



|                     |  |
|---------------------|--|
| <b>Product Name</b> | <b>Personal GPS Tracker</b>  |
| <b>Product SKU</b>  | <b>GAOTek-GPS-172</b>  |
| <b>Product URL</b>  | <b><a href="https://gaotek.com/product/gaotek-personal-gps-tracker-3/">https://gaotek.com/product/gaotek-personal-gps-tracker-3/</a></b> |

**Contact us: [sales@gaotek.com](mailto:sales@gaotek.com)**

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



## Content

### Index

|   |    |
|---|----|
| 1. Introduction.....                                    | 3  |
| 2. What is in the Box.....                              | 3  |
| 3. Hardware Description .....                           | 3  |
| 4. Indicator Description .....                          | 4  |
| 5. Notice.....  | 5  |
| 6. Specification .....                                  | 5  |
| 7. About Charging.....                                  | 6  |
| 8. How to use your device.....                          | 7  |
| 9. Set the authorized phone numbers .....               | 8  |
| 10. Make the SOS emergency call.....                    | 8  |
| 11. Set the Call Volume.....                            | 9  |
| 12. Make a phone call by the device.....                | 9  |
| 13. Receive the Phone Call .....                        | 10 |
| 14. Set the Listen-in Function.....                     | 10 |
| 15. Use the Fall Down Alert .....                       | 10 |
| 16. Get the single positioning .....                    | 11 |
| 17. Set the low battery alarm .....                     | 11 |
| 18. Two ways of wearing .....                           | 11 |
| 19. Support GPS & WIFI Dual Positioning Functions ..... | 11 |
| 20. How to Use the Tracking Platform .....              | 11 |
| 21. About the Account .....                             | 12 |
| 22. Login the GPS Tracking Platform.....                | 12 |
| 23. More Functions of the Device.....                   | 12 |
| 24. Reset the Device .....                              | 13 |
| 25. Command List.....                                   | 13 |
| 26. Cautions .....                                      | 17 |

## Introduction

It is waterproof IP67 GPS personal tracker. With two-way communication, SOS alarm function, fall down alarm function, auto tracking and listen-in function, it is suitable for children, elder people, lone workers, patients and vehicles. You can implement real-time tracking anywhere via the mobile phone APP or tracking platform. It helps to protect the person who you care about.

## What is in the Box

- 1.The Device
- 2.Magnetic Contact Cable
- 3.Lanyard
- 4.Plug
- 5.Screwdriver & Screws
- 6.User Manual

## Hardware Description





- 1.SOS Button
- 2.Power Button
- 3.Indicator
- 4.Microphone
- 5.Charging Contact Point
- 6.Belt Clip
- 7.Docking Station Charging Contact Point
- 8.Speaker
- 9.Antenna Cover

Optional Accessories: Belt Clip / Docking Station

### Indicator Description

| LED    | Bright frequency              | Mode   |
|--------|-------------------------------|--|
| Red    | Keep on brighting             | Charging                                     |
|        | Off                           | Fully charged                                |
| Yellow | Once/second                   | Configuration booted                         |
|        | Once/5 seconds                | Normal working                               |
|        | No flashing                   | SIM card not be inserted/not be read         |
|        | Twice/5 seconds(when gprs on) | Platform connected                           |
|        | Once/5 seconds(when gprs on)  | No network/platform disconnected             |
|        | Once/2 seconds(when gprs on)  | Network disconnected& Platform Re-networking |

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



|  |                                     |                      |
|--|-------------------------------------|----------------------|
| Blue (gps)< when flashing in the 1st 5s>         | Once/5 seconds                      | Positioning          |
|  | No flashing                         | No positioning       |
| Blue (Network type)<when flashing in the 2nd 5s> | Twice/5 seconds                     | 2G network connected |
|  | Three times/5 seconds               | 3G network connected |
|  | Four times/5 seconds                | 4G network connected |
| Blue&yellow                                      | Flash quickly and alternately       | Firmware downloading |
|  | On/off at the same time alternately | Firmware updating    |

## Notice

1. Red light shows charging status.
2. Green light shows GSM signal.
3. Blue light shows GPS status and network type. Every two five seconds Represents a cycle which circulates infinitely.

