



# GPS Tracking Device

Model NO.: M588L

User Manual

Version : Rope-E19111901

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**Notes:**

- Please mount the device steadily on the flat place before using;
- Please make sure the voltage value is right before connecting with battery, and placing the wires to where shouldn't be trodden;
- Please power off when plugging or taking out of any module or connector;
- Please keep the device dry and don't let any liquid fall into the device in case any damage caused in the device or circuit;

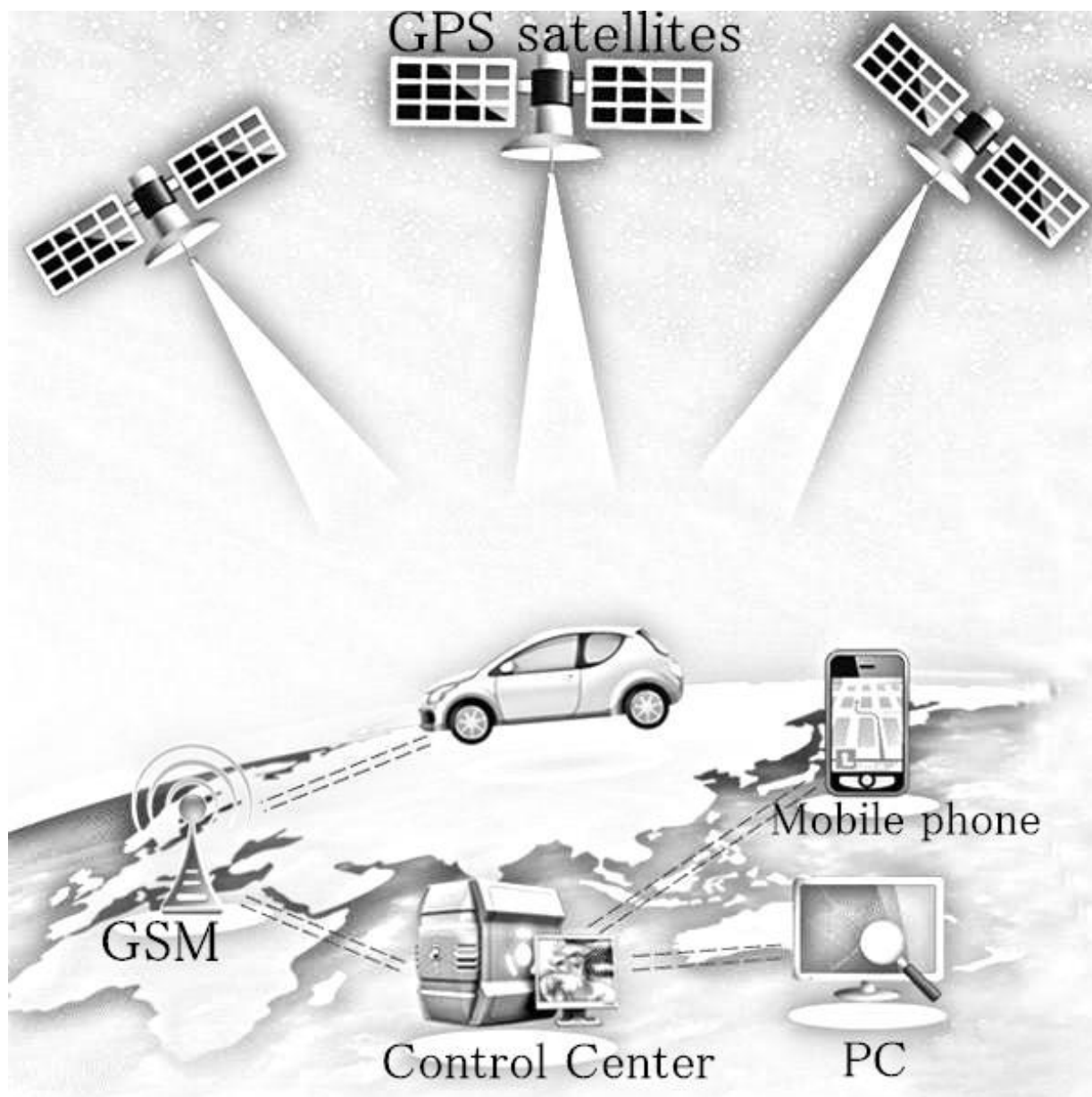
If any problem caused as follows, please turn to professional technician:

