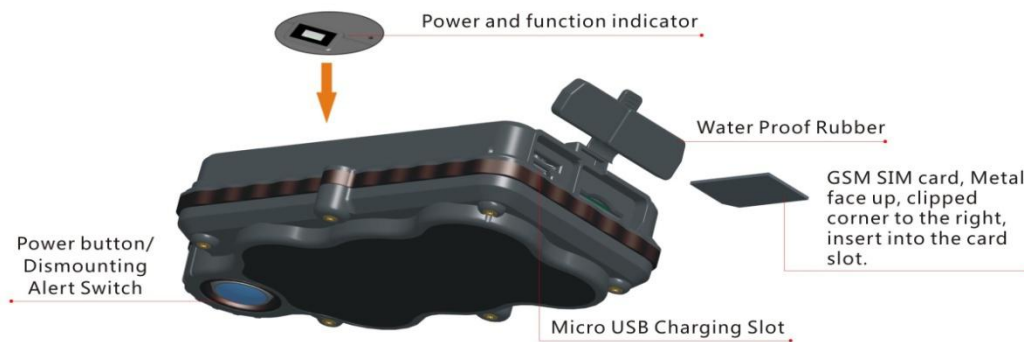# 1. Product Image

Content of the packaging
a. Tracking device
b. Micro USB charging cable
c. User Guide

2. Installation Manual

2.1 SIM Card Pre-installation, specification note
a. Please use SIM Card in regular size (biggest size)
b. SIM card should have its GPRS function enabled.
c. SMS request will function only if Caller ID function is enabled.

2.2 SIM Card Installations and Removal
a. Open waterproof rubber
b. Insert SIM card into the SIM slot, metal face up, clipped corner to the right.
c. **Green light flashes once and turns to steadily on for 10 seconds, and then turns off.**
d. Call the device SIM number and it is supposed to get through without answer. (if you are using a data SIM which is not supporting call function, ignore this step.)
e. Ensure the waterproof rubber is closed after SIM installation

2.3 Device Installations
a. Avoid all metal environment to make sure device is able to receive GSM and GPS signal.
b. Avoid high temperature environment like above the car engine

3. Button Operation

We strongly recommend you to charge the product before using it the first time. And device will be automatically on once SIM is inserted. Please DO NOT PRESS ANY BUTTON when you use it for the first time.

3.1 Button Operation for GPS function
NOTE: "button" presses must be less than 2 seconds each in all uses

This blue control button is at the bottom of the device
a. **Power On:** 4 short presses and 1 long press. Green light flashes once and turns to steadily on for 10 seconds, and then turns off.
b. **Power Off:** Send command *poweroff* when SIM card is inserted. The blue indicating light will flash for 5 times
c. **Charge:** A red light is steadily on during charging and turns off when it is fully charged.

3.2 Panic Button
2 short presses and 1 long press on the control button will trigger a SOS alert to registered master number and will be uploaded to the server.

3.3 Drop Alert
System has equipped with a Drop Alert button. When device is mounted on metal surface over 1 minute, drop alert will be triggered. Master number will receive a SMS alert when device is removed. System default as On.

SMS Commands Operating Guide

SMS commands are for non-smartphone user or who would like to control the device through SMS commands only, without using the App.

1. Registration

1.1 Set APN

APN is Access Point Name. The correct APN must be set to enable the device to send data to the server. Different SIMs have different APN, make sure you have confirmed the correct APN information with the SIM provider when you purchase the SIM.

Command
apn APN's name*username* password*
Some APN goes without username and password, you can just leave them blank.

Example: BLAU.DE
APN: internet.eplus.de
Username: blau
Password: blau

Correct command format:
*apn*internet.eplus.de*blau*blau*

Example: DATAMOBILE
APN : datamobile.ag
Username: -
Password: -
Correct command format: *apn*datamobile.ag*

Your cell phone will receive confirmation saying that the appointed APN is set.

1.2 Registering the "Master" Controller

A. Use cellphone to send SMS ***master*123456*+country code** plus **your cellphone number***to the device SIM number. 123456 is the default password, it can be changed by changing password command as showed on 1.3.

Example
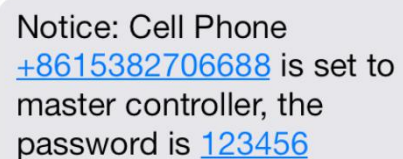*master*123456*+491701234567* (+49 refers to Germany country code, 1701234567 refers to the cell phone number)

B. Once your cellphone receives the confirmation sms, it will become the only master phone to the tracker (See screenshot).

