

# 太阳能GPS定位器 Solar GPS Tracker



## Multiple Tracking System



Android APP



IOS APP

扫码或搜索“Amber360”安装app

### 重要提示,请认真阅读:

- 所有 GPS 定位相关的产品都会因外在因素产生误差,因此本机提供位置信息仅供参考。
- 因为电信运营商的缘故,在部分情况下,信息传送可能会延迟,本公司对使用者的人身和财产安全负责。

### 主要功能:

- 太阳能无线充电(阳光强度决定充电效率)
- 防水等级 IP66
- SOS 一键求助,双向通话
- 智能防拆报警
- GSM 四频 +GPS 全球定位
- WIFI 定位及防丢技术,室内精度可达 30 米
- 网站平台/手机 App/微信/SMS 查询位置信息
- 轨迹回放/电子围栏
- 语音监护
- 低电量报警

### 产品规格:

- GSM频段: 850/900/1800/1900MHz
- GPRS标准: Class 12, TCP/IP
- GPS定位时间: 冷启动 30sec(户外开阔天空)  
温启动 29sec(户外开阔天空)  
热启动 5sec(户外开阔天空)
- GPS定位精度: 10-15米(户外开阔天空)
- Wi-Fi定位精度: 0-30米(有Wi-Fi信号覆盖情况下)
- 工作温度: -20°C ~ +45°C
- 工作湿度: 5% ~ 95% RH
- 产品尺寸: 65(长)x50(宽)x17(高)mm
- 产品净重: 64克
- 电池容量: 1500mA

### 配件:

- GPS 定位器主机一台
- 固定支架一个
- 磁铁充电线一条
- 说明书一本

### 产品示意图:



### 第一步: 使用前准备

本产品使用 2G GSM 网络的 Micro-SIM 卡(iphone4 同类型)。并请注意以下事项:

- 在安装或取出 SIM 卡前,请先关机;
- 定位通讯器 SIM 卡需要开通 GPRS 和来电显示功能。

### 第二步: GPS 主机开/关机

- 把侧面装卡槽打开后,按指示方向正确的插入 SIM 卡,并用螺丝锁紧卡槽,以保证防水效果。
- 长按开机键 3--5 秒,底部蓝色和红色灯点亮,并伴有开机铃声,开机成功。
- 开机状态时,连续按开关键 3 下,并伴有关机铃声,则成功关机。

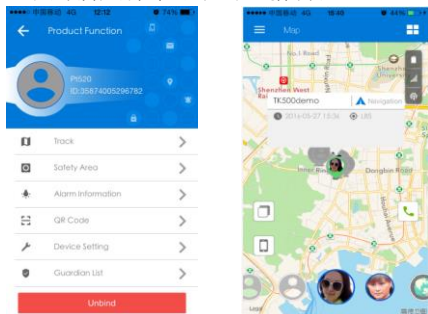
灯	功能	慢闪	快闪	灯灭
蓝色	GPS 指示灯	定位中	定位成功	休眠
红色	GSM 指示灯	搜网中	搜网成功	休眠

### 指示灯说明:

### 第三步: 智能手机 APP 绑定及功能设置

- 扫描封面二维码或苹果商店搜索“Amber360”下载 APP。
- 输入 10 位数 ID 号码,初始密码为 123456,即可登录。

### 3. 确认设备在线,即可进行对应的指令设置。



### 4. 功能介绍

- **实时追踪:** 实时显示设备最新的定位位置。
- **历史轨迹:** 分时段查看设备的历史轨迹。
- **电子栅栏:** 设置或者取消电子栅栏区域.请按定位精度调整电子栅栏范围。
- **Wi-Fi 围栏:** 可以设置 2 个 Wi-Fi 安全区域.当佩戴的目标离开安全 Wi-Fi 区域.平台立即推送报警信息到 APP。
- **指令设置:**
  - ◆ **设备信息:** 查看和编辑设备的信息。