| Content            | Specs  |
|--------------------|--|
| 2G                 | Europe: 900/1800MHz  |
| 3G HSPA Bands      | America: B2/B5<br>Europe: B1/B8<br>Australia: B1/ B5   |
| 4G LTE CAT-1 Bands | Europe: B1/B3/B7/B8/B20<br>America: B2/4/12(AT&T , T-mobile)<br>B4/13 (Verizon)<br>Australia: B1/B3/B5/B7/B8/B28 |
| Dimensions         | 64.0 * 39.0 * 19.0 mm  |
| Weight             | 55g  |
| Waterproof Level   | IP67   |

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



|   |  |
|---|--|
| Color   | Black/White  |
| GPS Sensitivity                                     | Tracking: -165dBm<br>Re-acquisition: -160dBm<br>Acquisition: -148dBm |
| GPS Accuracy  | ≤10m   |
| GPS Start time                                      | Cold start: 32s<br>Warm start: 30s<br>Hot start: 1s                  |
| Battery Capacity                                    | 1100mAH  |
| SIM Card Type                                       | Nano SIM   |
| Firmware Upgrade Mode                               | OTA/USB  |
| Maximum Standby Time                                | 7 Days   |
| The Longest Working Time<br>(5Min upload data once) | 72 Hours   |
| Docking Station Charge Current                      | 500mA (Max)  |
| Charging Time                                       | 2-3 Hours  |
| Operating Temperature                               | -20°C to +65°C   |
| Working Humidity                                    | 5% --- 95%   |

## About Charging

Three ways of charging:

1. Talking station with magnetic contact cable charging.
2. Single magnetic contact cable charging.

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.

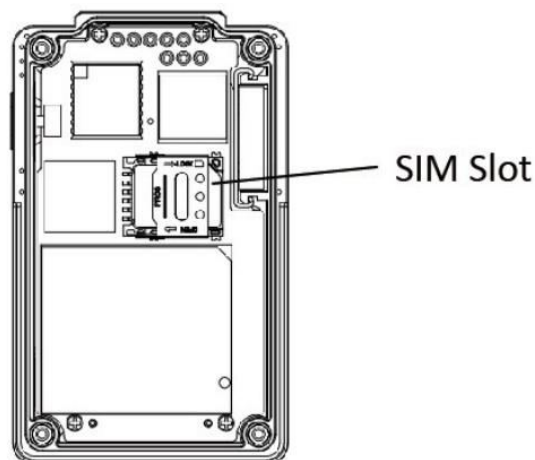
3. Docking station with USB cable charging.

## How to use your device

### Put the SIM Card

Open the device by Screwdriver, put sim card into the card port. Please tighten the device to make sure the waterproof function.

Notice: to avoid damaging the battery, please make sure the sim card cover is closed before screwing back the device.



### Switching the Device On and Off

1. Long press the power button more than two seconds until the tracker vibrates, the yellow indicator flashes singly the tracker is switched on
2. Long Paris the power button more than three seconds until the tracker vibrates and the two indicators flash at the same time the tracker is switched off.



Notice: it is better to get the signal outdoor or near the window.

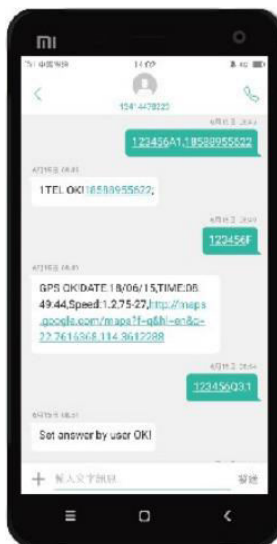


## Set the authorized phone numbers

You can set eight authorized phone numbers at most.

Put the sim card and switch on device then send command **123456A1**, **authorized phone number** via SMS the device reply: 1 TEL OK! authorized phone number.

Example: **123456A1, 18588955622**, details are as the following picture:



Notice: A1 means the first authorized phone number, A2 means the second one and A3 means the third one until A8

All the letters of commands must be capital.

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.





## Make the SOS emergency call

Long Press SOS Button until the device vibrates. Aso's alert will be triggered. It will send SOS message to the first authorized phone number and make a two way call to A1-A8 authorized phone numbers.



