

GPS Tracker watch

For Individual

<GPS+GSM+SMS/GPRS>

快速入门手册

User Manual



GPS 定位监护手表

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一、产品功能及规格

1.1 产品功能

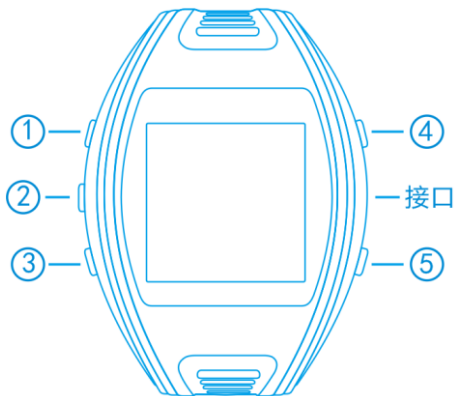
- GSM 四频系统，全球通用
- 双向通话，亲情号码一键拨通
- SOS 一键求救，可远程监听
- GPS 精准定位，GPRS 定时上传，平台可对手表进行实时追踪、并可回放历史轨迹
- 双模定位，GPS 无法定位的区域采用基站辅助定位
- 浏览器、智能手机客户端等多种平台查询和短信查询
- 电子围栏功能，出入围栏可报警
- 可拆卸电池，低电报警
- 可本机记录 GPS 轨迹，生成 PLT 文件
- GPS 授时时间，实时经纬坐标、海拔高度
- 支持多种协议，GPRS 远程升级程序内核

1.2 产品规格

GPS 定位精度	5-15 米 (取决于 GPS 信号强度)
基站定位精度	100-1000 米 (取决于基站密度)
GPS 频段	1575MHz
GSM 频段	850/900/1800/1900MHz
热/温/冷启动时间	<3 秒,<15 秒,<60 秒
内置电池	550mAh
外形尺寸, mm	70(L)X48.5(W)X16.8(H)
工作环境温度	-20°C~70°C
工作环境湿度	20%~80%RH
机器净重	69g

二、构件名称

2.1 部件构成



键①：上键、工作模式、通话状态音量加，长按时定位或与第一号管理员通话。

键②：下键、本地轨迹、通话状态音量减，长按时定位或与第二号管理员通话。

键③：菜单、接听、确定，长按时定位或与第三号管理员通话。

键④：关机、开机，开/关屏幕。

键⑤：SOS，拒接，返回，界面切换。

USB 接口：充电，手表关机状态可连 PC，显示为可移动磁盘。

2.2 配件名称

(以下图片仅供参考，以实物为准)



