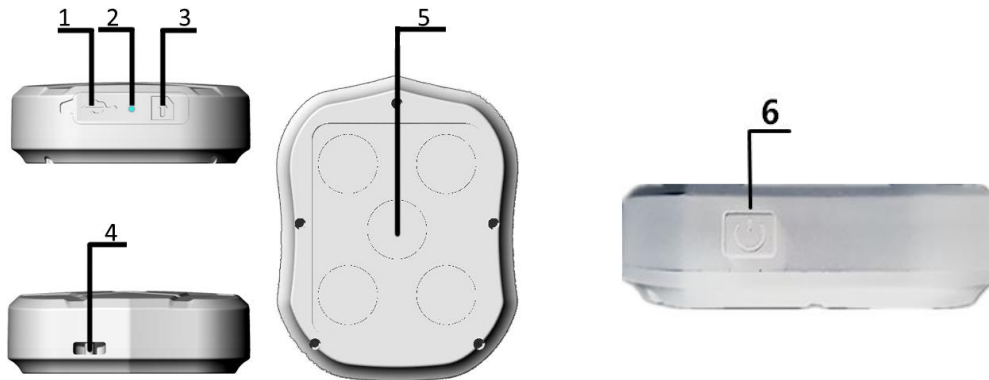# TK-STAR GPS TRACKER USER MANUAL

PREFACE

Thank you for purchasing TKSTAR GPS tracker. This manual shows how to operate the device smoothly in details, please make sure to read this manual carefully before using the device. Please be noted that any update of the manual is made without prior notice. Each time the update of the manual will be released in the latest product sales. The manufacturer won't assume any legal responsibility for any errors or omissions made in this manual.

1 SUMMARY

Working based on existing GSM/GPRS/WCDMA/LTE network and GPS satellites, this product can locate and monitor any remote targets by SMS, APP and Internet. It adopts the most advanced technology of GPS and AGPS dual positioning.

Content	Specs.
Dim.	90mm x 72mm x 22mm(3.5"*2.8"*0.8")
Weight	168g
Network	GSM/GPRS/WCDMA/LTE
Band	**FDD-LTE:B1 B2 B3 B4 B5 B7 B8 B12(17) B20 B28** **TDD-LTE: B38 B39 B40 B41** **WCDMA:B1 B2 B5 B8** **GSM:850/900/1800/1900**
GPS sensitivity	-159dBm
GPS accuracy	5m
Wall charger	110－220V input 5V-1A output
Battery	Chargeable 3.7V 5000mAh Li-ion battery
Stand by	30days
Time To First Fix	Cold status 45s Warm status 35s Hot status 1s
Storage Temp.	-40°C to +85°C
Operation Temp.	-20°C to +55°C
Humidity	5%--95% non-condensing

2.Hardware Description

1. USB port   2. Indicator light   3. SIM card slot

4. Lanyard hole   5. Strong Magnet   6. ON/OFF Button

Note: SIM CARD INSTALLATION GUIDE:

Prepare a SIM card (Nano SIM) which supports GSM/GPRS/WCDMA/LTE network

Normal SIM   Micro SIM   Nano SIM

3.TURN ON THE DEVICE

- **Open the rubber cover, insert the SIM card(chip up) to the slot.**
- Press the ON/OFF Button for 5S device will be Turn On ,and then LED light will be On.(if press the ON/OFF Button for 8S again, device will be Turn OFF.)
- The device gets GPS location when there is GPS signal and gets LBS location when there is no GPS signal.

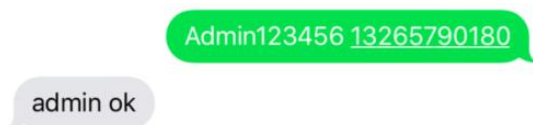| INDICATOR LIGHT STATUS	MEANING
Yellow light -Solid	No GPRS signal
Yellow light -Flash	GPRS connection
Blue light -Solid	No GPS signal
Blue light -Flash	GPS connection

4.**SMS Configuration**

4.1. Admin number setting (After admin number setting, all SMS operations to the device are under this number only.)

   Command: admin123456 phone number（This phone number is your own mobile phone number , not the SIM card number in tracker .）

   Reply：admin ok

    E.g：admin123456 13265790180

> Admin123456 13265790180

> admin ok

When the unit is in over-speed alarm, shake sensor alarm, or low battery alarm, it will send alert to the admin number.（13265790180）

Admin number Canceling:

   Command ：noadmin123456

   Reply：noadmin ok

4.3. Over-speed Alarm setting（It works only in continuous positioning mode.）

Over-speed Alarm setting:

