4G GPS tracker

V23

Important! Please read below statements before using:

1. Due to external factors all GPS devices have position error, so the position provided by this device just for reference.
2. There may be delays caused by telecom operators at certain circumstance. Our company doesn't assume to be responsible of loss causes by this delay.

Main features:

- 4G LTE+3G WCDMA+2G GSM networks
- Waterproof IP67
- GPS, Beidou with accuracy of 5m outdoors
- WIFI with accuracy of 30m indoors
- Web platform/ Phone App for position check
- SOS button for urgent help
- Vibration alarm
- Sound detection alarm
- Door sensor alarm (Optional)
- Loud alarm sound for help/Ring to find
- Historical route display/ Geo-fence
- Low battery/ SIM card changing alarm

Product specification:

Frequency bands:

4G FDD: Band 1/2/3/5/7/8/20/28
3G WCDMA: Band 1/2/5/8
2G GSM: Band 2/3/5/8

GPS locating time:

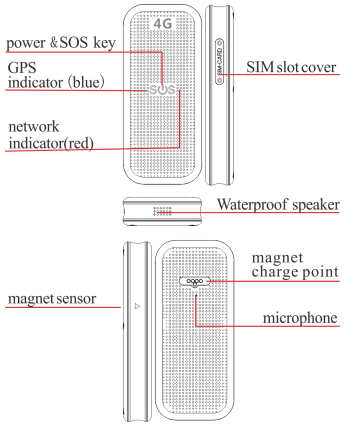
30sec with cold boot (open sky)
29sec with warm boot (open sky)
5sec with hot boot (open sky)

GPS tracking accuracy: 5-15m (open sky)
WIFI tracking accuracy: 15-100m (in WIFI area)
Working temperature: -20℃ ~ +70℃
Working humidity: 5% ~ 95% RH
Host size: 110*50*18mm
Host Net weight: 133g
Battery capacity: 2000mA/4000mA(optional)

Accessories:

1*Device host 1*USB cable
1*User manual 1*accessories bag
1*door sensor accessories bag (optional)

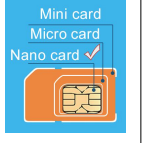
Step 1: Learn your Tracker device details:



Step 2: Prepare with a SIM card:

1). Choose a Nano SIM card as right instruction.

2). Activate the SIM card's Cellular data plan and Caller ID display service. (Note: Tracking needs consume data, making phone calls also needs charges. The device must use its unique SIM card tray as the following instruction and then insert it into the SIM slot.



Step 3: SIM card installation and power on

1). Please make sure the tracker is off before inserting a SIM card;

2). Open the waterproof SIM slot cover with a screw driver. As shown on the right, put the SIM card on the card tray with the inward notch, and then push the card tray into the SIM card slot.

3). Put the SIM card waterproof cover back and fasten it with screws to ensure the waterproof effect.

4). Press the power button for 5-7s, until the ringtone and 2 indicators on, then release the power button, and the device successfully powered on.

Indicators instructions:

GPS and GSM indicator details:

	Color	Status	Meaning
Power on	Red (Network)	Slow flash	Signal searching
		Fast flash	Signal received
	Blue (GPS)	Slow flash	Positioning
		Fast flash	Position uploaded
Charging	Red indicator	Slow flash	In charging
		Always on	Fully charged
	Blue indicator	Slow flash	In charging
		Slow flash	Fully charged
Low battery: the red indicator flash only			

Step 4: Install APP by tracker Guardian

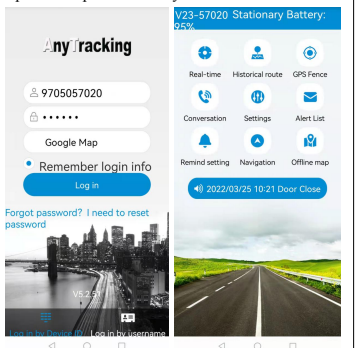
Guardian needs to scan the QR code in last page of this manual with smart phone, download and install the tracking App.

Step 5: Login App

Login the App with the 10 digits ID No. on device back label, default password is 123456. The device is online when the device displays "Stationary" or "Moving." Only when the device is online can the tracker be operated remotely through the App.

Step 6: Location check

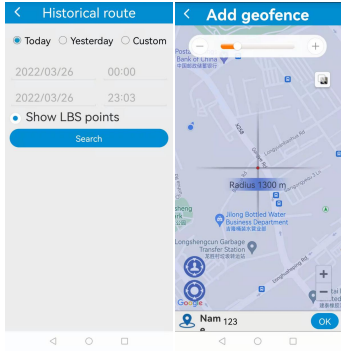
➢ **Real time tracking:** Display the last position of the GPS tracker, stay on the real-time tracking page, and the tracker will update the position every 5 minutes.



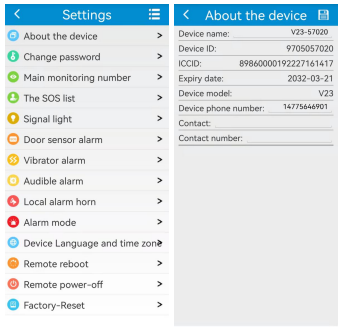
GPS location updating interval: Click the gear button in the upper right corner to enter the GPS uploading interval setting menu. The shorter the interval, the more accurate the positioning will be, but the correspondingly shorter standby time of the device, please set accordingly. It is generally recommended to choose every 10 minutes. Once look for the tracker, temporarily adjust it to every 1 minute, and then adjust it back to every 10 minutes or 1 hour to ensure a longer standby time after the device is found.

➢ **Historical route:**
Display the historical route of any day in latest 90 days. You can choose whether to filter out LBS location data. (Note: LBS means the location data indoors, error can be large.)

