

RF-V40



3G 多功能GPS定位器 Smart GPS Tracker



Android APP

IOS APP

扫码或搜索“Amber360”安装 app

本操作手册将帮助你快速的了解 GPS 定位器的使用方式，请使用前认真阅读。

- 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：

- 防水等级 IP66
- 智能 LED 跑马灯,可随环境光线自动开启
- 3G +GPS+wifi 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：

2G GSM频段：850/900/1800/1900MHz
3G WCDMA频段：1700/2100MHz
850/2100MHz(二选一)

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)
WiFi定位精度：0-30米(有WiFi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：56(长)x60(宽)x16(高)mm
产品净重：45克
电池容量：700mA

配件：

- GPS 防丢器主机一台
- USB 磁吸式充电线一条
- 充电背夹一条
- 说明书一本

产品示意图：



第一步：使用前准备：

- 本产品 GPS 定位功能需要使用 3G WCDMA 网络的 Micro-SIM 卡(iphone4 同类型)，并请开通来电显示及数据流量,关闭 PIN 码功能。

第二步：GPS 主机开/关机

- 把侧面胶塞打开后，按指示方向正确的插入 SIM 卡。
- 长按开机键 3--5 秒，开机成功。（正面蓝色和红色灯点亮）
- 开机状态时，连续按开机关键 3 下，正面蓝色及红色灯同时闪 3 次，然后熄灭，则成功关机。

指示灯说明：

- GPS 指示灯和 GSM 指示灯详情：

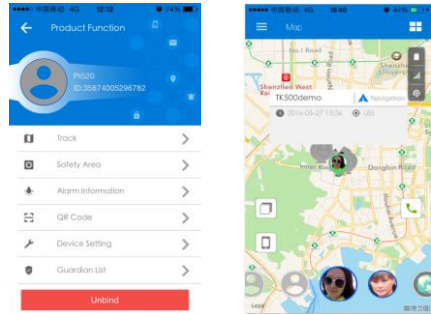
灯	功能	慢闪	快闪	灯灭
蓝色（左二灯）	GPS 指示灯	定位中	定位成功	休眠
红色（左三灯）	GSM 指示灯	搜网中	搜网成功	休眠

- GPS 主机正面 4 个四色 LED 灯跑马灯,天黑时,自动开启 LED 闪灯,以便您更容易观察到佩戴目标的活动状况，如下图。



第三步：智能手机 APP 绑定及功能设置：

- 扫描说明书中的二维码，或在苹果商店搜索“Amber360”，下载 APP 手机客户端。
- 输入 GPS 防丢器机身后面贴纸上的 10 位数 ID 号码，初始密码为 123456，点即登录，即可进入 APP，如下图：



- 实时追踪：**显示 GPS 防丢器最后一次的定位位置，点击更新定位信息即可更新到最新的定位信息。
- 历史轨迹：**分时段查看 GPS 防丢器的历史轨迹，可查看 90 天内任意一天的历史轨迹；查看时可以选择是否过滤 LBS 基站定位数据。注：LBS 为室内定位数据，误差较大。
- 电子围栏：**增加，查看或者取消电子围栏区域，当 GPS 防丢器进入或者出去电子围栏区域时，定位平台立即推送报警信息到 APP。注：建议电子围栏半径大于 100 米，以减少误报。
- Wifi 围栏：**可以设置 2 个 WiFi 安全区域,当佩戴的目标离开安全 WiFi 区域,平台立即推送报警信息到 APP。
- 设置：**配置 GPS 防丢器产品参数(此功能必须要确认 GPS 防丢器处于在线状态，否则指令不能正常发送给 GPS 防丢器。)如下图：



- 设备信息：**查看并编辑 GPS 防丢器的信息。
- 修改密码：**修改 APP 和网页平台的登录密码。
- GPS 定位间隔：**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。一般建议 10 分钟定位一次，如果在找追踪目标时，临时调整到 30 秒定位一次，找到后再调回到 10

- 分钟或 1 小时定位一次，以保证能更持久的待机时间。
- 4.主控号码：**用于发送指令及接收报警信息。
- 5.白名单号码及电话簿：**白名单及电话簿内的号码可以拨打本 GPS 防丢器内手机号码，收听环境声音。
- 6 感应灯：**当设备周围环境的亮度暗下来或进入黑暗地域时，LED 灯自动开启，更容易找到佩戴目标。(开启 LED 灯会影响待机时间，出厂默认为关闭)
- 7.软件时区：**设置 APP 查看的时区，如果出国使用可根据当地时区进行设置。
- 8.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。
- 9.远程重启：**通过 APP 重启 GPS 防丢器。
- 10.远程关机：**通过 APP 关闭 GPS 防丢器电源，关机后将不能远程开启，请谨慎使用。
- 设备消息：**列表显示 GPS 防丢器的报警信息。
- 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 了解！

