3G GPSTRACKWIRELESS User Manual

Thank you for purchasing GPSTRACKWIRELESS. This manual shows how to operate the device smoothly and correctly. Make sure to read this manual carefully before using this product. Please note that specification and information in this manual are subject to changes without prior notice.

What's in the box?

1x Tracking device
1x Micro USB charging cable
1x User Guide

Summary

Working Based on existing GSM/GPRS network and GPS satellites, this product can locate and monitor any remote targets by SMS or internet. The most advanced technology of GPS and GSM dual positioning.

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Pre-installation Checklist:

1. Testing SIM card

Please install GSM regular size sim card into a mobile phone first and ensure it can send and receive SMS, GPRS function is enabled and has enough credit. SMS request will be functional only if Caller ID setting is enabled.

2. Charge the device

We strongly recommend you charge the product before using it for the first time.

3. SIM Card Installation

a. Open the waterproof rubber cover.

b. Insert SIM card into the SIM slot, with the metal-chip facing up and the clipped corner positioned to the right.

c. Green light flashes once and turns on steadily on for 10 seconds, and then turns off.

d. Call the device SIM number to activate the device, and it should response to get through without answer. (If you are using a data SIM which do not support call function, ignore this step.)

e. Close the waterproof rubber cover after SIM card installation.
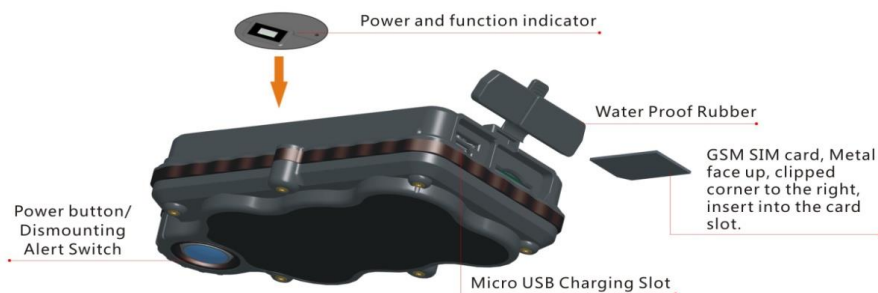
We strongly recommend you to charge the product before using it for the first time.
The device will be automatically turn on once the SIM card is inserted.
Please DO NOT PRESS ANY BUTTON when you use it for the first time.

PLEASE ALWAYS MAKE SURE THERE IS ENOUGH CREDIT IN THE SIM CARD AND THE BATTERY HAS POWER FOR THE GPS TRACKER TO OPERATE PROPERLY

Ready to start tracking?

Download our free mobile GPS Tracker App and follow few easy steps before getting started.

1. Install your EZ Tracker App

Simply scan the code using your mobile

Android

iOS

2. Account registration

There are two ways for registering an account, thru app or via sms.

2.1 Registering an account thru app

a. First you need to open the app and tap on "Register here" (image 1)
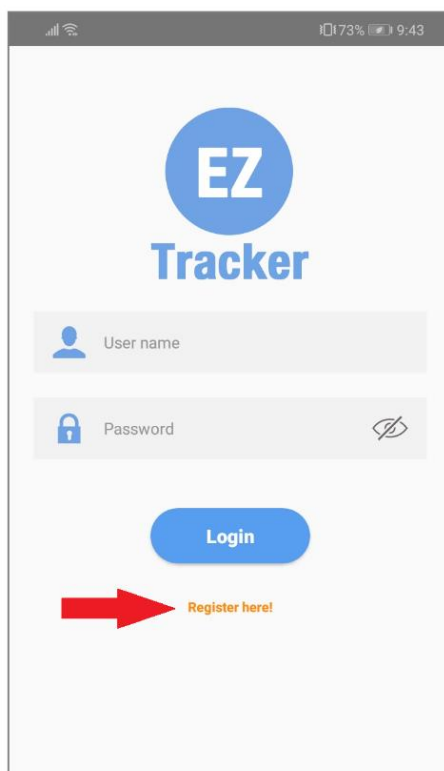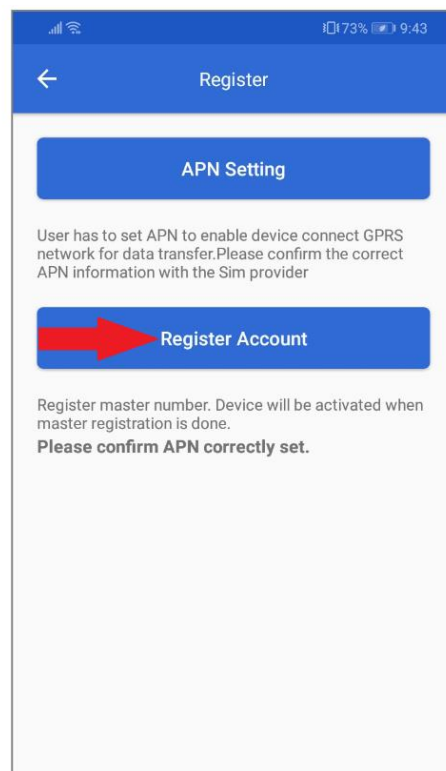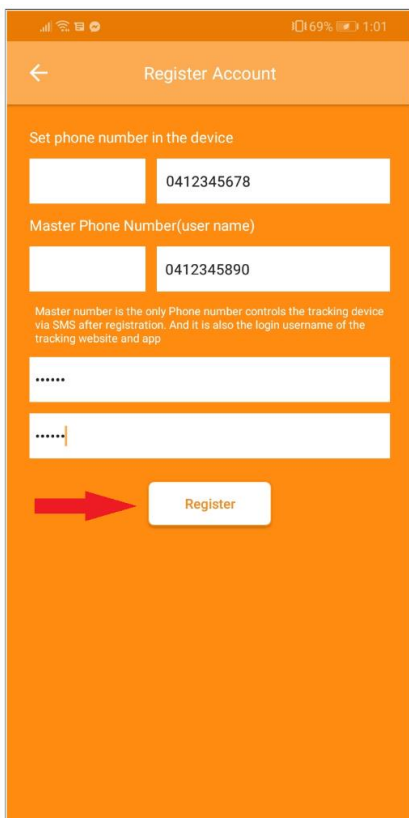
b. Next tap on "Register Account" (image 2)

