



INSTALATION
AND SETUP MANUAL
SATELLITAL SYSTEM MT-01

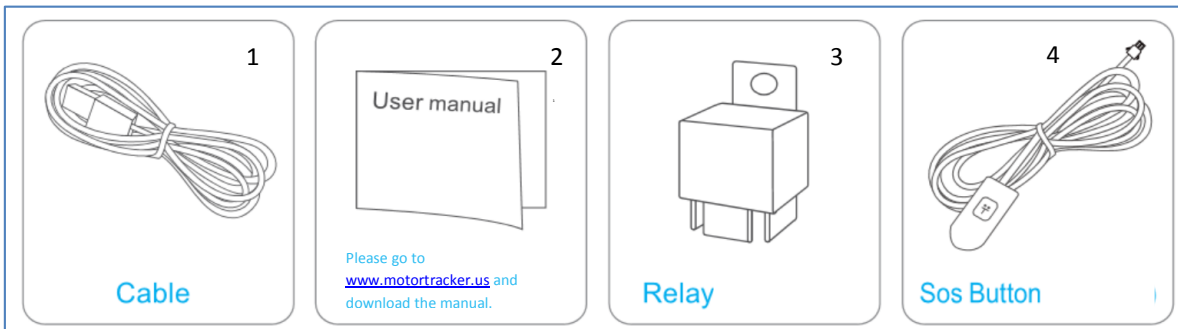


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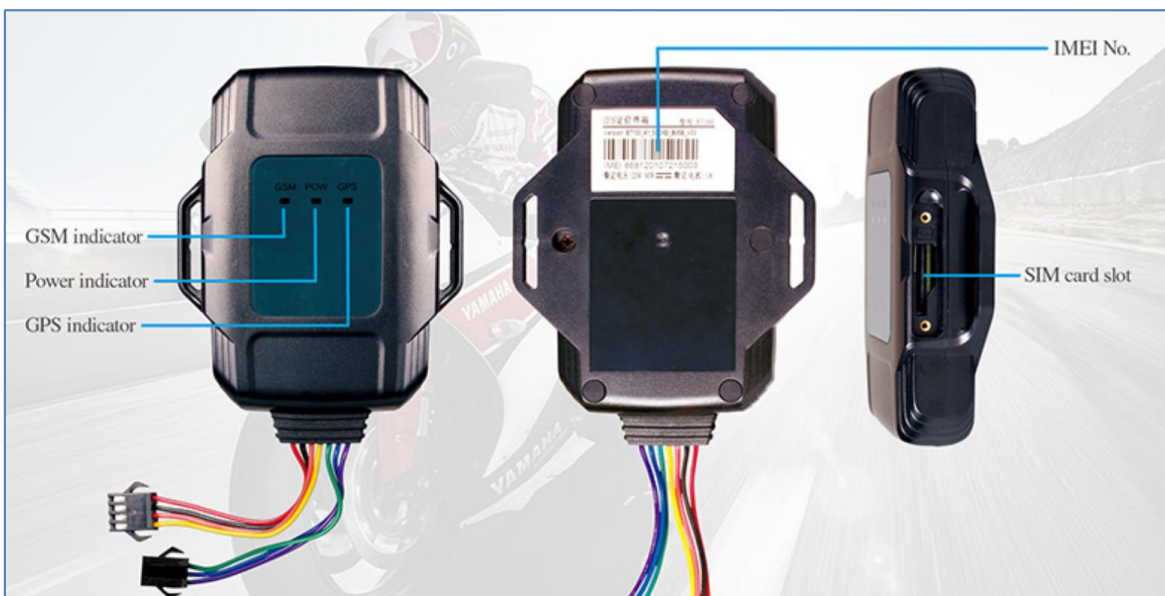
ACCESORIES

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



NOTE: After opening the packing box, please check if the accessories are complete. If there is anything missing, please feel free to contact MotorTracker or your Distributor.

PRODUCT DESCRIPTION



When red/green/blue 3 LED lights are flashing twice in cycle, it means the device is ready to go!

