

# GPS TRACKER USER MANUAL



## PREFACE

Thank you for purchasing the GPS tracker. This manual shows how to operate the device smoothly and correctly. Please read the instruction 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.

## How to use it

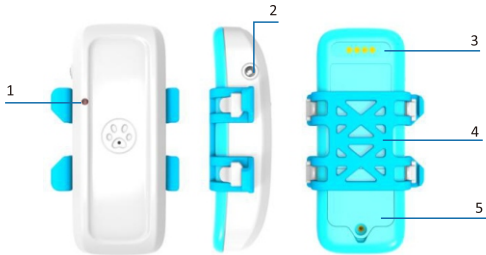
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### 1.SUMMARY

Working based on existing GSM/GPRS/LTE network and GPS satellites, this product can locate and monitor any movable equipment by SMS, APP and Internet. The most advanced technology of GPS and AGPS dual positioning.

<b>Content</b>	<b>Specs.</b>
Dim.	75mm x 29mm x 18mm(2.9"*1.1"*0.7")
Weight	41g
Network	2G Ver. : GSM/GPRS 4G Ver. : GSM/GPRS/LTE
Ver.-2G	GSM: 850 / 90 / 1800 / 1900Mhz
Ver.-4GE	LTE-FDD: B1/B3/B5/B7/B8/B20 GSM: 900 / 1800Mhz
Ver.-4GSA	LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28/B66 GSM: 850 / 90 / 1800 / 1900Mhz
GPSsensitivity	-159dBm
GPSaccuracy	5m
Charging input	DC5V---1.0A
Battery	Chargeable 3.7V 700mAh Li-ion battery
Stand by	7 days
Storage Temp.	-40°C to +85°C
Operation Temp.	-20°C to +55°C

## 2. Hardware Description



- |  |                  |
|--|------------------|
| 1. Indicator light/"Find device" light | 2. Switch button |
| 3. USB charging port                   | 4. Rubber clip   |
| 5. SIM card slot cover                 |                  |

INDICATOR LIGHT STATUS	MEANING
<span style="color: yellow;">●</span> Yellow light -Solid	No GPRS signal
<span style="color: yellow;">●</span> Yellow light -Flash	GPRS connection
<span style="color: blue;">●</span> Blue light -Solid	No GPS signal
<span style="color: blue;">●</span> Blue light -Flash	GPS connection
<span style="color: red;">●</span> Red light -Solid	Charging
<span style="color: gray;">●</span> Red light -off	Full charged
<span style="color: gray;">● ●</span> Yellow&Blue lights -off	In a Power Saving Zone

### 3.USE OF THE DEVICE

#### 1.Purchase SIM card

Buy a Normal SIM card( Nano SIM card), register the SIM card and top up with credit.

nano sim card



#### **NOTE:**

2G Ver.:ONLY GSM SIM Card works in this model.

4G Ver.:ONLY GSM or LTE SIM card works in this model.

#### 2.Remember SIM card number

Make a note of your GPS SIM card number.

**NOTE: GPS ONLY works outdoor.**

#### 3.Installation of SIM card

- Unscrew the screw of the sim card slot, open the cover, and put the SIM card into the card slot and fasten it.
- Turn on the device by pressing the switch button shortly, indicator lights up if tracker is turned on.
- When the unit has received the signals, the indicator light flashes every 3seconds in the working state.
- When this unit receives GPS signals normally, you can use it and do any setting as the instructions of this manual.
- Press and hold the switch button to turn off the device, the device indicator will go out.

#### 4.SMS TRACKING

Note: All SMS commands are the same as APP commands, device will follow the last command you issued by SMS/APP.

(The following yellow space is a blank in SMS command)

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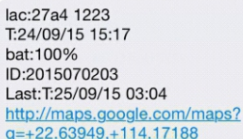
4.1. Call the SIM card phone number in tracker, you will receive a Google Maps link of position, or sending message "G123456#" to SIM card phone number in tracker .

E.g:



lat:22.63952  
lon:114.17122  
Spd:002  
T:24/09/15 16:00  
bat:100%  
ID:2015070203  
[http://maps.google.com/maps?  
q=+22.63952,+114.17122](http://maps.google.com/maps?q=+22.63952,+114.17122)

Pic (1)



lac:27a4 1223  
T:24/09/15 15:17  
bat:100%  
ID:2015070203  
Last:T:25/09/15 03:04  
[http://maps.google.com/maps?  
q=+22.63949,+114.17188](http://maps.google.com/maps?q=+22.63949,+114.17188)

Pic (2)

**Pic 1: Replied real-time tracking information under GPS satellites signal.**

- **Lat:22.63952 lon:114.17122** Positioning of the latitude and longitude values.
- **Spd: 000** This refers to the device moving speed. The unit is km/h.
- **T:24/09/15 16:00** real-tracking time, the Default is London time. You can set language and time zone in APP.
- **Bat: 100%** The battery value is between 10% and 100%. Once it is less than 30%, an alert will be generated.
- **2015070203:** Device ID No., this number is used to log in to APP and tracking website.
- **Google Link:** This is the link to the Google map showing the position of the device.

