



GPS Tracker

TK106 Quick start guide

Thanks for choose our product. This Quick Start guide tells you how to set up your GPS Tracker.

- Please charge 12hours at first use.
- Insert SIM card in right way. Please put the unit outside and make sure the trademark side facing up.
- Unit will turn on automatically when put the battery in, the blue LED converted to one second flashes, SIM card Registration Successful,LED light was converted to three seconds blinking GPS positioned successfully.LED off in sleeping mode
- Confirm your SIM card have calling, send SMS, GPRS function.
- Confirm your SIM card have enough balance (money).
- Confirm your SIM card can show caller ID and don not use call forwarding function.

Installation method



Password

We suggest change the password and keep it in mind. Please contact with franchiser if you forgot it, Unit only work with correct one.

Authorization*

SMS will be send to Authorized number. Authorized number can send the command without password.

Traffic Mode

When moved ,the device will send GPS data to monitor platform or mobile phone automatically; when stay still, the device will go to sleep to save power.

Breakpoint continuingly

Breakpoint continuingly also called blind spot fill preach ,the device will save data automatically, when in real time monitoring, or in the GPRS blind area , or SIM credit run out .Once the GPRS network regained , the stored data will be automatically uploaded to monitor platform. the device can cycle store about 200 records data .

Now you can operate the function . Begin !

Internet monitor.

Set APN.

APN stands for Access Point Name. For example picture, China mobile "CMNET", send SMS "123456apn cmnet" to the unit; if APN have user name and password, For example picture, Microcell, APN is internet, user name: fido , password: fido



IP and port.

When APN setting succeed, send SMS“123456adminip 119.147.23.100 2337”, it will reply “ ADMINIP ok!” “2337”is port number.

Data transmission.

Send SMS“123456t010s***n” to the unit, will reply ” t010s***n ok”. Data will be transmission to the platform every 10 seconds.

Stop send sms “123456tmno” to the unit, will reply ” tmno ok”



Internet platform.

Please contact franchise r. They will supply you platform website, User name, Password and help you to add your unit into platform.

You can check more information about platform in CD-ROM.

The image shows two screenshots of the 'GPS Monitor System' web application. The top screenshot is the login page, featuring the system logo on the left and a login form on the right. The form includes fields for 'Username:', 'Password:', and 'Security Code:' (with a 'T W J' security image). A red 'Login' button is positioned below the form. The bottom screenshot displays the main monitoring interface. It features a Google Maps map with a vehicle's location and movement history shown as a yellow line. A pop-up window provides details for the selected location, including 'Device ID', 'Device Name', 'Speed', 'Altitude', 'Location', and 'Map as a Device ID'. On the left side, there is a tree view of device lists. At the bottom, a table displays a list of devices with columns for 'Device ID', 'Device Name', 'Altitude', 'Speed', 'Status', 'Location Time', 'Stop Lat/Long', and 'Remarks'. The table contains one row of data for device ID '00000000'.

Authorization and Password*

Call the unit for 10 times and successful positioning. This number will be the default for authorized number.

Send SMS "123456 admin 159200XXXX X" to the unit, it will be authorized of this number. Only 5 numbers able to be authorization. If need cancel, send"123456admin".

Send SMS "123456password 000000" to unit, will reply"password 000000 ok!". Notice: 123456=old password, 000000=new password.



One time.

Using your mobile phone call the inside number of unit .it will hang up and reply to a real time positioning messages. Contents include: latitude, longitude, speed, date, battery, signal, IMEI number.

Send SMS "123456smslinkone" to the unit, will reply location SMS.



Successive positioning.

Send SMS "123456t030s002n" to the unit, Will reply "t030s002n ok!" It will report the real time SMS at 30s interval for 2 times. Notice: s=second, minute, h=hour. The shortest interval time is 005s, the longest interval time is 255h; Reply the most times is 99n, Unlimited times is***n.



Monitor.

Send "123456monitor" to the unit, will reply "monitor ok!", then call the unit to enter into the monitor mode .Send "123456tracker" to the unit when need cancel , it will reply "tracker ok!" back into the positioning mode again.



Traffic mode*

Send SMS "123456traffic 5" to the unit, will reply "traffic 5 ok! ". 5 stands for the sensibility level, setting from 0 to 10. 0 means closing the function. When moving, the unit will send GPS data to monitor platform or mobile phone automatically every 30 seconds; when stay still, the unit will go to sleep. Send "123456traffic 0" when needs to cancel.



Sensor alarm.

Send SMS "123456shake 5" to the unit, it will reply "shake 5 ok!". The unit will send alarm message to phone when shake. Send SMS "123456shake 0" when needs to cancel the function. Number 5 stands for the sensibility level, setting from 0 to 10. 0 means closing the function. Notice: This function cannot work when in traffic mode.



Over speed alarm.

Send SMS“123456speed 050”to the unit, it will reply “speed ok!”. When the unit moves exceeding 50 km/h, the unit will send SMS alarm. When the speed is no more than 50km/h, it will send alarm as well. Send “123456speed 0”when needs to cancel. Notice: Speed alarm is set at least 50km/h.



Movement alarm.

When the unit stays immobile in a place for more than 3 minutes, send SMS“123456move 200”to the unit, it will reply “move 200 ok!”. It will send alarm SMS when moves out of 200 meters. Send SMS“123456move 0”when needs to cancel.



Geo fence.

Set Geo fence for the unit to restrict its movement within a district. The unit will send SMS to the authorized numbers when it breaches the district. If needs Send SMS "123456stockade 22.589155N,113.827732E;2.559000N,113.897111E". stop send "123456stockade"



Total mileage calculation.

If you want to calculate the mileage, according to the following steps:

1. Send SMS "123456gprsdata 1" to the unit.
2. Send SMS "123456t010s***n" to the unit.
3. Send SMS "123456km0" to the unit.
4. Send SMS "123456km? ", it will reply the mileage dates.



SOS.

Press the SOS for 3 second when dangerous. It will send " help me " to all the authorized numbers.



Map link.

There are two formats: date format, map link format. Send SMS "123456mslink" to the unit, it will reply "smslink ok", then call the unit again, it will reply map link, access to this website may view location map. Send SMS "123456smstext" to the unit will restore to date format.



Status.

Send "123456status" to the unit , it will reply SMS. Include: IMEI、 speed、 battery、 position state、 time、 IP、 AP N、 Port etc.

Time.

Default is Beijing time, if you want to Change time, send SMS "123456time zone -6.5". Notice : "+" no need to write, "-" must write; 6.5=6:30.



UDP/TCP.

Default is TCP, change into UDP, Send SMS“123456gprsmode 1” to unit, if you want change back to TCP, send SMS“123456gprsmode 0”.

Version.

Send SMS“123456version”to the unit, it will reply version information

Reset.

Send SMS“123456begin”to the unit, it will reply“begin ok!”,



Product parameter

- GSM/GPRS module: SIMCOM SIM900\SIM300
- Band: 850/900/1800/1900Mhz 、 900/1800/1900Mhz
- CPU: ARM
- Communication protocol: TCP/UDP
- GPS chip: SIRF3 Sensitivity: -159dBm Accuracy: 5-20m
- Time To First Fix: Cold status 45s Hot status 1s
- Wall charger: 110—220V input 5V output
- Battery: 3.7V 860mAh Li-ion battery
- Standby: 250hours
- Storage Temp: -40°C to +85°C
- Operation Temp: -20°C to +55°C