<	设置	>
设备信息	>	◆ <b>修改密码:</b> 修改登录 App 和网页平台的密码。
修改密码	>	◆ <b>GPS 定位间隔:</b> 调整 GPS 上报位置的间隔,间隔越短,定位越准,但待机时间也相应越短,请按实际需要设定。
GPS 定位间隔	>	◆ <b>主控号码:</b> 用于发送指令及接收报警信息。
主控号码	>	◆ <b>紧急号码:</b> 长按 S 键时将拨打紧急电号 2 次,直到有人接听为止。
设置紧急号码	>	◆ <b>电话簿:</b> 电话簿内的号码可以拨打本 GPS 定位器内手机号码,收听环境声音
电话簿	>	◆ <b>拆除报警:</b> 当定位器被取下时,定位报警器将向主控号码发送报警信息。
拆除报警	>	◆ <b>LED 灯开启/关闭:</b> 打开底部 LED 灯,配合定制项圈可以方便找到牛羊。
LED 灯	>	◆ <b>接听模式:</b>
软件时区	>	a) <b>静音模式:</b> 所有已设定的号码拨打 GPS 定位器号码,在不响铃声的状态下,远程收听 GPS 定位器周围的声音,但不能与 GPS 定位器使用者直接通话。
设备语言时区	>	b) <b>自动接听模式:</b> 所有已设定号码拨打 GPS 定位器号码,在响一声铃声后,远程收听 GPS 定位器周围的声音,并可以与 GPS 定位器持有者直接通话。
远程重启	>	c) <b>手动接听模式:</b> 任意号码拨打 GPS 定位器号码,必须要 GPS 定位器持有者手动按键之后,才能与 GPS 定位器持有者进行通话。
远程关机	>	◆ <b>软件时区:</b> 设置 APP 查看的时区,如果出国使用可跟据当地时区进行设置。

### 为止。

- ◆ **电话簿:** 电话簿内的号码可以拨打本 GPS 定位器内手机号码,收听环境声音
- ◆ **拆除报警:** 当定位器被取下时,定位报警器将向主控号码发送报警信息。
- ◆ **LED 灯开启/关闭:** 打开底部 LED 灯,配合定制项圈可以方便找到牛羊。
- ◆ **接听模式:**

- 静音模式:** 所有已设定的号码拨打 GPS 定位器号码,在不响铃声的状态下,远程收听 GPS 定位器周围的声音,但不能与 GPS 定位器使用者直接通话。
- 自动接听模式:** 所有已设定号码拨打 GPS 定位器号码,在响一声铃声后,远程收听 GPS 定位器周围的声音,并可以与 GPS 定位器持有者直接通话。
- 手动接听模式:** 任意号码拨打 GPS 定位器号码,必须要 GPS 定位器持有者手动按键之后,才能与 GPS 定位器持有者进行通话。

- ◆ **设备语言时区:** 设置 GPS 设备报警短信的语言,有中文及英文可选,时区可以不设置。
- ◆ **远程重启:** 通过 APP 重启 GPS 定位器。
- ◆ **远程关机:** 通过 APP 关闭 GPS 定位器电源.关机后将不能远程启动,请谨慎使用本功能。
- **设备消息:** 列表显示 GPS 定位器的报警信息。
- **报警提醒:** 是否接收报警信息的 APP 推送。
- **注销:** 退出 APP 程序,不再接收 APP 的报警推送。

更多 APP 及平台详细功能请登录 [www.thinkrace.cn](http://www.thinkrace.cn) 了解!

### 实时通话

**拨出电话:** 按 S 键 5 秒钟,设备会向主控号码发送报警短信,及

### 向 3 个紧急号码拨打电话。

**接听电话:** 当有来电铃声响起时,按 S 键可以接听电话,按开机键拒接来电。

### 短信指令:

**所有指令中的字母全部小写,标点为英文状态下的逗号,并且都以#号为结束符。**

### 绑定主控号码:

短信指令: pw,123456,center,电话号码#

例如: pw,123456,center,180\*\*\*\*\*# 定位通讯器即回复:

**已设置180\*\*\*\*\*为主控号码。**

**特别提示: 其他短信指令必须通过主控号码才能进行设定。**

### 注意事项

- 使用时,将产品的正面(即太阳能面板)朝上,否则太阳能充电无法正常工作。
- 请将本产品安放在网络信号较好的位置使用。
- 新机使用前需将电池充满,以达到最佳的效果。
- 待机时间: 1) 每 10 分钟上传一次定位信息,待机时间为 220 小时,通话时间: 15 小时(实测); 2) 关闭定时上传定位信息,待机时间为约 25 天。**注: 以上测试数据来自 GSM 网络信号强的状态。**
- 本产品防水等级为 IP66,但是仍然不适用于长时间浸泡在水中及配戴游泳。
- 严禁私自打开主机外壳,以免影响防水效果,并失去保修资格。

### 常见问题:

- 问:** 设备插卡后能发送短信,但是在平台及 APP 上显示未启用。  
**答:** 请确认 SIM 卡已经开通了 GPRS 数据功能。
- 问:** 设备显示在线,但用 APP 设置指令时,显示等待设备应答。  
**答:** A.设备信号不良,导致 GPRS 通讯不畅通;  
B.设备正在通话中。
- 问:** 设备 SIM 卡已经开通了 GPRS 功能,但是 APP 依然显示

