

# User Manual

## MT-1

### GPS Tracker

### (Vehicle/Motorcycle)

Version:08



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## 1. Specification

GSM module MTK program, GSM 850/900/1800/1900

Support TCP protocol

GPS Chipset U-BLOX 7020(Support GPS/Glonass/Galileo/Compass)

GPS sensitivity -162dB

Hot start 1sec.,average

Warm start 30 sec.,average

Cold Start 35 sec, average

Altitude Limit 18,000 meters (60,000feet) max.

Operating temperature -20°C—65°C

Battery Volume 150mAh

Dimension 89mm×51mm×15mm

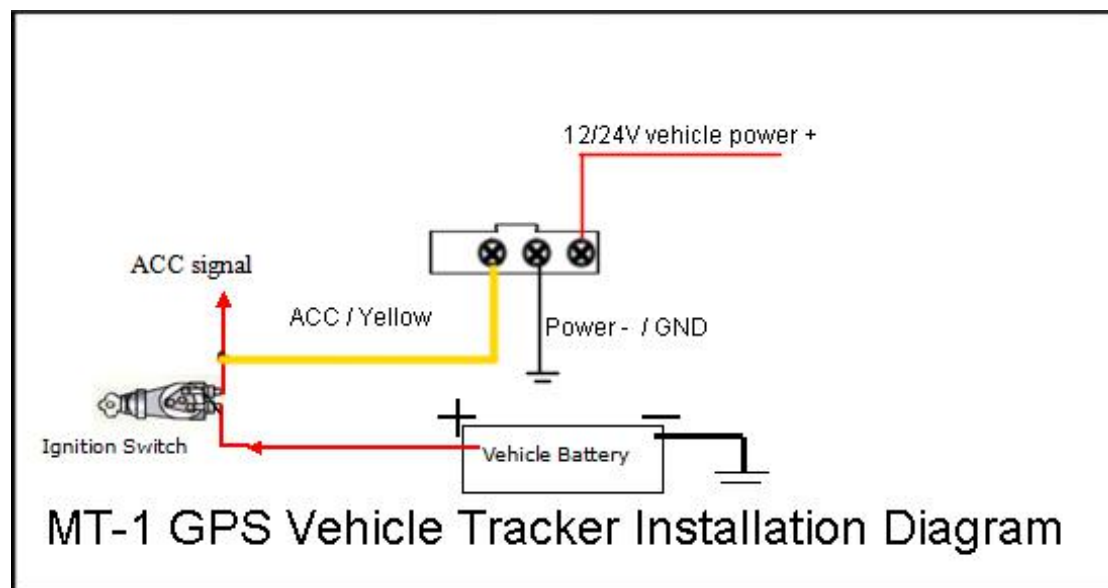
Voltage 10V – 45V

## 2. Wiring connections

Red (+)12V -24V

Black GND(-)

Yellow: connect with car ACC



## 3. Led light description

Blue LED Light--- GPS Status

Status	Meaning
Flash	No gps signal, or searching for gps signal
Always on	GPS Signal ok

#### Green LED Light---GSM Status

Status	Meaning
Flash	No sim card, or searching for gsm signal
Always on	GSM Signal ok

### 4. Important Notice:

1. This tracker have two work mode which is SMS and GPRS Mode. SMS mode is for off line tracking by Mobile phone. GPRS Mode is for on line tracking by computer and mobile phone .
2. Default password 0000

### 5. Detail Operation

#### 1. Controller phone number

Command: controller phone number+ user password +space+Sequence number (1-3)

Eg: 158111122220000 1

Reply : SET USER NUMBER 1 OK.

Eg: 168111122220000 2

Reply : SET USER NUMBER 2 OK

Eg: 178111122220000 3

Reply : SET USER NUMBER 3 OK

Note: 1. Tracker can have three pre-saved number

2. New Number can cover the old number

3. No pre-saved number also can control the tracker, but alarm information only to pre-saved number

#### 2. Work Mode Exchange :

SMS Mode Command: 700+ user password

Eg: 7000000

Reply: SET MODE OK, CURRENT MODE: SMS

GPRS Mode Command: 710+ user password

Eg: 7100000

Reply: SET MODE OK, CURRENT MODE: GPRS

#### 3. Change user password

Command: 777+new password +old password (4 figures)

Eg: 77712340000

Reply: SET USER PASSWORD OK

#### 4. Request the single position

Command: 666+ user password

eg: 6660000

Reply: when the tracker receive the command, then will send the position with longitude and latitude

### **5. Request location with Google map URL link**

Command : 669+ user password

Eg: 6690000

Command: Reply : When the tracker receive the command, tracker will send a Google link to the sender

### **6. Command Get Daily report:**

Command : 665+ user password+HHMM

Example: 66500001022

Reply: SET DAILY REPORT OK

Note: HH stands for hour with defined range of [00, 23]. MM stands for minute with defined range of [00, 59].

