



GPS Tracking Device User Manual

Device Model NO.: M558T

Version : Rope-E18091501

Notes:	2
1. Product Introduction	2
2. Characteristics	3
2.1 Specifications	3
2.2 Device wiring diagram	4
2.3 Definition of the line of the LED connector	5
3. Installation Guidelines	5
3.1. Get the Tracker to be ready	5
3.2 Installation	5
4. Activate Tracker on Web Tracking Platform	7
5. SMS Command List	9
6. Trouble shooting	10

Notes:



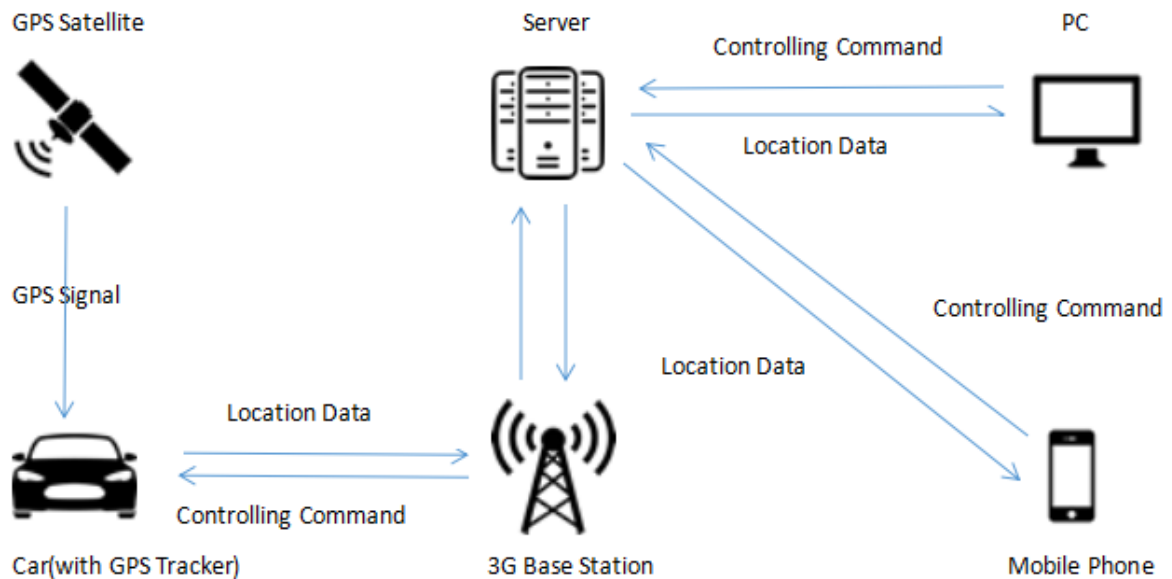
- Please mount the device steadily on the flat place before using;
- Please make sure the voltage value is right before connecting with battery, and placing the wires to where shouldn't be trodden;
- Please power off when plugging or taking out of any module or connector;
- Please keep the device dry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

GPS Tracking device mainly consists of two parts such as GPS module and GSM module. GPS module is for getting location data from satellite, and GSM module is for transferring data to server so that people can check the information via PC or mobile phone. Our GPS Tracking device, with the best quality, stable performance and versatile functions, can be applied to various kind of fleet management like construction trucks, rental cars, logistics vehicles and public transportation, anti-theft system and security purpose.



2. Characteristics

- 1) Support LTE/GSM
- 2) Wide for voltage input range: 9-90VDC
- 3) GPS continuous positioning
- 4) ACC detection
- 5) Cut off engine remotely
- 6) Get location via SMS & web platform & APP.
- 7) Built-in G-sensor, theft-proof
- 8) Setting three phone numbers for alarm alert
- 9) Trigger power off alarm when the power supply is disconnected intentionally (with backup battery)
- 10) Support GEO-Fence alarm, over speed alarm, harsh acceleration/braking/cornering alarm

