OBD+GPS Tracker

For Vehicle

<GPS+GSM+SMS/GPRS>

使用说明书

User Manual

V1.1

MODEL：GOT10

OBD 云诊断定位器

感谢您选用购买本机器，请您在使用之前认真阅读本说明书，以便得到正确的安装方法及操作指南，以下描述中终端等同于本机器。产品外观及配色如有改动，请以实物为准，恕不另行通知。

GOT10 云诊断定位器借助 GPS 卫星定位、车辆 OBD 诊断系统、GPRS 通信、Internet，通过强大的 WEB 服务平台可以实现对车辆进行实时远程定位和远程汽车诊断。帮助客户实现透明管理、降低成本、保障安全、提高效率的目标。目前已广泛应用于商业运输、物流配送、企业车队、汽车租赁、智能交通、工程机械、船舶航运、应急指挥、抢险施救、军警安监、智慧城市。

目　录/CATALOG

一、产品功能及规格

1.1 产品功能

■GSM 四频系统，全球通用

■安装极简，即插即用

■GPS 精准定位，支持 A-GPS，GPRS 定时上传，平台可对车辆进行实时追踪、并可将历史轨迹回放

■OBD 数据云端存储，发动机转速、水温、油耗等 OBD2 标准诊断数据，部分可支持车型可多读取里程、剩余油量。

■浏览器、智能手机客户端多种平台查询和短信查询

■支持多种报警，内置加速度传感器，支持振动、碰撞、跌落等报警

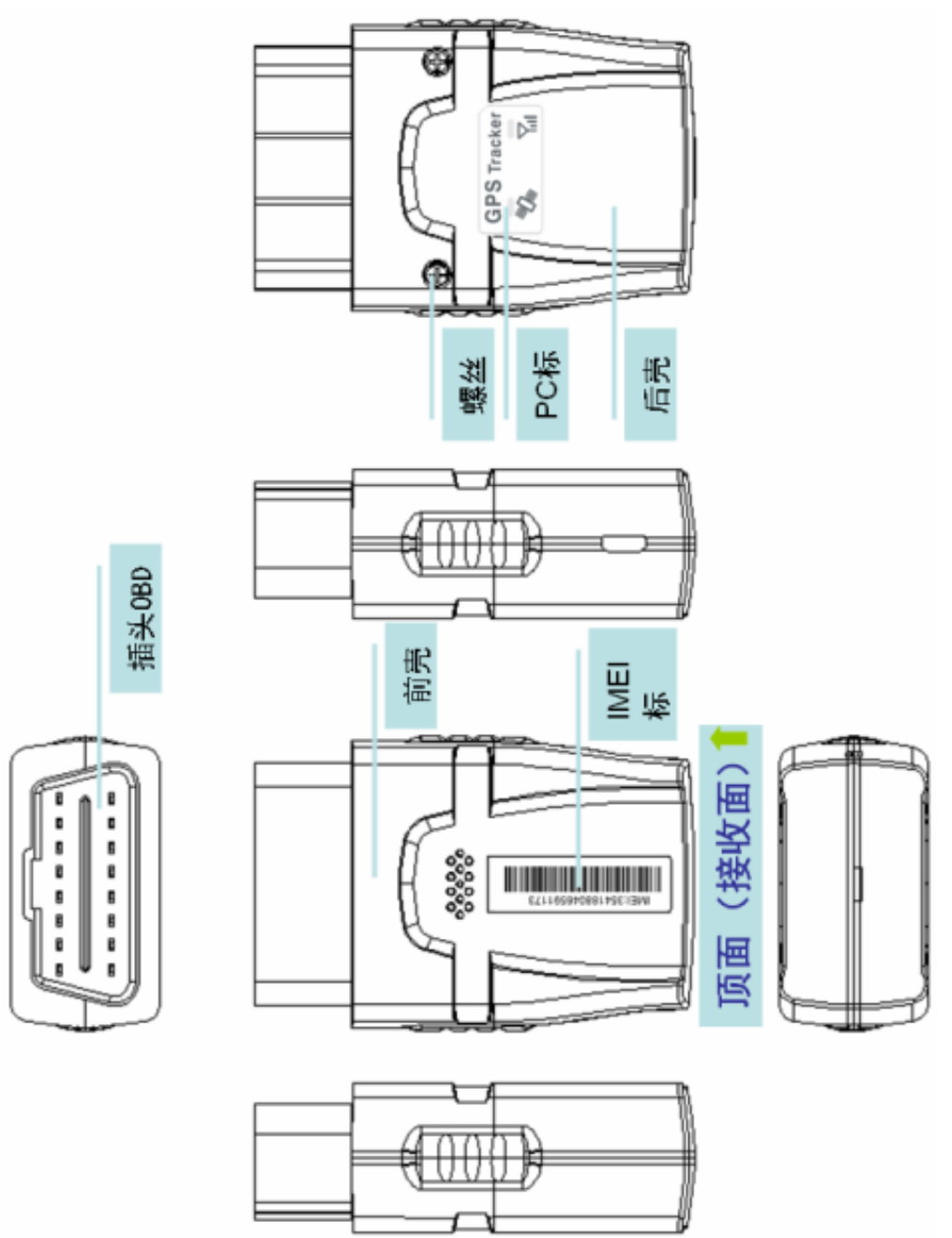
■GPRS 远程升级程序内核

1.2 产品规格

工作电压	12VDC/24VDC
工作电流	<40mA@12V
待机电流	<10mA@12V
GPS 定位精度	15 米
基站定位精度	100 米
GPS 频段	1575MHz
GSM 频段	850/900/1800/1900MHz
热/温/冷启动时间	<3 秒,<15 秒,<60 秒
工作环境温度	-20℃~70℃
工作环境湿度	20%～80%RH
外形尺寸，mm	56.5(L)X47(W)X 24.6(H)
机器净重	45 g