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。

短信指令	功能
pw,123456,center,电话号码#	设置主控号码
factory#	删除所有号码,恢复出厂设置
gprsgps,数字#	0为关闭 GPS 定位追踪功能,GPS 始终处于休眠状态，GSM 处于待机状态 1为开启 GPS 定位功能（出厂默认）
dw#	查询定位信息
lsn,数字#	0为关闭 LED 跑马灯； 1为开启 LED 跑马灯（出厂默认）
lz,1,8#	设备短信语言，1为中文，0为英文，第二个数字为时区，出厂默认为东8区。
reboot#	远程重启 GPS 主机
apn,apn 参数#	设置手机卡 apn 资料

注意事项：

- 请将本产品安放在网络信号较好的位置使用。
- 新机使用前需充电2小时，以达到最佳的效果。使用产品时，为了避免降低电池寿命，请每三个月充、放电一次：完全放电、完全充电的循环操作。
- 待机时间：1) 每10分钟上传一次定位信息，待机时间为60小时，通话时间：4小时（实测）；2) 关闭定时上传定位信息，待机时间为约10天。注：以上测试数据来自网络信号强的状态。
- 插卡及充电后，请将胶塞整齐的扣进胶塞孔内，一定要与壳料齐平，否则会影响防水效果。
- 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。
- 请不要私自打开主机外壳，否则会影响防水效果，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:**设置白名单后，不能进行语音监护。
答:如果 SOS 号码与 GPS 防丢器卡号之间为集团短号，绑定号码时请输入对应的集团短号号码，并确定 RF-30 卡已经开通来电显示功能。
- 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。

Smart GPS tracker

This operation manual will help you be familiar with the use of our GPS tracking device. Please read carefully before use!

Important, please attention :

1. Due to external factors all GPS devices have position error, the position provided by this device is just for your reference .
2. There may be delays caused by telecom operators at certain circumstance. Our company doesn't assume any loss caused by the delay .

App Installation :



Android 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.



iOS APP

Main Feature :

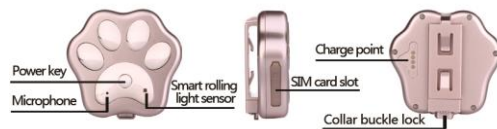
- WCDMA 3G + GSM +Wifi Global Locating
- Waterproof grade IP66
- Smart rolling LED light on/off according to surroundings
- WiFi safety zone ,30m indoors accuracy
- Tracking via Website / APP/ Wechat / SMS
- Trajectory playback / Geo-fence

- Voice monitor &Low battery reminders

Accessories :

- 1* GPS anti-lost host
- 1* USB Magnetic charging cable
- 1* Back splint charger
- 1* User manual

Product View :



Instructions

Step 1. Prepare for work :

The GPS positioning function of this device request to choose 3G WCDMA network-based Micro-SIM card (same as Iphone4) and please be sure the GPRS data traffic and Caller ID functions have been activated, and close the PIN code function.

Step 2. Host power on /off :

1. Please insert the Micro-SIM card into the card slot as directed.
2. Press the POWER key for 3-5sec, then the tracker lights on. (Blue and Red)

3. In the state of power-on ,press power button for 3 times ,the front blue and red lights fast flash 3 times and off, then the device has shutdown.

Indicator light instructions :

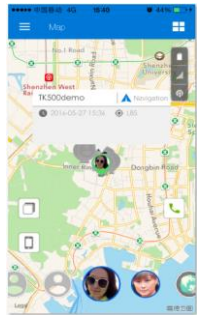
Light color	Function	Slow flash	Fast flash	Close
Blue -left 2	GPS indicator	locating	success	sleeping
Red-left 3	GSM indicator	network searching	success	sleeping

1. GPS indicator and GSM indicator lights :
2. Four smart rolling LED light with tri-colors : when the environment gets dark, LED flash on automatically. Wearer's activity status becomes easier to be observed.



Step 3. APP banding and function setting :

1. Scan the QR code on manual cover or search "Amber360" in iOS store &Google play store to install the APP.

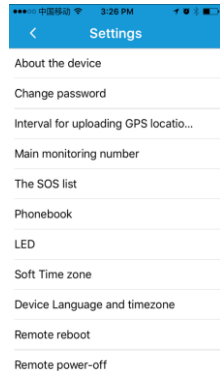


2. Enter the 10-figures ID number on the back of the device.The original password is "123456", click log in,and enter App, as shown in picture above:

- **Real -time tracking :** Show the latest location of the device: Click update location information to see relevant information.
- **Historical route :** Display historical route in certain period of the device: You can check any day in previous 90 days' historical route.You can choose whether to filter out LBS location data.(note:LBS

means the location data indoors, error is large)

- **Geo-fence :** Add ,check or cancel Geo-fence area: When the device moves into or out of the Geo-fence, the location platform will send an alert to App.(Note:we suggest to set the radius of Geo-fence over 100 meters to reduce false alerts.)



