材质：105克铜版纸
尺寸：7*11cm

## 1. Inside the Box

- GPS tracker
- Charger
- Charging cable
- User manual
- Strong magnetic bracket(Optional)

## 2. Overview

### 2.1 Main Features

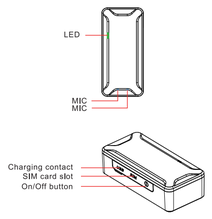
- GPS + LBS + WIFI positioning
- Strong magnet installation
- Sound alarm
- SIM change alarm
- Voice monitoring

### 2.2 Specifications

| | |
|---|---|
| Frequency | 850/900/1800/1900MHZ |
| Location Accuracy | <10 meters |
| Monitoring range | ≤5 meters |

| | |
|---|---|
| Charging voltage/ current | DC5V/500mA |
| Battery | 1000mAh/3.7V industrial grade Li-Polymer battery |
| MIC | 1 MIC is for voice monitoring, the other is for sound alarm |
| LED | 1 bio-color LED |
| Standby time | 1. Tracking mode (GPRS is always connected,and GPS is waked up by vibration): ≥14 hours<br><br>2. Sleep mode (GPRS is always connected and GPS sleeps): ≥7 days |
| Dimension | 65*30.5*18mm |
| Weight | 61.5g (with magnetic cover) |

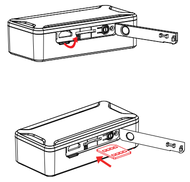
## 3. Appearance




## 4. SIM card

### 4.1 Insert the SIM card

1). SIM should be inserted correctly.
2). SIM card should have GPRS service.
3). Please power off the device when you insert the SIM card.




### 4.2 LED Indication

**Power (Red)**

| Status | Meaning |
|---|---|
| Flicker quickly ( every 0,3 seconds) | Low battery |
| Flicker slowly ( 0,1s on; 2s off) | Device is fully charged /Work normally |
| Always ON | Charging |
| Off | Device power off /No battery/Sleep |

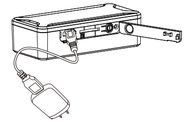
**GSM (Green)**

| Status | Meaning |
|---|---|
| Flicker quickly | GSM initialization |
| Flicker slowly ( 0,1s on; 2s off) | Network is OK/On line |
| Off | Device power off |

**Note:**
1. When device is turned on, LED will be off in 1 minute. Momentarily press ON/OFF button to light up LED for 20 seconds.
2. In sleep mode, LED is off.

## 5. Charging

Connect the device to the original charging connector and charging cable.



## 6. Operations and functions

### 6.1 Power on/off

Hold and press the ON/OFF button for 3 seconds to power/off the device.

### 6.2 APN setting

Please send SMS command to the number of terminal so as to set up the APN parameter. The terminal will reply "OK" automatically after setting successfully.

Send SMS command: APN,APN name#
e.g: APN,internet#

NOTE:
The APN of some countries have user name and password, you may need to send SMS command as following:
Send SMS command: APN,APN name,user name, password#
e.g: APN,internet,CLIENTE,AMENA#

### 6.3 SOS number

(1) Add SOS number

SOS,A,number1,number2,number3 #(A means add number).
You could set 3 SOS numbers in maximum. If set successfully, the terminal will reply "OK".
e.g. SOS,A,13510****60,135116****6,136126****8# (set all 3 SOS numbers)
SOS,A,13510****60# (set the first SOS number)
SOS,A, ,135116****6# (set the second SOS number)
SOS,A, , ,136126****8# (set the third SOS number)

(2) Delete SOS number
SOS,D,1,2,3# (D means delete SOS number)
e.g. SOS,D,1# means delete the first number
SOS,D,3# means delete the third number
If you do not know the sequence number, you can also delete the number by SMS command like this: SOS,D,number#

e.g. SOS,D,13527852360# means delete this SOS number directly.
It will reply "OK" if the number is deleted successfully.

(3) Query current SOS number
SOS#
You can set SOS number via the platform after the device is activated.

### 6.4 Voice monitoring

Send SMS command MONITOR# by preset SOS number to the device to monitor.