**Pic 2 : Replied LBS tracking information without GPS satellites signal.**

- **Lac:27a4 1223:** Real-time LBS positioning data.
- **T:24/09/15 15:17** LBS positioning time.
- **Bat: 100%** The battery value is between 10% and 100%. Once it is less than 30%, an alert will be generated.
- **Last: T:25/09/15 03:04** This is the time when tracker got last GPS signal.
- **Google Link:** This is the position of last gps signal appeared.

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4.2. 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`00861326XXXXXX



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. Sound switch for Find device

( Let your tracker sound to help you find your pets or device. )

Turn on device's sound

Command: `Soudswitch123456 on`

Reply: `SOUND ON OK`

Turn off devices sound

Command: `Soudswitch123456 off`

Reply: `SOUND OFF OK`

4.4. Light switch for Find Device

( Let your tracker brighten to help you find your pets or device. )

Turn on device's light

Command: `Ledswitch123456 on`

Reply: `LED ON OK`

Turn off device's light

Command: `Ledswitch123456 off`

Reply: `LED OFF OK`

## How to use it

### 4.5. Terminal (local) Time Setting(factory setting GMT0)

Command: `timezone123456|local time zone`

Reply: `time ok!`

E. g:

`timezone123456 +1`

`timezone123456 -1`

`timezone123456 0`

Timezone123456 +1

time ok

(note: it's used for changing the timezone in SMS positioning)

### 4.6. ResetHardware

Command: `begin123456`

Reply: `begin ok`

E.g:

begin123456

begin ok

(note: all other settings are restored to the factory state except for the APN setting)

## 5.STARTONLINETRACKING

(Note:if you inserted the correct SIM Card and the device is online on the APP, no need to send the following APN setting commands.)

5.1Set the APN for the tracker, then its online tracking by APP and platform works.

Every sim card carrier has own APN content, we have two methods to find out apn content : check sim card carrier on internet or put sim card into cell phone to find out APN

Set apn by sending command "`apn123456|content`", "`apnuser123456|content`" "`apnpasswd123456|content`" pls note the content is from SIM card carrier, there is small blank after 123456 in every command.

After the apn setting is successful, please re-insert the sim card to boot the device.

### COMMANDINSTRUCTIONTO SET APN

INSTRUCTION	COMMAND	REPLY
Set APN ( any existing will be replaced)	<code>apn123456 apn content</code>	apn ok
Set APN username	<code>apnuser123456 content</code>	apnuser ok
Set APN password	<code>apnpasswd123456 content</code>	apnpasswd ok

### 5.2 WEBSITE TRACKING

**Platform :** [www.mytkstar.net](http://www.mytkstar.net)

Select "Login by ID" on the bottom of screen.

**ID No. :** on the back side of cover.

**Password:** 123456

### 5.3 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.



WINNES GPS  
li yi

#### 5.3.1 Login by ID (Only one tracker)

Select "Login by ID" on the bottom of screen

**Server:** [www.mytkstar.net](http://www.mytkstar.net)

**ID No. :** on the back side of cover.

**Password:** 123456

#### 5.3.2 login by username

**Note:** If you have two tracking devices or more, you need to contact the seller customer service first to create an account for your devices. You can login by username when you get a username and password.

Select "Login by username" on the bottom of screen

**Server:** [www.mytkstar.net](http://www.mytkstar.net)

**username:**contact the seller customer service to create it

**Password:**123456

#### 5.3.3 Real-time tracking


Real-time tracking not only can track the position of the device, but also can track the position of smart phone


On map click "+" and "-" to zoom in and zoom out the map.



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Click " " to view different location between smart phone and device,

and click " " to change the map vision between 2D/3D.

### EXPLANATION OF OTHER ICONS IN APP:

**Historical route:** It could find the route map for nearly six months by choosing the beginning and ending time.

**Geo fence:** It will generate an alarm on App when the device is out of the Geo fence you set.

### Geofence Set Up

Select Geofence at the screen.

Click on the upper right corner "+" under main menu for setup geo-fence. Then the device will lock device's present position as center automatically, then adjust the radius distance by "+", "-" on map (default radius is 100 meters, recommended radius is over 500 meters). Save settings by clicking "OK". The device will send alarm information when the device is out of the range.

Long press to delete it.

**Issue:** Issue commands to the device.

**Device info:** The information of device.

**Device message:** The alert message generated by the device.

**User Info:** The information of account.

**Alarm setting:** Turn on/off the different alarm types for the device.

**Seek pets:** Let your tracker brighten or sound to help you find your pets or device.

**Data statistics:** Count the status of pets by counting steps per hour  
( Run/Walk/Rest )

### Explanation of settings in the "Issue" icon:

**Set Admin number:** The phone number that can control the device by SMS, and receive the alarm message.

(Canceled by deleting the phone number and clicking "OK".)