LED STATUS INDICATOR AND WIRING

Red LED (power/working status indicator)

Status	Meaning
Quick flashing	Low battery
Slow flashing	Battery fully charged
Continuously in bright	Charging
Continuously in dark	No battery / troubleshoot

Blue LED (GPS signal indicator)

Status	Meaning
Quick flashing	Searching GPS signal
Slow flashing	GPS signal is ok
Continuously in dark	GPS stop working

Green LED (GSM signal indicator)

Status	Meaning
Quick flashing	GSM initialization
Slow flashing	GPRS online
Continuously in dark	No GSM signal or no SIM card installed

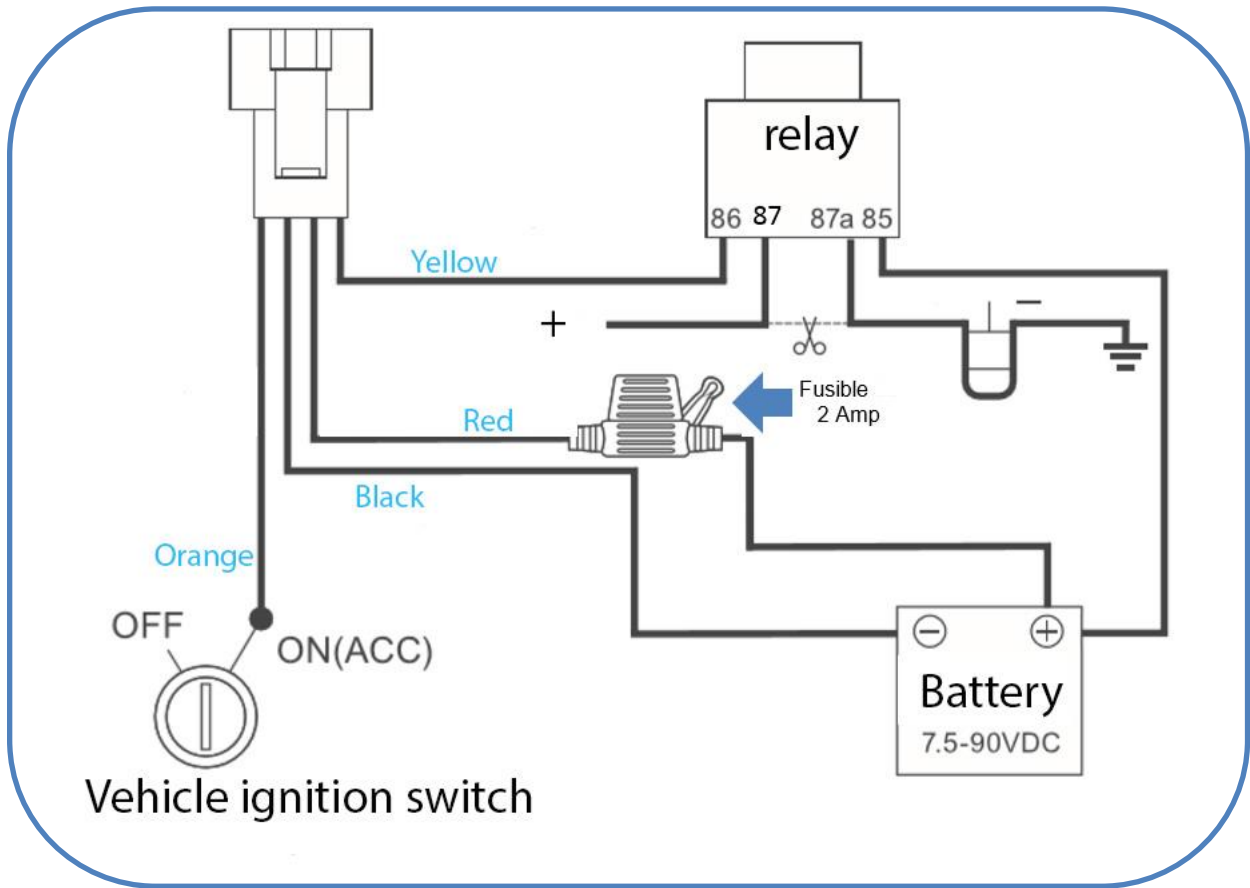
RECOMENDATIONS FOR INSTALATION

Device should be placed under cover place. It is highly recommended to ask professionals to install the device for you. Once finished all wire connections, **please** use the LED cycling to be sure that equipment is receiving good signal for GPRS and GPS where is located. Perform the setup of the device before ensemble all the parts removed for the installation.