电池 2 块



充电器一个

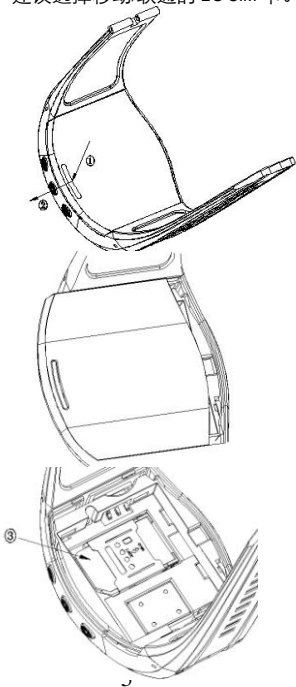


USB 线一条

三、SIM 卡安装

打开包装盒，检查设备型号是否正确，配件是否齐全，否则请联络您的经销商；

手表需要插入一张 GSM SIM 卡，SIM 卡需开通 GPRS 功能，建议选择移动/联通的 2G SIM 卡。



四、手表使用

4.1 开/关机

关机/开机状态下，长按键④将手表开机/关机，开机主要界面如下。



模拟时钟



数字时钟



主菜单



GPS 数据

通过按键⑤进行各功能界面切换。

4.1.1 自动更新时间

手表开机后自动打开 GPS 功能 3 分钟，通过卫星授时实现时间实时更新（如果设定 GPS 冬眠模式会关闭 GPS 模块，手表将不进行时间更新）

4.1.2 GPS 搜星定位

按⑤键切换至 GPS 搜星模式界面。

在有 GPS 信号的区域并且 GPS 模块处于工作状态，屏幕会显示如下信息：当前位置的经度、纬度、运动速度、海拔高度、搜星数量，定位标识。

4.2 语音通话

4.2.1 拨打 SIM 卡预存电话

进入电话簿，上下键移到要拨打出去的电话号码上，按键③进行呼叫，要求 SIM 卡上预先存有电话簿。

4.2.2 一键拨打管理员

如已设定了管理员号码，长按键①、键②或键③，来拨打对应管理员号码，管理员号码设置参见 7.1

4.2.3 一键 SOS 求救

长按⑤键，手表会对已预设所有管理员号码拨打电话并发报警短信进行求救，循环拨打 3 次或者电话接通。

4.2.4 管理员直通电话

手表设定的管理员可以给手表打直通电话，如果用户未主动接听，8 秒后手表会自动接听。

注：此功能需手表 SIM 卡开通来电显示。

4.2.5 接听电话

有普通来电时，手表响铃，如手表 SIM 卡已经开通来电显示，可显示来电号码，按③键接听。

如不想接听电话，按⑤键拒接来电。

本手表通话自动免提扩音，通话状态下，短按①键增加音量，短按②键减小音量。

4.3 设定工作模式

按①键进入工作模式设定，有 4 种工作模式。

跟踪模式：GPS 模块一直开启。

省电模式：GPS 模块仅在设备移动时开启。

睡眠模式：GPS 模块仅在被查询时开启。

冬眠模式：GPS 从不开启。

选择合适的模式可以最大节省电量，获得最大续航能力，以上模式也可以远程设定，参见 7.4

注：不需要实时跟踪手表的时候，可以设定为省电或者睡眠模式；需要实时跟踪手表的时候，可以设定为跟踪模式，这样可以大大提高手表的续航能力。

注：在省电模式下，手表移动检测方式靠基站来检测，是否开启 GPS 模块与手表是否在基站中切换、基站密度有关，如对手表有持续定位要求，请谨慎使用该模式。

注：睡眠模式被查询是指平台或者发指令 123 查询手表位置，参见 7.2

4.4 轨迹本地记录

GPS 轨迹信号可以被记录在手表内存中，格式为 PLT 文件，可以在谷歌地球中打开。

在跟踪模式或省电模式下按②键进入轨迹记录，可以选择记录轨迹，到达目的地后选择停止记录，完整轨迹被记录在手表内存。

4.5 手表个性主题

您可以在官网下载手表个性化主题，目前提供 4 种风格的主题供您下载：

橙色经典、蓝色主题、粉色主题、蓝天小草。您将主题下载之后，在手表关机状态下连上电脑 USB 接口，即可显示移动磁盘。解压文件并替换掉手表根目录下 theme 文件夹中的 5 个 GIF 文件即可。

五、位置查询

5.1 短信查询

可编写位置查询短信发送至手表 SIM 卡获取手表位置信息，手表将回复最后一次定位的位置信息。短信格式请参见 7.2。

5.2 电话查询

手表管理员给手表打电话，如果管理员在 8 秒内挂机，手表会自动回复位置信息，其作用与 5.1 的实际效果相同。

5.3 服务平台查询

见 6. 2

六、使用服务平台

6.1 注册和登录

注册时请使用 WEB 浏览器平台进行注册：

- 1) 打开位置服务平台。
- 2) 点击注册，完成账户注册流程。
- 3) 将注册好的账户（邮箱）和手表的 IMEI 号发给客服，客服会将手表加到您的注册账户之下。
- 4) 登录平台，开始使用平台各项功能。

6.2 使用平台

6.2.1 浏览器平台

您可通过浏览器登录定位服务平台来查看手表的位置及使用平台的各项功能。

6.2.2 智能手机客户端

我们已经为您准备好了安卓客户端（Android），苹果客户端（iOS），以便您使用智能手机查询手表，安装包请在浏览器平台首页下载。

注：请在您的经销商处获取服务平台的使用说明。

七、常用指令/配置

除了使用平台对手表进行设置以外，也可以给手表 SIM 卡发短信来下发指令，同样可以达到管理和设置手表的目的。

7.1 设定 SOS 管理员

SOS, A, 号码 1, 号码 2, 号码 3#

举例：SOS,A,13800138000,13800138001,13800138002# --

即一次设置 3 个 SOS 电话；

SOS,A,13800138000# ----即设置第 1 个 SOS 电话；

SOS,A,,13800138001# ----表示设置第 2 个 SOS 电话；

SOS,A,,,13800138002# ---表示设置第 3 个 SOS 电话；

若设置成功，手表会回复：SET SOS OK!