- **Setting :** Set parameters of the device(make sure that the device is online,otherwise the command can not be sent to the device.)as shown in photo on the right:

- 1.**About the device :** Check and edit information of the device.
2. **Change password :** Change log in password of the website platform and App.
3. **Interval for uploading GPS location :** Adjust the time interval of GPS uploading location.The shorter time interval is, the more accurate the location is. Meanwhile, the standby time is shorter. We suggest every 10 minutes or every hour uploading location.If you are tracking targets,adjust to every 30sec uploading location,when target found,turn back to 10 minutes or 1 hour to keep longer standby time.
- 4.**Main monitoring number :** The master number can send command and receive alarm.
- 5.**The white list and phonebook :** Only the phone numbers on white list or phonebook can call the phone number of the device for monitoring .
- 6.**Sensor lights :** When the environment gets dark,

LED light flashes automatically, the wearer will be easier to be found.(factory setting shut down the LED lights to save standby time)

- 7.**Time zone of software :** This is for APP time , users can set it according to local time zone.
 - 8.**Device languages:** The device's alarm SMS languages includes Chinese and English so far.
 - 9.**Remote reboot:** Power on the device via APP
- **Remote power-off :** Power off the device via APP.(once conduct remote power-off, users will be not able to remote power-on it. Please be cautious to use the function.)
 - **Device message :** A list shows alert information sent by the device.
 - **Alarm setting :** Whether receive the pushed alert information from APP.
 - **Log out :** Log out the APP, and never get the alarm reminders via APP.

For more details of APP and platform functions, please visit our website: <https://www.thinkrace.com>

SMS commands:

All command should be written in lowercase letters, without any blank space and end with "#".
Command for setting master number :
"pw,123456,center,number#"
For example : pw,123456,center,180*****#
The tracker will reply : 180***** has been set as the master number successfully.
Special tip:The setting of other sms comands can be set only by the master number. (A form of more sms setting can be found in the end of this manual.)

Remark :

- ◆ Please put the tracker in the place where network signal is strong.

- ◆ The new device needs to be charged for 2 hours before use.During use of the device, please fully charge and discharge it at least once every 3 months to avoid battery life reduction.
- ◆ Standby time : 1) Upload location data every 10 minutes ,the standby time is 60 hours ,talking time is 4 hours (Actual test) ; 2) Turn off APP and web platform function, the standby time is about 10 days. Note: Above test data is base on the status of strong GSM network.
- ◆ After you insert the SIM card and charge the device, please put back the rubber plug into it's hole, or it will affect waterproof effect.
- ◆ This product has waterproof grade IP66, but it is still not suitable for dipping in the water or being worn while swimming.
- ◆ Please do not open the host yourself ,or it will affect the waterproof function and lose the warranty rights.

FAQ :

Q: My GPS tracker can make calls and send message, but the APP shows "not enable"

A: There are several reasons as follow:

1. GPRS function hasn't been activated yet;
2. Turn off GPS tracking
3. Send "dsp#" to check the GPS tracker current GSM signal, if the GSM signal is not strong, GPRS will be affected firstly, next is the text, last is the voice communication. In brief, the GPRS signal is weak, the situation is like the one when we can make a call but can not visit a webpage;
4. Please set APN as follows:
 - 1) Set master number first,the SMS command is "pw,123456,center,your phone number#"
 - 2) Please try to find the apn data from the SIM card's official website and then send the SMS command as follow: "apn,apndata#"
 - 3) If the APN needs user's name and password, for example: the user's name is "cm", password is "123",

then the SMS command is "apn,apndata,cm,123,,";

- 4) If you get a reply, then restart the device.
- 5) If the APP still show"not enable"please call the telecom operator to get the APN data.

P.S: APN reference website: <http://wiki.apnchanger.org/>

Q: After white list set, voice monitoring is unavailable.

A: If the SOS master number is group cornet number with the number of GPS device,enter group cornet number when binding numbers,and make sure the SIM card of the device has caller ID display function.

Q: Device shows online, but it shows"wait for the device responses"when you set comand with APP.

- A: a. Device signal is not strong, result in blocked GPRS data;
b. Device is busy in talking online.

The SMS command list:

Command	Function
pw,123456,center,nu mber#	Set master number
factory#	Delete all number , restore factory default
gprsgps,0#	Close gps positioning,only GSM standby
gprsgps,1#	Open gps positioning(default)
lsn,0#	Close LED Smart rolling LED light
lsn,1#	Open LED Smart rolling LED light (default)
lz,0,8#	Change the SMS language to English, the first digital is for language,1 is Chinese,0 is English.the second digital is for timezone.
url#	Check the location.
reboot#	Remote restart GPS host
apn,apndata,username,pa ssword,plmncode#	Configure the apn setting