二、构件名称

2.1 产品六面图



2.2 配件名称

（以下图片仅供参考，以实物为准）

螺丝（标配）

OBD 延长线

此配件为设备选配，当 OBD 接口位置不佳导致 GPS 信号接收不好的时候，可加配此延长线。

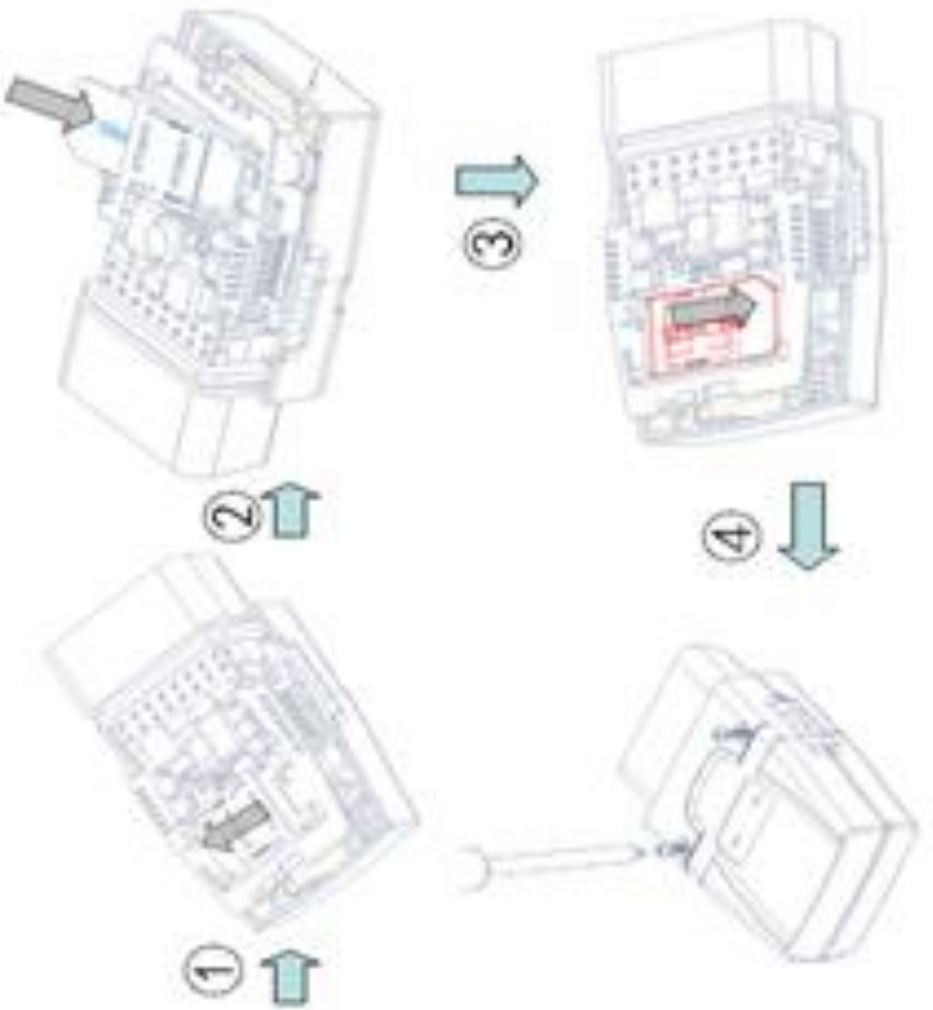
三、SIM 卡安装说明

3.1 安装前准备事项

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；

终端需要插入一张 GSM SIM 卡，SIM 卡需开通 GPRS 功能，SIM 卡的选择请参考经销商的意见

3.2 SIM 卡的安装



共 5 步，1）左手握住前壳，右手抓紧拉片，用力往上拉开上壳。2）推开 SIM 卡座盖子。3）装入 SIM 卡。4）推入 SIM 卡座盖子到位。5）合上底盖，拧紧螺丝。如上图。