7.2 查询手表位置

123

发送此指令到手表手机号码，手表将会返回当前位置信息。如：中国广东省深圳市南山区松坪山齐民道 3 号 邮政编码：518057

7.3 监听指令

Listen, 监听号码#

举例：LISTEN,13800138000#

发送此指令到手表号码，手表将自动拨打监听号码 3 次直到拨通为止，监听号码即可以接听手表来电并监听手表周围的情况。

若设置成功，手表会回复：LISTEN OK!

7.4 指令设定工作模式

SAVING, 工作模式序号#

工作模式 0,1,2,3 分别对应跟踪、省电、睡眠、冬眠这 4 种工作模式。例：

SAVING,0# 表示将手表的工作模式设定为跟踪模式；

SAVING,1# 表示将手表的工作模式设定为省电模式。

注：所有标点符号均为英文半角符号，符号之间无空格，请严格按照指令格式设置，格式不正确或符号不正确将导致指令无法成功设置。其它指令请参考《操作指令》。

八、手表报警

8.1 速度报警

报警条件：当手表超过或低于设定速度时。

注：需要设置速度上限和速度下限。

8.2 电子围栏报警

报警条件：当手表进/出/跨越电子围栏时。

注：需要设置围栏条件、围栏种类等等。

8.3 低电报警

报警条件：当手表电池电量低于一定值。

8.4 SOS 报警

报警条件：当手表 SOS 键被长按 3 秒。

注：需要设置管理员号码。出警时终端将会循环 3 次拨打设定的管理员号码，直到拨通为止。

注：当出现以上警情时，手表会向服务平台发出报警，如果设备已经设置相应管理员号码，设备还将向管理员号码发出报警短信。

注：8.1 和 8.2 和 8.4 报警需设置相关参数，设置详情见：《操作指令》

九、故障排除

9.1 手表无法定位

手表支持 GPS+LBS 双模定位，优先使用 GPS 定位，GPS 无法定位请检查：

- 1) 手表 GPS 模块是否开启
- 2) 手表是否在无 GPS 卫星信号的地方，如地库、房间里面。

当 GPS 无法定位时，平台将切换至基站定位。如果基站也无法定位，请检查手表是否处在无基站信号区域。

9.2 平台显示离线/无法连接

手表在服务平台不上线或者显示离线。请检查：

- 1) 手表是否已经正常开机。
- 2) SIM 卡是否正确安装，请参考安装说明。
- 3) 拨打手表 SIM 卡号码，是否能接通电话。
- 4) 手表是否在无 GSM 信号的地方，观察手表界面 GPRS 是否正常连接。
- 5) 观察手表掉线所处的区域内，手机等设备的 GPRS 是否能连接，以判定是否为运营商网络问题。
- 6) SIM 卡是否欠费。
- 7) 如果手表在月底最后一天离线，请检查 GPRS 业务是否被取消。
- 8) 通过指令查询终端的参数，检查手表返回的参数是否正确。

9.3 定位漂移

当 GPS 信号接收环境较差时（周边有高大建筑遮挡 GPS 信号），可能会产生一定的定位漂移。这是正常现象，当手表处于 GPS 信号好的空旷的地区就会准确定位（定位精度<15 米）。

9.4 指令接收异常

- 1) 对照《操作指令》检查指令格式是否正确，符号和字母是否为英文半角。
- 2) 检查 SIM 卡是否安装，GSM 信号是否稳定。

十、保修细则

10.1 特别声明

- 1) 若本产品日后有任何技术变更，恕不另行通知。
- 2) 产品外观、颜色如有改动，以实物为准。
- 3) 保修卡只适应于下述所列 IMEI 号机子的三包服务。
- 4) 请妥善保管此保修卡，保修时请出示此卡及原购买单据。

