

Personal GPS Tracker TL-406 User Manual

1.Appearance



TL-406 is waterproof IP67 GPS personal tracker developed by Toplovo. With two-way communication, SOS alarm, fall down alert, auto tracking and precious positioning, it is suitable for children, elder people, lone workers, patients and vehicles. You can implement real-time tracking anywhere via the mobile phone APP or tracking platform. It helps to protect everyone who you care about.

2.Specifications

Content	Specs
1G	European: 900/1800MHz
1G HSPA Bands	America: 82/84/812 European: 81/88 Australia: 81/ 88
4G LTE (CAT-1) Bands	European: 81/84/87/88/92/1 America: 82/84/812 Australia: 81/84/85/87/88/92/8
Dimensions	43.5* 70.0 * 21.0 mm
Weight	55.3g
Waterproof Level	IP67
Color	Black/Green/Yellow
GPS Sensitivity	Tracking: -160dbm Re-acquisition: -155dbm Acquisition: -148dbm
GPS Accuracy	<10m
GPS Start time	Cold start: 36s Warm start: 22s Hot start: 1s
Battery Capacity	1100mAh
SIM Card Type	Nano SIM
Fireproof Upgrade Mode	OTA Update
Maximum Standby Time	7 Days
The longest Working Time (EMN upload data once)	72 hours
Regular Charge Current	300mA (Max)
Charging Time	3-4 hours
Wireless Charge Current	300mA (Max)
Charging Time	2-3 hours
Operating Temperature	-20°C to +60°C
Working Humidity	5% ~ 95%

11.Fall down alert

Send command **123456KLXXX** to set threshold, XXX is 3 digital number (000<xxx<255). 000 means to close the fall down alarm function and 255 means the most sensitive fall detection.
Ps.XXX is advised to be from 045 to 060.

For example, Send command **123456KL060** via SMS, the device will reply "SET Low-g Threshold OK!" then when fall down alert is triggered, the device will send message to the first authorized phone number and give call to A1-A8.

Note: If A1 misses the calling, the device will call to the next one until someone answers



12.Get the single positioning

Send command **123456F** via SMS. The device will search the GPS signal to get the latest location. If it fails, the device will reply invalid information.



13.Connect to our tracking platform

(1) Set APN, IP and port
Send command **123456CAPN,IP:Port** via SMS. (APN can be acquired from the SIM card operator and IP port is 112.124.14.58:9289)
Example: **123456CCMNET, 112.124.14.58:9289** (CMNET is APN.)

(2) Send command **123456D** to turn on GPS.
Note: Please confirm the SIM Card GPS data is activated.

(3) Send command **123456B** to get the IMEI number, then share the IMEI number with us. We will offer you an account for logging the platform PC/Phone platform website: **www.glotracking.com/m**
Ps. You can scan the QR code on the bottom left of the webpage to download APP for IOS and Android.

3.Charging

Contact the charging interface by the magnetic USB cable.



4.Inserting a nano SIM card

Open the device by screwdriver, put SIM card into the card port in proper direction. And then please tighten the device to make sure the waterproof function.

Note: To avoid damaging the battery, please make sure the SIM card slot is closed before screwing back the device.

5.Switching the device on and off

Long press the power button for more than 3 seconds until the tracker vibrates, the tracker is switched on/off.

Note: It's better for device to get the signal outdoor or near the window.

6.Set the authorized phone numbers

You can set 8 authorized phone numbers at most.

Send command **123456A1, authorized phone number** via SMS, the device replies: 1 TEL OK! authorized phone number.

Example: **123456A1, 18588955622**, shown as the following picture:



Note: A1 means the first authorized phone number, A2 means the second one and A3 means the third one until A8. There is no space in the text and all the letters of commands must be capital.

14.More functions of the Device

Command list is attached below for your further information, if you have any question pls do not hesitate to contact us.

