4G Solar powered GPS tracker

V24-4G

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 take responsibility of loss causes by this delay.

Main features:

- 4G LTE+3G WCDMA+2G GSM networks
- Waterproof IP67
- GPS + Beidou positioning, with accuracy of 5m outdoors
- WIFI positioning, with accuracy of 30m indoors
- Web platform/ Phone App/ SMS for positions check
- Solar charging automatically when sunlight exists
- Removal alarm
- Vibration alarm
- SOS button for urgent help
- Loud siren for help/Ring to find the device
- Historical route display/ Geo-fence
- Low battery/ SIM card changing alarm
- High power LED prompt light
- Step counting

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 positioning accuracy: 5-15m (open sky)

WIFI positioning accuracy: 15-100m(Under WIFI range)

Working temperature: -20℃ ~ +70℃

Working humidity: 5% ~ 95% RH

Host size: 65(L)*55(W)*26(H)mm

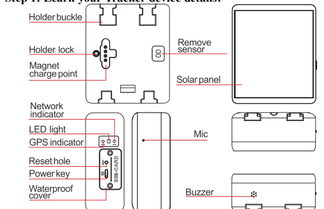
Host Net weight: 108g

Battery capacity: 4000mAh

Accessories:

1* Solar GPS tracker host
1* User manual
1* Screw driver
1* USB magnet charging cable
1*Collar holder

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.)

Step 3: SIM card installation and power on

1). Please make sure the tracker is off before inserting SIM card;
2). Open the SIM slot cover with a screw driver. As shown on the right, put the SIM card with the inward notch on the card tray, and push into the SIM slot.
3）. Put the SIM card waterproof cover and fasten it with screws to ensure the waterproof effect.
4). Press the power button for 5-7s, until the blue and red indicators are on for 2s, and the buzzer emits a beep, then release the power button, and it is successfully powered on.

Indicators instructions:

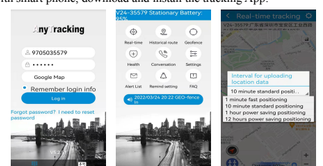
GPS and GSM indicator details:

	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 slow 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

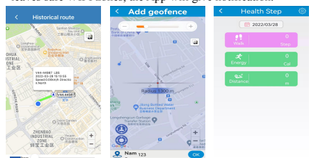
Login the App with the 10 digits ID No. on device back label, default password is 123456.
The locator is online when the device displays "Stationary" or "Moving." Only when the device is online can the tracker be operated remotely through the App.

Step 6: Location check

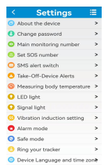
- **Real time tracking:** Display the last position of the GPS tracker, stay on the real-time tracking page, and the tracker will update the position every 5 minutes.
- ✓ **GPS location updating interval:** Click the gear button in the upper right corner to enter the GPS uploading interval setting menu. The shorter the interval, the more accurate the positioning, but the correspondingly shorter standby time of the device, please set accordingly. It is generally recommended to choose every 10 minutes. If you are looking for the tracker, temporarily adjust it to once every 1 minute, and then adjust it back to every 10 minutes or 1 hour to ensure a longer standby time.
- **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.



- **Health：**To learn about the health status of animals through the App.
  - ✓ **Health Steps:** Click the gear button in the upper right corner of the APP page to enter the health pedometer setting page, set the time period, turn on the pedometer switch, and then you can know the animal's health status through the pedometer data.
- **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：** All settings need to work when App shows device online with the SIM card's data plan.
- **About the device: Clic**k 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：** At most 3 SOS numbers can be set. After setting, only the main monitor number and SOS numbers can call the tracker and hear sound around the it.
  - ✓ **SMS alert switch:** Turn on this setting to enable the tracker to send SMS alerts to main monitoring number.
  - ✓ **Removal alarm:** After turning on for more than 3 minutes, the tracker will send alerts when it is taken off from the wearer.
  - ✓ **LED light:** Turn on or off the light then easy to find the animals, there are 2 lighting modes: mode 1 is flash mode; mode 2 is always light on.
  - ✓ **Signal light:** Turn on or off the signal indicator lights in tracker;
  - ✓ **Vibration sensitiveness setting:** on /off by App, there are 4 levels for vibration sensitiveness, level 1 is the most sensitive, level 4 is the most insensitive.
  - ✓ **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,when the remove alarm/vibration alarm was triggered:
    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.
  - ✓ **Safe mode:** Once turned on, only the main monitoring number and SOS numbers can call to the tracker.
  - ✓ **Find device:** When activate this function, the tracker will send out ringtone for being found easily.
  - ✓ **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 two beeps to power off it.
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 dip it into 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.
- The tracker uses Cell tower signal (LBS) or WIFI when indoors, the locating accuracy depends on tracker distance to signal tower and other facts, like metal and surroundings. Due to the restrictions and influences of the use environment, the civil equipment has deviations in positioning which is not a quality problem, and is not subject to quality problems for after-sales processing.

***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: What to do when the device crashes?
A: Short press the RST hole with the removal pin,and then charg the device to restart it. Do not press the hole long time, otherwise it will get damaged.
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 for install tracking App
Or search **Anytracking** in App store