四、终端安装

4.1 OBD 插口的位置

一般地，OBD 插口在车内方向盘下方约膝盖位置处，注意有些车有盖板。

4.2 终端安装

把设备插接于原车 OBD 接口上即可，注意要插紧。保证终端顶面（接收面）朝向天空。

4.3 使用延长线

安装终端如果不能保证终端顶面朝天，请观察指令灯，如果指示灯快闪不停，表示信号不好，要用延

长线连接上车内的 OBD 插口，将终端放在有利 GPS 信号的位置，保证 GPS 信号的接收。

安装时应确保接收面向上（朝向天空），且上方无金属物遮挡，建议安装位置：

1）前挡风玻璃下方装饰板内隐藏处；

2）后挡风玻璃下方饰板下；

注意：如挡风玻璃粘贴有金属隔热层或加热层，可能会削弱天线信号，造成设备工作异常，请更换设备安装位置。

五、开启/关闭终端

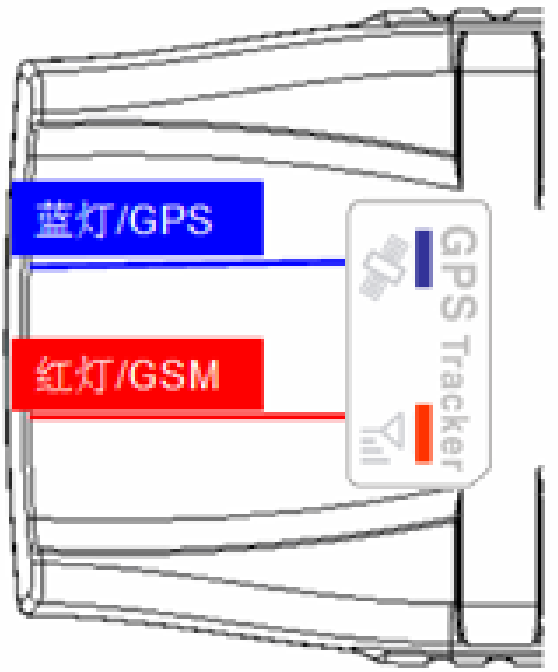
5.1 开机

将终端插上车辆 OBD 接口，终端即可自动开机运行，此时终端指示灯闪亮。

5.2 状态指示灯

终端搜索 GSM 网络信号时，红色 GSM 指示灯快闪；当搜到信号且正确登录 GSM 网络时，红色 GSM 指示灯变为慢闪。

终端搜索 GPS 卫星信号时，蓝色 GPS 指示灯快闪；当搜到卫星信号且已经定位时，蓝色 GPS 指示灯变为慢闪。



红灯（GSM 状态指示）

快闪	GSM 网络搜索
慢闪	GSM 正常工作

蓝灯（GPS 状态指示）

快闪	GPS 卫星搜索
慢闪	GPS 已经定位

5.3 关机

拔出设备，取出 SIM 卡，一会终端自行关机。

注：开机 5 分钟后，为了省电指示灯将熄灭，设备继续工作，如设备有接到打入电话，指示灯将重新亮起，并在 5 分钟后又熄灭。

六、位置查询 / OBD 诊断

6.1 短信查询位置

您可编写位置查询短信发送至终端 SIM 卡获取车辆位置信息，终端将回复最后一次定位的位置信息或地图链接。短信格式请参见《操作指令》。

6.2 平台查询位置和 OBD 诊断

6.2.1 浏览器平台

您可通过浏览器上网登录终端服务平台来查看车辆的位置并对设备进行 OBD 远程诊断，终端服务平台网址可咨询您的经销商。

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车辆及 OBD 诊断，安装包请向您的经销商索取。