Image 1

Image 2

c. Please make sure to leave the country code blank then add the SIM card number in the GPS device starting with **0.** (image 1)

e.g.: 0412345678

d. Enter your Master Phone number, this is the number of the mobile phone you are using. Please make sure to leave the country code blank then add your phone number**.** (image 1)

e.g.: 0412345890

e. Enter default login password **123456** then tap on Register button. Take note that this is your temporary password and it can be changed in the tracking website at www.miitown.com. (image 1)

f. Confirm and accept the terms. (image 2)

g. Send the SMS and wait master phone number confirmation to complete the registration. (image 3)

Image 1

Image 2

Image 3

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2.2 Register via SMS

Registering an via SMS works exactly the same way as sending SMS to a friend.

Type in *master*123456*[your mobile number] and send to the number in the GPS Device.

 e.g.: *master*123456*0412345890*

After sending the sms you will get this confirmation:

Notice: Cell Phone 0412345890 is set to master controller, the password is 123456.
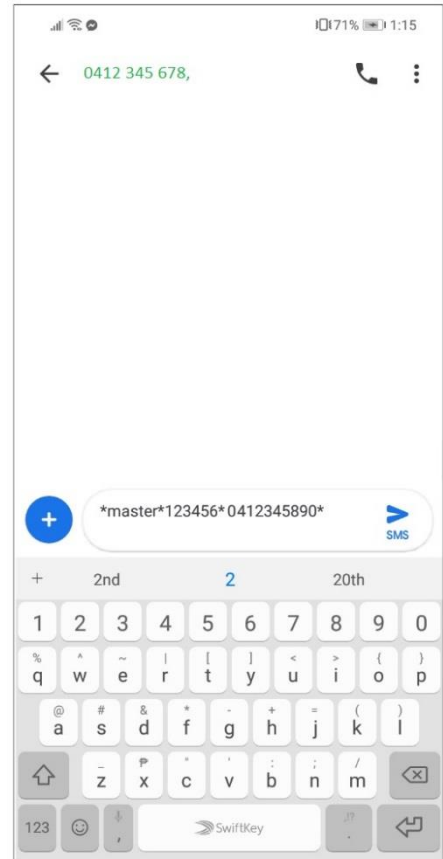
3. Login to EZ Tracker App

   a.   Launch the app and login using your **Registered Master phone number** as username.

   b.   **123456** is the default login password, Tap on the Eye icon to show password.