10.2 保修期

自购买之日起，非人为损坏故障主机免费保修一年。

10.3 售后服务

属下列情况之一的，不在免费保修范围，但可适当付费维修；

- (一) 超过保修期限。
- (二) 未经我司授权，擅自拆卸或维修造成损坏。
- (三) 因安装、使用、维护、保管不当造成损坏的。
- (四) 产品 IMEI 号被撕去或模糊不清。
- (五) 保修凭证与产品型号不符或保修凭证被涂改。
- (六) 因不可抗力造成的损坏。

Welcome to use our watch , please read this manual carefully to install and operate the watch exactly. This user manual is for reference only. If some contents and operation steps are inconsistent with those for the actual product, the latter will prevail.

Using the GPS tracker, we can position,monitor the vehicle including on the position server via GPRS,GPS and Internet. It can help customers to manage transparently,reduce cost,maintain security and raise efficiency. Now it is widely used in business traffic, logistics distribution,automobile lease, intelligent transportation, shipping market,army and police,rescuing,Safety Supervision,Intelligent city...

I. Product Features

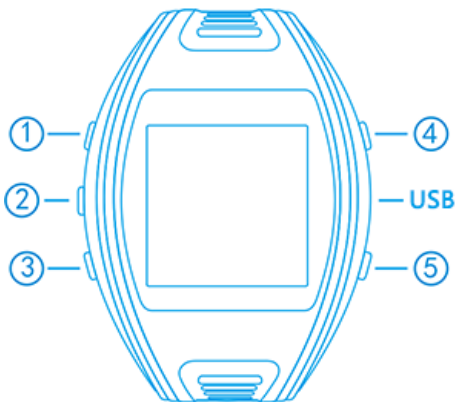
- Supports quad bands, i.e. 850/900/1800/1900MHz, universal in the world.
- Two way communication, one key dial family number
- One key for SOS help, remote monitor
- GPS precise positioning and uploaded by GPRS regularly, Supports real-time tracking and history track playback.
- Double Module, GPS & LBS positioning.
- Web browser platform, Smart phone app platform and SMS query.
- GEO-Fence alarm .
- Removable battery, low battery alarm
- Local record GPS tracks ,generate PLT file.
- GPS granting time, real-time latitude and longitude ,altitude.
- Multiple protocol support, OTA upgrade program.

Basic Specifications

GPS positioning accuracy	5-15m (Depend GPS signal)
GSM positioning accuracy	100-1000 m (Depending on density of base stations)
GPS Frequency	1575MHz
GSM Frequency	850/900/1800/1900MHz
Hot/warm/cold start time	<3s, <15s, <60s
Battery capacity	550mAh
Dimensions (mm)	70(L)X48.5(W)X16.8(H)
Operating temperature	-20°C~70°C
Operating humidity	20%~80%RH
Net Weight	69 g

II. Components & Accessories

2.1 Components



Key ①: Up key, GPS mode 1, plus call volume, long press to call the 1st administrator number or load current address.

Key ②: Down key, GPS mode 2, reduce call volume, long press to call the 2nd administrator number or load current address.

Key ③: Menu, answer, OK, long press to call the 3rd administrator number or load current address.

Key ④: Power on/off, Screen on/off.

Key ⑤: SOS, reject, return, interface switching.

USB Interface: Charging, connect to PC in power off state.

2.2 Accessories

(reference pictures)



2 Battery



charger

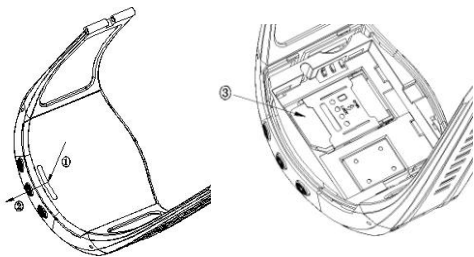


USB

III. SIM card Installation

Open the packing case, Check if the watch and the accessories are intact, or please contact your dealer;

A suitable SIM card is needed for using the watch, please contact your dealer if you have any question;



IV. Use Watch

4.1 Power on/off

Long press key④ power on/off the watch, main interface below



Analog Clock



Digital Clock



Menu



GPS interface

Key ⑤ switch the interface.

