GPS Tracking System

TK06A User Manual

Demo

(www.secumore1818.com / Account：test / Password：123456)

FOB price 18.5USD/PC, internal battery

Thank you for purchasing the tracker. 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 are subject to changes without prior notice in this manual. Any change will be integrated in the latest release.
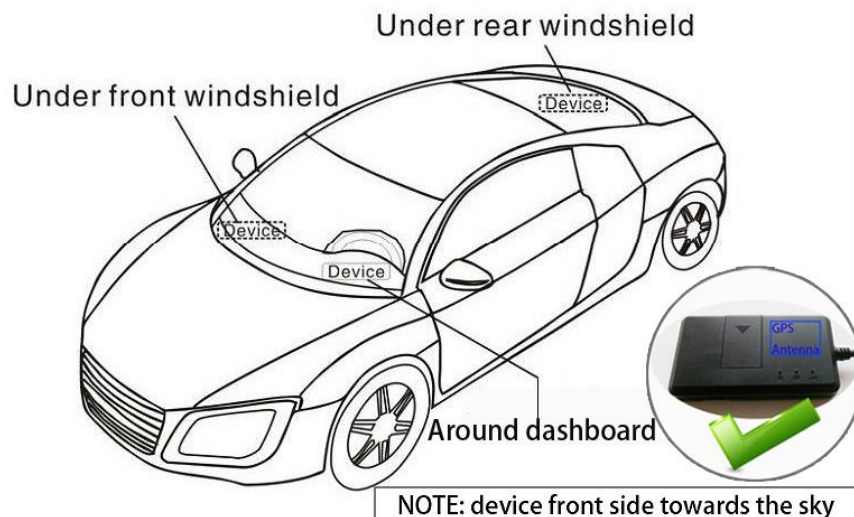
Contents

◆Quick using

1）Proper insert GSM SIM card, connect to power supply 12V/24V, Must turn on small switch inside SIM card hole.

2）Put device outside, around 45-90s three lights will keep lighting on stands for device can work normally.

3）Dialing device number, it will hang up and reply tracking message with valid Long and lat to show location.

4）Track online system need set two SMS as below:

SMS 1: #IP#123456#116.205.4.114#8169#

SMS2: #apn#123456#APN of operator#APN user name#APN password#

5）Login platform to track in real time(please contact supplier).

◆Installation attentions

NOTE: device front side towards the sky.

Installation: if the windscreen glued by metal thermal insulation layer or heating layer, it will reduce the GPS receive signal and lead to GPS work disorder.

1. Summary

Working Based on existing GSM/GPRS network and GPS satellites, this product can locate and monitor any remote targets by SMS or GPRS.

2. Main functions

- GSM quad-band frequency;

- Real time tracking by SMS/GPRS;

- Real time voice monitoring;

- Overspeed alarm/ACC anti-theft alarm ;

- Connect relay to control vehicle oil or circuit (optional);

- Built-in backup battery to realize power cut alarm(optional);

3. Specs.

Content	Specs.
Dim.	84 mm x47.5 mm x 15 mm
Weight	50g
Network	GSM/GPRS/GPS
Band	850/900/1800/1900 Mhz
GPS chip	MT3336
GSM module	MT6260D
GPS sensitivity	-159dBm
GPS accuracy	5m
Time To First Fix	Cold status 45s-90s Warm status 35s Hot status 1s
Work voltage	12V-24V
Storage Temp.	-40°C to +85°C
Operation Temp.	-20°C to +45°C
Humidity	15%--95%

4. Installation instructions

4.1 Preparation

Choose a GSM SIM card insert into device.

Notice: **Please insert SIM card before turning the device power switch to on**; The SIM card need open the GPRS function; Please make sure SIM card with full balance.

4.2 Installation

The device is hidden type installation, we suggest the device installing by professional institution. Please pay attention to the following points:

4.2.2 The device has built-in GSM and GPS antenna, make sure the receive side upward and there is no metal shielding.

4.2.3 Recommended installation place: ①The hidden place in the board below the front windscreen; ② The hidden place around former dashboard (nonmetal material for skin); ③The hidden place in the board below the back windscreen.

