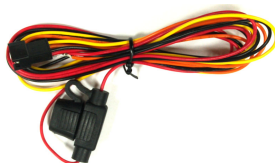# GPS Tracker
Manual

Model:MT05&MT05A

Please read this manual carefully before attempting installation and online activation. Pictures are for indication and illustration purposes only.

Accessories:

Power cables：   Relay：

Optional accessories for MT05A(8 PIN cables):

Microphone：   SOS button：

1. Functions

- GSM 850/900/1800/1900MHz
- Voltage: 9-100 V DC
- GPS location, GPRS timing report
- Inquires the position by SMS or mobilephone or PC
- Built-in vibration sensor, vehicle anti-theft
- ACC ignition signal detection, vehicle state hint
- Can remote control vehicle cut-off oil or electric
- Power cut-off alarm

2. Specification

GSM: 850/900/1800/1900MHz
GPRS: Class 12, TCP/IP
Voltage: 9-100V DC
Current:≈22mA（12vDC）
          ≈12mA（24vDC）
GPS fixed time: Cold start 30sec(open sky)
                Warm start 29sec(open sky)
                Hot start 5sec (open sky)
GPS fixed precision: 10m (2D RM)
Temperature: -20℃ ~ +70℃
Humidity: 5% ~ 95% RH
Dimension: 70.0(L)x40.0(W) x17(H)mm
Weight: 60g

3. Installation steps

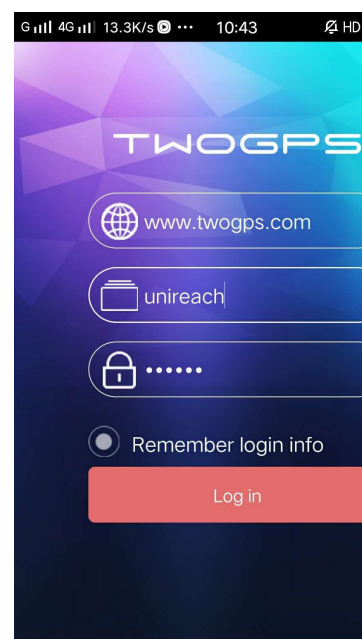1.Insert GSM simcard,and note down the IMEI Number of tracker

2. Switch on the tracker(There is one small switch button on PCB)

3. Install wire cables&relay according to wiring diagram

4. Send sms to Set admin&SOS number,apn name

5. Track on APP/web platform:
Search APP from IOS store/Google play by name"TWOGPS",install APP to your phone,and login by account

TWOGPS

www.twogps.com

unireach

......

Remember login info

Log in

Prepare

3.1.1 SIM Card:Please use a GSM SIM card(2G , 3G or 4G mixed with 2G)

3.1.2 Before insert the SIM card, be sure to turn off the device.

3.1.3 Be sure the GPRS of simcard is available; if not, please contact the simcard Provider.

3.1.4 Be sure the sms function of simcard is available.

3.2 Simcard installation and switch on tracker:

       1).Open the case of GPS   2).Insert GSM simcard   3).Swith on tracker:
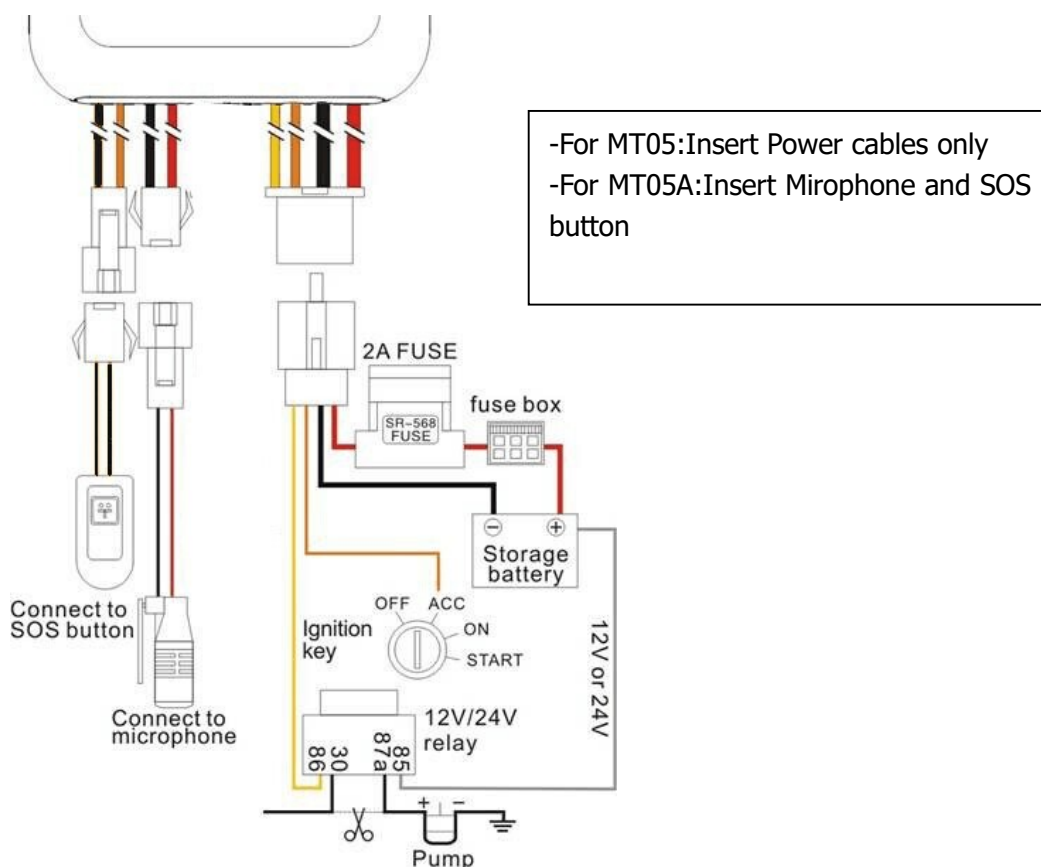

