.
	The terminal has been standing still after installation.	Take the terminal outside and run a few laps.
Platform shows offline status	The SIM card is overdue or out of charge, or network function is turned off.	Detect SIM card status.
	Weak signal in drop zone.	Please drive to open air place and run for 10 mins.





WARRANTY CARD

Special statements

1. If there is any technical modification for this product in the future, no further notice.
2. If the appearance or color of the product were changed, please refer to real product.
3. The warranty card is only applicable to product with IMEI number listed as below.
4. Please keep this card in good condition, please present this card and the original purchase receipt when you apply warranty.
5. Please refer to the table below for the warranty range.

This card is the basic proof of the warranty, please fill in the card carefully and keep it in good condition.

User Name		Telephone Number	
Address			
Model		IMEI	
Purchasing Date		Commercial Invoice No.	
Seller Name			
Seller Add.			
Seller Tel.			

The non-human damage failure is guaranteed for 3 year since the date of purchase. Any of the following conditions is not covered by the warranty, but can be repaired if you pay the cost:

- (1) Exceeding the warranty period;
- (2) Damage caused by unauthorized disassembly or repair without the authorization of our company;
- (3) immersed in water and the circuit board was burnt;
- (4) Damage caused by improper installation, use, maintenance or storage;
- (5) damage of outer casing caused by the improper use;
- (6) The IMEI number of the product is torn or blurred;
- (7) The warranty card and product model No. not match, or the warranty card was altered;
- (8) Damage caused by force majeure.