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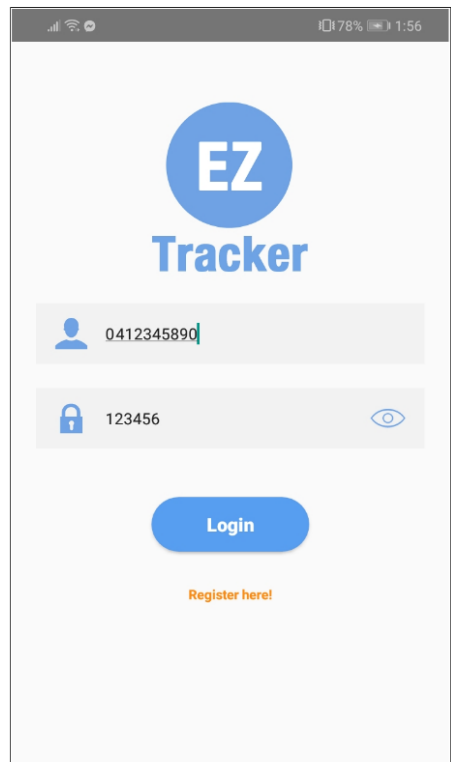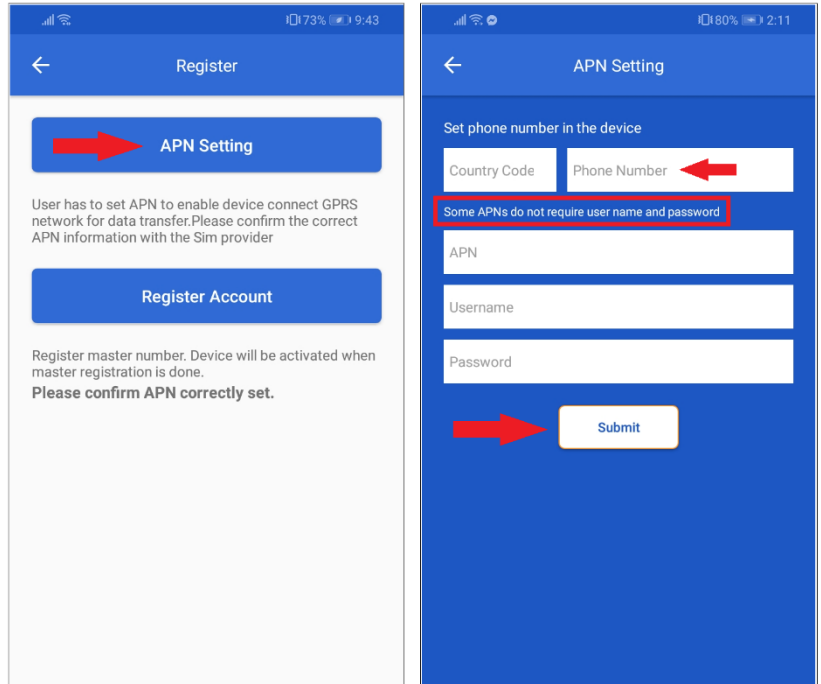
APN - Access Point Name
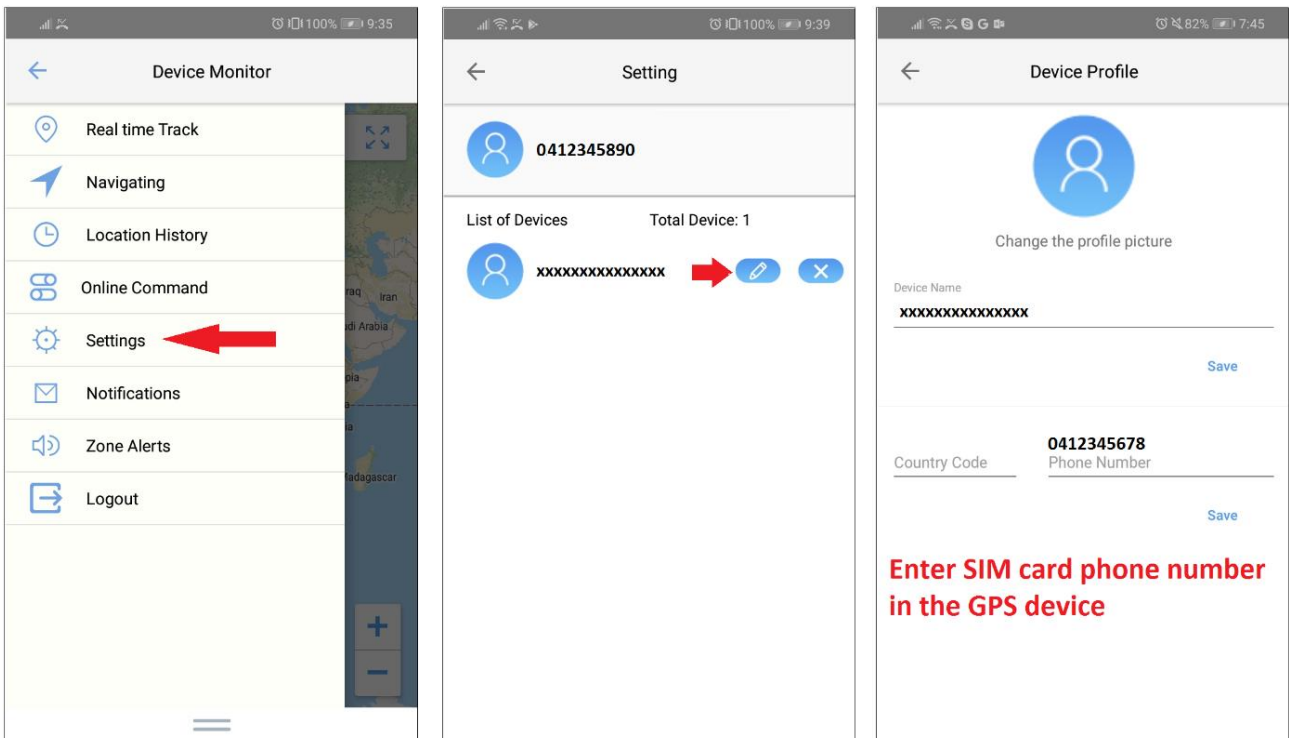
The correct APN must be set to enable the device to send data to the server.

Different SIM has different APN. Ensure you have the correct APN information with the SIM provider when you purchase the SIM card.

**ALDI MOBILE SIM APN is preset in the device, if you are using other mobile network; please reset the APN with your SIM provider.

4. Please make sure the Sim card phone number in the GPS Device is entered in the device setting

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Start Tracking via App!

1. Menu

The menu button is on the top left-hand side, tap on this to see real time tracking and settings.

Image 1
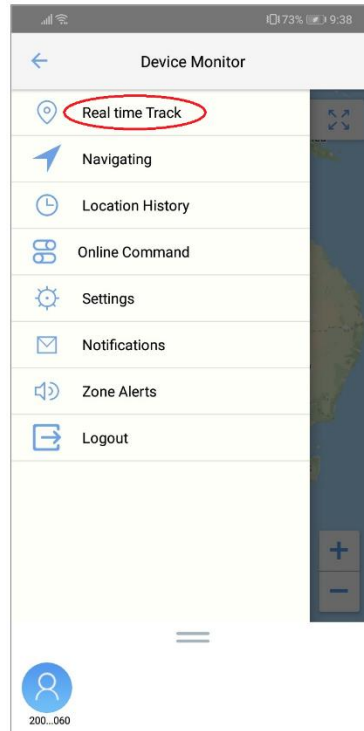
Image 2
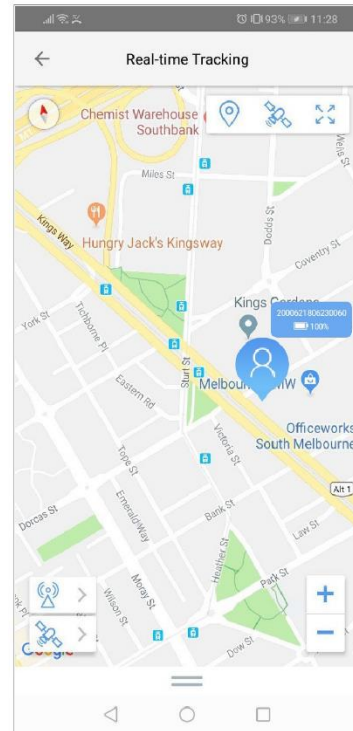
Image 3