       3).Cover the case of GPS

3.3 Installation

Please pay attention to the following matters:

3.3.1 Equipment with GSM antenna and GPS antenna, installation shall ensure that face up (skyward),and above no metal barrier shield, suggest installation position:

Front windshield decorative below the covert,Front panel (skin for non-metal material) around shadow Rear window below decorative

3.4 Device connection diagram

-For MT05:Insert Power cables only
-For MT05A:Insert Mirophone and SOS button

4. Settings by sending SMS:

All commands will be replied by tracker. If set successful it will reply " **** successfully!" otherwise need to check the format and set again. Send the corresponding commands ,the device will reply the corresponding results.

4.1 Set the admin/SOS number:

Notes: If you want to use SMS to set device's working parameter or control the device, you must set the admin number first. Device only accept SMS commands from the admin/SOS numbers, you can set your mobile phone number as the admin number(country code is needed in front of the admin number.Example, code for China is :+86 ,so you can set the admin number to be: +8613800138000 .

Set the admin phone ,SMS command: admin123456 numbers
Example: admin123456 +8613510460105
If the service admin number is set successful, the device will reply: admin OK!

Note: All the other sms commands should be set by the admin/sos numbers
4.2 Language setting:
Format1:LAG2   (The replied sms from tracker will be in Chinese)
Format2:LAG1   (The replied sms from tracker will be in English)

4.3 APN setting:
Format (APN with username and password):apn123456 apnname
Example：APN123456 intenet

Format(APN username)user123456 username
Example：user123456 123
Format(APN password)password123456 123

4.4 TIMER SETTING(when vehicle is moving):
Format:upload123456 10
Means GPRS data will be transmitted to server every 10 seconds,timer should be 10~60(unit:seconds)

5.1Led status:

LED scintillation state meaning interpretation

LED	Scintillation state	Meaning
Blue (GPS)	on	Searching signal
	flash	GPS signal fine
	off	In sleep/power off
Green (GSM)	On	Searching signal
	flash	GPS signal fine
	Off	In sleep/power off

5.2 Commands List

1)ADMIN

Text command	Parameter	Example
ADMIN Add	SOS,A,number	SOS,A,13500135000#
ADMIN Del	SOS,D	SOS,D
Command Description	1)SOS number can control the oil and power and resume factory settings 2) SOS number can receive the call and text of vibration alarm and over speeding alarm. 3) SIM must display the income call number to control oil and power. 5) Change SOS number must resend the command. 6)Add new SOS number by SOS,A, and delete by SOS,D	
Command Feedback	Successful Setting：SOS number added successfully	

2)APN

Text command	Parameter	Example
APN Setting	APN123456 apnname user123456 user password123456 pass	1：apn123456 internet 2：user123456 username 3：password123456 password
Command Description	APN differs according to the local telecom operators. For example：APN request password，please refer to Example2&3，and Example1 for no password.	
Command Feedback	Successful Setting：SET APN OK！	

3)UPLOAD TIME

Text command	Parameter	Example
TIMEER Parameter setting	Upload123456 time	Upload123456 10
Command Description	Time scope: 10~300 seconds, means time interval upload data to server	
Command Feedback	Successful Setting：SET upload time OK！	

4)RELAY(oil control)