Close daily report function: 665+password+OFF (Default)

Example: 6650000OFF

Reply: SET DAILY REPORT OFF

### **7. Geo- Fence**

Turn On Geo-fence

Command: 211+ password

Eg: 2110000

Reply: GEO-FENCE ON

Set Geo Fence Command: 005+user password+Space+R

E.g: 0050000 1000

Reply: GEOFENCE ON

R=Geo-fence radius, in the unit of meter, for accuracy reason, better more than 1000meter.

1000 means geo-fence radius is 1000meter

Turn geo-fence off

Command: 210+ password

Eg: 2100000

Reply: GEO-FENCE OFF

### **8. Battery low voltage alert**

While device detect internal battery is low power, it will send coordinate message with STATE:LOW P O W E R

### **9 .Alert while power off**

Open the power off alert Command: 011 + user password

eg: 0110000

Reply: POWER ALARM ON

Close the power off alert Command: 010 + user password

eg: 0100000

Reply: POWER ALARM OFF

## 10. Power cut

Cut power: 940+password

Eg: 9400000

Enable power: 941+password

Eg:9410000

## 11. Mileage Statistics(Software Support)

Set initial mileage value (zero clearing)

Command: 142+PW<+M+X>

Eg : 1420000

Reply : MILEAGE STATISTICS RESET OK

Eg : 1420000M1000

Reply : SET TOTAL MILEAGE OK,CURRENT: 1000

Note: M is delimiter, X is initial mileage value with unit of meter

Read current mileage

Command: 143 + user password.

eg: 1430000

Reply : MILEAGE STATISTICS:ON, CURRENT TOTAL MILEAGE:XX.

## 12. Time Zone

Command: 896 + user password + D + NN

Eg: 8960000E08

Reply : TIME ZONE SET OK,CURRENT: E8.

Note : D takes E or W to indicate east or west time zone respectively. N takes a 2-digit number (1-12) to indicate time zone number.

## 13. Overspeed Alarm

Command : 122+user password+space+X

Eg: 1220000 120

Reply: SET RATE LIMIT:120

Close command : 1220000 0

Note : X is speed benchmark value, which is an integral number. unit is KM/H with defined domain of [0, 999].

## 14. Tow alarm

Turn on tow truck alert: 181 + user password + TX

Eg: 1810000T15 (15 seconds)

Reply : TOWED ALERT ON

Turn off tow truck alert: 180 + user password

Eg: 1800000

Reply : TOWED ALERT OFF

Note: X is the continuous time, the wide is 【15, 100】 , the unit is second

## 15. Set Defence Alarm ON/OFF

Set Up Defence: 712+password

Eg: 7120000

Reply: SF OK

Set Down Defence: 713+password

Eg: 7130000

Reply: CF OK

#### 16. Set ACC alarm:

**Turn on acc alarm SMS: 886+user password**

Eg: 8860000

**Turn off acc alarm SMS: 887+user password**

Eg: 8870000

**Turn on acc alarm phone call: 888+user password**

Eg: 8880000

**Turn off acc alarm phone call: 889+user password**

Eg: 8890000



#### 17. Sleep Mode:

**Turn on sleep mode:**

SLEEP+user password+space+X

X means sleep time, from 1-720, in the unit of minute. If device not receive any command or move at the X time you set, device will close GPS,GSM module, and be in power saving mode.

Eg: SLEEP0000 1

Reply: SET OK

**Turn off sleep mode:**

SLEEP+user password+space+0

Eg: SLEEP0000 0

Reply: SET OK

#### 18. Set Access Point Name (APN)

Command1: 803+user password+space+APN

eg: 8030000 CMNET

Command2 : 803+user password+space+APN+space+APN user name+space+APN Password

Reply: SET GPRS APN OK

#### 19. Set server IP address and Port

Command: 804+user password+space+IP+space+Port

Eg: 8040000 58.64.205.22 8000

Reply: SET SERVER IP AND PORT OK

### 18. Set Data upload interval time

Command: 805+user password+Space+X

Eg: 8050000 20

Reply: SET OK

Device will upload location to platform every 20 seconds when car acc is on.

Command: 809+user password+Space+X

X is the location upload interval when car acc off, in the unit of seconds.

Eg: 8090000 60

Reply: SET OK

Device will upload location to platform every 20 seconds when car acc is off.

