

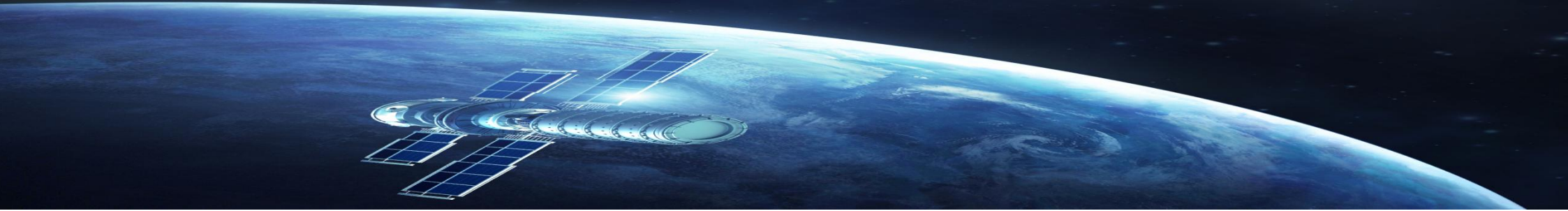
4G GPS TRACKER USER MANUAL (V2.1)



PROCDUT MODEL: VP07

HUIZHOU AUTO-SALI TECHNOLOGY CO., LTD.

<https://autosaligps.com>



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01.Product Parameters

CLASS	FUNCTION	DESCRIPTION
Electrical Features	Mode of Power supply	Supply of storage battery
	Operating voltage	DC 3.4V - 4.5V
	Working current	4V/Average 40mA
	Sleep current	4V/Average 6mA
	Standby current	4V/Average 6 μ A
	Built-in battery capacity	1500 mAh (Polymer battery)
	Charge time	\approx 2.5 hours
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	
	Frequency Bands (SA)	LTE-FDD/4G	B1/B2/B3/B4/B5/B7/B8/B28/B66
		GSM/2G	850/900/1800/1900MHz
	Communication module chip	SIMCOM7670	
	SIM Card	NANO 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	-162dBm	
	Antenna Type	Ceramic	



	Antenna specification	18mm * 18mm * 4mm	
	GPS frequency range	L1: 1575.42±1.023MHz	
	BDS frequency range	B1: 1561.098±2.046MHz	
	Number of satellite channels	64	
	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	51mm(L) * 29.5mm(W) * 17.5mm(H)	
	Weight	41g	
	Material	ABS	
	IP Grade	IP65	
Different Work Mode	Fast track mode	Vibrating	1 days



	Standard mode	Vibrating	7 days
		Stillness	12 days
	Powersaving mode	Vibrating	9 days
		Stillness	12 days
	Standby mode	Vibrating	11 days
		Stillness	12 days
	Fast track mode	The device is in the working state by default, the position is updated once in 30S, and the device works until the battery runs out or switches to other work modes.	
	Standard mode	The device is in standby mode by default, during which vibration is detected, it enters the working state every 10 minutes to update the position, and if no vibration, it remains in standby mode(GPRS is on, GPS is off).	
	Powersaving mode	The device is in standby mode by default, during which vibration is detected, it enters the working state every 1 hour to update the position, and if no vibration, it remains in standby mode(GPRS is on, GPS is off).	
	Standby mode	The device is in standby mode by default, during which vibration is detected, it enters the working state every 12 hours to update the position, and if no vibration, it remains in standby mode(GPRS is on, GPS is off).	



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	Low Battery Alarm	You will receive a low battery alarm if the device battery low than 20%.
5	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
Red Light	Charging indicator	Light is always on	Connect the power supply.
		Light is always off	There is no power connection.
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:

Check the accessories to make sure the device has power, and if the battery is low, please charge it in time.

If the device has not been used for a long time, it needs to be charged for about 20 minutes before it can be turned on.

2. Start:

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.)

3. Set:

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

ABOUTME# (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 10)

04.Product Operation Instructions

4.1 Common Command

NO.	DESCRIPTION	COMMAND FORMAT	FEEDBACK
1	Check all information.	ABOUTME#	IMEI: ICCID: Hardware: Software: APN:cmnet; Server:8.211.44.75#7700; TimeZone:E,8,0; Status:offline Speed:20km/h GPS: NETType:2G GSM CQS:28 Position Type:GPS The last position: The last position is Lat:N23.168617,Lon:E23.16817,DateTime:2023-01-06
2	Check parameters	PARAM#	IMEI:863014538374658;APN:cmnet;Server:8.211.44.75#7700T IMER:10,10;Center Number:13612345678;TimeZone:E,8,0;
3	Check status	STATUS#	IMEI:863014538374658;External power:ON,11.81V; SPEED:12km/h; Status:offline ;ACC: ON;GSM Signal Level:H; GPS:Successful Positioning; GPS Signal Level:H;



4	Work Mode	FAST#	FAST working mode is set,position is every 30 sec.
		STANDARD#	STANDARD working mode is set,position is every 10 min.
		POWERSAVING#	POWERSAVING working mode is set,position is every 1 hour.
		STANDBY#	STANDBY working mode is set,position is every 12 hour.
5	Location query	WHERE#	Current Position!Lat:N23.168,Lon:E23.168,Speed:0KM/H,DateTime:6th -Jan-2023 10:52:49
6		URL#	<04-1110:24> http://maps.google.com/maps?q=+22.60058,+113.08069
7	Set APN.	APN,cmnet,,#	SET APN OK!
8	Set server IP&port	SERVER,ATSGPS,8.211.44.75,7700#	SET IP OK! IP:008.211.044.075,7700
		SERVER,ATSGPS,www.auto-sali.com,7700#	SET IP OK! IP:www.auto-sali.com,7700
9	Set & delete center number	CENTER,A,[phone number]#	SET CENTER OK!
		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.