   Command ：speed123456 070（Suppose speed is 70km/h）

   Reply：speed ok

   E.g：

> speed123456 070

> speed ok

When the unit speed is over 70km/h, it will send message "speed alarm!" to the admin number every 5 minutes.
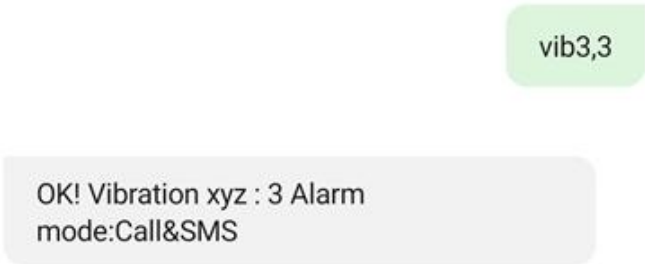
Over-speed Alarm canceling ：

   Command ：nospeed123456

   Reply：nospeed ok

4.4. Shake Alarm setting

   Command：vib3,3

Message Reply：OK! Vibration xyz:3 Alarm
Mode:Call&SMS

E.g：

vib3,3

OK! Vibration xyz : 3 Alarm
mode:Call&SMS

(Tracker only works for 5 minutes after being waked up, and back to sleep mode, GPS shut off, GSM works in low consumption mode. SMS command, calling tracker can wake up the tracker.)

4.5 Sleep by shock sensor mode setting: (Factory setting is "Sleep by shock mode")
   Command：sleep123456 shock
   Reply：sleep shock ok
   E.g：

Sleep123456 shock

sleep shock ok

(No shock for 5 minutes, the tracker will work in "sleep by shock" mode, GPS shut off, GSM works in low consumption. Vibration, SMS, calling can wake up the tracker.)

4.6 Monitor (Voice Surveillance),after device received the command, it will call back to the admin phone .
   Command: jt
   Not Reply

4.7 Terminal (local) Time Setting(factory setting   GMT 0)
   Command：timezone123456, local timezone
   Reply：time ok
   E.g：   timezone123456 ,1   timezone123456, -1   Timezone123456,8

timezone123456,8

time ok

4.8 Reboot Device
Command：RST
Reply：The tracker will immediately restart !
E.g：RST

RST

The tracker will immediately restart!

4.9 Upload Interval Setting. Setting the rate of reporting the GPS location information to server.
Command: Upload123456 30 (The Value Range 10---300S)
Reply:Upload Ok
E.g:Upload123456 30

upload123456 30

upload ok

4.9 IP and Port setting.
Command : szcs,123456,domain=211.162.69.241:7700
Reply: SET IP OK! IP:211.162.69.241#7700#
E.g： szcs,123456,domain=211.162.69.241:7700

szcs,
123456,domain=211.162.69.241:7700

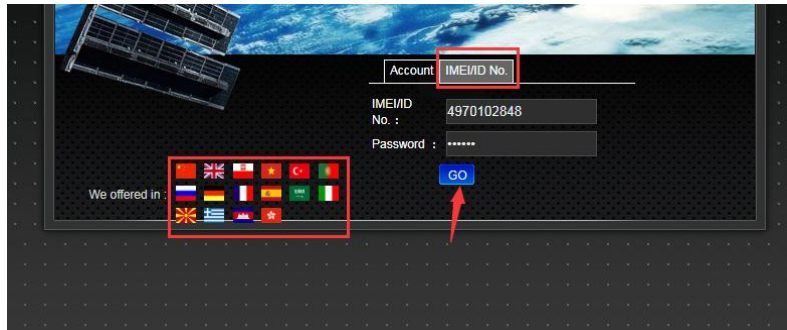SET IP OK! IP:211.162.69.241#7700#

6.0 WEB ONLINE TRACKING

Platform : 2.tkstargps.net (or   www.xetrace.com)
Select "Log in by IMEI/ID" on the bottom of screen
ID No. : on the back side of cover
Password: 123456

6.1 APPLICATIONS FOR ANDROID/iOS

Search "TKSTAR GPS" in the Apple App Store/Google Play
Store .

TKSTAR GPS

Select "Log in by IMEI" on the bottom of screen
Server: 2.tkstargps.net (or www.xetrace.com)
ID : on the back side of cover
Password: 123456

7. Notices:

1. GPS tracking can be worked outdoor.
2. Please make sure GSM SIM card supports making calls, sending messages, GPRS/WCDMA/LTE network.
3. Please make sure GSM SIM card is with sufficient balance.
4. Please make sure the GSM card has opened the call shows and turned off the call transfer.
5. Please insert the GSM phone card correctly.
6. Do not assembly and disassembly device at will.

8. FAQ and processing methods.

FAQ	Instructions/Solutions
Fail to turn it on	Please check if battery is charged
No GSM signal	● Please check if SIM card installed correctly. ● Please check if SIM card is GSM network. ● Don't turn on the PIN code ● no calls can be diverted
No GPS	A more open view of the sky is recommended to make sure the device can receive the GPS signal normally.
No reply to calling & No alarm message	Authorized / admin phone number is incorrect or has not setup
Platform position is difference from the actual position.	No uploading position time or no GPS signal: more open view of the sky is recommended to make sure the device can receive the GPS signal normally or try to set the high upload interval .