

TK201-3 Manual

Product working mode >>>>

GPS module inside of the tracker will search gps signal, and send it by gsm module through sms or gprs .The user can get google map link in the mobile phone by sms and click it directly to check the position. The user also can log in tracking software to check the position or track by tracking software app.

GPRS setting for simple >>>>

1. Get tracking software account.
2. Prepare one sim card with gprs function, put it and battery into the tracker to turn it on.
3. Set up apn, apn user name, apn password, IP and port. Call to the tracker to check the position by tracking software.

Default setting >>>>

The tracker will send google map link to user without IP when call to it.

Link+speed(sp)+date(da)+battery volt(vo)+gps signal(si:h,m,l,0)+imei(im)

Http://maps.google.com/maps?f=q&hl=en&q=loc:22.567085,114.051240&sp=50,da=31/07/13

02:35,vo=4.28,si=h,im=012896009551158.

The tracker will send google map link to user and send gprs data to platform after set IP and call to it.

The tracker will send alert by sms to user and send gprs data with alert to platform if there is alert happen.

Application >>>>

Protect child/elderly/the disabled/pet etc

Manage outworker, protect business people

Tracking criminal secretly

Product function >>>>

Tracking by PC/PHONE via real time , Track by time Interval , Track by distance Interval.

GSM ID tracking.

Movement alarm.

Overspeed alarm.

Low battery alarm.

History trace ,GEO-FENCE

Waterproof for IP65 level

Hardware specification >>>>

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Content	Specs.
Item number	TK201-3
Size	49mm*40mm*17mm
Weight	35g
Battery	3.7V 460mAh
Standby time	120h
Power consumption for working current	≥200Ma
Power consumption for free current	≥6Ma
Input Power	DC5V
GPS chip	SIRF4chip
GPS sensitivity	-159dBm
GPS accuracy	5m
Network	GSM/GPRS
Frequency	850/900/1800/1900Mhz
Storing temp.	-40°C to +85°C
Working temp.	-20°C to +75°C
Humidity	5%--95% non-condensing

Product interface >>>>



1.Charging contactor

2. Working indicator

3. On/of key

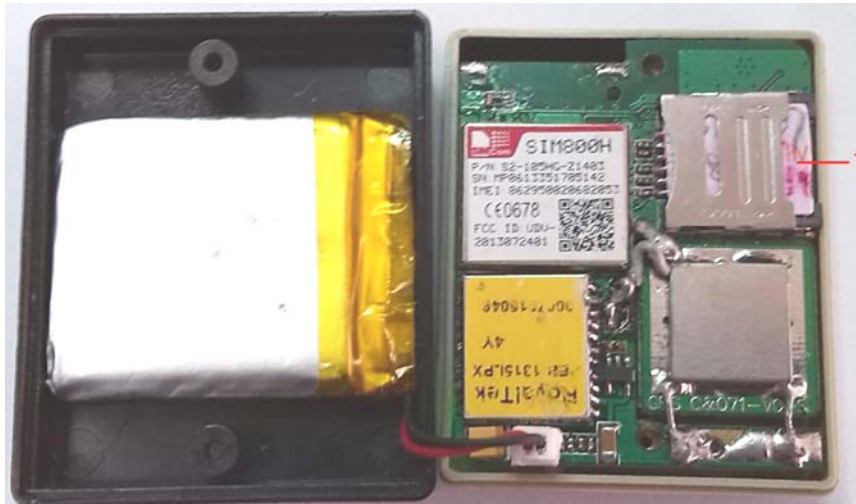
4. Charging indicator

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Install simcard

Please make sure as below before installing simcard:

No power in the tracker, caller ID display, no call transfer, pin code closed.



1. Simcard

LED indicator >>>>

In fortify mode, three indicators are off; In non-fortify mode, three indicators are on as above.

Turn on the tracker >>>>

The tracker will be on automatically when the battery is in. Led flashes slowly means the tracker is working on.

Change password >>>>

The default password is 123456 and new password must be 6 digitals.

Please remember the new password otherwise you must be update the software.

Set up authorized number >>>>

5 Authorized numbers can be set up in total. The other mobile numbers cannot track the tracker if the authorized numbers has be set up. Any number can track the tracker when without authorized number.

Please add country code before the mobile number when caller ID display include country code there is.

Track by Time Interval >>>>

You can track by fixed time when you set it, but the smallest interval must be 5 seconds.

GSM ID tracking >>>>

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GSM ID tracking can be used when the tracker is in GPS blind area.

GSM id is not so accurate because every communication station`s density is not different.

Movement alert

Press the button(or set by command) to set up fortifying mode. The tracker will send “mo+google map link” to authorized number if it goes out of the area within 500m. It is “mo” which alert code to the servers. Press the same button to cancel fortifying.

Overspeed alert

The tracker will send overspeed alert by sms or gprs when this function is set and it is over speed.

Low battery alert

The tracker will send “lo+google map link” to authorized number when the voltage of battery is less than 3.7V. It is “Lo” which alert code to the servers.

Initialization

The tracker will be initialized after setting up this command, but the password will not be change.

History-trace checking

The history trace within 30 days can be checked on tracking software if the auto-tracking is be set up in advance.

Geo-fence alert

The tracker will send geo-fence alert when it goes out of the area of set in advance.

Command Sheet

Setting	Example	Remarks
Change password	pa=234567 (password)	New password234567
Setup authorized phone number (can setup 5 numbers)	em=13145824321/13145824322/13145824323/13145824324	Each phone number must be separate for "/"
Time zone	zo=+2	Greenwich Mean Time(GMT)+2
IP and Port	ip=183.90.185.204:8881	
APN	ap=cmnet	
APN user	na=cmnet	Don't set this if have no APN user.

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APN password	co=123456	Don't set this if have no APN password.
Track by Time Interval	ti=30	Set ti 5-60000(sec)
Movement alert	mo=1 (move)	1 Is open,0 is close.
Overspeed alert	sp=80 (speed)	Over 80km/hour will send alert. 0 is close.
Send location message and alert to authorized phone	in=1 (info)	1 Is open ,0 is close.
Cut off the oil and circuit over the air	re=1 (relay)	1 Is cut off and 0 is connect.
Initialization	st=1 (start)	1 Is Initialization.

Send above SMS to the simcard inside the tracker , you can change the relevant parameters.

Example :

123456cmd,ip=183.90.185.204:8881 ,ap=cmnet,na=cmnet,co=123456,ti=30,pa=234567,em=13145824321/13145824322/13145824323/13145824324/13145824325,zo=+2,

set only which you want change ,but must add password ,for example :

123456cmd,ip=183.90.185.204:8881

Tracker will reply same information to authorized phone number after set successful.

You can also set commands by platform or Computer serial port.

After-selling service

The tracker can be changed for a new one within 15 days if there is quality problem.

The warranty is one year. even if it is more, but cost price and shipping cost are for buyer's account..

Please comply with the instructions to extend the life span

1. Keep the unit dry. Any liquid as rain, moisture maybe destroy or damage the inside circuit.
2. Don't use or store the unit in dusty places.
3. Don't put the unit in overheated or overcooled places.
4. Handle carefully. Don't shake it violently.
5. Clean the unit with a piece of dry cloth. Don't clean in chemicals or detergent.
6. Don't paint the unit, this maybe leave some foreign materials between the parts.
7. Don't disassemble or refit the unit.
8. Please charge the battery for 8-12 hours at the first time. Please use the charger and battery offered of xexun.
9. Don't dismantle the antenna randomly, or use other antennas. This maybe interfere the transmission, and increase the radiation.