### 未启用。

**答:** 因为移动和联通升级 3G 和 4G 后针对不同的 SIM 卡有不同的 APN, 可能是预设 GPRS 的 APN 参数不正确。

请先用短信方式绑定主控号码,然后再发送短信指令:

联通卡 :apn,uniwap#,重启后依然不行则改发 :apn,uninet#

移动卡 :apn,cmwap#,重启后依然不行则改发 :apn,cmnet#

### 短信指令表

短信指令	功能
pw,123456,center,电话号码#	设置主控号码
sos1(2,3),电话号码#	设置紧急电话号码
gprsgps,数字#	更改 App 及平台定位追踪功能, 0 为关闭定位追踪功能; 1 为开启定位追踪功能。
von,数字#	开启震动感应防盗报警功能,数字为 0 时,感应关闭,为 1 时,灵敏度最高,数字为 4 时,灵敏度最低。
mod,数字#	报警模式: 0 为上传平台; 1 为报警到电话,短信和平台; 2 为报警到电话和平台; 3 为报警到短信和平台。
url#	查询定位链接。
lsn,数字#	开启底部 LED 灯。0 为关闭; 1 为打开。
removesms,数字#	开启防拆报警。0 为关闭; 1 为打开。
ans,数字#	切换接听来电的方式: 0 按键接听, 1 自动接听,喇叭放音, 2. 自动接听,喇叭关闭
reset#	远程重启 GPS 主机
upload,数字#	更改定时定位的间隔,单位为秒。

# Smart GPS tracker

## Important, please attention:

- Due to external factors all GSM devices have position error, so the position provide by this device just for reference only.
- There may be delays caused by telecom operators at certain circumstance. Our company doesn't assume liability for users' personal and property safety

## App Installation :



Android APP



IOS APP

- (1) Install the app by scan the QR code or searching "Amber360" in the app market.
- (2) Choose "Trust" in iOS system by the steps: Setting-general-profile.

## Main Features:

- GSM quad band network, LBS location
- Solar Wireless charging
- Waterproof IP66
- Website/IOS APP/Android APP/SMS
- SOS alarm, two way voice
- History route/ Geo-fence
- WIFI location and WIFI anti-lost alarm
- Anti-remove alarm
- Voice monitoring
- Low battery alarm
- SIM changing alarm

## Accessories :

- 1\* GPS tracker
- 1\* Magnet USB cable
- 1\* Holder
- 1\* User manual

## Product View :



## Step 1: Prepare for work:

Please choose 2G GSM network-based Micro-SIM card (same Iphone4) for the product. And please note:

- ✧ Please be sure the tracker is turn off before insert or take out the Micro-SIM.
- ✧ Please be sure the GPRS and Caller ID has been activated

## Step 2: Power on

1. Open side card slot, insert the SIM card according to the instruction and lock the slot with screw to ensure waterproof effect.
2. Press the POWER key for 3-5sec, then the tracker will light on with ring.
3. In the state of power-on, press power button for 3 times, then the device will ring and shutdown.

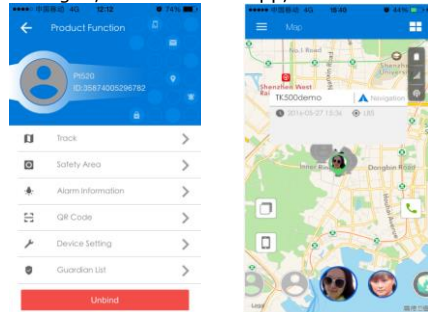
## Indicator light show :

GPS indicator and GSM indicator :

Light color	Function	Slow flash	Fast flash	Close
Blue	GPS indicator	searching	success	sleeping
Red	GSM indicator	searching	success	sleeping

## Step 3: APP binding and function setting:

1. Scan the manual cover QR code or search "Amber360" in APP store & Google play store to install the APP.
2. Enter the 10 figures ID number on the tags behind the device. The default password is 123456, click log in, and enter into App, as shown below:

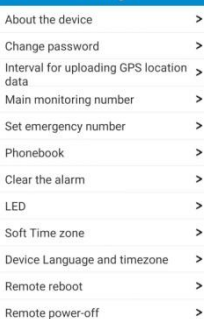


- **Real-time tracking:** Show the last position and trace.
- **Historical route:** Display the historical.
- **Geo-fence:** Set and display Geo-fence area, when the device gets into/out the Geo-fence then it will send an alert.
- **Wi-Fi fence:** Set 2 Wi-Fi safe zones, when wearer leave safe Wi-Fi zones, the App will alert you.
- **Command setting**
  - ◆ **Device info:** Check and mark the device information.
  - ◆ **Change password:** Change the App and web login password.
  - ◆ **Interval for uploading GPS location:** Adjust the time interval of GPS uploading location. Shorter time interval with shorter standby time, more

accuracy location.