2. Real-time Tracking

To get latest location of the device including Latitude, Longitude you must follow the screen below. Tap to get GPS icon > Enter the number for the GPS tracker > Confirm > Send SMS
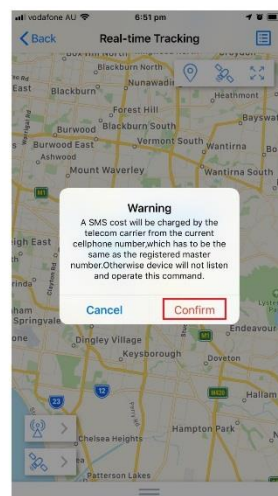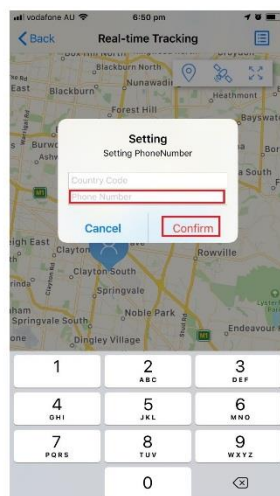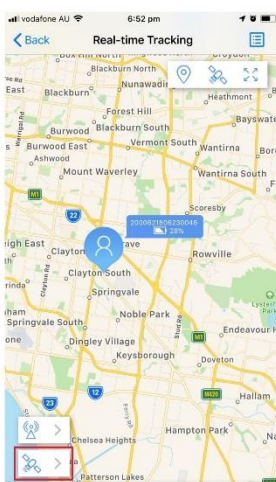
Note: You may need to logout and login to the app again after sending SMS to get accurate location.
Device Status will show number of Satellites, Device Battery Percentage, Speed and Mode.

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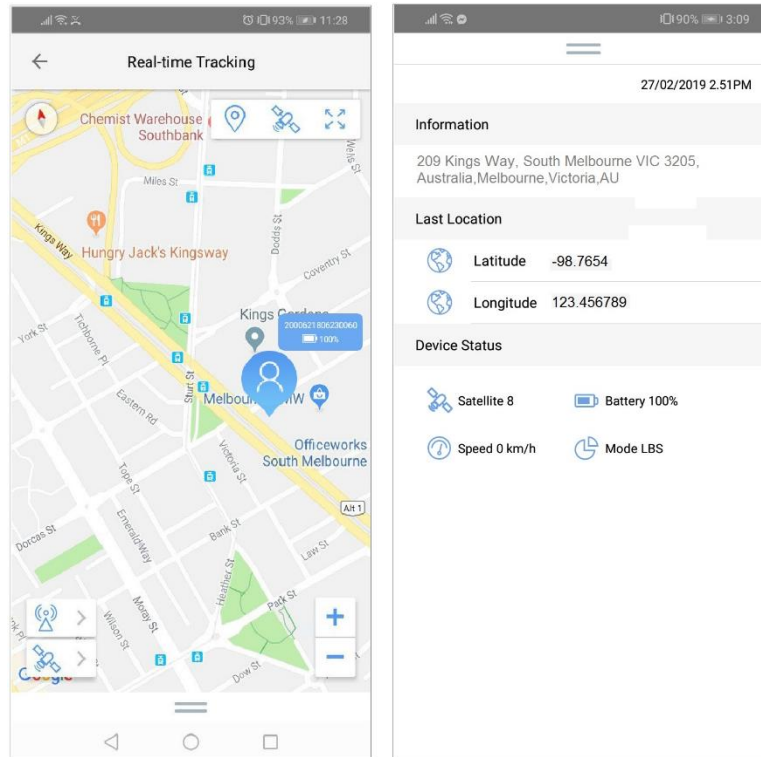
3. Location History

To view the previous location record of the selected device. View by date, start and end time.

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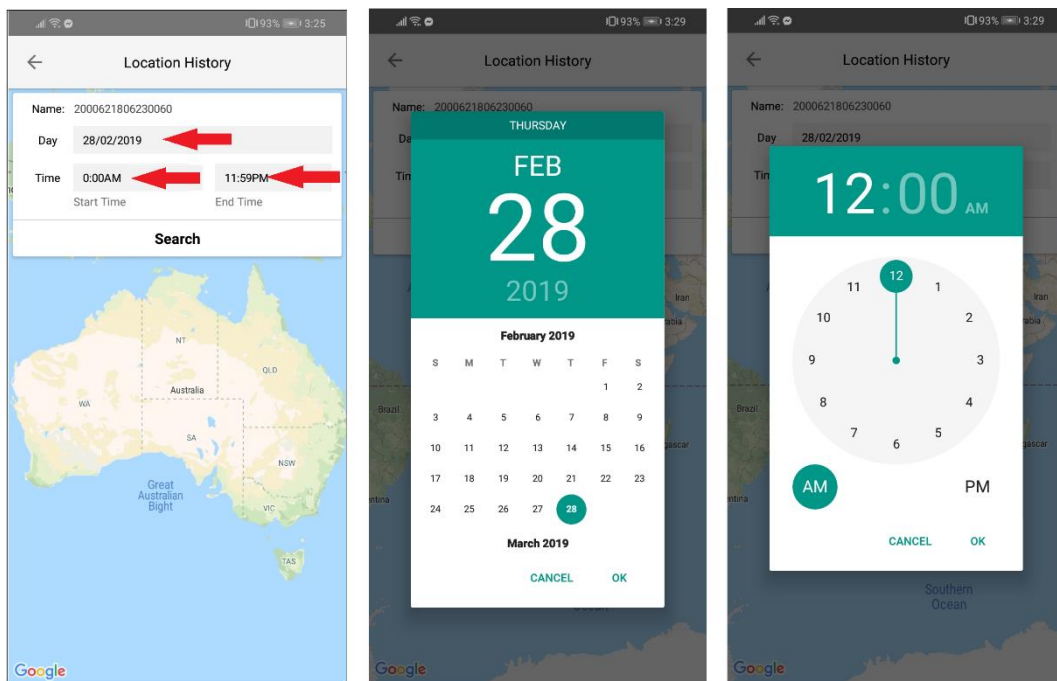
4. Zone Alerts