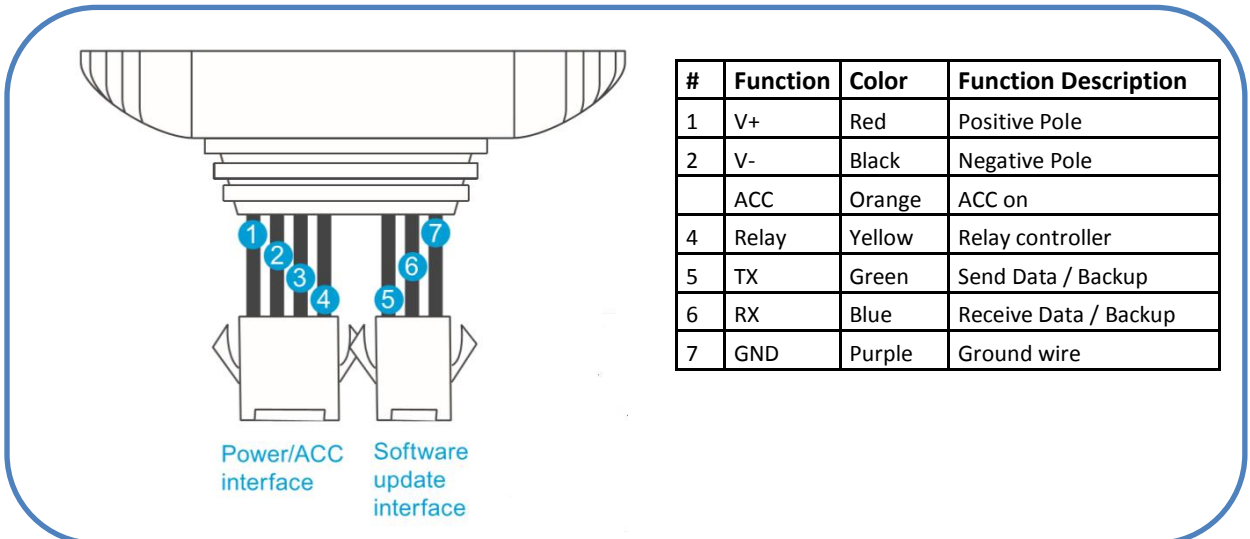
NOTE:

1. Protect the device from direct contact with water and dust.
2. Use bandage or foam tape to keep the device stable
3. Please make sure that the front side of the device should be facing up without any metal cover, otherwise GPS signal will be weaken.

INSTALATION MAP



WIRING



POWER ON/OFF

POWER ON

The device will be automatically turn ON when you insert the SIM card. The battery will connect the internal wires together in the device and the external power supply will start providing power to the device and also charging the internal battery.

GSM & GPS SIGNAL SEARCHING

After power is ON, the device will start searching the GSM and GPS signal. During this period, the green indicator (GSM indicator) will be flashing as well as blue indicator will be flashing quickly. When the indicator flashes slowly, it means that the signal has been reached.

POWER OFF

Pull out the SIM card from the device and it will be turn OFF.

PARAMETERS SETTING

(Please read carefully each step in the same order that we presented in this manual, this will assure a proper setup process)

SETTING THE ACCESS PORT NAME (APN)

With the SIM card on the equipment (device ON), please proceed to send a SMS command to the SIM card number (please see info below). The device will reply "OK" automatically after successfully setting. Send SMS command accordingly to SIM card carrier that you have. Below you will find the most common parameters for APN configuration in USA.



Carrier	APN
AirVoice Internet and MMS	apn,att.mvno#
AT&T Internet and MMS	apn,pta#
Boost Mobile Internet and MMS	apn,Boost_Mobile#
Centennial Wireless Internet	apn,private.centennialwireless.com#
Cincinnati Bell Internet	apn,web.gocbw.com#
Cingular Internet and MMS	apn,wap.cingular#
Consumer Cellular Internet	apn,att.mvno#
Cricket Internet and MMS	apn,ndo#
GIV Mobile Internet and MMS	apn,wholesale#
GoSmart Mobile Internet and MMS	apn,multibrand#
H2O Wireless Internet	apn,att.mvno#
iWireless Internet	apn,i2.iwireless.com#
Jolt Mobile Internet	apn,att.mvno#
LycaMobile Internet and MMS	apn,data.lycamobile.com#
MetroPCS Internet and MMS	apn,fast.metropcs.com#
Net 10 Internet and MMS	apn,wap.tracfone#
PTel Internet and MMS	apn,wholesale#
Pure Talk Internet and MMS	apn,att.mvno#
Simple Mobile Internet and MMS	apn,simple#
Sprint Internet	apn,cinet.spcs#
Straight Talk Internet and MMS	apn,tfddata#
T-Mobile Internet and MMS	apn,epc.tmobile.com#
TracFone Internet and MMS	apn,att.mnvo#
Union Wireless Internet	apn,union.wap.com#
US Cellular Internet and MMS	apn,internet#
Verizon Internet and MMS	apn,vzwinternet#
Viaero Internet	apn,internet.vedge.com#
Virgin Mobile Internet and MMS	apn,Sprint#
West Central Wireless Internet	apn,internet.wcc.net#

In example if you have AT&T as your carrier, please send the following SMS for APN setup (please copy exactly the message from the chart above):

Example of a message: **apn,pta#**

Your device will reply "OK" through a SMS, automatically after setting successfully.