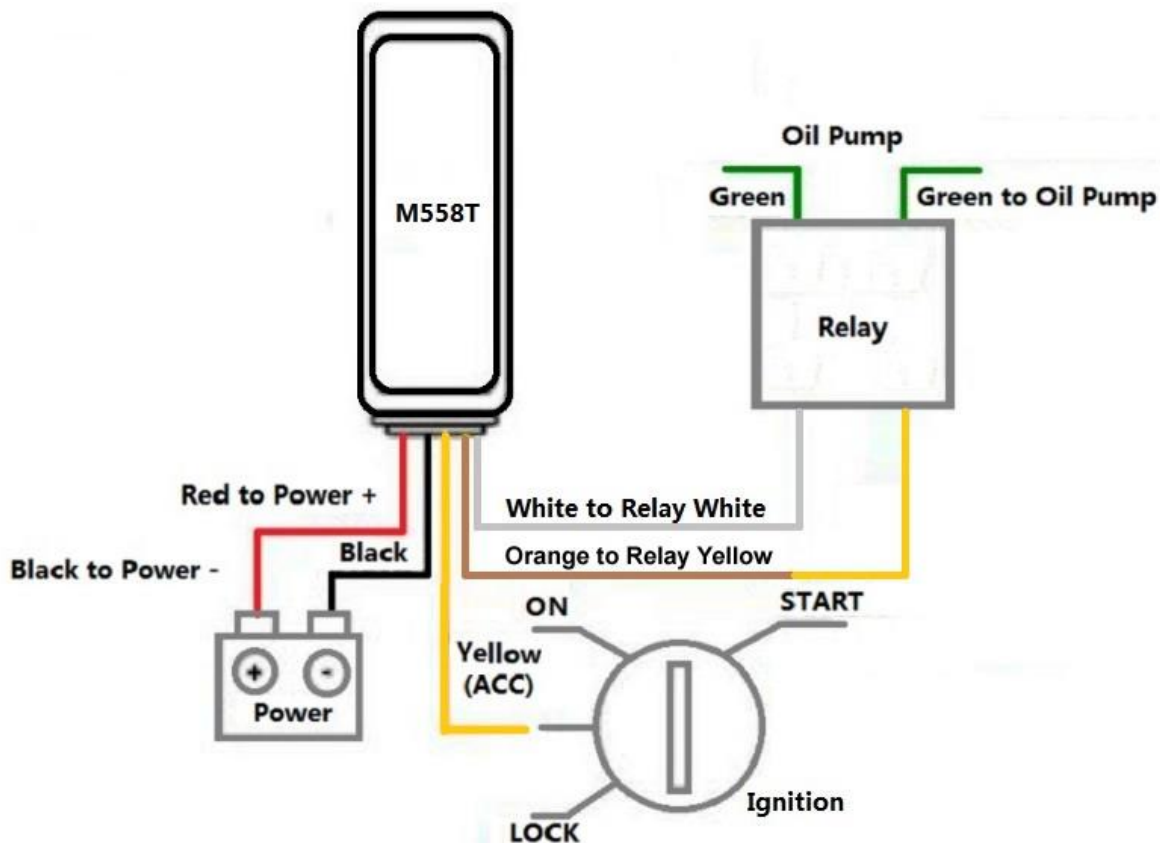
2.1 Specifications

Items	Parameters
work voltage	9~90VDC
work current	30mA-55mA
GSM module	EC600U-EU
Support LTE/GSM Frequency	LTE-FDD: B1/B3/B5/B7/B8/B20/B28 LTE-TDD: B38/B40/B41 GSM: B2/B3/B5/B8
Communication protocol	TCP/UDP
GPS module	Built-in
GPS sensitivity	-157dBm

Channels	22 channels examine track
Position accuracy	2m
Cold boot	32s
Work temperature	-20~70℃
Humidity	5% to 95% non-condensing
Terminal size	86mm*37mm*15mm
Gravity Acceleration	<4g
Operating Temperature	-20℃—65℃
Humidity	5%—95%
Internal Battery	50mAh/4.2V
weight	40g

2.2 Device wiring diagram

Red wire	Connect with positive of power
Black wire	Connect with negative of power & black wire of relay
Yellow wire	Connect with ACC cable of the car
Brown wire	Connect with yellow wire of relay
White wire	Connect with white wire of relay



2.3 Definition of the line of the LED connector

LED type	LED status
Green (GSM Indicator)	Not bright: No power/device failure
	Keep ON: Connected with the server
	Slow flash(1 time/s): searching GSM signal
Blue (GPS Indicator)	Not bright: No power/device failure
	Keep ON: Connected with the server and located
	Slow flash: searching GPS signal

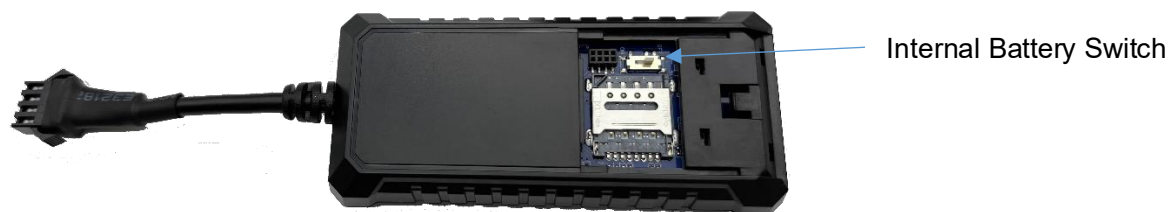
3. Installation Guidelines

3.1. Get the Tracker to be ready

3.1.1 Open the packing box to check whether the type of device is correct and whether the accessories are included.

3.1.2 Get a Micro SIM card which support SMS and data(voice communication is recommended), insert the SIM card into the tracker, please mind to install on correct direction.