Set and specify radius on the map and get notifications you when the vehicles you choose enter or exit an area that you have defined. Make sure to turn on push notification by going to Menu>Notifications>Push Notifications
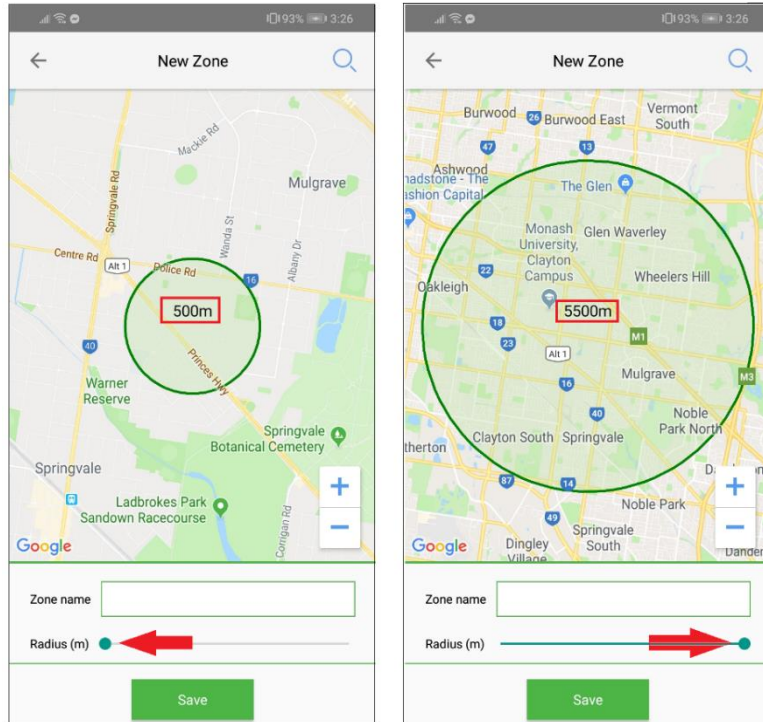
5. Devices

Show all number devices under the same account. Tap the device's icon at the bottom part of the screen to select the one you need to track.

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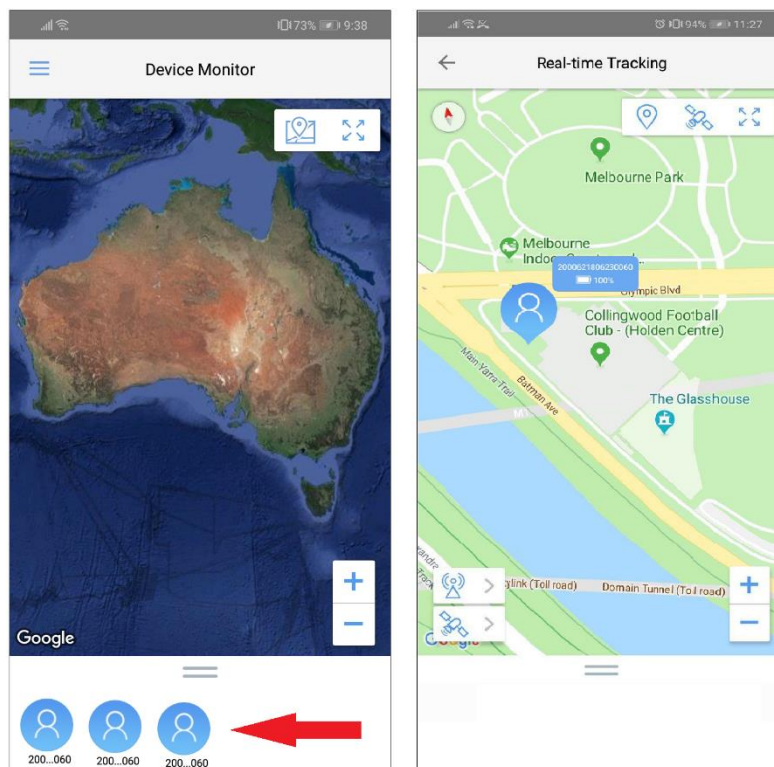
6. Online Command