注：请在您的经销商处获取服务平台的使用说明。

七、终端配置

请参考《操作指令》。

八、终端报警

8.1 振动报警

报警条件：当车辆发生振动时。

注：需要设定振动灵敏度和时间，有设防/撤防开关。

8.2 碰撞/跌落报警

报警条件：当终端所处车辆发生碰撞、跌落时。

8.3 速度报警

报警条件：当车辆超过和低于设定速度时。

注：需要设置速度上限和速度下限。

8.4 电子围栏报警

报警条件：当车辆进/出/跨越电子围栏时。

注：需要设置围栏条件、围栏种类等等。

注：当出现以上警情时，终端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、8.3 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 无法连接服务平台

终端首次安装后，服务平台一直显示未上线。请检查终端：

1）设备是否通电，有无 LED 闪动。

2）SIM 卡是否正确安装，请参考安装说明。

3）检查 LED 指示灯状态，正常时，红色 GSM 状态指示灯慢闪亮；蓝色 GPS 状态指示灯慢闪亮；

4）通过指令查询终端的参数，检查终端返回的参数是否正确，查询指令请咨询您的服务商。

9.2 后台显示离线状态

首先观察设备指示灯是否正常，在没有条件观察的情况下，可以先检查 SIM 卡的状态，步骤如下：

1）拨打设备的 SIM 卡号码，看是否能听到电话接通的声音。

2）车辆是否在无 GSM 网络信号的地方。

3）观察掉线终端所处的区域内，是个别终端掉线还是全部掉线，以判定是否为运营商网络问题。

4）SIM 卡是否欠费。

5）如果终端在月底最后一天离线，请检查 GPRS 业务是否被取消。

6）通过指令查询终端的参数，检查终端返回的参数是否正确。

9.3 长时间不定位

若终端 GPS 功能已被激活，但又长时间不定位，请检查终端：

1）车辆是否在无 GPS 卫星信号的地方

2）终端安装位置上方必须是没有电磁波吸收的物质（如金属）遮挡的地方，特别要注意终端所处位置上方车辆玻璃不要贴防爆隔热膜（此膜成分中有较多的金属成分，会吸收电磁波），否则 GPS 信号会受到很大的影响导致定位精度下降，严重时会使终端难以定位。