- When power wire, keyboard, or socket are damaged;
- When liquid infiltrating into the device;
- When the device work unusually or cannot resume to normal even operated according to the instruction;
- When the device cannot work as usual after falling, throwing or breaking;
- When there is obvious damage in the device.

**1. Product Introduction**

M588L, a GPS tracker with strong magnetism, is applied to route-controlling, objects-tracking ,financial security and vehicle-anti-theft and -guarding.

There are built-in terminals of GPS(Global Position System) module and GSM(Global System for Mobile Communications) module, which send the location data to the specific cell phone by messages. The phone will show the detailed location or a link used to locate and track by Google Earth and Google Map. Besides, the GPS data can also be sent by GPRS to our server, with which we can check, guard and manage the terminal on computer.



## 2. Characteristics

- 1) Smallest size;
- 2) Built-in antenna;
- 3) Update one data a day;
- 4) GPS and LBS location;
- 5) Low power consumption <3.5uA;
- 6) Battery can work for 3 years;
- 7) Remove alert: trigger an alert on platform if it detects the environment gets lighter;
- 8) Wireless and magnetic, easy to hide and install;
- 9) Geofence alert.

### 2.2 Specification:

Items	Parameters
GSM Module	Quectel M35
GSM Frequency	850/900/1800/1900 MHZ
LBS Positioning Accuracy	100-500m
3G Antenna	Built-in
GPS Chipset	U-blox 7020
GPS Sensitivity	-159 dBm
GPS Frequency	L1, 1575.42 MHZ
Channels	20 channels examine track
GPS Positioning Accuracy	5-10m, 2D RMS
GPS Antenna	Built-in
Speed Accuracy	0.1m/s
Time Accuracy	Synchronize with GPS
GPS Data	WGS-84
Hot Start	<1s
Warm Start	<38s
Max Altitude	18000m
Max Speed	515m/s
Gravity Acceleration	<4g
Working Current	50Ma~160Ma
Operating Temperature	-20℃—70℃
Humidity	5%—95%
Size	125mm × 81mm × 53mm
Simcard	Normal simcard
Battery	Rechargeable lithium polymer battery 4500mAh
Internal battery Standby	3 years

















### 3. Web based tracking online activation

3.1 Open website [www.overseetracking.com](http://www.overseetracking.com) and login with the user & password that created by Rope


3.2 Click **Information Management**

3.3 Click **Vehicle Tracker List** and you will see all your vehicles are listed there. Please note, to add more devices, please contact your sales.

Please check the **Tracker Status**, if it is **Unactivated**, please click **Activate**. If it is **Activated**, please click **Edit**.

Plate Number/Name	Tracker Model	Tracker Information	Installed Accessories	My Service Expiring Date	Sub-user's Service Expiring Date	Vehicle Owner	Tracker Status	Operation
	DJ808	ID: 13000000157 IMEI: 094027849470 Phone number:					Unactivated	
 M-23 UAQ 248K	DJ808	ID: 13000000158 IMEI: 011653707339 Phone number: +25619666820185	 RL12: 12V Relay  Mic-Rope: Mic-phone		2019-07-24	Stephen Kibuuka Tel:	Activated 2018-09-08 08:03:18	  this is edit
 unknown	DJ808	ID: 13000000159 IMEI: 011752301171 Phone number: +25611752301171	 RL12: 12V Relay  Mic-Rope: Mic-phone				Activated	 
 H 10	DJ808	ID: 13000000166 IMEI: 011752301172 Phone number: +25611752301172	 RL12: 12V Relay  Mic-Rope: Mic-phone		2019-07-24		Activated 2018-09-08 08:04:00	 

3.4 Click **Activate**, please fill in the blanks marked with red \*. You also can fill in other blanks to complete the device information.