- ◆ **Master number:** The master phone number, used to send command and receive alarm.
- ◆ **SOS number:** When press the S button, the device will call the SOS numbers in 2 turn unit you answer.

## Settings



- ◆ **The phone book:** Only the phone numbers of phone book can call the phone number of the device for monitoring.
- ◆ **Anti-remove alarm:** It will send alarm message to the master number when the device was removed
- ◆ **LED light:** Open/close the bottom LED light, easy to find the cow/sheep
- ◆ **Answer mode:**
  - a) Silent monitoring mode: All have set 5 phone numbers dialing the device;

- you can remote listen to the voices around the device at the condition of no bell ring, but can't speak to the device the user.
- b) Auto answer mode: All setting phone numbers dialing the device, after a bell ring, you can remote listen to the voice around the device and speak to the user
- c) Push to talk mode: Any number dialing the device number, only after the user press the button, you can speak to the device user
- ◆ **Soft time zones :** This is for APP time; users can set it according to local time zone.
- ◆ **Device language time zone:** This is for device alarm SMS language, Chinese and English can be chosen. Time zone can set.
- ◆ **Remote reboot:** Through App to power off

device.

- ◆ **Remote power-off :** Through App to power off device. It can't remote restart when power off.
- ◆ **Device message :** List shows alert information of device.
- ◆ **Alarm setting :** Get the remind via APP when alarm ;
- ◆ **Log out:** Log out the APP, and never get the alarm remind via APP.

## Real-time call

Press S button for 5seconds, then make SOS alarm, it will send SMS to master number, and then make call to SOS number 2 times in turn.

## Answer incoming call:

Press S button will answer the incoming call, press power key will refuse the incoming call.

**Please log on <https://www.thinkrace.com> to learn more details of APP and platform.**

## All functions also can set by SMS command.

All command use in lowercase letters, without any blank space and ending by #.

Command for setting master number:

pw,123456,center,number#

For example: pw,123456,center,180\*\*\*\*\*#

The tracker will reply: 180\*\*\*\*\* has been set for the master number successfully.

## Remark :

- Please make sure the solar panel upward when used, otherwise the solar charger can't work .The tracker will boot automatically when it is charging. Put the tracker in network signal better position

when use.

- In order to achieve the best effect, Please charge full the battery before use.
- Standby time : Upload location date every 10 minutes ,the standby time is 220 hours ,talking time is 15 hours (Actual test) ; 2 ) Turn off APP and web platform function, the standby time is about 25 days. Note: Above test data is under the status of strong GSM network.
- This product is waterproof IP66, but still not suitable for soaking in the water or wear to swimming.
- Please do not open the case, So as not to affect the waterproof effect and loss the warranty rights.

## FAQ:

Q: After inserting a SIM card, it can get SMS command, but it display logoff or offline on the platform and APP.  
A: Please check that SIM Card has GPRS data plan.

Q: After set white list, cannot monitor.  
A: Please make sure the SIM card of the device has opened caller ID.

Q: Device show online, but it shows "wait for the device responses "when you set instruction with APP.  
A: a. Device signal is not good, so not smooth result of GPRS; b. Device is busy.

Q: The SIM card has GPRS data plan, but the device still show "logoff" or "offline".  
A: The tracker have pre-program all most APN,

maybe the APN of the SIM card you use don't preset in the tracker, Please set master number first and then send command to add you APN into the tracker.

The command is: apn,apndata#

## Command for SMS setting

Command	Function
pw,123456,center,number#	Set master number
sos1(2,3),number#	Set the SOS phone number
gprsgps,digital#	Set tracking function. 0 is turn off tracking function;1 is on.(factory default)
von,digital#	Set the vibrating sensor burglar alarm.0 is off; 1 (2,3,4)is on, level 1 is the most sensitive and level 4 is the least sensitive;
mod,digital#	Set the method of burglar alarm,1phone calls&messages,2only phone calls,3only messages
lsn,digital#	Set the LED light;0 is off,1 is turn it on.
url#	Check the location.
removesms,digital#	Set the remove sensor ,0 is off; 1 is turn it on.
ans,digital#	Set the incoming call answer mode:0 is push to answer ;1 is auto answer;2 is silent mode.
reset#	Remote restart GPS host
upload,digital#	Setting interval of the position data upload the unit is minutes