Relevant information for Users

If you have follow one by one the previous instructions, you will be able to access your device from our platform located at <http://motortracker.us>. As well you can download your app for Android or iOS. It will depend on the preferences.

SETTING SOS NUMBER

Through this function you will be setting the SOS numbers, these will be the authorize phone numbers able to receive notification of alarms and panic button. The device will answer any inquire from any phone number if receive the correct command informing location; this functionality has been designated to provide the owner flexibility in accessing vehicle location, assuming cases where his phone is lost or rob together with the car.

The device will accept a max of 3 phone numbers. To setup the SOS numbers please follow the example below bearing in mind that letter “A” is used to indicate to the system that you are Adding. You have two options:

Option 1, sending the message:

SOS,A,phonenumber1,phonenumber2,phone number3#

Example: **SOS,A,0014161234567,0014141236789,0014121238900#**

Option 2, sending 3 separate messages where the comma after the letter “A”, indicate the positioning of the number:

SOS,A,0014161234567#
SOS,A,,0014141236789#
SOS,A,,,0014121238900#

After each message sent, the device will return a message with an “OK”. If not please repeat carefully the process, ensuring that no spaces are left among each letter, number or symbol. Please do not uses symbols different than “#”, otherwise the device will reject it.

It is important that you set up properly the structure of the phone number, where the first digits must be the country code+area code+phone number.

DELETING SOS

If you want to remove one or several phone numbers, please apply the same procedure but replace the letter “A” by the letter “D”.

Option 1, sending the message:

SOS,D,phonenumber1,phonenumber2,phone number3#

Example: **SOS,D,0014161234567,0014141236789,0014121238900#**

Option 2, sending 3 separate messages where the comma after the letter “D”, indicate the positioning of the number:

SOS,D,0014161234567#
SOS,D,,0014141236789#
SOS,D,,,0014121238900#

After each message sent, the device will return a message with an “OK”.

SETTING CENTER NUMBER

The center number is the only authorize phone number able to turn off the vehicle remotely via SMS, no other phone number can do that. *If needed the Owner can also turn off the vehicle remotely from our platform located in our website.*

In order to set up the Central number, please send the following command only from one of the three SOS authorize phone numbers already recorded. Please use the following command: **CENTER,A,your phone number#**

Example: **CENTER,A,0014162254567#**

If you want to delete the Central number, please send the following command: CENTER,D,your phone number#

Example: **CENTER,D,00584162254567#**

CHECKING CURRENT PARAMETERS

Send SMS command: **PARAM#** and the device will reply a message including: IMEI number, GPRS upload interval, time interval that GPS is activated when ACC is off, SOS numbers, center number, sensor alarm interval, defense time and time zone.

SET GPS DATA UPLOAD INTERVAL

UPLOAD BY INTERVAL: The default upload interval is 20 seconds, which means every 20 seconds the device will upload its location data to the platform. The interval can be set by sending SMS command: **TIMER,T1,T2#** (5:s:T:S:18000 seconds)

Example: **TIMER,20,30#**

It means when ACC is on, GPS data upload interval is 20 seconds; when ACC is off, GPS data upload interval is 30 seconds.

UPLOAD BY DISTANCE: Send a SMS with the command: **DISTANCE,D#** (100:S:D:S:10000 meters)

Example: **DISTANCE,300#**

It means for every 300 meters, the terminal will upload GPS data to platform.

NOTE: if the upload interval is too short, the GPRS eventually will add up. Please set a suitable upload interval.

CORNER UPLOAD (ON AS DEFAULT)

The device will upload GPS data to the platform when the vehicle is turning and the turning angle reaches the pre-set value.

NOTE: if the speed is too low during turning, the GPS data will be not able to upload to the platform.

Send a SMS command: **ANGLEREP,OFF#** to turn it off.

ARM ALARM TIME INTERVAL

When the vehicle is turned OFF (ACC OFF) and stays off in 3 minutes (preset), the device will enter on “Arm status”. During this status, if the terminal detects 6 vibrations (default) and still stays off (ACC off) in 30 seconds, it will activate vibration alarm.

Send SMS command: DEFENSE,T# (1:S:T:s:60 minutes)

Example: **DEFENSE,15#**

It means after 15 minutes the vehicle is turned off, the device will enter defense mode.

REBOOT THE DEVICE

Send SMS command: **RESET#**

When the device receives the command, it will reboot in 20 seconds.