Notice: If A1 misses the calling, the device will call to the next one until someone answers.

## Set the Call Volume

Send command **123456Vxxx** via SMS to set the call volume.

**XXX** Is the volume, and it should be less than or equal to 100. When the volume is successfully set, the device will reply "**Volume:100%**" via SMS.

## Make a phone call by the device

```
HELP ME!
DATE:19/05/30
TIME:14:50:09
SPEED:0.6
BAT:61
CSQ:23
http://maps.google.com/maps?f=q&hl=en&q=-33.8479850,151.2187833
```

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



1. Continuously press SOS button (call button) for 4 times, the device will dial the fourth authorized number.
2. Continuously press SOS button (call button) for 5 times, The device will dial the fifth authorized number.

Notice:

1. Press the SOS button (call button) for only one time when dialing, you can hang it up.
2. When making the phone call, the device can only dial 2 phone numbers, the fourth and the fifth authorized numbers.

## Receive the Phone Call

The default setting is to answer the phone automatically after the device rings two times. If you want to change it send command **123456Q3,1** via SMS, then you can pick up or hang up the call by pressing the SOS button.

## Set the Listen-in Function

Send command **123456U1** via SMS, the device answers automatically and enters the listening in mode when you make a call to the device.

Notice the default setting is two-way audio(**123456U0**). Command of U1 and U0 cannot be used at the same time you can send command **123456U1/123456U0** to switch it.

## Use the Fall Down Alert

Send commands **123456KLXXX** to set threshold, **XXX** Is three digital number from 000<=xxx<255.000 Means close that drop alarm function.

Suggestion: xxx It would be from 045 to 050.

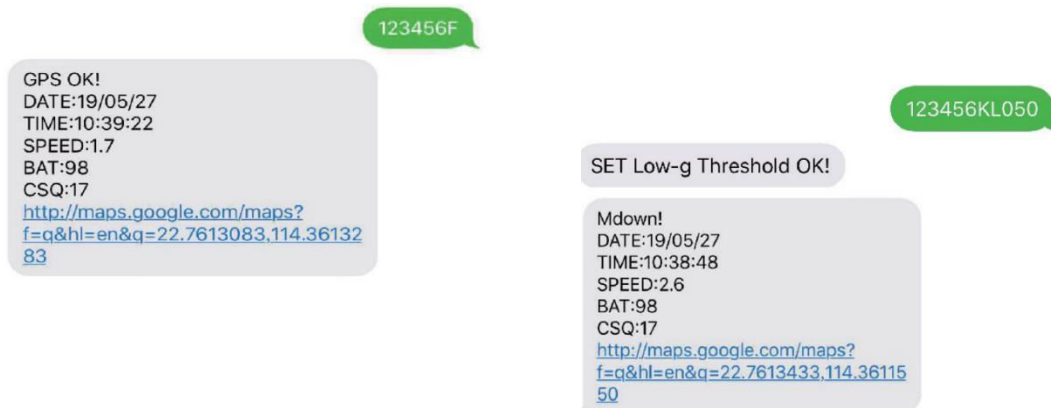


For example, send command **123456KL050** via SMS, When fall down alert is triggered, the device will send message to the first authorized phone number and give call to a A1-A8.

Notice: If A1 misses the calling, the device will give call to the next one until someone answers.

## Get the single positioning

Send command 123456F via SMS. The device will search the GPS signal to get the latest location. If it fails, the device will reply invalid information.



## Set the low battery alarm

Send command **123456N1,yy** via SMS.



“yy” Means the low battery volume. Such as 123456N1,30, it Means when the battery is below 30%, the device will send message to the first authorized phone number.

## Two ways of wearing

The device has two types of varying accessories; it can both be hanged up by the belt clip and by the lanyard.

## Support GPS & WIFI Dual Positioning Functions

When the GPS signal is weak, the device can switch to the WIFI assist positioning mode, searching 3 open WIFI (with visible WIFI name) with the fullest signal nearest the device, sending 3 MAC addresses to the platform and APP to support positioning and make it more accurate, it's especially very useful when using the tracking device indoor.

## How to Use the Tracking Platform

### Connect the Tracking Platform

1. Set APN, IP and port

Please confirm the SIM Card GPRS function is activated.