4.1.1 Time update

After power on, the watch will update time through GPS, but time will not update in GPS mode 3 (GPS module is closed in GPS mode 3)

4.1.2 GPS Positioning

Press ⑤ to GPS interface,

When GPS module is working & GPS signal is good,

screen will display the following information: current longitude, latitude, speed, altitude, the number of satellites, Positioning identification.

4.2 Voice calls

4.2.1 Call a stored phone of SIM card

Into the phonebook, up or down keys to move the phone number and press ③ to call out, require pre-exist the phonebook in sim card.

4.2.2 A key to call the administrator

If the administrator number has been setted, Long press ①, ② or ③ to dial the corresponding administrator number, administrators number setting see 7.1

4.2.3 One key SOS

Long press ⑤, watch will dial all the administrator three times or the call is connected, meanwhile send SOS alarm SMS to all the administrator.

4.2.4 Administrator direct dial watch

Administrator call the watch, if watch user does not answer the call, the call will be get through automatically after 8 seconds.

NOTE: Requires SIM card display caller ID.

4.2.5 Answer the call

When ordinary calls, watch rings, press ③ to answer, Press ⑤ to reject.

During a call, Press ① to increase the volume, press ② to decrease the volume.

4.3 GPS working mode

Press ① enter the working mode, there are 4 kinds of working modes.

Tracking Mode: GPS always open.

Saving Mode: GPS opens only when the watch is moved.

Sleeping Mode: GPS opens only when the watch is inquired the address.

Hibernation Mode: GPS never open.

Select the appropriate mode can save battery life to get maximum power, mode can be remotely setted , see 7.4

Note: If don't need real-time tracking, choose saving mode or sleeping mode to save power; If need real-time tracking, choose tracking mode, it can greatly improve the watch endurance.

Note: In the saving mode, watch movement rely on the base station to detect, open the GPS module or not depend on watch switch base stations and base stations' density, if need continuous positioning requirements, be caution in the use of this mode.

Note: Inquiry address of watch in sleeping mode means send command 123 to watch, see 7.2

4.4 Local track record

GPS track signals can be recorded in the watch memory by PLT format file which can be read in Google Earth.

In tracking mode or saving mode, press ② enter track record, track can be recorded in the watch memory.

4.5 Watch theme

You can download a personalized theme of watch from official website, currently offers four kinds of style theme for you: Orange classic, blue theme, pink theme, grass sky. After you download the theme, connect the power off watch to computer USB port, you will find a removable disk. Unzip the file and replace five GIF files in the theme folder under the root directory.

V. Inquiry position

5.1 Inquiry by SMS

You can write a positioning SMS sending to the watch to inquiry watch position, the watch will reply position SMS or map link. The SMS commands please refer to the **<Operation Commands>**.

5.2 Inquiry by call

Administrator dial the watch,if administrator hang off

in 8 seconds, watch will send address SMS to administrator. Effect is the same with 5.1

5.3 Inquiry by platform

please refer to the 6.2

VI. Service Platform

6.1 Register and login

Please register platform on the WEB browser.

- 1) Open service platform on web browser.
- 2) Click register, complete the account registration.
- 3) Give the registered account (E-mail) and watch's IMEI to customer service, customer service will add the watch to your registered account.

6.2 Inquiry by service platform

6.2.1 Web Browser platform

You can login the service platform and enter your ID and password to check the position of the watch. Please ask your dealer for the WWW address of the position service platform.

6.2.1 Smart phone applications platform

You can use a smart phone to check the watch's position. We have prepare for you the Android client

(Android), Apple clients (IOS), please check with your dealer to get installation package.

VII.Common command

In addition to using the platform, sending SMS commands can also be used to manage and set the watch.

7.1 Set SOS administrator

SOS,A,number1,number2,number3#

Example:

SOS,A,13800138000,13800138001,13800138002#
means to set 3 numbers at a time .

SOS,A,13800138000# means to set 1st number.

SOS,A,,13800138001# means to set 2nd number.