**Set SOS number:** The number that can receive the alarm message.

(Cancel the sos number by deleting the phone number and clicking "OK".)

**Low Battery Alarm Switch:** Turn on/off the low battery alarm message function.

**Set Overspeed Alarm:** Input speed value to set it.

(Cancel the overspeed alarm by entering "0" and clicking "OK".)

Alarm occurs when the speed exceeds the set speed.

**Vibration alarm switch:** if the vibration alarm is switched on, you will receive a vibration alarm when tracker vibrates in sleep mode.

If vibration occurs after 5 minutes of continuous stationary, an alarm will be issued.

**LED:** Turn on/off the LED indicator light.

**Set Language and Timezone:** Set the language and time zone for SMS tracking message.

**GPS work mode setting:**

For select the upload frequency of device positioning data: factory default is 60 seconds

## 6. FAQ and processing methods.

### 1.Fail to turn it on:

Please check if battery is charged.

### 2.No SIM signal:

- Please check if SIM card installed correctly
- Please check the network frequency band supported by the sim card
- Don't turn on the PIN code
- No calls can be diverted

### 3.No GPS signal:

A more open view of the sky is recommended to make sure the device can receive the GPS signal normally.

### 4.No reply to SMS command:

The command format is wrong or insufficient SIM card balance.

Please make sure SIM card has sufficient balance, and supports making calls, sending messages, GPRS network, and has opened the call shows and turned off the call transfer.

### 5.SMS position OK, cannot use the APP and web platform:

Please check if APN is correctly set. And find out the correct APN content of the SIM card. (Pls refer to 5.1 setting.)

### **ELECTROMAGNETIC COMPATIBILITY**

Very strong magnetic fields (e.g. transformers) should always be avoided as this may result in variations in the transmission. Failure to follow these instructions may lead to malfunctions or damage to your Winnes GPS device.

### **RISKS FOR CHILDREN AND PEOPLE IN NEED OF CARE**

The use of this device is not intended for people (including children) with limited physical, sensory or mental abilities or lack of experience and/or lack of knowledge, unless they are supervised by a person responsible for their safety or have been instructed on the use of the device.

Note: Some countries, states or regions have laws related to location based tracking of people, animals and objects. It's the sole responsibility of the owner and user to abide by the law and rules in the area the Winnes GPS device is used. Please switch off the Winnes GPS tracker before boarding a plane.

### **SAFETY ADVICE**

A faulty electrical installation or an excessive mains voltage may cause an electric shock.

- Before use, adjust the mains voltage of the socket with the information on the type plate.
- Before use, make sure that the mains voltage of the socket corresponds with the information on the type plate.
- To be able to disconnect the charging cable from the mains as quickly as possible in the event of a failure, connect the power supply unit where it is easily accessible.
- If you notice any visible damage to your GPS tracker or charging cable, do not use it.
- Do not open the housing of the GPS tracker. Leave the repair to qualified specialists. However, if you carry out repairs yourself, connect the GPS tracker incorrectly or operate it incorrectly, liability and warranty claims are excluded.

## How to use it

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### BATTERY OPERATION

Your transmitter is operated by a rechargeable lithium polymer battery. Below you will find some advice on the use of rechargeable batteries:

- The battery of the Winnes GPS device cannot be replaced and must not be removed.
- Batteries may not be disassembled, thrown into fire or short circuited.
- Do not burn or pierce the GPS tracker. Protect it from mechanical damage.
- Never expose the Winnes GPS device to excessive heat such as sunshine, fire or the like! This increases the danger of battery leakage.
- Only use the USB cable that came with your Winnes GPS device. The use of other cables might overcharge the battery and can lead to fire or explosion.

Disregarding these instructions can cause damage and possibly even cause the battery to explode.

### DISPOSAL

Batteries are hazardous waste. For the correct disposal of batteries, appropriate containers are provided at the premises of commercial battery as well as local council waste disposal facilities. If you want to dispose of your GPS device, follow the current local provisions at the time. Information may be obtained from the local council waste disposal facility.

Dispose of the packaging according to type. Add cardboard to the paper bank, plastics to the recyclables collection.

### DECLARATION OF CONFORMITY

CERED Directive 2014/53/EU:

Short text of the Declaration of conformity: Juneo hereby declares that the TKSTAR/Winnes GPS Tracker (item no. TK911) conforms to the fundamental requirements and other relevant provisions of directive 2014/53/EU.

The full text of the declaration of conformity can be viewed on our website: [www.mytkstar.net/en/doc.html](http://www.mytkstar.net/en/doc.html)