NOTE: The device will ONLY listen and respond commands from this number unless you choose to turn on the multi controller function and open the device to any cell phone number.

> *master*123456*
> +8615382706688*

> Notice: Cell Phone
> +8615382706688 is set to
> master controller, the
> password is 123456

2. Motion Alert
The motion alert enables device triggered a call/sms alert when motion is detected.

2.1 Set vibration sensitivity
There are 5 levels of the motion sensitivity. 1 being the most sensitive, 5 the least, default setting is 1.
SMS: *sensitive*1-5*

2.2 Set SMS
There will be a SMS alert send to master number when any motion is detected, after 3 minutes of non-movement.

SMS: *alertoff*
To turn off motion alert function.
SMS: *smsalert*
To enable motion sms alert function.

3. Tracking via SMS

SMS: *locatemap*
Master number will receive a Google map link. Click the link to view the map via cellphone browser. If GPS location is invalid the closest cell tower location instead.
And this function is suitable for smart phone user only.

4. Tracking via website and applications

Tracking Website: **https://www.miitown.com** (Please type in with https and www in your browser)

ID: Registered Master phone number.
Password: Default as 123456.
It can be changed on the tracking website.

Recommended web browsers are Chrome, Firefox or cell phone default browser.

4.1 Real-time Tracking (High Power Consumption)

Routetrack function enables device to upload 6 locations to server every minute when device is **in motion**.

4.1.1 Routetrack
SMS: *routetrack*1-99*
1-98 represents the number of hours that the routerack function works. 99 represents to turn the routetrack function always on.
Example
*routetrack*1* means uploading 6 location GPS data every minutes for 1 hour

4.1.1.1 Rsampling
Rsampling is to set routetrack data collecting interval.
The smaller interval, the higher accuracy, but the higher power consumption.
SMS *rsampling*1-999*
1-999 represents seconds of data collecting interval, default as 10 seconds

4.1.1.2 Rupload
Rupload is to set routetrack data upload interval.
The smaller interval, the higher accuracy, but the higher power consumption.
SMS *rupload*60-999*
60-999 represents seconds of data uploading interval, default as 60 seconds, **minimum rate should not be less than 60**

Example
*rsampling*30* plus *ruplaod*120* means 4 location data will be uploaded to server every 2 minutes when routetrack function is on.

SMS:*routetrackoff*
To turn off route track function.

4.2 Check GPS Location (Medium Power Consumption)

Check function enables device to upload GPS location in an appointed interval. If GPS location is invalid, the closest cell tower location instead.

SMS: *checkm*5-9999*
5-9999 represents the number of minutes that the device Check's data upload interval, **minimum rate should not be less than 5**.
Example
*checkm*360* means uploading GPS data every 6 hours.

Noted:
1. Check function is able to work with routetrack and Checkgsm functions at the same time.
2. System is default as *checkm*4320*. 1 location will be uploaded to server every 72 hours.
3. Location will be uploaded to server **when device is in motion or not in motion.**

4.3 Check GSM Location (Low Power Consumption)

Checkgsm function enables device to upload ONLY the GSM location in appointed interval of time. Data will be uploaded to server on both occasions, i.e, if the device is **in motion or not in motion.**
And this function can be used with routetrack and Check function at the same time.

SMS: *checkgsm*5-1800*
5-1800 represents the the number of minutes of Checkgsm's data upload interval, **default as off**; rate should not be less than 5.
Example
*checkgsm*30* means uploading GSM data every 30 minutes.

4.4 Track Off

Track off will end all the tracking functions, including routetrack, checkm, checkgsm.

SMS : ***trackoff***
To turn off all tracking functions, including routetrack, check, checkgsm, timing locate and period locate.

5 Upload Alert
The upload alert function enables device upload alert status to the server including **motion alert, low battery alert** and **drop alert** etc. User can check alert status on the tracking website or message section in app.

This function is default as ON.

SMS : ***uploadalert*on***
To enable upload alert function.
SMS : ***uploadalert*off***
To disable upload alert function.

6. Sleep Function (Lowest Power Consumption)

6.1 Interval Sleep
Device will go to deep sleep mode and wake up after appointed interval, and stay awake for 12 minutes. If there is no new commands received in 12 minutes, device will go back to deep sleep mode for the next set interval.