Notice: If the windscreen glued by metal thermal insulation layer or heating layer, it will reduce the GPS receive signal and lead to GPS work disorder, then please change the installation place.
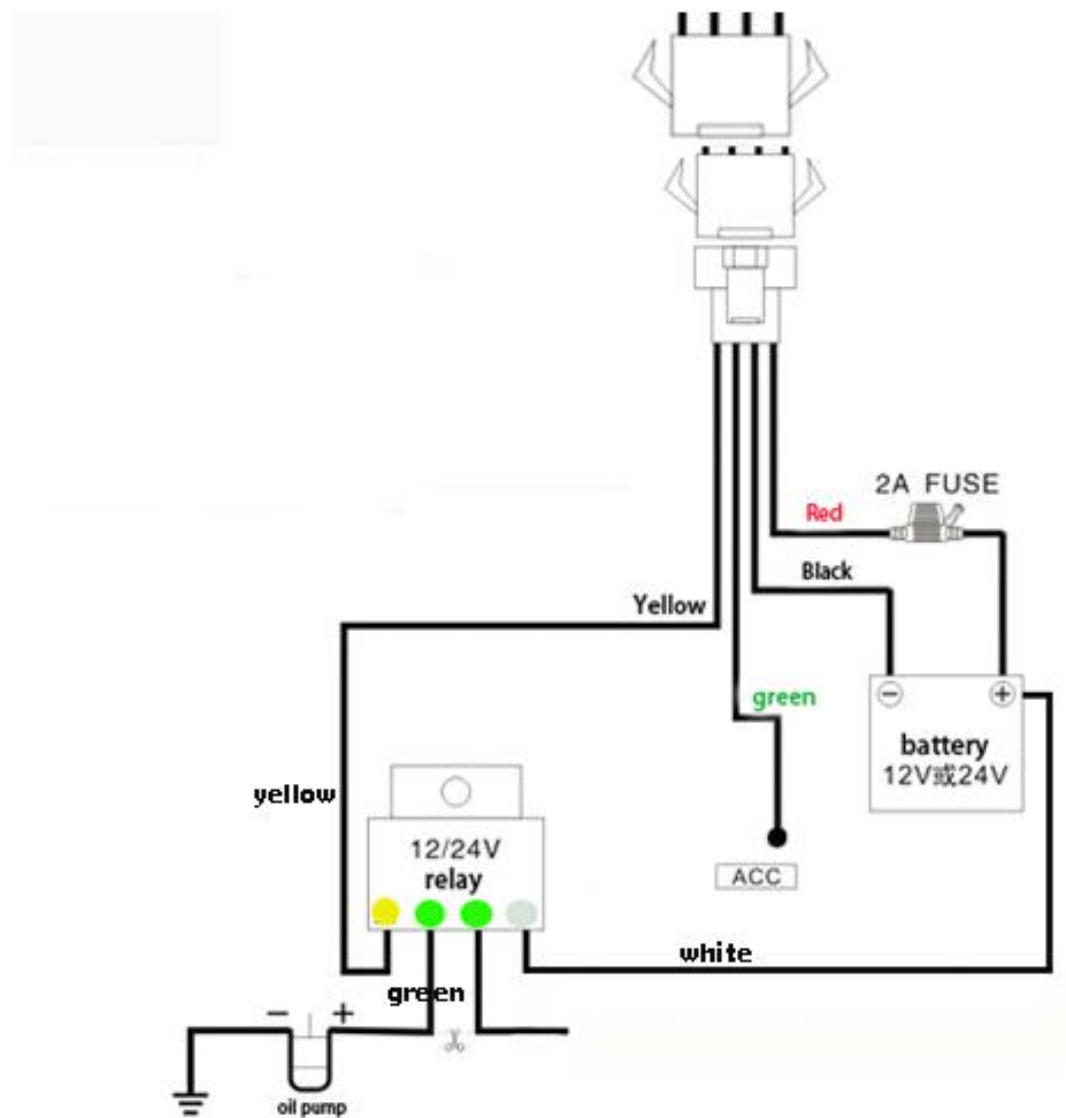
4.3 Device light description

Light	Signal	working status
Red light	Power	Stable light on
Yellow light	GSM signal	Stable light on
Blue	GPS signal	Stable light on

Note: the three lights must be stable lighting on represent device can work normally. Device will enter sleep mode with lights off around 5 minutes, it will wake up if make a call to device number.

5. Power Wires connection

1. Red wire connects to vehicle power anode +

2. Black wire connects to vehicle power cathode -

3. Yellow wire connects to oil pump or circuit control wires

4. Green wire connects to ACC ignition wire

6. Device Parameter Settings

6.1 Initialization

Send SMS "**#begin#password#**" to the tracker, it will reply "begin ok". (Default password:123456).

For example, send SMS "#begin#123456# ", If succeeded, it will reply "begin ok".

6.2 Set password

6.2.1Setup: Send SMS: "**#password#old password#new password#**" to the unit to change the password.

For Example, send SMS: "#password#123456#666888#" to device, it will reply SMS: "password OK".

6.2.2 Make sure the new password is in 6 digits arabic numbers, or the device cannot recognize the password.

6.2.3 Resume original password: send SMS: "**#resume#**" to the device, it will reply SMS: "resume password, password is 123456".

6.3 Authorization

6.3.1 Setup: send SMS"**#admin#password#cell phone number#**" to set up authorized number, device will reply "admin ok".

6.3.3 Delete authorization: send SMS"**#noadmin#password#authorized number#**" to delete the authorized number, device will reply "no admin ok".

6.4 Single Locating

6.4.1 If there is no authorized number, any number dials up the device number, it will report tracking message; If already set authorized number,

then it will not respond when an unauthorized number calls it.

6.4.2 **Dialing tracking**: make a call to device number, it will hang up and reply a real-time tracking message as below picture:

6.4.3 **SMS tracking**: send SMS"**#smslink#123456#**", it will reply a real-time tracking message as below picture:

6.5 Auto continuous track

6.5.1 Setup time interval: Send SMS "**#at#time interval#sum#0#**" to the device. Remark: device must be connected to tracking software.