Use Default Icon

Belongs to Group

Plate Number/Name\*

Country\*

Vehicle Type\*

Login Password via Plate Number/Name

Purchasing Date

Vehicle Brand

Starting Mileage

Manufacturer Official Fuel Consumption(L/100Km)

Owner Name

Mobile of Owner

3.5 Click **Next Step** and fill in the requested blanks.

### Installed Tracker Information

Please complete the blanks with "\*" behind.

Tracker Model\*  IMEI of Tracker\*

Inserted SIM Card's Phone Number\* +93

Time Zone\*  Installation Date

Please select installed accessories:

 Digit Input for SOS 
 Digit Output for Engine 
 Mic-phone Portal

3.6 Click **Next Step** to fill in sim card APN information. Please select the telecom name, if the telecom is not listed there, please click **Enter Telecom Name** to fill in the sim card telecom name.

### SIM Card Operator Information

**System can not get the APN information**, Please enter the SIM card APN information, so the system can generate the correct configuration SMS for you. Please complete the blanks with "\*" behind. \*(if the APN contains username and password, please enter them too)

Telecom Name\*  [Enter Telecom Name](#)

APN\*

APN Username

APN Password

3.7 Click **Next Step**, OVERSEE gives the configuration SMS to you. Please copy it and send it to the gps device, after you receive reply from the gps device, it should be online.

### Tracker Activation

The information has been saved successfully, Please send these SMS commands below one by one to the tracker, if configure successfully, the tracker will show online in tracking map.

SS,example,eg,at1.trackurcar.com,7000,13000000157,123456

3.8 Click **Finish--Tracking Map** to see if the gps device is online or not.

## 4. Set Wakeup Time

- 4.1 Login oversee tracking platform.
- 4.2 Choose the vehicle and click **Setting** at the top of vehicle list.
- 4.3 Click **Set Wakeup Time** to fill in the specific time that the device update data to the server.

### Set Wakeup Time

M588L updates one data per day at 12:30 by default, and it is able to update maximum 4 data each day. This setting is to set the data updating time, data at default mode.

Software will send this setting to the device automatically when it connect to the server at next wake-up, Minimum wake-up interval is 10 minutes

Wake up at certain time  Wake up with setting interval

Wakeup Time 1 :  :

Wakeup Time 2 :  :

Wakeup Time 3 :  :

Wakeup Time 4 :  :

4.4 Click **Send**, the setting is finished.

### 5. SMS Configuration

Function	Command	Explanation of command
Configuration	<pre>&lt;SPGM*P:GMGPS*A:{APN},{APN_UserName},{APN_Password}&gt; &lt;SPGM*P:GMGPS*U:{IP}:{Port}*N:{SystemNo}&gt;</pre>	<p>Eg.:&lt;SPGM*P:GMGPS*A:safaricom,saf, data&gt;</p> <p>This command is for setting APN.</p> <p>Eg.:&lt;SPGM*P:GMGPS*Q:at1.trackurcar.com:20005*N:13100125288&gt;</p> <p>This command is for setting IP and port.</p>
Check status	<CKGM>	Check the status of the device.
Set wakeup time	<SPGM*P:GMGPS*R:0930,1230,1600,2300>	After sending this command, the device will send data on 09:30, 12:30, 16:00, 23:00 everyday. It's also ok to set the device only send one, two or three data per day.
Set real-time tracking mode	<SPGM*P:GMGPS*D:010>	This command is to set the interval as 10 minutes. After sending this command, the device will update data every 10 minutes.