Online Command can control device from APP via SMS. Do note that charges do apply when sending commands via SMS and cost varies for different SIM provider. And all replies from the device will be sent back to app via GPRS data, so replies will be shown as push notification, and all records can be checked in the message section.
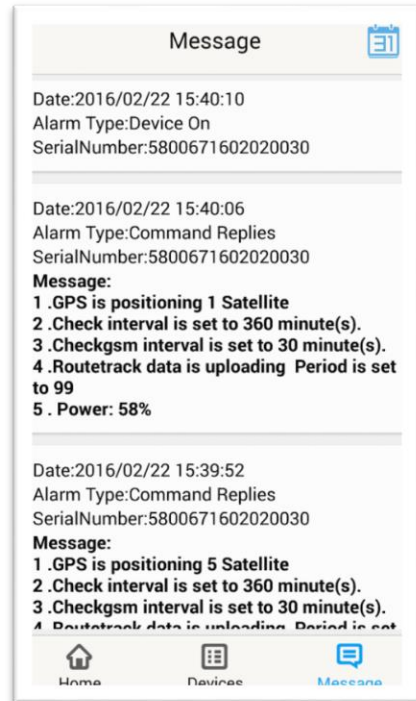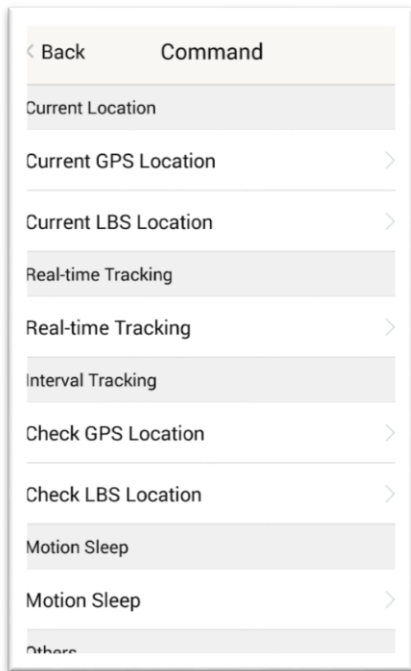
6.1 Current GPS Location

To update the latest GPS location of the device. The latest location will be uploaded to the website and the map in app.

6.2 Current LBS Location

To update the latest GSM location of the device. The latest GSM location will be uploaded to the website and the map in app.

6.3 Real-time Tracking

Enables device to upload 6 locations to server every minute when device is **in motion**.

6.4 Check GPS Location

Device will upload GPS location in appointed interval, **even if the device is in motion or not.** Default as 1GPS location uploads every 72 hours.

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6.5 Check LBS Location

Device will upload GSM location in appointed interval, even if **the device is in motion or not.** Default as 1GSM location every 30 minutes.

Check LBS function is the best power saving tracking function, but distance inaccuracy could be up to 1KM.

6.6 Deep Sleep

Device will go to deep sleep mode and wake up after appointed interval, and will be 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.

The phone function will be off during deep sleep, and no call or SMS can be replied until device wakes up.

6.7 Motion Sleep

Device will go to deep sleep mode and wake up when motion is detected, and will be stay awake for 12 minutes. If there are no new commands received in 12 minutes, device will go back to deep sleep mode until the next motion is detected.

The phone function will be off during deep sleep, and no call or SMS can be replied until device wakes up.

6.8 Others

6.8.1 Status query

Check system status, replies will be shown in the message section.

6.8.2 Device Information

Check software edition information and device's serial number. Replies will be shown in the message section.

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Tracking via Website?

Using your computer browser please visit **https://www.miitown.com/** login using your Registered Master phone number as username.

        a. e.g.: 0412345890

        b. 123456 is the default login password

        c.

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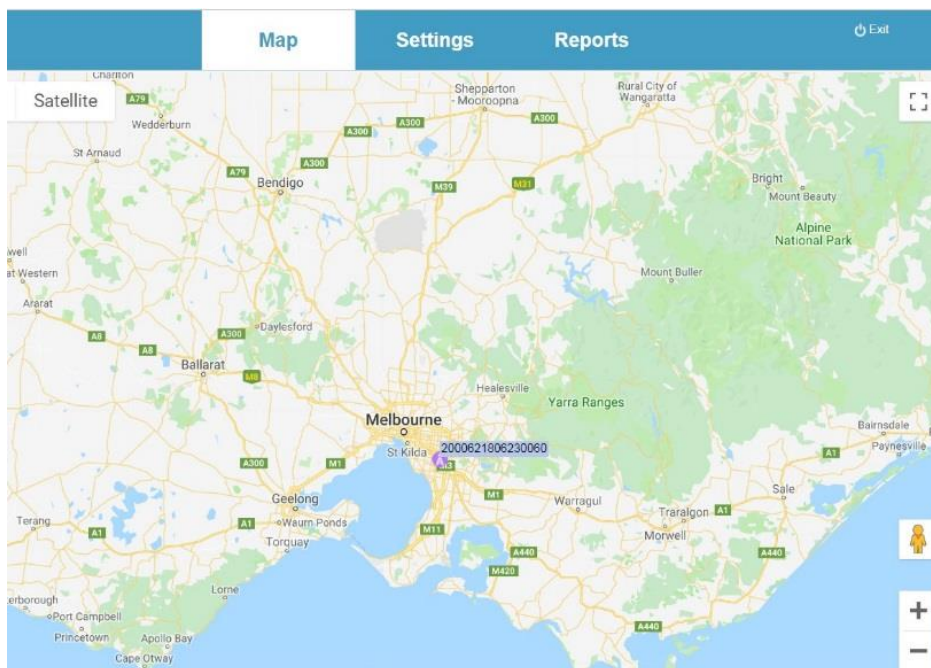
Device Button Operations and Features

Note: "button" presses must be at least 1 second for device to response.