SOS,A,,,13800138002# means to set 3rd number.

If the setup is successful,watch will reply:

SET SOS OK

7.2 Watch address inquiry

123 or Position#

Send this command to watch, watch will reply current address information. Such as:

Song Ping Shan Qi Min ROAD Nanshan District,
Shenzhen City, Guangdong Province, CHINA

Postal Code: 518057

If get address content failed from server, watch reply a Google Maps location link.

7.3 Listen command

Listen, Listener number#

Example:: LISTEN,13800138000#

Send this command to watch, watch will automatically dial the listener number for three times until the call get through, listener answer the call and listen watch around.

If the setup is successful, watch will reply:

LISTEN OK!

7.4 Set GPS mode

SAVING, 0~3#

0,1,2,3 corresponding tracking mode, saving mode, sleeping mode and hibernating mode.

Example:

SAVING,0# set tracking mode

SAVING,1# set saving mode

Note: All symbols are English half-width symbols, no space between symbols, strict accordance with setting format of commands, incorrect format or symbols will lead the command set unsuccessfully. Other commands refer to <operating instructions>

VIII. Watch Alarm

8.1 Speed Alarm

Conditions: When the watch over and below the set speed.

Note: You need to set the low speed limit and high speed limit.

8.2 Geo-fence Alarm

Conditions: when the watch entry / exit / across the Geo-fence.

Note: You need to set the conditions of crossing fence, fence types and so on.

8.3 Low battery Alarm

Conditions: When the watch's battery power falls below a certain value .

Note: When above alarm occurs, the watch will send alarm to service platform, meanwhile send a SMS message to the watch administrator number if the number is setted up.

Note: 8.1, 8.2 alarm parameters must be set before work, Please refer to the <**Operation Commands**>

IX. Troubleshooting

9.1 Can not position

Watch supports double mode GPS + LBS,priority GPS positioning, if GPS can not positioning,please check:

- 1) Watch's working mode is tracking mode or not.
- 2) Watch in a place without GPS satellite signal, such as a basement, room inside.

When the GPS unable to position,GPS will switch to LBS for positioning. If LBS can not position,check whether watch is in an area no base station signal.

9.2 Offline status on the platform

Watch is offline on the platform,please check:

- 1) Watch whether normal boot.
- 2) SIM card is installed correctly
- 3) Call the watch ,it can get through .
- 4) Whether the watch is no GSM signal place, observe the watch interface GRPS connection.
- 5) The area GPRS mobile phones and other devices can connect to the network or not.
- 6) Check if the SIM card has enough balance.

- 7) If the watch becomes offline on the last day of one month, please check if GPRS is close.
- 8) Check the parameters of watch via commands.

9.3 Position drift

Position drift will be found in places where GPS signal is poor. Please go to the place with good signals.

9.5 Command receiving abnormally

- 1) Check the Command format.
- 2) Check if the SIM card is properly installed. Check if the watch is in the places where there is GSM signal.

X.Warranty rules

10.1 Special statement

- 1) Technology change, without notice.
- 2) If the color and appearance are inconsistent with those for the actual product, the latter will prevail.
- 3) Warranty card is only valid for the watch with the

following IMEI.

4) Please take care of the warranty card and show it with the original purchase receipts when enjoying the warranty service.

10.2 Warranty period

Since the date of purchase, passive waste host has one year warranty.

10.3 After sales

Any of the following circumstances not covered by the warranty, but may be appropriate to pay repair:

- 1) More than the warranty period.
- 2) Unauthorized removal or repair damaged.
- 3) Damage caused by improper installation, use, maintenance, custody.
- 4) The IMEI label is torn or Obscure.
- 5) Warranty certificate and product models do not match or warranty certificate be altered.
- 6) Damage caused by force majeure.

Warranty card/保修卡

NAME/姓名 _____

TEL/电话 _____

Address/地址 _____

Model/机型 _____

IMEI Number (IMEI 号)



Selling Unit/经销商 _____

Purchase Date / 购买日期

_____YY/年_____MM/月_____DD/日

Maintenance records / 维修记录

Date 日期	Description 故障描述	Records 维修记录	Completion Date 完成日期	Engineer 维修人员