Text command	Parameter	Example
RELAYParameter1	oil,0	oil,0 cut off oil / power
RELAYParameter2	oil,1	oil,1 resume oil / power
Command Description	1)RELAY control the start and closeness of the relay 2) Only the admin/sos numbers can operate. 3）the device only cut off the oil circuit on the condition of the speed below 20KM/H	
Feedback	Successful Setting：Oil was cut off successfully	

5)SERVER 《If using our platform(TWOGPS),no need to set Ip/port any more》

Text command	Parameter	Example

SERVER Parameter	szcs,123456,domain=www.twogps.com:8083	szcs,123456,domain=www.twogps.com:8083
Command Description	Change the IP and port when move to a new server port：10~65535 1 is domain and 0 is IP；	
Command Feedback	Successful Setting：Set domain successfully	

6)Local Time zone by SMS(local time on APP/platform,need to set on platform)

Text command	Parameter	Example
GMT	time,+zone	Time,+8　　　means,East time zone 8 Time,-5　　　means,west time zone 5
Command Description	The default time zone is China Beijing time. If time zone need revised, please operate according to the above command.	
Command Feedback	Successful Setting：SET time OK！	

7)VIBRATION

Text command	Parameter	Example
VIBRATION Parameter	vibalm,1 vibalm,0	1) vibalm,1　Open vibration alarm 2) vibalm,0　Close vibration alarm
Command Description	When there is motion,GPS will make VIBRATION alarm after vehicle stopped over 5 minutes	
Command Feedback	Successful reply：Open vibration alarm successfully	

8)OVERSPEED

Text command	Parameter	Example
Overspeed	speed,value,time	speed,100,3 Means:When speed is over 100KM/H ,more than 3 seconds,it will make alarm by SMS
Command Description	Must set the admin/sos number and receiving number.	
Command Feedback	Successful Setting：.Set speed limit successfully	

9)Voice monitor

Text command	Parameter	Example
Power supply cut	jt,0 jt,1	1) Voice monitor closed 2) Voice monitor opened
Command Description	When sos/admin phone call the GPS simcard number,GPS will answer the calling automatically	
Command Feedback	Successful Setting：Voice monitor closed	

10) Power supply cut off alarm by SMS

Text command	Parameter	Example
Power supply cut	Power,1 Power,0	1)Open the sms alarm when cut off power supply 2) Close the sms alarm when cut off power supply
Command	When power supply is cut off,GPS will make alarm by sending to admin/SOS phone	

Description	numbers
Command Feedback	Successful Setting：Set external power alarm successfully

11) Google map link		
Text command	Parameter	Example
Power supply cut	google	google
Command Description	GPS will reply to you by SMS with google maplink	
Command Feedback	Successful Setting：SET power alarm OK!	
12) **Check settings**		
Text command	Parameter	Example
Lower alarm	Check123456	Check123456
Command Description	P4_2019/01/02 16:26 ID:866126040000241 IP:www.twogps.com:8083 APN:CMNET GPS:0,V:0,T:19-3-15 4:16:25 GSM:20,VIB:0,JT:1,TAMPER:0,S:0,R:0,0 13510460105,,	
Command Feedback	Successful Setting：SET lower alarm OK!	

13)Status		
Text command	Parameter	Example
RESET	status	status
Command Description	Check the working satus	
Command Feedback	BAT:6 ,6 means……..battery is full; 0 means………………… …….No power GPRS:1 ,1 means …….GPRS signal is fine; 0 means……… ……...No GPRS signal GSM:4, 6 means……….GSM signal is the best; 0 means…………..No GSM signal GPS:1 ,1 means………. GPS signal fine; 0 means ……………………No GPS signal ACC:1 ,1 means ……….Acc is on; 0 means……………………………Acc is off oil:1 , 1 means……….Oil is normal; 0 means …………………………Oil is cut off Power:1, 1 means…….Power supply is connected, 0 means……..Power supply off S:1 1 means……….GPS armed; 0 means………………….………GPS Disarmed	
14)**RESET**		
Text command	Parameter	Example
RESET	reset,1	reset,1
Command Description	Resart the device	
Command Feedback	Successful Setting：Device will restart after 10S	

15)**FACTORY**		
Text command	Parameter	Example
FACTORY	Factory,1	Factory,1
Command Description	Restore the factory setting Only admin number/sos can initial this function	

	Factory setting will recover to the original setting
Command Feedback	Successful Setting：Will restore factory settings after 10S

16)**Language by SMS**		
Text command	Parameter	Example
LANG Parameter	LAG1	LAG1
Command Description	Means,GPS will reply SMS in English	
Command Feedback	Successful Setting：Switched to English	

6.Tracking online

Login our platform/ app from:www.twogps.com