The blue control button is at the bottom of the device.

a. **Power On:** Press control button 5 times. Green light flashes several times and turns on steadily for 10 seconds when it detects available signal, 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. **Reset**: Press control button 15 times to reset all settings. The blue indicating light will flash for 3 times. Insert the SIM again and system will be on.

d. **Charge:** A red light is on during charging and turns off when it is fully charged.

Panic Button

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

Drop Alert

System is equipped with a Drop Alert button. When the device is mounted on a 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.

Device Monitor

All devices will be shown in the latest location.

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.**

Note:

1. **Interface of the App you download could be different from the screenshot from this user manual.**

2. **Certain functions in APP might not support the models you purchase. Please check the following SMS Command Operation Guide to confirm detail functions list of your tracker.**

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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, ensure that you have 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: Orange France

APN: orange.fr

Username: orange

Password: orange

Correct command format *apn*orange.fr* orange*orange*

Example: China Union

APN : uninet

Username: null

Password: null

Correct command format *apn*uninet*

Text Message
Fri, Nov 15, 1:06 PM

*apn*uninet*

Apn is set to uninet.
Username: null. Password:
null.

Your cell phone will receive confirmation saying that the appointed APN is set (See screenshot).

1.2 Registering the "Master" Controller

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A. Use mobile phone to send SMS ***master*123456*your mobile number***to the GPS device SIM number. 123456 is the default password, it can be changed by changing password command as showed on 1.3.

Example

*master*123456*0412345890*

B. Once you receive 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.

1.3 Changing the Password

SMS: *password*654321* (654321 refers to new password)

Changing password command has to be sent only from the master number. New password has to be entered when you need to register the device with a new master number.

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/CALL Alert

There will be a Call/SMS alert send to master number when any motion is detected, after 3 minutes of non-movement. **The system default setting is call alert, and can be turned off by command.**

SMS: *alertoff*

To turn off motion alert function.

SMS: *smsalert*

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To enable motion sms alert function.

SMS**: *callalert***

To enable motion call alert function.

2.3 Period Continuous Motion Alert

System will enable continuous motion alert function at appointed time periods, up to 3 time periods per day.

That means master number will receive the call/sms alerts continuously when device detects on continuous motion.

Time format need to be in 24-hours.

System default set UTC time, if you are not in this timezone, please set your timezone before using this function.

SMS : ***continuousalert*(2 digits start time)*(2 digits end time)***

Example

*continuousalert*08*14* means system will enable continuous motion alert function from 8am to 2pm.

SMS : ***continuousalertoff***

To turn off period motion alert function.

3. Tracking via SMS

3.1 SMS: *locateaddress*

Master number will receive the GPS address of the device via SMS. If GPS location is invalid, device will reply a WiFi location or the closest cell tower location instead.

3.2 SMS: *locatemap*

Master number will receive a Google map link. Click the link to view the map via mobile phone browser. If GPS location is invalid, device will reply the map link of the WiFi location, or the closest cell tower location instead.

This function is suitable for smart phone user only.

4. Tracking via website and applications

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Tracking Website: www.miitown.com

ID: Registered Master phone number.

Password: Default as 123456.

It can be changed on the tracking website.

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

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*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, system will upload the WiFi location, or 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 WiFi/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 **only when device is in motion.**

4.3 Check WiFi/GSM Location (Low Power Consumption)

Checkgsm function enables device to upload ONLY the WIFI/GSM location in appointed interval of time. Data will be uploaded to server on both occasions, i.e, even if the device is **in motion or not.** If WiFi location is invalid, system will update the closest cell tower location instead.

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 Advanced Tracking

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Advanced Tracking including appointed time tracking and appointed period tracking. System default as UTC time, timezone has to be set to use advanced tracking functions if device is not using in UTC timezone.

4.4.1 Timezone

SMS: *timezone*0-24*

Example

Italy= *timezone*2*

UK= *timezone*0*

Australia Perth = *timezone*8*

4.4.2 Appointed Time Tracking

To Check map location at appointed time, up to 3 time points per day.

Device will stay in deep sleep mode except the appointed tracking time.

Time format need to be in military time and can be set to every half hour.

SMS : ***timinglocatemap*(appointed locating time)***

Example:

*timinglocatemap*0830*1400*1830* means master number will receive a text message with a google map link at 8:30am 2:00pm and 6:30pm, click the link to view the device location on goole map through your cellphone browser. It is suitable for smart phone user only.

SMS : ***timinglocateoff***

To end timing locate function.

4.4.3 Period Tracking

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Period Tracking is to enable the preset tracking function in appointed periods. Only up to 3 time periods.

Device will stay in deep sleep mode except the appointed tracking period.

Time format need to be in military time and can be set to every half hour.

SMS : ***periodlocate*(8 digits locating period 1)*(8 digits locating period 2)***

Example

*periodlocate*08301100*14001830* means system will enable the tracking function during 8:30am-11:00am and 2:00pm-6:30pm of the day. 0830 and 1400 refers to the start time of the tracking period, 1100 and 1830 refers to the end time of the tracking period.

SMS : ***periodlocateoff***

To end period locate function.

4.4.4 Track Off

Track off will end all the tracking functions, including routetrack, checkm, checkgsm, timing locate and period locate.

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.

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SMS : ***uploadalert*on***

To enable upload alert function.

SMS : ***uploadalert*off***

To disable upload alert function.

6 Online Control

The online command function enables device to connect with server for 15 minutes, and user will be able to send online command from the tracking website.

SMS : ***onlineon***

To enable online control function.

SMS : ***onlineoff***

To end online control function.

7. Sleep Function (Lowest Power Consumption)

7.1 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.

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7.2 Motion Sleep

Motion Sleep function enables the 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.

8. SOS Alert

SOS Alert function enables the 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 cell phone 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.

