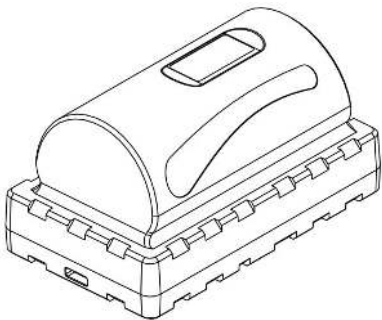


Long Standby GPS Tracker

用户手册

User Manual



MODEL: MGT90

超长待机 GPS 定位器

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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 MGT90 GPS tracker, we can position, monitor and control the vehicle 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 and Intelligent city...

I. Product Features

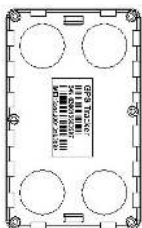
- Supports quad bands, i.e. 850/900/1800/1900MHz, universal in the world.
- Built-in 14500mAh Super high-capacity zero self-discharge lithium thionyl chloride batteries, can stand up to three years(Power on once per day)
- Strong magnetic force,can be installed on iron absorption
- Military grade three anti-performance, waterproof to IP67
- GPS / LBS dual positioning, support A-GPS
- Customize 6/12/24/48-hour work intervals in long standby mode
- Switch to emergency mode to restore the real-time tracking mode
- WEB platform, mobile APP, SMS remote setting mode, tracking devices
- Support multiple protocol, can be used in customer platform
- OTA upgrade firmware.

Basic Specifications

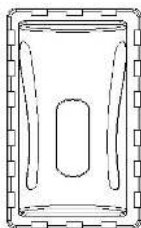
Voltage	3.7 VDC
Work Current	<30 mA
Standby Current	<15 uA
GPS Accuracy	5-15m
GSM Accuracy	About 100m
GPS Frequency	1575MHz
GSM Frequency	850/900/1800/1900MHz
Hot/warm/cold Start	<3s, <15s, <60s
Battery Capacity	14500 mAh
Dimensions (mm)	87(L)X41.6(W)X 12(H)
Work Temperature	-20°C~70°C
Work Humidity	20%~80%RH
Net Weight	180g
IPR	IP67

II. Components and Accessories

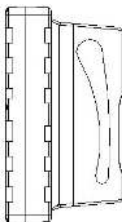
■ 2.1 Components



-Bottom -



-Top Front-



- Side -

■ Accessories (reference pictures)

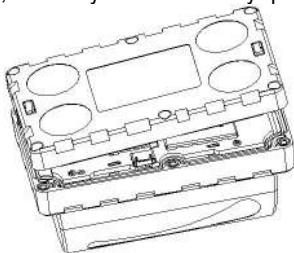
Screwdriver

Screws

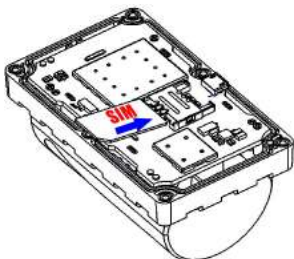
III. SIM card Installation

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

You need a suitable SIM card for using the terminal, contact your dealer if any question;



Open the back cover



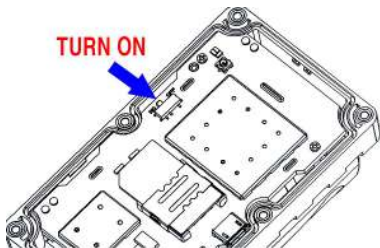
Insert the SIM card to the slot

Note:

- The SIM card should support GPRS and GPRS should be opening.
- Inquiry by call needs the SIM card supporting the calling line identification presentation.
- If you enable the PIN code of the SIM card, please use your mobile phone to disable the PIN code.
- Please make sure that the SIM card has sufficient balance.

IV. Test & Installation

4.1 Power On

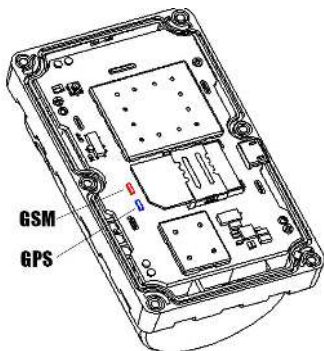


Turn on the power. Move the device to outdoors make sure GPS signal is good.

4.2 LED Indicators

Red LED flickers fast when device is searching for GSM network, it flickers slowly when device has registered the GSM network successfully.

Blue LED flickers fast when device is searching for the GPS satellite signal, it flickers slowly when device has searched the satellites and been positioned.



1. **Red LED** (indicates GSM working state)

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

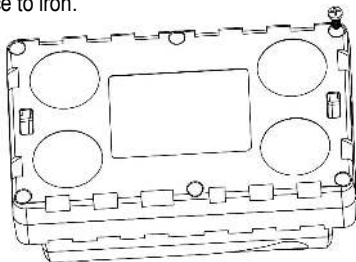
2. **Blue LED** (indicates GPS signal state)

Fast flicker	Searching GPS Satellites
Slow flicker	GPS works normally

Red and blue lights flash slowly (once per 5 seconds), device works properly.

4.3 Installation

Close bottom cover, tighten the screws, adsorb the device to iron.



V. Setting & Inquiry

5.1 Web Platform & APP

5.1.1 Web Browser platform

Login the service platform to set or track device, ask your dealer for the WWW address

5.1.2 Smart phone application

Use smart phone APP, ask your dealer to get installation package.

Example, Remote set by Android APP Client



Working mode

Long

Emergency

Dormancy 6 hours

Dormancy 12 hours

Dormancy 24 hours

Dormancy 48 hours

Note:

We can send offline operation commands in working mode, it will take effect when the devices turn to be online the second time after commands sending successfully!

Under super-long mode, the device works for a while and power off, the time interval setting is 6/12/24/48 hours, it is power saving.

Under emergency mode, the device is working all the time without being powered off but

submit



100% 17:20



Working mode

Long

Emergency

Gps location

Cellular location

Note:

We can send offline operation commands in working mode, it will take effect when the devices turn to be online the second time after commands sending successfully!

Under super-long mode, the device works for a while and power off, the time interval setting is 6/12/24/48 hours, it is power saving.

Under emergency mode, the device is working all the time without being powered off, but more Power consumption.

submit

5.2 SMS

You can write a SMS command and send it to device to set or request the position of the device, Please refer to the <**Operation Commands**> to get commands

VI. Trouble shooting

6.1 Platform Cannot connect

- 1) Is the SIM card installed correctly? Please refer to the installation instructions.
- 2) Check the status of the LED indicators. If the terminal is OK, the red LED and the blue LED will intermittently and slowly flash.
- 3) Inquiry the parameters of device via commands and check the accuracy of the parameters.

6.2 No positioning

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 device is installed in the place around metal.

6.3 Position drift

Position drift will be occur in places where GPS signal is poor. Please move to the open places.

VII. Warranty rules

7.1 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.

7.2 Warranty period

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

7.3 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