IP connection: Send command **123456CAPN,IP:Port** via SMS. (APN i from your SIM card in the device and IP port is 112.124.14.58:9289) Example: **123456CCMNET, 112.124.14.58:9289** (CMNET is APN.)

2. Send command **123456D** to turn on GPRS.

### About the Account

1. Send command **123456B** to get the IMEI number, then share the IMEI number with your contact.
2. Ask for an account and password from your contact.

After the above two steps done, you can login the tracking platform or APP start to use it.

## Login the GPS Tracking Platform

PC platform website: [www.glotracking.com/m/](http://www.glotracking.com/m/)

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



## How to Download APP

iOS version: Search **GloTrack** in App Store.

Android version: Search **GloTrack** in Google Play

Notice: Under Development.

Notice: If tracker is connected the platform, all of the messages (such as the SOS emergency alert, fall down alert and the single positioning) will be sent to the platform and authorized phone numbers as well.

## More Functions of the Device

Command list is attached as below and if you need help please contact the sales.

## Reset the Device

Send command RESET! via SMS, the device will reset to the factory settings.

Notice: The device will restart after sending the message without further response.

## Command List

| Function                                       | Command                     | Example   |
|--|-----------------------------|---|
| Set Authorized Phone Number                    | 123456Ax,phone number, name | 123456A1,18588955622,wang<br>or123456A1,18588955622<br>x stands for the No. of the authorized phone number(1-8).                                  |
| Delete Authorized Phone Number                 | 123456Ax,D                  | 123456A1,D<br>x means the No. of the authorized phone number(1-8)   |
| Ask for IMEI and Hardware and Software Version | 123456B                     |   |
| Set APN, IP and Port                           | 123456CAPN,IP:Port          | 123456C3gnet,119.122.101.91:9289<br>The user can obtain APN from local Operator, and if he or she wants to delete all, just needs to set 123456C, |
| Turn on GPRS                                   | 123456D                     |   |
| Turn off GPRS                                  | 123456E                     |   |
| Single Positioning                             | 123456F                     |   |
| Search User Setting                            | 123456G                     |   |
| Modify SMS Password                            | 123456Hpassword             | 123456H000000   |



|                                 |                |   |
|---------------------------------|----------------|---|
| Set Over Speed Alarm            | 123456Jx,yyy   | 123456J1,080<br>x=0 means turning off;<br>x=1 means turning on.<br>yyy stands for the low speed threshold(000-255)  |
| Turn off Device                 | 123456K        |   |
| Set Fall Down Alarm             | 123456KLxxx    | 123456KL045<br>xxx stands for the fall-down threshold(sensitivity)<br>000≤XXX<255, 000 means turning off the fall-down alarm function.  |
| Set Collision Alarm Threshold   | 123456KHxxx    | 123456KH045<br>xxx stands for the collision threshold(sensitivity)<br>000≤XXX<255, 000 means turning off the collision alarm function.  |
| Set Local Time Zone             | 123456Lxyy:zz  | 123456L+08:00   |
| Set Continuous Tracking Time    | 123456Mx,yyyz  | 123456M1,005M<br>x=0 means turning on;<br>XX=1 means turning off.<br>yyy means the set time(001-255)<br>z=S means the second;<br>z=M means the minute;<br>z=H means the hour; |
| Set GPRS HeartBeat Time         | 123456M2,xxx   | 123456M2,180<br>xxx stands for the second(060-600)  |
| Set Low Battery Alarm           | 123456Nx,yy    | 123456N1,30<br>x=0 means turning off;<br>x=1 means turning on.<br>yy means low battery threshold (less than 45, more than the lowest threshold)                               |
| Set Fully-charged Alarm         | 123456N2,x     | 123456N2,1<br>x=0 means turning on;<br>x=1 means turning off.   |
| Set GPRS User Name and Password | 123456O&&&,@@@ | 123456Ointernet,internet123<br>&&& stands for the user name<br>@@@ stands for the password  |

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.





