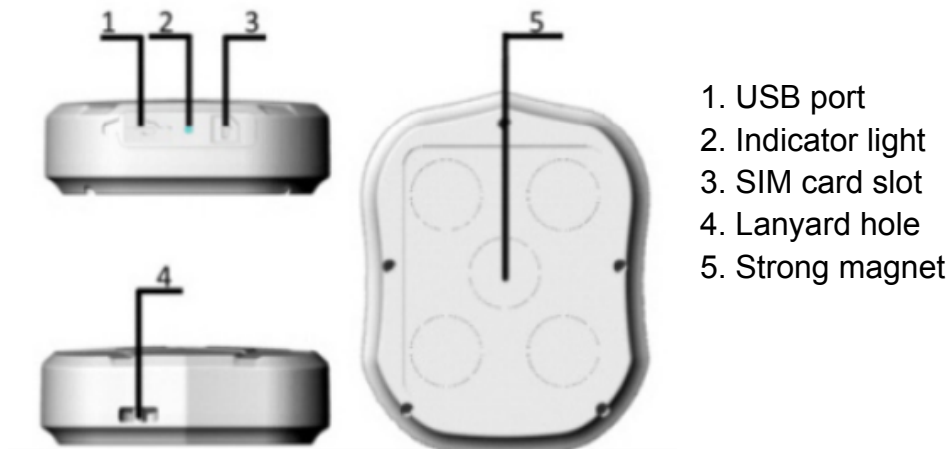


Water Resistant GPS Tracker TK905



Hardware description



Indicator light status and meaning

Yellow light-Solid - No GPRS signal
Yellow light-Flash - GPRS connection
Blue light-Solid - No GPS signal
Blue light-Flash - GPS connection

Buy a normal SIM card (standard SIM card), register the SIM card and top up with credit



Note: If you have bought a Nano/Micro SIM card, you will need to use an adaptor to fit in.

Remember the SIM card number.

Make a note of your GPS SIM card number.

Note: GPS only works outdoors.

Charge and turn on the device

- Turn on the device: By inserting the SIM card.
- The indicator light is on when the SIM card is inserted.
- The device automatically turns off when the SIM card is removed.
- Charge your GPS tracker with a provided USB cable.

The red light on the device shows the battery is charging. Once the battery is fully charged, the red light will disappear.

NOTE: Do not use a fast charger. This can damage the battery.

SMS tracking

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

1. To receive a Google map link of the location of the GPS tracker:

Send a message "G123456#" to the SIM Card number or Call the SIM Card number in the GPS tracker. You will receive a text message with a Google map link. Click the link to be diverted to a Google map, pinpointing the exact location of the person with the GPS tracker.



Explanation of parameters/codes in SMS message

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

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

(Replied real-time tracking information under GPS satellites signal.)

- lat:22.63952 lon:114.17122

Positioning of the latitude and longitude values.

- spd:002

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 20%, it alarms.

- ID:2015070203

Device ID NO. to log in APP and platform.

- Google maps link

This is the link to the Google map showing the position of the tracker unit.

(Replied LBS tracking information without GPS satellite 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 20%, it alarms.

- ID :2015070203

Device ID NO. to log in APP and platform.

- Last:T:25/09/15 03:04

This is the time when the tracker got last GPS signal.

- Google maps link

This is the position of the last GPS signal that appeared.

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

3. Over-speed Alarm setting (It works only in Sleep by shock sensor mode.)

Over-speed Alarm setting:

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

Reply: speed ok

E.g:

speed ok

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

Over-speed Alarm canceling:

Command: nospeed123456

Reply: nospeed ok

4. Shake Alarm Setting

Command: shock123456

Message Reply: shock ok

shock123456

shock ok

Note: Pls keep the tracker being stationary for 5 minutes, this function will work. The tracker will send SMS "sensor alarm!" to the admin number when the unit get shaken.

Shake alarm Canceling:

Command: noshock123456

Reply: noshock ok

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)

6. Device working mode setting

Sleep by shock sensor mode setting: (Factory setting is "sleep by shock mode")

Command: sleep123456 shock

Reply: sleep shock ok

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, and calling can wake up the tracker.)

Sleep by time mode setting:

Command: sleep123456 time

Reply: sleep time ok

sleep123456 time

sleep time ok

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

7. Reset Hardware

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)

Start online tracking

(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.)

1. Set the APN for the tracker, then its online tracking by APP and platform works.
Every sim card carrier has its own APN content, we have two methods to find out apn content: check sim card carrier on the 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 a SIM card carrier, there is a small blank after 123456 in every command.
After the apn setting is successful, please re-insert the sim card to boot the device.

Command instruction to set APN

Instruction - Command - Replay

Set APN (any existing will be replaced) - apn123456 apn content - apn ok

Set APN username - apnuser123456 content - apnuser ok

Set APN password - apnpasswd12345 content - apnpasswd ok

For SpeedTalk SIM card in the US, the APN information we got it as follows:

APN: Mobilenet

APN username: (none)

APN password: (none)

So please use your phone, and send 1 text commands to the SpeedTalk SIM# step by step to set apn:

Send SMS: apn123456 mobilenet

Once receives: apn ok

Then please remove and re-insert the SIM card from the device to reboot the device.

2. Website tracking

Platform: www.mytkstar.net

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

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

Password: 123456

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
CHANGSHA YUNANG
NETWORK TECHNOLOGY CO.,

- Login by ID (Only one tracker)

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

Server: www.mytkstar.net

ID No.: on the back side of the cover

Password: 123456

- Login by username

Note: If you have two tracking devices or more, you can click "Sign Up" on the app to register an account to track multiple devices at the same time, device ID numbers can be added to your account through the app.

Select "Login by username" on the bottom of screen

Server: www.mytkstar.net

Username: The email you used to create your account.

Password: The password you set when registering your account.

- Real-time tracking

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

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

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 the App when the device is out of the Geo fence you set.

Issue: Issue commands to the device.

Device info: The information of the device.

Alert message: The alert message generated by the device.

Account Info: The information of the account.

Notifications: Turn on/off the different alarm types for the device.

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 the 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 messages.

GPS work mode setting: For selecting the upload frequency of device positioning data: factory default is 60 seconds.

FAQ and processing methods

1. Fail to turn it on:

Please check if the battery is charged.

2. No SIM signal:

- Please check if SIM card installed correctly
- Please check if SIM card is support GSM or LTE network
- Make sure the SIM Card's PIN code is deactivated
- Make sure the calls transfer is not active

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 the 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.)

6. Platform position is difference from the actual position:

No uploading position time or no GPS signal: call the device phone number and receive the position message. If it shows like Pic 2, it means no GPS signal. The position is the last GPS positioning location; if it shows like Pic 1, it means the device doesn't reach the uploading time.

Notices: Do not assemble and disassembly devices at will.