CHEEK LOCATION

ASKING COORDINATES

Send SMS command: WHERE#

The device will reply the longitude and latitude from the terminal. If GPS signal is not available, it will reply with the latest longitude and latitude registered.

Example of the answer received:
Lat:N22.571285,Lon:E113.877115,Course:42.20,Spaad:0.0740,DateTi me:10-11-23 22:28

ASK FOR GOOGLE LINK

Send a SMS command: **URL#**

The device will reply with a google link of for the latest longitude and latitude registered. Make a click on the link and it will be opened a browser in google map.

Example of the answer received: <DateTime:10-11-23 23:42:51> <http://maps.google.com/maps?q=N22.571490,E113.877103>

The device will continuously be sending by intervals the positions and information to the platform server. You can access to historical data and several reports from the platform too, using the User name and password assigned on the invoice.

VIBRATION ALARM (ON AS DEFAULT)

When the vehicle is turned off (ACC off) and stays off for 3 minutes (pre-set), the terminal will enter arm status. During this time, if the terminal detects 6 times vibrations (default) and the vehicle still slays off (ACC off) in 30 seconds, it will activate vibration alarm. The terminal will upload longitude and latitude data to the platform. Then the platform will send the google link to SOS number.

Example of the message received: vibration alarm: <DateTima:10-11-23 23:42:51> <http://lmaps.google.com/maps?q=N22.571490,E113.877103>"

If you do not want to receive vibration alarm messages, send SMS command: **SENALM,OFF#** to tum it off.

CABLECUT-OFF ALARM (ON AS DEFAULT)

When power cable that power the device is cut off, the cable cut-off alarm will be activated. The terminal will send the alarm to the platform and upload longitude and latitude data. And the platform will send google link to SOS number.

Example of the message received: "Cut Power! <DateTime:10-11-23 23:42:51> <http://maps.google.com/maps?q=N22.571490,E113.877103>"

If you do not want to receive Cut power alarm messages, send SMS command: **POWERALM,OFF#** to turn it off.

LOW BATTERY ALARM (ON AS DEFAULT)

When the power from the vehicle battery decrease to 12.5 volts, the device will send a SMS to SOS numbers and upload a message informing that external battery power level is low. From this moment the device will start to work using the power of its own battery built in and will not consume more power from the vehicle battery until its reach power levels upper 12.5 volts.

If you do not want to receive Low Battery alarm messages, send SMS command: **BATALM,OFF#** to tum olf1he alarm.

MOVING ALARM (OFF AS DEFAULT)

Send SMS command: **MOVING,ON,R#** (100.S:R:s:1000 meters, 300 is recommended) In the situation where ACC is OFF, and the vehicle is moved over 300 meters (pre-set) from the latest location, the terminal will send moving alarm to the platform. SOS number will receive moving alarm message. Example of the message received: Attention! The vehicle is moved. <DateTime:10-11-2323:42:51><http://maps.google.com/maps?q=N22.571490,E113.877103>

Send SMS command: **MOVING ,OFF#** to tum off the alarm

POWER CUT-OFF / ON

In case that vehicle is stolen, you can cut off the power (gas) through the platform, app or SMS. In the last case you will need to send the following SMS: **RELAY,1#**

The device will reply you the following message:

For security reasons, the device will not cut off the power (gas) until the speed is under 20 kms/hour.

You can restore the power (gas) as well from the platform, app or SMS. Please send a SMS with the following instruction: **RELAY,0#**

IMPORTANT NOTE! The device will only recognize instructions via SMS sent from the Center phone number, any other phone number will be ignored.

Please do not forget to download our application “MotorTracker GPS”. For Android version you can download from Google Play or from our website www.mototracker.us . For iOS you will find the app in our website only for the moment.

THROUBLE SHOOTING

Common Problems	Causes	Solution
Bad reception	Near to tall building or structure, vehicle locate underground.	Change to a place with better reception.
The device does not turn on	Problems on the installation, fusible could be damaged.	Please check installation and connections. Ensure that fusible is not damage.
Cannot connect to the network	SIM card is not inserted correctly.	Check that SIM card is inserted correctly.
	The metal part of the SIM card is dusty.	Please clean with a clean wipe.
	Out of GSM service area.	Move back to the GSM service covered area.
	Weak signal.	Change to a place with better reception.
	Invalid SIM card.	Contact your SIM card operator.
Cannot charge	Cable broken or not connected.	Please review detailed the connection.
	Poor contact.	

If you have further questions not answered in this section, please refers to our section of FAQ or contact us at support@mototracker.us