

2G GPS TRACKER USER MANUAL (V2.1)



PROCDUT MODEL: AT05

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 3V
	Built-in battery capacity	3000mAh (Li-MnO2 battery/)
	Average standby current	<4mA
	Average working current	<55mA
	Standby time	3 years@work 2mins every day
Environmental Features	Range of operating temperature	-20°C ~70°C
	Range of storage temperature	-40°C ~ 85°C
	Range of operating humidity	5%-95% RH



	GSM/2G	850/900/1800/1900MHz
	Communication module chip	UBLOX
	SIM Card	NANO SIM Card
	Antenna specifications	FPC
Positioning Features	Positioning module chip	AT6558
	Positioning mode	GPS&BDS
	Cold start time	32s
	Hot start time	1s
	Tracking sensitivity	-162dBm
	Antenna Type	Ceramic
	Antenna specification	18mm * 18mm * 6mm
	GPS frequency range	L1: 1575.42±1.023MHz



	BDS frequency range	B1: 1561.098±2.046MHz
	Positioning accuracy	<15m (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	OD31*83mm(L)
	Weight	66g
	Material	Medical Grade Shell Material
	IP Grade	IP68



Work Mode	Tracking mode	This mode is used for real-time tracking or engineering testing after the cattle are lost, and the tracking time and upload interval are set through the command, which can be turned on around the clock, but it consumes more power.
	Timed power-on work mode	User can set power-on time and number of power-on and power-on interval on request. For example,: (1)command <i>pwontime,123456,8,20,24,1</i> , means device work on 8:20, and work for 5 minutes, power-on every 1 hour; (2)command <i>pwontime,123456,10,00,1,24</i> , means device work for 5 minutes on 10:00 everyday.



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	Blind Area Data Upload	Data will be stored up to 999pcs in places with poor signal, and upload stored data when signal is good.
5	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.



6	EPO Located For Assistance	The terminal supports the EPO assisted positioning function to enhance the positioning effect.
7	AGPS	Support AGPS, Capture signal quickly.
8	Multi-ple Smart Working Modes	Device have tracking mode and Timed power-on work mode. This mode is used for real-time tracking or engineering testing after the cattle are lost. Timed power-on work mode is used for daily use.
9	Long standby	3 years long standby without charging, save more labor cost and energy for battery.

03.Product Installation Instructions

3.1 Definition Of Light Indicator

COLOR	TYPE	STATUS	DEFINITION
Red Light	GSM	Light flashes quickly	Searching



		Light flashes slowly	GMS is OK
Blue Light	GPS	Light flashes quickly	Searching
		Light flashes slowly	GPS is OK

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.

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:

param,123456 (check all parameters and status of device, if APN is null, please set correct APN by command)

Admin,123456,1,your phone number (set your cellphone no. as center number to receive the alarm).

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
2	Check parameters	param,123456	ID:860016028471642 IMEI:860016028471642 APN:cmnet IP:8.211.44.75:7700 Interval:30(AccOn),60(AccOff) MODE:2



			GPRS ENABLE:1 Time zone:0.0 Admin[1]:Admin[2]:Admin[3]:
3	Check status	status,123456	ID:860016028471642 Mileage:0 V-bat:4.11V GSM:100 GPS Sat:7
4	Work Mode	tracking,123456,0,45	Tracking setting ok!
		pwontime,123456,10,00,1,24	Power on setting ok!
6		Url,123456	http://maps.google.com/maps?q= +22.60058,+113.08069
7	Set APN.	APN,123456,cmnet	APN setting ok!
8	Set server IP&port	ip,123456,8.211.44.75,7700	IP and port setting ok!
		ip,123456,www.auto-sali.com,7700	
9	Set & delete center number	Admin,123456,1,13760116666	Admin phone number setting ok!
		Admin,123456,1,d	Admin phone number delete 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.