For example, to set 30s time interval to upload data to platform, send SMS: "#at#30#sum#0#" to device.

6.5.2 Cancel: Send SMS "**#noat#password#**" to the device, it will stop sending data to platform.

6.6 Voice Surveillance

6.6.1 The command to switch between Track and Monitor are "tracker" and "monitor

6.6.2. The default mode is "tracker mode" (Tracking status).

6.6.3. Send SMS "**#monitor#password#**" to the device, and it will reply "monitor ok!" and switch to "monitor" mode. Then use mobile phone to dial the device number, it will get through and enter voice listening function.

6.6.4. Send SMS "**#tracker#password#**" to the device, it will reply "tracker ok!" and restore to "track" mode.

6.7 Overspeed alarm

6.7.1 Set up: Send SMS:"**#speed#password#speed number in 3 digits#**" to the device (suppose the speed is 80km/h), EG, send SMS "#speed#123456#080#", and it will reply "speed ok ". When the car moves exceeding 80 km/h, the unit will send SMS alert "speed alarm" to the authorized number.

6.7.2 Cancel: send SMS "**#nospeed#password#**" to deactivate the overspeed alarm. It will reply "cancel speed ok".

6.8 Geo-fence

Set up geo-fence for the unit to restrict its movement within a district. The device will send message to the authorized number automatically when it exceed the district.

6.8.1 Setup:When the unit stays immobile in a place based on GPS located, send SMS: "**#stockade#password#semidiameter#**"to unit to set the restricted district. In case of breach, it will send SMS "stockade! + Geo-info" to the authorized number.

For example, Send SMS: "#stockade#123456#3#", "3" represents 300 meters.

6.8.2 Cancel: Send SMS: "**#nostockade#password#**" to deactivate this function, it will reply "no stockade ok".

6.9 ACC ON alarm

6.9.1 Send SMS"**#ACC#ON#**" to device to start illegal start alarm function, when vehicle ignition on, device will reply "ACC!!" to the authorized number.

6.9.2 Send SMS"**#ACC#OFF#**"to device to cancel the function.

6.10 Time Zone Setting

Remark: UTC+8 is default time zone.

6.10.1 Send SMS "**#timezone#password#E or W#time zone number#time zone munites#**". If set OK, it will reply "time zone ok". For example, if in UTC-6, send SMS "#timezone#123456#W#6#00#". If in UTC+5.30, send SMS "#timezone#123456#E#5#30#".

6.11 GPRS setting

User must send SMS via cell phone to set IP, port and APN before starting GPRS.

6.12.1 Setting APN

6.12.1.1 APN standards for Access Point Name and differs from country to country. For more information about the local APN, inquiry from your local GPRS network operator.

6.12.1.2 Send SMS "**#apn#password#APN content#APN user name#APN password#**" via a cell phone and if succeeded, the tracker will return the message "set APN OK".

E.g. send SMS command "#apn#123456#cmnet#".

Notes: CMNET is the APN content of China Mobile (it has no APN user name and password). If there is no APN user name and password, then no

need to write APN user name and password.

6.13 IP and Port setting

6.13.1 Send SMS "**#IP#password#ip address#port number#**". If succeeded, "set ip address and port ok" will be returned by SMS.

E.g, Send SMS command "#IP#password#116.205.4.114#8169#" to the device (116.205.4.114 is IP, 8169 is port)

6.14 Cut oil or circuit (optional)

Send SMS "**#stopoil#password#**" to device, it will reply "stop oil ok", cut oil successfully.

Send SMS "**#stopelec#password#**" to device, it will reply "stop electricity ok", cut circuit successfully.

6.15 Recover oil or circuit

Send SMS "**#supplyoil#password#**" to device, it will reply "supply oil ok", recover oil successfully.

Send SMS "**#supplyelec#password#**" to device, it will reply "supply electricity ok", recover circuit successfully.

6.16 Power failure alarm (optional)

Built-in backup battery to realize power failure alarm, it will send SMS "cut power alert!" to the authorized number.

6.17 Check device setting parameters

Send SMS "**TCP**" to device, device will reply SMS as below :

" IP+port+APN+GPRS setting(A: GPS valid, V:GPS invalid)"

116.205.4.114:8169:cmnet:A

6.18 Web platform GPS tracking software

Web based platform www.gps228.com, further details please contact manufacturer.

Web platform features as below:

◆ Real time tracking

◆ History trace replay

◆ Platform disable oil or recover oil

◆ Multiple user fleet management

◆ Detect vehicle alarms and status

◆ Support Andriod & IOS APP tracking

7 Faults & Solution

Faults	Solution
yellow light flashing	Its failed to read SIM card, need re-install SIM card; after inserting SIM card, then turn on power
blue light flashing	GPS not located, check if working outside not in room; install place has no metal cover
Three light turn off	Lights will enter sleep after stable lighting on 5 minutes and not effect GPS working, when calling device again will wake up lights
Can't track online	Send SMS"TCP"check IP port is correct or not, GPS located show "A", V means GPS not located.
Device has no reply	Check if already existing admin number; SIM card has balance