

GPS Tracking Device

Model NO.: M588LR

User Manual

Version : Rope-E19111901

Notes:	2
1. Product Introduction.....	3
2. Characteristics	4
2.1 Red LED (GSM working status indicator)	4
2.2 Yellow LED(GPS status indicator).....	4
2.3 Red/Green LED (Charger indicator)	4
3. Web based tracking online activation	5

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

M588LR, 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) Built-in antenna;
- 2) Real time tracking at interval;
- 3) GPS and LBS location;
- 4) Low power consumption <3.5uA;
- 5) Support voice monitoring via phone call;
- 6) Rechargeable battery 7500mAh;
- 7) Support to store maximum 600 location points in GSM signal blind area and resend data when signal recover;
- 8) Overspeed alert
- 9) Remove alert: trigger an alert on platform if it detects the environment gets lighter;
- 10) Geofence alert.
- 11) Wireless and magnetic, easy to hide and install;
- 12) Battery working time:

Real time tracking mode: $7200/(50 \times X + (24 - X) \times 6.5)$, X is the driving hour in a day.

For example, if the car drives 1 hour per day, the battery will work for 36 days. And if the car drives 8 hours per day, the battery will work for 14 days.

Deep battery saving mode:

25 days -- updates data every 10 minutes;

120 days -- updates data every 1 hour;

2 years -- updates data every 12 hours.

Battery saving smart mode(default mode): $7200/(50 \times X + (24 - X) \times 2.8)$, X is the driving hour in a day.

For example, if the car drives 1 hour per day, the battery will work for 62 days. And if the car drives 8 hours per day, the battery will work for 16 days.

2.1 Red LED (GSM working status indicator)

LED Status	Meaning
Fast Flashing	Searching for GSM signal
Slow flashing	GSM signal is normal
Always keep on	GPRS connected with server
Continuously in dark state	No GSM signal/not install SIM card/GSM in sleep mode

2.2 Yellow LED(GPS status indicator)

LED Status	Meaning
Fast Flashing	Searching GPS signal
Always keep on	GPS located
Continuously in dark state	GPS in sleep mode/not working

2.3 Red/Green LED (Charger indicator)

LED Status	Meaning
------------	---------

Red	Charging
Green	Full charged

2.4 Specification:

Items	Parameters
GSM Module	MTK2503
GSM Frequency	850/900/1800/1900 MHZ
LBS Positioning Accuracy	100-500m
GSM Antenna	Built-in
GPS Chipset	Built-in
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
Max Altitude	18000m
Max Speed	515m/s
Gravity Acceleration	<4g
Working Current	60mA~80mA
Operating Temperature	-25℃—75℃
Humidity	5%—95%
Weight	255g
Size	86mm × 62mm × 30mm
Sim card	Normal sim card
Battery	Rechargeable Lithium polymer battery 7500mAh
Internal battery Standby	3 years

3. Web based tracking online activation

3.1 Open website **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	Activate
 M-23 UAQ 246K	DJ808	ID: 13000000158 IMEI: 011653707339 Phone number: +25619666820185	 RL12: 12V Relay  Mic-Rope: Mic-phone		2019-07-24	Stephen Kibuuka Tel:	Activated 2019-09-08 06:03:18	this is edit
 unknown	DJ808	ID: 13000000159 IMEI: 011752301171 Phone number: +25611752301171	 RL12: 12V Relay  Mic-Rope: Mic-phone				Activated	edit
 H 10	DJ808	ID: 13000000166 IMEI: 011752301172 Phone number: +25611752301172	 RL12: 12V Relay  Mic-Rope: Mic-phone		2019-07-24		Activated 2019-09-08 06:04:00	edit

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

None Group

Plate Number/Name*

Required

Country*

Please select

Vehicle Type*

Please select

Login Password via Plate Number/Name

123456

Purchasing Date

Vehicle Brand

Starting Mileage

0

Manufacturer Official Fuel Consumption(L/100Km)

0

Owner Name

Mobile of Owner

> Next Step

X Cancel

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

Installed Tracker Information

Please complete the blanks with "*" behind.

Tracker Model*

M588T(Standard vehi

IMEI of Tracker*

Inserted SIM Card's Phone Number*

+93

Phone number

Time Zone*

Please select time zone

Installation Date

Please select installed accessories:



Digit Input for SOS

No accessory co



Digit Output for Engine

No accessory co



Mic-phone Portal

No accessory co

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*	Please select telecom	Enter Telecom Name
APN*		
APN Username		
APN Password		

[< Back](#)
[> Next Step](#)

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

[✓ Finish](#)

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.

4.4 SMS command

<SPBSJ*P:BSJGPS*T:120.024.176.195,6695*A:CMNET*C:30*3P:XTTT>

***T:120.024.176.195,6695**

Server IP and port, each part of the IP address should be 3 digits.

***A:CMNET**

APN setting, if the APN requires username and password, it should be as bellow:

***A:CMNET,Username,Password**

***C:30**

Location data uploading interval time, unit is second, the interval should be 3s~10800s, this is for X=0/2 mode.

***3P: XTTT**

This part is for setting working mode.

X=0 real time tracking mode.

X=1 deep sleeping power saving mode.

X=2 smart power saving mode, tracker upload location data with interval when there is motion detected.

TTT: location data uploading interval for X=1, unit is minute, the TTTT should be 10~720.

SMS command for setting working mode separately:

Realtime mode: **<SPBSJ*P:BSJGPS*3P:0>**

Deep sleeping mode(wake up and upload location data in every 10 minutes and then sleep):
<SPBSJ*P:BSJGPS*3P:110>

Smart power saving mode: <SPBSJ*P:BSJGPS*3P:2>