

## 1. Overview

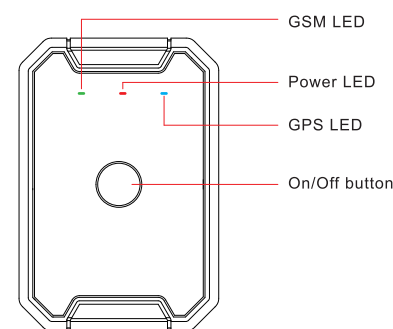
### 1.1 Main Features

- GPS + LBS + WIFI positioning
- IP67 dust and water proof(Device waterproof performance will be weakened if the SIM inserted by customers.)
- Tamper alert
- 6000mAh battery
- Strong magnet installation
- Fast charging

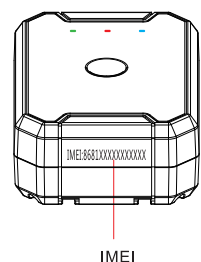
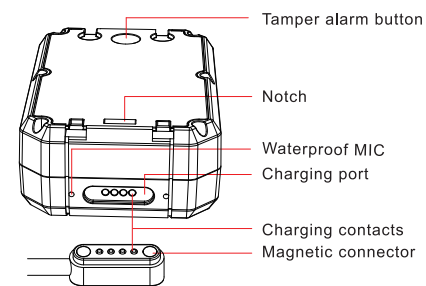
### 1.2 Specifications

Frequency	850/900/1800/1900MHz
Location Accuracy	<10 meters
Working voltage/ current	3.7V/60mA
Battery	6000mAh/3.7V industrial grade Li-Polymer battery
MIC	√
LED	Power (red), GPS(blue), GSM(green)
Standby time	25 days
Working time	100 hours (GPS data uploaded in every 10s)

## 2. Appearance



Dimension	85.0 (L)*58.0 (W)* 29.00(H)mm
Weight	230g (with magnetic cover)



## 3. Accessories

Device	1
Magnetic cover	1
User guide	1
Charger	1
Charge cable	1
Collar	Optional

## 4. Indicators

### Power (Red)

Status	Meaning
Flicker quickly ( every 0.3 seconds)	Battery low
Flicker slowly ( 1s on; 3s off)	Fully charged
Flicker slowly ( 0.1s on; 3s off)	Device works normally
Always ON	Charging
OFF	No battery/Malfunction

## GPS (Blue)

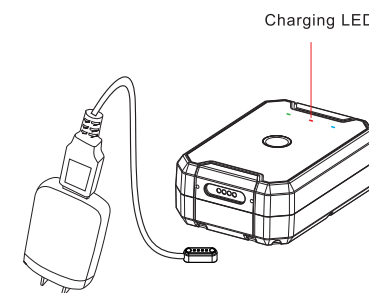
Status	Meaning
Flicker quickly ( every 0.3 seconds)	Searching GPS
Flicker slowly ( 0.1s on; 3s off)	GPS is positioning
OFF	GPS is normal

## GSM (Green)

Status	Meaning
Flicker quickly ( every 0.3 seconds)	GSM initialization
Flicker slowly ( 1s on; 3s off)	GSM signal is normal
Flicker slowly ( 0.1s on; 3s off)	GPRS online
Always ON	Calling
OFF	No GSM signal/ No SIM card

## 5. Charging

Please charge the device by original charger. It takes about 3 hours to fully charge the device.

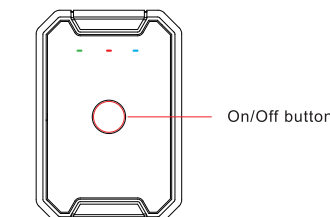


## 6. Operation and functions

### 6.1 Power on/off

Power on: Press and hold the ON/OFF button for 3 seconds, and the LEDs will flicker regularly if the device power on successfully.

Power off: Press and hold the ON/OFF button for 3 seconds and the LEDs will be off in 2 seconds.



Note:

1. Press the ON/OFF button and the LED will flicker for 15 seconds if the device power on successfully.
2. Press the ON/OFF button and nothing will happen if the device power off successfully.

### 6.2 SOS number

(1) Add SOS number

SMS command:

[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.

### 6.3 Working mode setting

(1) Positioning in a regular time interval

SMS command: [MODE,1,T#](#)

T is the GPS working time interval, range: 0/5-7200 minutes. Default: 30 minutes Sensor will be invalid in this mode.

(2) Power saving mode

[MODE,2,T#](#)

T is the GPS working time interval, range:10-1800 seconds. Default: 10 seconds

(3) Deep sleep mode

[MODE,3,T1,T2#](#)

T1 is the start time of waking up the GPS, format:

HH:MM (Eg: 10:05)

T2 is the wake up time interval (Eg: 1 hour, 2 hours, 3 hours...). Default is 24 hours.

Range: 1-24 hours

### 6.4 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#](#)

### 6.5 Tamper Alert

Alert will be sent if the device is disassembled or removed.

In standby mode, alert message will be uploaded and tracking mode will be activated for 20 minutes if device dis-assembly is detected. After 20 minutes, device enters into ultra-long standby mode. Dis-assembly alert can be turned off by command: [cancel#](#)

### REMALM,A,M#

A=ON/OFF; default: ON

M=0~3; alarm way, 0: GPRS, 1 SMS+GPRS; M=2

GPRS+SMS+ phone call; M=3 GPRS+phone call.

Default: 1;

### 6.6 Voice monitoring

When SOS number sends monitor command:

[MONITOR#](#) to the device, the device will reply "OK"

and call the SOS number. After the call connected, the

terminal will enter monitor condition. The SOS number can

hear the sound around the terminal.

For more operation, please refer to the full command

list.

## 7. Platform & APP

### 7.1 Login service platform

Please login the designated service platform to set and operate the device.

### 7.2 Download APP

Please download and install the APP in designated website, APP store or Google Play store.

### 7.3 Warning

Battery specified by manufacturer is recommended.

Maintenance or service arising from any other

accessories is not guaranteed.

Manufacturer assumes no responsibility for any

damage caused by non-original accessories.

Do not bend or open the battery.

Do not immerse or burn the battery.

Device dis-assembly is strongly forbidden.

Nonprofessionals' operation may cause device

damage.

### 7.4 Troubleshooting

If you are having trouble with your device, try these troubleshooting procedures before contacting a service professional.

Problems	Causes	Solutions
Poor signal	The signal waves are unable to transmit when use the GPS tracker in the places that have poor signal reception, such as: tall building around or basement.	Using the GPS tracker in the places that have good signal condition.

Unable to boot	Power switch is off	Switch to ON
	No battery	charge
	No SIM card	Insert SIM card
Unable to connect to the network	SIM card inserted incorrectly	Check SIM card
	Dirty things exist above the SIM card	Clean SIM card
	Invalid SIM card	Contact network supplier
	Not in GSM service area	Move to service area
Fail to locate	Poor signal	Move to area with strong signal
	SIM has no access to GPRS	Contact network supplier to get GPRS service
Fail to locate	Always reply "Address inquiry failed"	Contact supplier

## 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 of 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			

## Asset GPS Tracker User Guide

(Version 1.1)