Command list

Function	Command	Example
Set authorized phone number	123456A1,phone number	123456A1,18588955622
Delete the authorized phone number	123456A10	A: (1-8) 123456A1,0
Set call to two-way call mode	123456A1	The default setting is 123456U0 when you make a phone call to the device, it will be two-way call mode.
Set listen-in mode	123456U1	When you make a phone call to the device, it will be listen-in mode.
SOS mute call	123456U2	It will be listen-in mode when making a SOS call.
SOS audio call	123456U3	It will be 2-Way audio call when making a SOS call.
Set whether the call needs to be verified via authorization number	123456U2,x	123456U2,1 123456U2,0
Set two-way call mode, the call can take the initiative to answer or hang up	123456U3,x	123456U3,1 123456U3,0
Set turn on/vicemal recognition	123456Q1,x	123456Q1,1 123456Q1,0
Set turn off vicemal recognition	123456Q1,0	The default is turn off.
Set fall down alarm	123456Q1,x	123456Q1,1 123456Q1,0
Set Low Battery Alarm	123456Q1,x	123456Q1,1 123456Q1,0
Set Fully-charged Alarm	123456Q1,x	123456Q1,1 123456Q1,0
Single positioning	123456F	123456F
Set SOS (panic) alarm	123456Q1,x	123456Q1,1 123456Q1,0
Set DSD screen auto-lighting time	123456Q1,x	123456Q1,1 123456Q1,0
Set LCD (PWR) time	123456Q1,x	123456Q1,1 123456Q1,0
Set continuous tracking time	123456Q1,x	123456Q1,1 123456Q1,0
Ask for the version of HW, Hardware and Software	123456B	123456B
Set APN, IP and port	123456CAPN,IP:Port	123456CAPN,IP:Port
Turn on GPS	123456D	123456D
Turn off GPS	123456E	123456E
Set GPS user name and password	123456CNAME,passwd	123456CNAME,passwd

7.SOS emergency call

Long press SOS button until the device vibrates. SOS alert will be triggered. It will send SOS message to the authorized phone number A1-A3 and make a 2-way call to the authorized phone numbers A1-A3.

Note: If A1 misses the calling, the device will call to the next authorized phone number until someone answers.

8.Make a phone call by the device

Long press the button CALL1 (dial A4) or button CALL2 (dial A5) for 2 seconds, then the device can be released until it vibrates and the GSM or GPS indicators flash quickly, you can hang up the phone call by pressing SOS button.



Note: To adjust the call volume, you can press button CALL1 to turn it up and press button CALL2 to turn it down.

9.Answer the phone call

The default setting is to answer the phone automatically after the device rings 4 times. If you want to change it, send command **123456Q3,1** via SMS, then you can pick up the call by pressing the function button and hang up the phone by pressing the SOS button.

10. Listen-in function

Send command **123456U1** via SMS, the device answers automatically and goes to the listening in mode when you make a call to the device.

Note: The default setting is two-way audio (**123456U0**). Command of U1 and U0 cannot be used at the same time, you can send command **123456U1/123456U0** to switch it.

Function	Command	Example
Set GPS domain name, port	123456B	123456Bhttp://tracking.wip.net:8080
Delete the GPS domain name, port	123456B	123456B
OTA Update	123456U1	123456U1
Reset the device	RESET	RESET
Turn off the device	123456K	123456K

Ps: For more command details pls be free to consult us!

15.Reset the device

Send command **RESET** via SMS, the device will reset to the factory settings.

Note: The device will restart after sending command **RESET** without further response.

Cautions

- Don't put the unit in overheated or overcooled places.
- Handle carefully. Don't vibrate or shake it violently.
- Don't paint the unit, this may cause some foreign materials left in between the parts.
- Please don't disassemble or refit the unit. The system should be installed by technical personnel.
- Please use the battery and charger provided by manufacturer. Using other batteries and chargers will cause unwanted situation.
- This product should be used in the normal condition of GPS signal and GSM signal. If not, it will result in the inability to locate (GPS) or locate data that cannot be transmitted (GSM).
- The product has position tracking and listen-in functions, the user must use it within the legal limit. If the user illegally use it (such as invasion of privacy) that lead to damage of others' rights and interests, the consequences are the user's responsibility.
- This product is obtained by satellite to get the position information. Position data drift is normal, because it is limited by satellite positioning transmission characteristics.

Warranty

One Year.