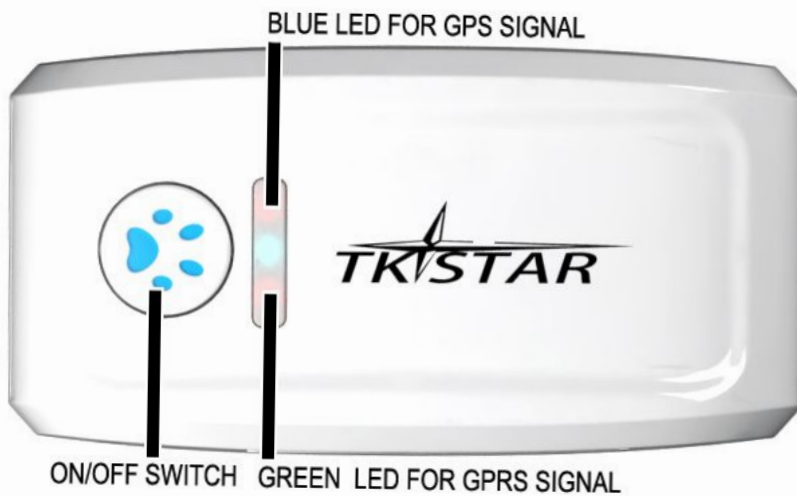# TK-STAR PET GPS TRACKER USER MANUAL

PREFACE

Thank you for purchasing the GPS 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. The manufacturer assumes not to be responsible for any errors or omissions in this document.

1. 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.
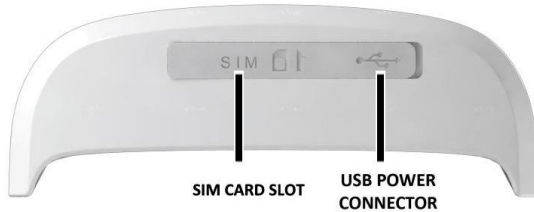
Content	Specs.
Dim.	70mm x 37mm x 20mm(2.7"*1.4"*0.78")
Weight	65g
Network	GSM/GPRS
Band	850/900/1800/1900Mhz
GPS sensitivity	-159dBm
GPS accuracy	5m
Time To First Fix	Cold status 45s Warm status 35s Hot status 1s
Car charger	12—24V input 5V output
Wall charger	110－220V input 5V output
Battery	Chargeable changeable 3.7V 1000mAh Li-ion battery
Stand by	300hours
Storage Temp.	-40°C to +85°C
Operation Temp.	-20°C to +60°C
Humidity	5%--95% non-condensing

BLUE LED FOR GPS SIGNAL

TKSTAR

ON/OFF SWITCH   GREEN LED FOR GPRS SIGNAL

LED INDICATOR STATUS	MEANING
GREEN-Not lit	Device fault or dormant.
GREEN-Continuously lit	No GPRS signal.
GREEN-Flashing	GPRS communication established.
Center-RED-Not lit	Fully charged.
Center-RED-Solid red	Charging.
BLUE-Not lit	No power to the unit or the unit can't start.
BLUE-Continuously lit	Searching for GPS signal.

BLUE-Flashing	GPS location successful.

2. INSTALLATION

2. 1 SIM-CARD INSTALLATION

SIM CARD SLOT   USB POWER CONNECTOR

Open the rubber cover on the side of device ,insert the sim card into sim card slot , if you have purchased a MICRO SIM , you will need to use the Micro SIM adapter enclosed, like this:

Pet collar should penetrate the device like the photo below：

2.2 USE THE GPS DEVICE

- Turn on the unit outdoors by pressing the "on/off" button until the indicator is on.
- For first use, please initialize the unit and restore it to default setting. (Please refer to 3.1 for instruction.)
- In 10 or 40 seconds, the unit will begin to work and acquire the GSM signals as well as the GPS signals. The indicator will keep flashing every 3 seconds when the unit has received the signals.
- When this unit receives GPS signals normally, you can use it and do any setting as the instructions of this manual.