9.4 定位漂移严重

当 GPS 信号接收环境较差时（周边有高大建筑遮挡 GPS 信号），会产生严重的定位漂移。此时请将车开到空旷的地方准确定位。

9.5 指令接收异常

1）检查指令格式是否正确（英文半角）

2）车辆是否在无 GSM 网络信号的地方

3）检查终端的 SIM 卡是否正确安装

十、设备保修细则

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 terminal , please read this manual carefully to install and operate the terminal 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 & OBD tracker, we can position,monitor the vehicle and vehicle’s OBD data on the platform 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

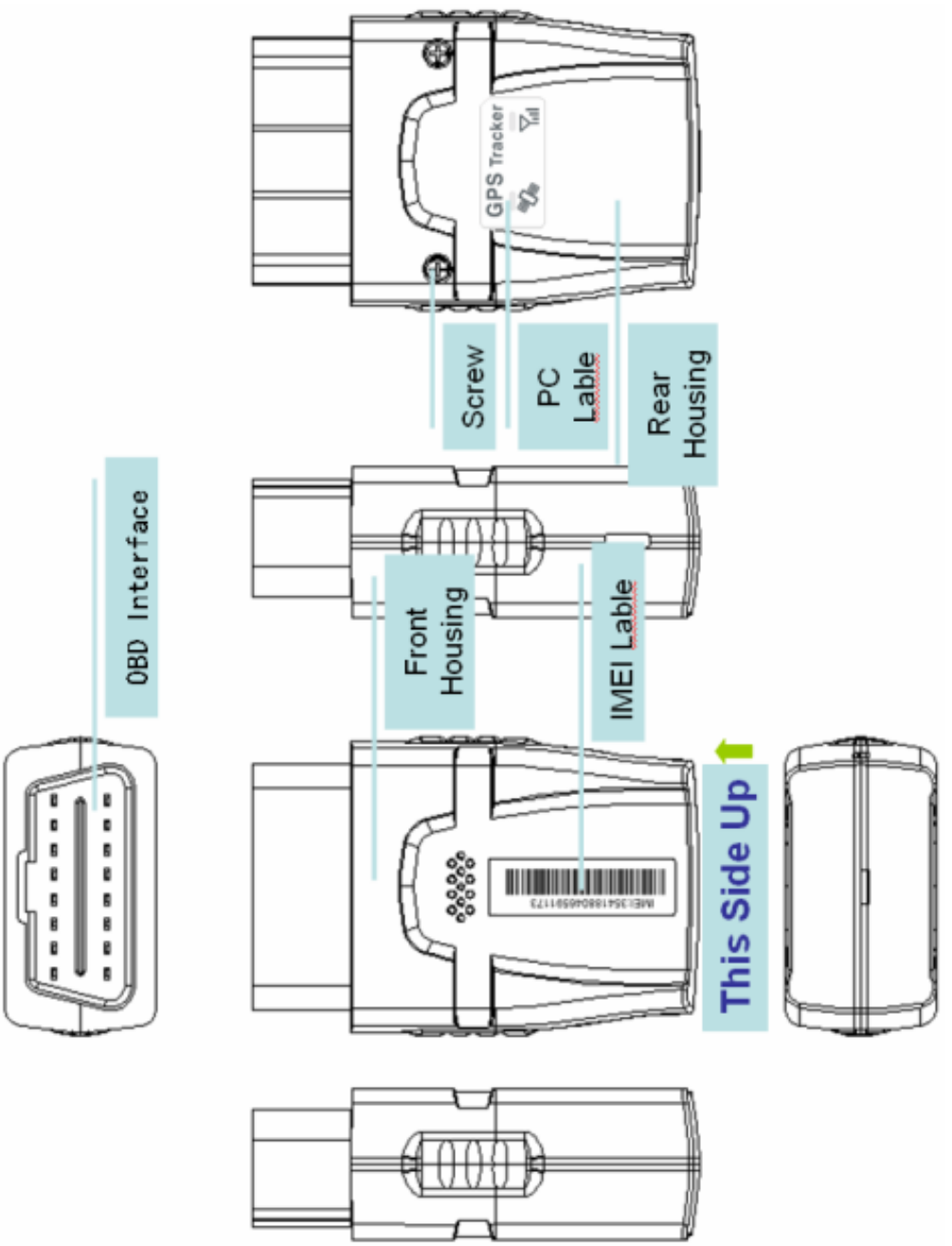
- Supports quad bands,i.e. 850/900/1800/1900MHz, universal in the world.
- Plug and play, Easy to install.
- GPS precise positioning with A-GPS and uploaded by GPRS regularly, Supports real-time tracking and history track playback.
- Cloud storage OBD data , Vehicle speed, Coolant temperature, fuel consumption and other standard OBD2 diagnostic data, some cars model support read mileage, remaining oil.
- Web browser platform, Smart phone app platform and SMS query.
- Supports multiple alarm, Built-in acceleration sensor with vibration, collision and falling alarm.
- GPRS remote upgrade program.