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13. Low battery Alert

There will be a low battery SMS alert sent to master number when battery drops to 20% of it's capacity, and the routetrack function will be turned off for power saving. It will resume working when battery is charged. The alert number can be appointed to any other mobile phone number if needed.

Appoint low battery alert number

SMS:*lowbat*alert cellphone number*

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

Example *lowbat*+319876543210*

14. Reboot

SMS: 88888888

Reboot system, previous settings will not be cleared.

15. Master query

SMS: 999999

To check registered master number, password and device's serial number.

16. Default

SMS: default

To operate factory default, previous settings will be cleared.

17. Multi Controller

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

17. 1 SMS: *multiquery*

To enable multi controller function.

17. 2 SMS: *multiqueryoff*

To turn off the multi controller function.

18. Device Information

SMS:*about*

To check device information including software edition and serial number.

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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.
Password Changing	*password*654321*	Original password is default as 123456. 654321 refers to new password.
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
	callalert	Motion alert via Call
Period Motion Alert	*continuousalert*(2 digits start time)*(2 digits end time)	Set period motion alert. The first 2 digitals refers to start time and second 2 digits refers to end time in hour.
	continuousalertoff	End period motion alert function.

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Function	Command	Description
Address Query	*locateaddress*	Address information of current location.
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.
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
Time Zone	*timezone*0-24*	0-24 represents the timezone number for each country.

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Function	Command	Description
Appointed Time Tracking	*timinglocatemap*(appointed locating time)*	Set appointed time tracking. 4 digitals refers to start time and end time in hour. 0830 refers to 08:30am
	timinglocateoff	End appointed time tracking function
Appointed Period Tracking	*periodlocate*(8 digits locating period)	Set appointed period tracking. 8 digitals refers to start time and end time of the period.08001100 represents 8am-11am
	periodlocateoff	End period locate function
Track Off	*trackoff*	End all the tracking functions.
Upload Alert	*uploadalert*on*	Enable upload alert function
	*uploadalert*off*	End upload alert function
Online Control	*onlineon*	Enable online control function
	onlineoff	End online control function
Deep Sleep	* sleep*1-99*	1-99 represents device wake up interval in hours.
Motion Sleep	* sleepv*	Motion Sleep function with motion alert.

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Function	Command	Description
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.
Set WiFi Fence	*wifilist*	Check nearby wifi list.
	wififence#*	Set WiFi fence.
Check WiFi Fence	*wififencelist*	Check WiFi fence list.
	removefence#*	Remove WiFi fence.
Offline Storge	*sdon*	Enable offline storage function
	sdoff	End offline storage function.
Remote Listening	*callin*	Enable call-in listening function for 30 minutes
	callback	Enable call back listening function
SOS Alert	*soson*	Enable SOS alert function.
	sosoff	Disable SOS alert function.

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Function	Command	Description
Device Information	*about*	Software edition information and device's serial 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.
Low Battery Alert Number	*lowbat*country code (plus) cellphone number*	To set low battery alert number.
Factory Default	default	Default system, previous settings will be cleared.
Power Off	*poweroff*	Power off the device.

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Hardware Specifications:

TK SERIES MODEL AND FUNCTION LIST								
Model	Size	Weight	Battery Capacity	SD	WiFi	Remote Listening	Battery removable	Solar
TK05GSE	117mm x59mm x 30mm	230g	5000mA	N	N	N	N	N
TK10GSE	153mm x59mm x 34mm	342g	10000mA	N	N	N	N	N
TK15GSE	153mm x59mm x 39mm	435g	15000mA	N	N	N	N	N
TK20GSE	153mm x59mm x45mm	528g	20000mA	N	N	N	N	N
TK05G	123mm x62mm x 31mm	274g	5000mA	Y	Y	Y	Y	N
TK10G	160mm x64mm x 35mm	386g	10000mA	Y	Y	Y	Y	N
TK15G	160mm x64mm x 41mm	478g	15000mA	Y	Y	Y	Y	N
TK20G	160mm x64mm x 47mm	570g	20000mA	Y	Y	Y	Y	N

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TK05SGSE	160mm x64mm x 37mm	323g	5000mA	N	N	N	Y	Y
TK10SGSE	160mm x64mm x 37mm	397g	10000mA	N	N	N	Y	Y
TK15SGSE	160mm x64mm x43mm	489g	15000mA	N	N	N	Y	Y
TK20SGSE	160mm x64mm x 49mm	581g	20000mA	N	N	N	Y	Y
TK05SG	160mm x64mm x 37mm	328g	5000mA	Y	Y	N	Y	Y
TK10SG	160mm x64mm x 37mm	402g	10000mA	Y	Y	N	Y	Y
TK15SG	160mm x64mm x43mm	494g	15000mA	Y	Y	N	Y	Y
TK20SG	160mm x64mm x 49mm	586g	20000mA	Y	Y	N	Y	Y

- GPRS: MTK 6261
- Quad band; WCDMA supports HSDPA/UMTS/EDGE/GPRS/GSM
  UMTS1900/850/ 2100/900 MHz , GSM850/900/1800/1900 MHz
- Power: Rechargeable, Lithium-Polymer Battery
- Built-in Vibration/motion sensing
- GPS: U-BLOX G7020-ST, 50 channel
- Antennae: Internal
- Position Accuracy: >=5m
- Sensitivity: Tracking: (R)C161 dB, Cold starts: (R)C148 dB, Hot starts: (R)C156 dB
- Cold start:<27s, Warm Start: <5s, Hot Start: 1s
- A-GPS: AssistNow Online and AssistNow Offline services.

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