2.3 EXPLANATION OF PARAMETERS/CODES IN SMS MESSAGE

1. **Google Maps link:** This is the link to the Google map showing the position of the tracker unit.When click the link, if a map is displayed, there is GPS information for the unit. If there is no may, there is no GPS information for the tracker.
2. **V:A/V:** Indicates GPS signal. V:A indicates there is a GPS signal; V:V indicates there is no GPS signal.
3. **2014-07-29 06:41:43** The date and time stamp when the unit last received a GPS signal.
4. **S: 007km/h:** This indicates the last known speed of the unit.
5. **Bat:80%** The approximate amount of battery charge remaining. The value is between5%and 100%, with 100% being fully charged.
6. **4109112546:** The IMEI code of tracker device. This number is used for tracking website and the app.

3. SMS Tracking

1) Call the SIM-card phone number in the device by other cell phone
2) Receive a Google Maps link by SMS to your mobile phone
3) Click on the Google Maps link
4) Now it displays the position of device.

3.1 Command Instruction

INSTRUCTION	COMMAND	REPLY
Reboot the device	begin123456	begin ok
Set authorized number	admin123456+space+phone number	admin ok
Cancel authorized number	noadmin123456+space+phone number	noadmin ok

SMS Track	G123456#	Google link
Set GMT time zone number	timezone123456+space+ 8	time ok
Sleep by time (default mode-save much power,tracker will fall asleep in 5 minutes)	sleep123456+space+time	sleep time ok
Sleep by shock sensor(Suits for tracking on platform)	sleep123456+space+shock	Sleep shock ok
No sleep(tracker will continuou working)	sleep123456+space+off	sleep off ok
Switch to the NO GPRS mode(default mode)	Nogprs123456	Nogprs ok
Switch to the GPRS mode(for tracking online)	gprs123456	gprs ok
Format the device （ must send by authorized number）	format	

3.2 ONLINE TRACKING

3.2.1 COMMAND INSTRUCTION TO SET THE ACCES POINT NAME (APN)

NAME	INSTRUCTION	COMMAND	REPLY	FOR EXAMPLE
Switch to the GPRS mode	Turn on GPRS	gprs123456	gprs ok	gprs123456
APN	Set new APN (old one will be replaced)	apn+123456+space+apn content	apn ok	apn123456 apn
APN user	Set APN username	apnuser+123456+space+content	apnuser ok	apnuser123456 user
APN password	Set APN password	apnpasswd+123456+space+content	apnpasswd ok	apnpasswd123456 password
Set Upload the frequency	Default 120 seconds	Upload+123456+space+30	Upload ok	Upaload123456 30

3.2.2 START ONLINE TRACKING

Note: Must turn on GPRS function (send comand "gprs123456 to the device) and set the apn first

Platform : 2.tkstargps.net
IMEI No. : In the back side of cover
Password: 123456

3.2.3 APPLICATIONS FOR ANDROID/iOS
Search TKSTAR in the Apple App Store/Google Play Store to install the applications .

Select "Log in by IMEI"
Server: 2.tkstargps.net
IMEI : In the back side of cover
Password: 123456

Note:

When the device can't get GPS signal in one minute or in sleep mode, it will reply history position (V:V); the device will send real time tacking information until it get GPS signal (V:A).

Make sure that all the symbol"+"in sms commends is just for quick understanding, which don't need to enter "+" in sms, and "space" means press the space bar button of the cell phone.

When the device location show different with map, there are two kinds of circumstances, 1.Device in sleep condition, 2 No GPS signal;Solution: Dial SIM Card Number in the Device, if only reply one SMS with "V:V", it means no GPS Signal; If reply one SMS, with "V:A", it means device in sleep model;
(Note: We advice use Shock Sleep Model when driving)