Note : X is mean interval time, the unit is seconds, the wide is 【1, 1800】

We suggest X be no more than 480 seconds to avoid gprs traffic jam.

Specail Command :

- 1、Reset Command : RESET
- 2、Restart Command RESTART
- 3、Read the current setup information Command: RCONF

## Track by 900D web based tracking software Setup.

Please follow above commands to set ip,port(IP is 58.64.205.22, port 8000), and APN, data upload interval.

Then please go to <http://www1.igpstracking.net/>

Enter the user name and password we provided. After log in, please go to “User Center-Asset Manage”, click “Add”

Asset Name	Device ID	SimCard No.	Device Type
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Asset Name: Define by yourself; you can enter A-Z number or Numeric

**Very Important Note:** Terminal ID and Plate number are unique on the software, you can add once only, you need to delete it from database before adding it again. Only admin account can delete id from database, general user cannot. You do not need to delete and re-add if the device cannot work on software, because it's caused by your wrong sms setting, not the software.

Create time: **Do not choose.**

Activation time: **Do not choose.**

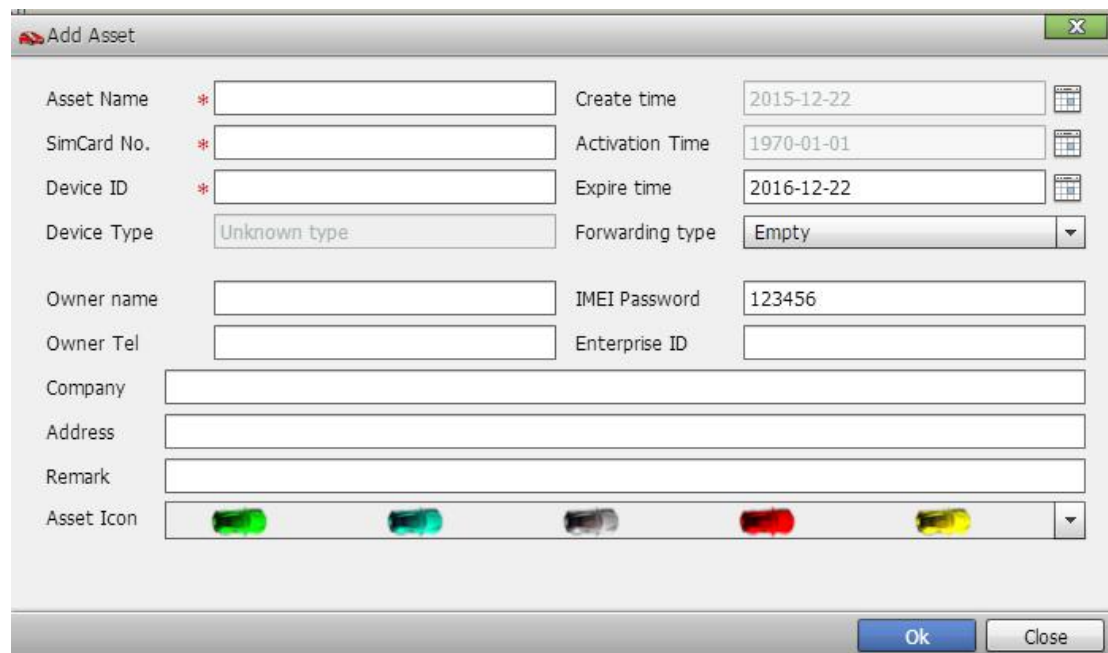
Expiry time: **Define via yourself.**

**Forwarding type: Null**

SIM card: the SIM card phone number you put in MT-1 or any number.

Device ID: On the vehicle of MT-1, you can find the "Device ID".

Asset Password: define by yourself.



Click "Submit", and then you add the GPS tracker MT-1 successfully on the software 900D.

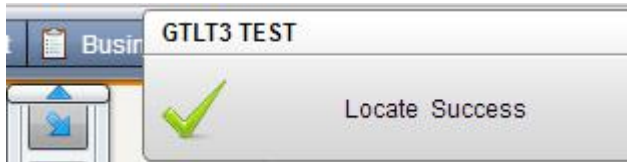


**Wait few seconds**, and you will see the GPS Tracker online icon on software





Put a check mark on the device, and right click, you will see the menu as below picture. Now you can track online.



**Attention: For 900D GPS Software, "Monitor" and "Number Plate" must be checked till the font becomes blue, then the GPS tracker will update location automatically on map. Like below picture:**



#### Contacts

If you encounter any problems when using our products, and cannot solve them by yourself, please contact our technical support team by writing an E-Mail to us. We will be pleased to help you.