Basic Specifications

Voltage	12VDC/24VDC
Work Current	<40mA@12V
Standby Current	<10mA@12V
GPS positioning accuracy	15m
GSM positioning accuracy	100m
GPS Frequency	1575MHz
GSM Frequency	850/900/1800/1900MHz
Hot/warm/cold start time	<3s，<15s，<60s
Operating temperature	-20℃~70℃
Operating humidity	20%～80%RH
Dimensions (mm)	56.5(L)X 47(W) X 24.6(H)
Net Weight	56 g

II. Components & Accessories

2.1 Components



2.2 Accessories(reference pictures)

Screws (standard)

OBD Extension Cable(optional)

Optional accessory for the device, when the OBD interface is not very good and the GPS signal is poor, we can use an extension cable to strength GPS signal.

III. SIM card Installation

3.1 Before Installation

Open the packing case, check if the terminal is OK and the accessories are intact, or please contact your dealer.

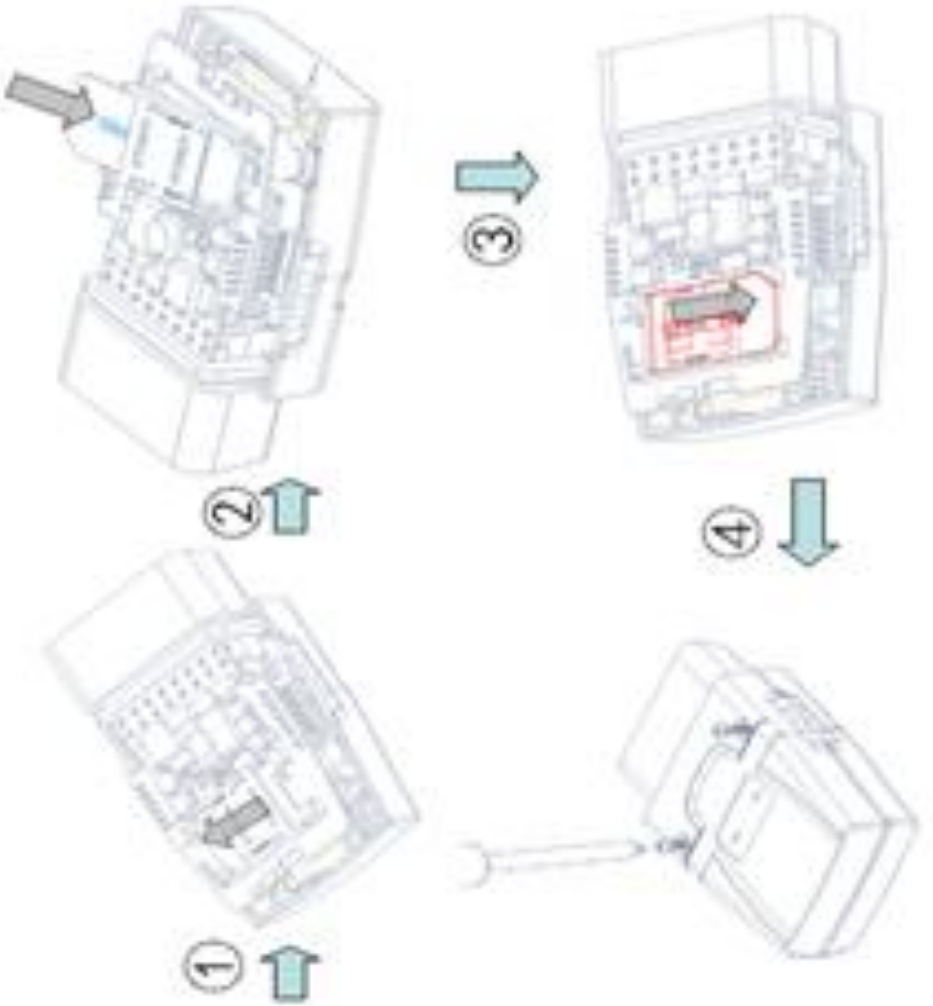
Choosing a suitable SIM card for using the terminal, please contact your dealer if you have any question.

3.2 Card Installation

Pinch the sides of the front cover with one hand, the other hand gently open the back cover.