### 6.5 SIM change alarm

If the SIM card inserted has changed, the device would send a SIM card change alert to the pre-set SOS numbers.
SMS command: SIMALM,X,M#
X=ON/OFF; ON: turn on the alarm, OFF: Turn off the alarm
M=0～1; alarm mode, 0: GPRS only, 1:SMS+GPRS, M=2 GPRS+SMS+phone call; M=3 GPRS+phone call; default: 1;

Query the current parameters: SIMALM#

### 6.6 Record

Send SMS command LY,A#by preset SOS number to the device to record.
A means recording time, range: 10~300 seconds, default: 60 seconds.

### 6.7 Sound alarm

If the noise is above 60db, the device would send alarm to the pre-set SOS numbers.
SMS command to set sound alarm: SODALM,A,M,N,P,Q#
A=ON/OFF; default value: OFF

M=0~2; 0: GPRS+ automatic recording; 1: GPRS only; 2: GPRS+voice monitoring; default 2
N=Time for sound alarm triggered,the range is 1-10 seconds, Default: 3 seconds
P= Interval of sound alarms,ranging from 1-60 minutes. Default: 2 minutes.
Q= Automatic recording time,ranging from 10-600 seconds. Default: 60 seconds.

Query the current parameters: SODALM#

## 7. Working mode setting

(1) WIFI positioning mode & Positioning in a regular time interval
SMS command: MODE,A,T#
A=1~2; 1: WIFI positioning mode; 2: Positioning regularly mode; Default mode: 1;
T=10~86400; upload interval,unit: second; default: 600;

(2) Deep sleep mode
MODE,3,T1,T2#
T1 = Start time to wake up the device, format (HH: MM), default start time 00:00;
T2 = Interval; range 1~72 hours, default 24 hours;

## 8.Tracking platform/APP

Please login tracking platform or APP of Android/IOS authorized by distributor.

## 9.Trouble shooting

The following trouble shooting for your reference.

| Common problems | Causes | Solutions |
|---|---|---|
| Bad signal | Radio waves cannot communicate with device when it is used in a bad signal area, like basement or space besides tall building. | Put it in somewhere with good signal |
| Fail to power on | Low battery | Charging |
| | Damaged SIM card slot | Contact supplier to replace SIM card slot |
| Fail to connect to the network | SIM card installed incorrectly | Check the SIM card |
| | The sheet mental of SIM card is dusty | Wipe with a clean wiper. |
| | Damaged/Invalid SIM card | Contact your internet service provider |
| | Out of GSM service area | Move back to the GSM service covered area, |
| | Weak signal | Try again in a strong signal area |
| Fail to check location | SIM card has no access to GPRS service | Please contact SIM card sell service to activate GPRS functions |
| | Overdue SIM card | Recharge |
| Invalid parameters | No reply | Check network and make sure the SIM card has SMS service |

## 10. Caution & Notice

1. SOS number should be preset if you are willing to receive alert message.
2. If put indoors or covered, the device may be unable to locate, please take it to open field.
3. Use of the device in the fire or water is strongly prohibited.
4. Do Not bend or disassemble the battery and the device.
5. Please use the original battery. The warranty will be invalid by using any other accessory. The manufacturer will not take any responsibility for any damage caused by not using the original battery.
6. For any questions, please contact the customer service.

## Warranty Instructions and Service

1. The warranty is valid only when the warranty card is properly completed, and upon presentation of the proof of purchase consisting of original invoice indicating the date of purchase, model and serial No.of the product. We reserve the right to refuse warranty if this information has been removed or changed after the original purchase of the product from the dealer.

2. Our obligations are limited to repair of the defect or replacement the defective part or at its discretion replacement of the product itself.

3. Warranty repairs must be carried out by our Authorized Service Centre. Warranty cover will be void, even if a repair has been attempted by any unauthorized service centre.
4. Repair or replacement under the terms of this warranty does not provide right to extension or renewal of the warranty period.

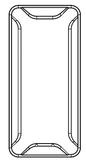
5. The warranty is not applicable to cases other than defects in material, design and workmanship.

## Maintenance Record

| Date | | Serviced by | |
|---|---|---|---|
| Product Model | | | |
| IMEI Number | | | |
| Fault Descriptions | | | |
| Comments | | | |

# Mini GPS Tracker User Manual

(Version 1.0)



Please read this manual carefully before operation. Pictures are for indication and illustration purposes only.