Note: System will shut down GPS and GSM module during deep sleep period, so no call or SMS can be received or responded.

SMS : ***sleep*1-99***
1-99 refers to the hours of appointed sleep interval.
Example
*sleep*6* means to enable device to go to deep sleep mode and wake up in every 6 hours.

6.2 Motion Sleep

Motion Sleep function enables device to stay in deep sleep mode and wakes up once motion is detected. System will upload the current location of the device. If motion continues, system will stay on and operate the previous tracking settings. If there is no further motion detected, device will go back to deep sleep in 12 minutes. And the circle repeats.

Note: System will shut down GPS and GSM module during deep sleep period, so no call or SMS can be received or responded.

SMS: *sleepv*
To enable motion sleep function.

SMS: * sleepoff*
To turn off motion sleep function.

7. Status query
SMS: *status*
To check device setting status and performance. GPS ranking data will shows up only when routetrack function is on.

8. SOS Alert

SOS Alert function enables device to send SOS alert to preset number when the panic button is triggered.
Up to 3 SOS numbers can be preset.
The registered master number is the default SOS alert number.

8.1 Register the SOS alert number

SMS: ***master*123456*cellphone number 1*cellphone number 2*cellphone number 3***

NOTE: Please make sure country code is included in the cellphone number.

8.2 Panic Button

Power button is the panic button. If there is a SIM card inserted, 2 short presses and 1 long press to trigger SOS alert. Preset numbers will receive the following SOS SMS "SOS! HELP! SOS!! HELP!! SOS!!! HELP!!!" **System default as off.**

SMS: *soson*
To enable SOS alert function.
SMS: *sosoff*
To turn off SOS alert function.

9. Reboot
SMS: 88888888
Reboot system, previous settings will not be cleared.

10. Master query
SMS: 999999
To check registered master number, password and device's serial number.

11. Default
SMS: default
To operate factory default, previous settings will be cleared.

12. Multi Controller
Allows any cellphone number to check the device location and status besides the master number.

12. 1 SMS: *multiquery*
To enable multi controller function.

12. 2 SMS: *multiqueryoff*
To turn off the multi controller function.

13. Device Information
SMS:*about*
To check device information including software edition, serial number and imei number.

Command Setting List

Function	Command	Description
APN Settings	*apn*APN's name *username*password*	Enable device to access internet.
Master Setting	*master*123456*country code (plus) cellphone number*	Register master number.
Vibration Sensitivity	*sensitive*1-5*	Set motion alert sensitivity, 1 is the most sensitive, 5 is the least
Motion Alert	*alertoff*	End motion alert
	smsalert	Motion alert via SMS
Google Map Search	*locatemap*	Google Map link with current location.
Real-time Tracking	*routetrack*1-99*	Device will upload 6 locations every minute.1-98 represents routetrack data upload interval in hours. 99 represents always on.
Real-time Tracking sampling interval	*rsampling*1-999*	1-999 represents seconds of routetrack sampling interval
Real-time Tracking upload interval	*rupload*60-999*	60-999 represents seconds of routetrack upload interval
Real-time Tracking Off	*routetrackoff*	End routetrack function.

Function	Command	Description
Check Location	*checkm*5-9999*	5-9999 represents minutes of check function data upload interval
	checkoff	End check function
	*checkgsm*5-1800*	5-1800 represents minutes of check gsm function data upload interval
Track Off	*trackoff*	End all the tracking functions.
Upload Alert	*uploadalert*on*	Enable upload alert function
	*uploadalert*off*	End upload alert function
Deep Sleep	* sleep*1-99*	1-99 represents device wake up interval in hours.
Motion Sleep	* sleepv*	Motion Sleep function with motion alert.
Sleep Off	*sleepoff*	End Deep Sleep function.
Status query	*status*	Check system status.
Multi Controller	*multiquery*	Enable multi controller function.
	multiqueryoff	End multi controller function.
SOS Alert	*soson*	Enable SOS alert function.
	sosoff	Disable SOS alert function.

Function	Command	Description
Device Information	*about*	Software edition information, device's serial number and imei number
Reboot	88888888	Reboot the system, previous settings will NOT be cleared.
Master Query	999999	Registered master number information, password and device's serial number.
Factory Default	default	Default system, previous settings will be cleared.
Power Off	*poweroff*	Power off the device.