|  |                               |   |
|--|-------------------------------|---|
| Set Movement Alarm   | 123456Px,yyy                  | 123456P1,050<br>x=0 means turning off,<br>x=1 means turning on<br>yyy means deviation from the<br>current coordinate distance<br>(less than 250, unit:10m)<br>When the tracker's movement<br>distance is over the set range,<br>the device will send out the<br>alarming message. |
| Set the Selection of Making<br>SOS/BMA Call or Not                                 | 123456Q1,x                    | x=0 means no phone call;<br>x=1 means making phone call   |
| Set whether the call needs to<br>be verified as an authorization<br>number         | 123456Q2,x                    | 123456Q2,1<br>x=0 means it needs the<br>authorization;<br>x=1 means any call can be<br>received without the authorization   |
| Set two-way call mode, the<br>call can take the initiative to<br>answer or hang up | 123456Q3,x                    | 123456Q3,1<br>x=0 means receiving the phone<br>call automatically by device;<br>x=1 means receiving or hanging<br>up the phone call by user.  |
| Set Turn on/off the Voicemail  | 123456Q4,x                    | 123456Q4,1<br>x=1 means turning on the<br>voicemail identification.<br>x=0 means turning off the<br>voicemail identification.   |
| Set the Selection of Matching<br>the Password or not in SMS                        | 123456Q5,x                    | 123456Q5,1<br>x=1 means it needs to matching<br>the SMS password<br>x=0 means it doesn't need to<br>matching the SMS password   |
| Set GPRS Domain Name and<br>Port   | 123456Rhttp://Domain;<br>Port | 123456Rhttp://liaohong.vicp.net;<br>6000<br>Domain means Domain Name<br>Port means Port No.   |
| Delete GPRS Domain Name<br>and Port  | 123456R;                      |   |

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



|  |                        |  |
|--|------------------------|--|
| Set Two-way Audio Mode                                   | 123456U0               |  |
| Set Listening-in Mode                                    | 123456U1               |  |
| Set SOS/BMA Mute Call                                    | 123456U2               |  |
| Set SOS/BMA Audio Call                                   | 123456U3               |  |
| Turn on GPS Power  | 123456U4               |  |
| Turn off GPS Power                                       | 123456U5               |  |
| Set GPRS Traffic Saving Mode                             | 123456U6               |  |
| Set GPRS a Fixed Time to Upload Data                     | 123456U7               |  |
| Set GPS a Powerful Mode without Cutting off Power Source | 123456U8               |  |
| Set GPS a Power Saving Mode                              | 123456U9               |  |
| Set Phone Call Mode                                      | 123456V3x,phone number | 123456V30,18588955622<br>x=0 means call out in two-way audio mode;<br>x=1 means call out in one-way monitoring mode; |
| OTA Upgrade  | 123456UVxxxx           | 123456UV<br>xxxx means the upgraded version, without suffix, it means upgrading to the newest version.               |
| Set Phone Call Volume                                    | 123456Vxxx             | 123456V100<br>xxx: Voice volume≤100  |
| Set Device Name  | 123456Z2,xxx           | 123456Z2,John  |
| Reset the device   | RESET!                 | This Command can only be set via SMS or GPRS   |
| Reboot the device  | RESET!1                | This Command can only be set via SMS or GPRS   |

Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.





1. Keep the unit inside part dry when opening the back cover to put in the SIM card. Any liquid, i.e. rain, or moisture, may destroy or damage the inside circuitry.
2. Don't put the unit in overheated or overcooled places.
3. Handle carefully. Don't vibrate or shake it violently.
4. When the unit is touched with water, clean it with a piece of dry cloth. Don't clean in chemicals, or detergent.
5. Don't paint the unit, this may cause some foreign materials left in between the parts.
6. Please don't disassemble or refit the unit. The system should be installed by technical personnel.
7. Please use the battery and charger provided by the manufacturer. Using other batteries and chargers will cause unwanted situations.
8. This product should be used in the normal condition of GPS signal and GSM signal. If not, it will result in the inability to locate (GPS) or locate data that cannot be transmitted (GSM).
9. The product has position tracking and listen-in functions, the user must use it within the legal limit. If the user illegally use it (such as Invasion of privacy) that lead to damage of others' rights and interests, the consequences are the user's responsibility.
10. This product is obtained by satellite to get the position information. Position data drift is normal, because it is limited by satellite positioning transmission characteristics.