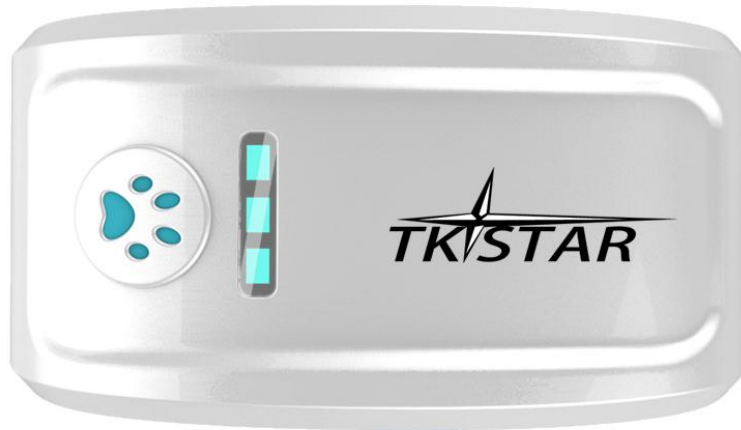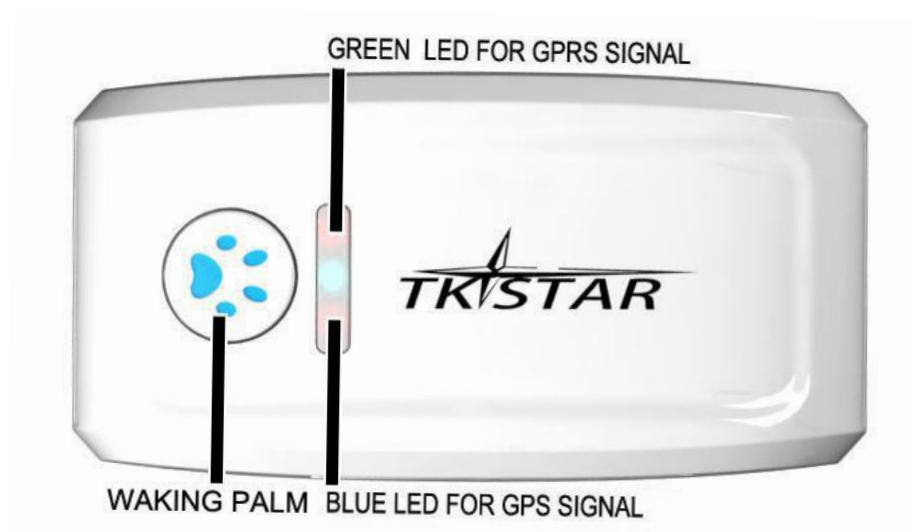# TK-STAR PET GPS TRACKER USER MANUAL



# 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 | 44g |
| Network | GSM/GPRS |
| Band | 850/900/1800/1900Mhz |
| GPS sensitivity | -159dBm |
| GPS accuracy | 5m |

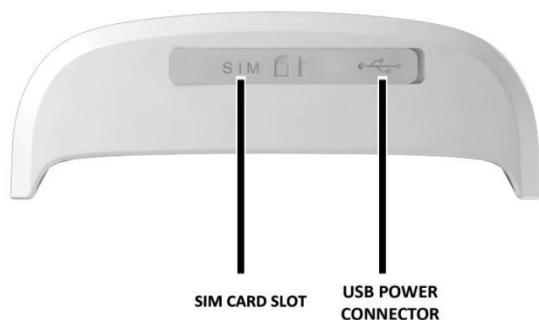| | |
|---|---|
| Time To First Fix | Cold status    45s<br>Warm status    35s<br>  Hot status    1s |
| Car charger | 12—24V    input<br>  5V-1A     output |
| Wall charger | 110－220V    input<br>    5V-1A   output |
| Battery | Chargeable changeable 3.7V 1000mAh Li-ion battery |
| Stand by | 400hours |
| Storage Temp. | -40°C to +85°C |
| Operation Temp. | -20°C to +55°C |
| Humidity | 5%--95% non-condensing |



GREEN  LED FOR GPRS SIGNAL

WAKING PALM  BLUE LED FOR GPS SIGNAL

| LED INDICATOR STATUS | MEANING |
|---|---|
| GREEN-Solid | No GPRS signal. |
| GREEN-Flashing | GPRS communication established. |
| Center-RED-Not lit | Fully charged. |
| Center-RED-Solid red | Charging. |
| BLUE-Solid | Searching for GPS signal. |
| BLUE-Flashing | GPS location successful. |

Note: SMS tracking works in GREEN-Solid mode and GREEN-Flashing mode,    online tracking only works in GREEN-Flashing mode, turn on GREEN-Flashing mode by sending command "gprs123456" and set APN for the tracker

## 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:



## 2.2 USE THE GPS DEVICE

●··    Turn on the unit outdoors by insert sim card.

●··    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.

●··    Turn off the unit by taking away sim card.

## 2.3 EXPLANATION OF PARAMETERS/CODES IN SMS MESSAGE



http://maps.google.com/maps?q=22.63933%2c114.17166 V:A,2014-07-29 06:41:43 S:007km/h,Bat:80%,4109112546

(1) (2) (3) (4) (5) (6)

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 phone number | admin ok |
| Cancel authorized number | noadmin123456 phone number | noadmin ok |
| SMS Track | G123456# | Google link |
| Set GMT time zone number | timezone123456 8<br>Timezone123456 -8 | time ok |
| Sleep by time (default mode-save much power,tracker will fall asleep in 5 minutes) | sleep123456 time | sleep time ok |
| Sleep by shock sensor(Suits for tracking on platform) | sleep123456 shock | Sleep shock ok |
| No sleep(tracker will continuou working) | sleep123456 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 |
| Status Check | Check123456 | IP,APN,GPS, GSM,status |

**3.2 ONLINE TRACKING**

**3.2.1 Turn on GPRS function by sending comand "gprs123456" to the tracker, and set the apn for tracker, then online tracking will work .**

**APN information is from sim card carrier ,every sim card carrier has different APN information, there are**

**two ways to find APN out: check sim card carrier on internet or put sim card into own cell phone to find check APN**

### 3.2.2 COMMAND INSTRUCTION TO SET THE ACCES POINT NAME (APN)

| INSTRUCTION | COMMAND | REPLY |
|---|---|---|
| Turn on GPRS | GPRS123456 | GPRS OK |
| Set new APN ( any existing will be replaced) | apn123456 apn content | apn ok |
| Set APN username | apnuser123456 content | apnuser ok |
| Set APN password | apnpasswd123456 content | apnpasswd ok |
| Set data upload interval ( default:120 seconds) | Upload123456 3600 | Upload ok |

### 3.2.3 START ONLINE TRACKING



Platform : https://mytkstar.net/
IMEI No. : on the back side of cover
Password: 123456

### 3.2.4 APPLICATIONS FOR ANDROID/iOS

Search "Winnes GPS" in the Apple App Store/Google Play Store or Scan the QR Code to install the applications on your cell phone.

Select "Log in by IMEI" on the bottom of screen
Server: 2.tkstargps.net
IMEI : on 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).

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)