3.1.3 Turn on the internal battery switch beside the SIM card slot.



3.2 Installation

3.2.1 Installing Position

To prevent some one remove the device, it should be installed as covertly as possible. Covertly installation is suggested. As bellow:

- Shelter in the decoration frame below the front windshield of the car;
- Shelter around the car front dashboard which is covered with non-metallic material;
- Underneath the decoration board under rear windshield of the car;
- Inside the car door or car central pillar;
- Inside the dashboard or shelter under the back seat.

Car installation diagram:



Motorcycle installation diagram:



3.2.2 Tamper-proof

Avoid placing the device close to higher power electrical devices, such as reversing radar, anti-theft device or other vehicle communication equipment, there should be no metal object above the device to interfere with GPS/GSM/LTE signal reception.

3.2.3 Cable connection.

◆Power Connection:

Please mind to connect the tracker to car/bike battery, it is recommended to keep the connection points of the positive and negative poles away from each other.

◆ACC Connection:

Please pay attention to connecting the ACC cable properly. You can verify whether the ACC connection is correct by starting and stopping the car engine and making sure the platform indicate ignition status correctly, if the ACC cable is not connected correctly, the tracker can not works well.

◆Relay Connection:

If you want to control the engine of the car/motorcycle, please connect the relay to the circuit of the fuel pump as the diagram indicate, and then try to disable/enable engine from platform to verify whether it is connected correctly.

3.2.4 Check the GPS signal strength

Please send SMS command STATUS# to check the GPS signal status, the reply content will contain bellow information:

GPS Signal Level:25,41,32,34,36,39,33,9,28

Each digit indicates the GPS signal strength from a GPS satellite, there should be at least 4 satellites with signal strength over than 30, if no, please mind to adjust the installing position until the signal strength meet the requirement.

3.2.5 Fix the tracker in the car/motorcycle.

The device has built-in GSM antenna and GPS antenna, please make the side with SIM card slot face to the sky for getting better GPS signal, with no metal object above the device to interfere with GPS reception, then use the Velcro to fix the tracker on the car.

4. Activate Tracker on Web Tracking Platform

4.1 Open website **www.OverseeTracking.com** and login with the user & password that provided by Rope.

4.2 Click **Information Management**

4.3 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 246K	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 06:03:18	  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 06:04:00	 

4.4 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

4.5 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

4.6 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

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

4.7 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](#)

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

5. SMS Command List

Function	Command	Notes
Restart	RESET#	The device would reboot in 20S after receiving the command.
Get Location	URL#	Tracker will reply as bellow: <08-16 16:30>http://maps.google.com/maps?q=N23.168629,E113.433510
Check Tracker Settings	PARAM#	Tracker will reply as bellow: Id:0425041605765; TIMER:30,180;HBT:1,LOCK=0; SOS:,,; Center Number;; Defense time:600; TimeZone:E,8,0; APN:cmnet,,; Server:1,at2.truckurcar.com,9999;808 Start stop condition:ACC
Check Tracker Status	STATUS#	Tracker will reply as bellow: External power:ON,28.51V;

		GPRS:Link Down Signal Level:30; GPS:Successful positioning; SVS Used in fix:6(8); GPS Signal Level:27,21,30,18,20,47,44,0; ACC:OFF;Defense:OFF;Relay:Enabled; Oil1=29,oil2=0,tp1= 34,tp2= 33;
Engine Control	Enable engine: RELAY,0# Disable engine RELAY,1#	Only the center phone number can send these two engine control command, you need to set the phone number to be center phone number via following command: SOS,A,Phone_Number, # CENTER, A,Phone_Number#

6. Trouble shooting

6.1. After install the tracker and activate on web tracking platform, if the tracker did not upload location to the tracking platform, follow the steps below:

6.1.1 Call the device.

◆ If it can be got through, go to the step 6.1.2.

◆ If it can not be got through, check bellow items:

- a) Check whether the SIM card installed correctly or not. Check whether the power connection. (Details: If the users are testing the device in office or at home, M558T should be connected to 12V DC external power supply since the internal battery may has no enough power to load it work. If it is installed in the car, make sure the tracker power cable is connected to car battery correctly.)
- b) Check the LED status. In normal working status, the LED on the main board will light up.
- c) Check whether the vehicle is in no GSM signal area, such as underground parking;

6.1.2 Send SMS command PARAM# to check tracker status.

- a) Check whether the APN is correct,
- b) Check whether the IP/domain name and port is correct.
- c) Check whether there is enough data credit in the SIM card.

6.1.3 If still can not fix it out, please contact the supplier for further help.