

### 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 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

### 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
Fail to check location	Out of GSM service area	Move back to the GSM service covered area.
	Weak signal	Try again in a strong signal area
	SIM card has no access to GPRS service	Please contact SIM card sell service to activate GPRS functions
Invalid parameters	Overdue SIM card	Recharge
	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	

### Information to Users

According to the FCC Part 15.19, 15.21, and 15.105 rules, for this EUT, the instructions or operation manual furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

### FCC RF Exposure Information and Statement

This device meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health. The SAR limit of USA (FCC) is 1.6 W/kg averaged. Device types: Asset GPS tracker (FCC ID: 2AMLFAT2 ) has also been tested against this SAR limit. SAR information on this and other pad can be viewed on - line at <http://www.fcc.gov/oet/ea/fccid/>. Please use the device FCC ID number for search. This device was tested simulation typical 10mm to body. To maintain compliance with FCC RF exposure requirements, use accessories should maintain a separation distance between the user's bodies mentioned above, the use of belt clips,

holsters and similar accessories should not contain metallic components in its assembly, the use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

### FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:  
(1) This device may not cause harmful interference, and  
(2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off

and on, the user is encouraged to try to correct the interference by one or more of the following measures:  
- Reorient or relocate the receiving antenna.  
- Increase the separation between the equipment and receiver.  
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.  
-Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## Mini GPS Tracker User Manual

(Version 1.1)

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