Pull down the SIM card cover, Turn the installed SIM card holder door to its original position, gently push the lid with your fingers so it is locked.

Close the back cover, use a screwdriver to packaging the two screws into the the back cover.



IV. Set up the terminal

4.1 OBD interface position

In general, OBD interface under the steering wheel, note that some car’s cover.

4.2 Terminal Installation

Plug the device in the OBD interface can, pay attention to plug tight. Ensure that the top surface of the terminal (receiving side) towards the sky.

4.3 Use Extension cable

If the terminal's top side can not face the sky, please observe LED, if lights flash constantly, which means that the signal is not good. Use an extension

cable connect the device and OBD interface to strength receiving GPS signals.
Make sure the upside upward sky without metal blocks.

Notice: The GSM and GPS signal may be weakened if there is metal thermal insulation layer or heating layer on the front windshield, the terminal may work abnormally, so please change the place terminal.

V. Terminal power on/off

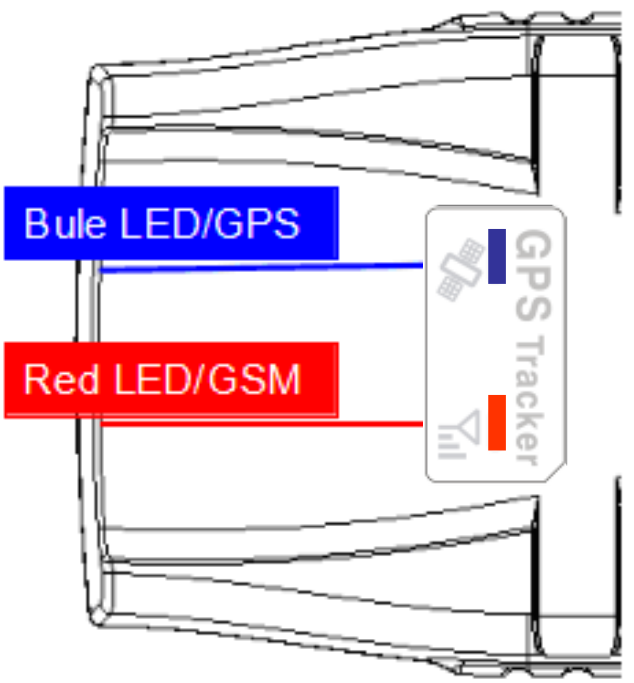
5.1 Power on

Connect terminal to the vehicle OBD interface and it will power on.