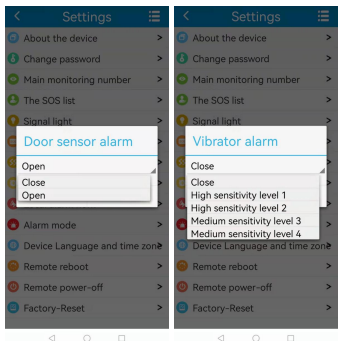
➢ **Geo-fence:** Add, check or cancel a geo-fence.
GPS-fence: when the device gets into or out of the GPS-fence. The App will get alert. (Note: we suggest the radius of GPS-fence over 300 meters to reduce false alerts.)
WIFI-fence: You can set 2 WIFI safe zones, when device leaves safe WIFI zones, the App will give notification.



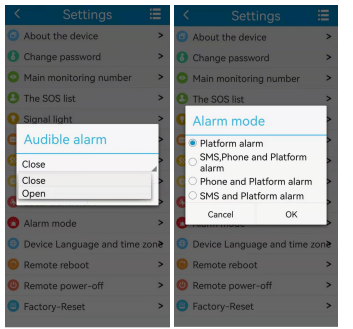
- **Talk:**
  - ✓ **Call the tracker:** To make a call to the tracker when click it;
  - ✓ **Voice monitoring:** To request a one-way call from tracker to the number you type and hear the sound around tracker.
- **Settings：** The App settings only work when App shows device online (Stationary or moving) with the SIM card's data plan.



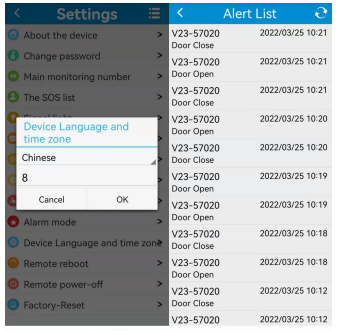
- ✓ **About the device:** Click the pencil icon on the upper right to enter the edit page, you can modify the device name, fill in the device phone, contact and guardian phone, and whether to filter LBS and WIFI positioning.
- ✓ **Change password：** Change APP and Web platform's password.
- ✓ **Main monitoring number：** The number used for commands sending and SMS alerts receiving.
- ✓ **Set SOS number：** 3 SOS numbers can be set. After the device is turned on, the power button will automatically turn into the SOS function. In case of emergency, you can call for help through it. Press and hold the power button for 3 seconds, the device sends out a ringtone, and call all the SOS numbers until someone answers; if no one answers, the device will call all SOS numbers twice.
- ✓ **Door alarm（Optional）：** Once turned on, the device will send out alarms according to App preset ways when the door is detected open or closed. When install the magnetic strip, please keep the distance within 1cm. Once the distance is less than 1cm, door closed alarm triggers, and once it is bigger than 3cm, door open alarm triggers.
- ✓ **Vibration alarm：** Turn on /off by App, there are 4 levels for vibration sensitiveness, level 1 is the most sensitive, level 4 is the most insensitive.
- ✓ **Sound alarm：** Once sounds are detected, the device will send out alarms in the way of App preset.



- ✓ **Local alarm horn:** Turn on or off local siren. Once it is on, the device will send out loud siren sound when alert is triggered.
- ✓ **Alarm mode:** There are four alarm modes to choose:
  1. Alarm only to App;
  2. Alarm notification to App and a call to main monitor number;
  3. Alarm notification to App and send SMS to main monitor number;
  4. Alarm notification to App, make a call and send SMS to main monitor number.



- ✓ **Device Language and time zone:** Set tracker SMS alerts' language and time zone. Options are Chinese and English.
- ✓ **Remote reboot:** To reboot the tracker from this setting.
- ✓ **Remote power-off:** To power-off the tracker remotely. After this setting, device can be turned on only manually.
- ✓ **Factory-Reset:** To default the device back to factory settings.
- **Alarm list:** To list all alerts sent by tracker.
- **Remind setting：** To turn on or off App notifications and modes of them.



- **Logout:** Log out from the App, and no more notification will be received from the tracking App.

For more functions of the App and web platform, please login our PC tracking platform: www.gps123.org.

Step 7: Power off the tracker

1. When no SIM card in the tracker, press the power button for 5 to 7 seconds till a ringtone.
2. When a SIM card installed, to avoid wrong operation, tracker can be powered off only via App setting.

Matters need attention:

- ◆ Please use this tracker in the area of good network signal.
- ◆ For a better performance, please charge the new device for 10 hours.
- ◆ To extend battery life, please charge and discharge the tracker fully at least one time in 3 months.
- ◆ The tracker is waterproof IP67, but we don't suggest to soak it in water for too long time.
- ◆ Please don't open the tracker case by yourself, as it may affect the waterproof and lose the warranty right.

***FAQ*:**

***Q*: After inserting a SIM card, it can get SMS reply, but it displays "Not enabled" on the platform and APP.**

A: Please check the tracker SIM Card has data plan.

***Q*: Device is online, but it shows "wait for the device responses" when you make settings with APP.**

A: a. Device SIM signal is not good with poor data transfer;

b. Device is busy in other process. Please wait and try again.

***Q*: The SIM card has data plan, but the device still shows "Not enabled "or "offline".**

A: Please send below SMS command from your own cellphone to the tracker SIM card number to set APN into the tracker.

The command is:

pw,123456,**apn,apndata,user,password,MCC MNC code#**

For example:

pw,123456,apn,internet,,,78502#

(Note: The blue parts are different according to different SIM providers. If user and password are blank, delete them from the command but keep the commas. There is no space between them and all letters shall be in lowercase style.**)**

Scan the QR code and install tracking App, or search for **Anytracking** in App store.

Tracking web site is **WWW.gps123.org**