5.2 LED indicators

The red LED flickers fast when the terminal is searching for GSM network, it flickers intermittently when the terminal has registered the GSM network successfully.

The blue LED flickers fast when the terminal is searching for the GPS satellite signal, it flickers intermittently when the terminal when the terminal has searched the satellites and can be positioned.



Red LED(indicates GSM working state)

Fast flicker	Searching for GSM network
Intermittently flicker	GSM/GPRS works normally

Blue LED(indicates GPS signal state)

Fast flicker	Searching GPS Satellites
Intermittently flicker	GPS works normally

5.3 Power off

Unplugging the device and take off SIM card for a while.

Notice: After power on, LED will turn off in 5 minutes for saving power and the device continues to work , LED will turn on if device receives a phone call and turn off again after 5 minutes.

VI. Vehicle position/OBD data

6.1 Position Inquiry by SMS

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

6.2 Position & OBD data on platform

6.2.1 Web Browser platform

You can login the service platform to check the position and OBD data of your cars. Please ask your dealer for the WWW address of the service platform.

6.2.2 Smart phone applications platform

You can also use a smart phone to check the position and OBD data of your cars.We have prepare for you the Android client (Android), Apple clients (IOS), please check with your dealer to get installation package.

VII. Set up the terminal

Please refer to the **<Operation Commands>**

VIII. Terminal Alarm

8.1 Vibration Alarm

Conditions: When the Vehicle Vibration occurs.

Note: You need to set vibration sensitivity and time, there are arm / disarm switch.

8.2 Collision / falling Alarm

Conditions: When the Vehicle Collision or falling occurs.

8.3 Speed Alarm

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

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

8.4 Geo-fence Alarm

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

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

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

Note: 8.1, 8.3 and 8.4 alarm parameters must be set before work, Please refer to the <**Operation Commands**>

IX. Troubleshooting

9.1 Cannot connect to the platform

The terminal is never online on the position server after installation . Please check the terminal:

1） If the power cables are wired correctly? Pay attention to not connect them to the controlling cables of the vehicle.

2）If the SIM card is installed correctly? Please refer to the installation instructions.

3） Check the status of the LED indicators. If the terminal is OK, the red LED and the blue LED will intermittently flick.

4）Inquiry the parameters of terminal via commands and check the accuracy of the parameters.

9.2 Offline status on the platform

First check if the LED indicators are OK, if cannot check them, you can check the SIM card following next steps:

1） call the SIM card of the terminal and check if you can hear the connect ring.

2） Check if the vehicle is in the area where there is no GSM signal.

3） Check if one terminal or all terminals are offline in the area where terminal is offline. If all terminals are offline, you should ask the network operator. If the network is OK.

4） Check if the SIM card has enough balance.

5） If the terminal becomes offline on the last day of one month, please check if GPRS is close.

6）Inquiry the parameters of terminal via commands and check the accuracy of the parameters.

9.3 Not positioning for a long time

If the GPS is active, but the terminal cannot be positioned for long time, please check the terminal:

1） If the vehicle is in the place where there is no GPS signal.

2） The GSM and GPS signal may be weakened if the terminal is installed in the place with electromagnetic wave absorption material(such as metal blocks).

9.4 Position drift

Serious position drift will be found in places where GPS signal is poor. Please drive the vehicle to the open places.

9.5 Command receiving abnormally

1） Check the instructions format.

2） Check if the vehicle is in the places where there is GSM signal.

3） Check if the SIM card is properly installed.

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 terminals 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**