GSM/GPRS/GPS
TK303 Long Time Standby Tracker
User Manual

Preface

Thank you for purchasing the 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 no responsibility for any errors or omissions in this document.

1. Introduction

The tracker working based on the GSM/GPRS/LBS/AGPS network and GPS satellite positioning system, which set multiple functions of security, positioning, monitoring surveillance, and tracking in its entirety. It can track and monitor remote target by SMS or internet. **Advantage:Long time standby,and no need installation, just adsorb under the car bottom,itself has magnetic force.**

2. Specifications

Content	12000MAH
DIM	120mm x 60mm x 30mm
Weight	250g
Band	850/900/1800/1900Mhz
Network	GSM/GPRS
GPS Chip	UBLOX7
GSM/GPRS Module	MTK6261D
GPS Sensitivity	-159dBm
GPS Start time	Cold start 45-120S Warm start 35S Hot start 1S
Voltages of car power system	Input1 2-24V Output 5V
Charger Voltage	Input 110V-220V Output 5V
Battery	Device will send low power alarm when voltage below 3.45V
Storage Temp	-40°C to +85°C
Operation Temp	-20°C to +65°C
Humidity	5%--95% non-condensing

3. Operating Instructions

For the first time activating the device, once Sim card is inserted, device will be on automatically.

3.1 SIM Card Pre-installation, specification note

a. GSM Sim Only

b. SIM card should have its GPRS function enabled.

c. SMS request will function only if Caller ID function is enabled.

3.2 SIM Card Installations and Removal

a. Open waterproof rubber

b. Insert SIM card into the SIM slot.

c. Do not install it in a environment which is more than GSM performance

d. Call the device SIM number and it is supposed to get through

e. Ensure the waterproof rubber is closed after SIM installation

3.3 Device light description

Color stable lighting	Represents
yellow	GSM signal normal
blue	GPS signal normal
Red	Power

3.User Settings

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<tr><td colspan="3">2.Single Locating : Two ways</td></tr>
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<tr><td colspan="3">3.Authorized number (All alarm messages will be sent to authorized number only)</td></tr>
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<tr><td colspan="3">4.Set password　　(Password must be 4 digits)</td></tr>
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<tr><td>Command</td><td>777+New password+Old password</td><td>77712340000</td></tr>
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5.Set data to upload interval

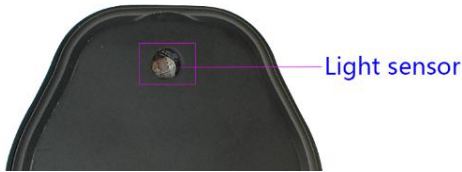| Text command	Parameter	Example
Command	809+Password+Space+5~43200	8090000 60
Command Feedback	SET OK	
Command description	The data upload interval can be set as you need, 5~43200 represents seconds of data uploading interval, default as 10 seconds for real time tracking.43200 seconds mean data will be sent to server every 12 hours.	

6.Timezone Setting

Text command	Parameter	Example
Command	896+Password+Direction+Timezone	In UTC-6 example: 8960000W06 In UTC+5 8960000E05
Command Feedback	SET OK	

7.Overspeed alarm

Text command	Parameter	Example
Command	122+Password+Space+Speed	1220000 80
Command Feedback	SET OK	
Command description	Exampl means When the car moves exceeding 80 km/h, the unit will send Overspeed alarm to authorized phone number.	

8.Low power alarm

Description	Device will send low power alarm when voltage below 3.45V.

9.Shock alarm

Text command	Parameter	Example
Command	181+Password+T+Time	1810000T02
Command Feedback	SET OK	
Command description	When the tracker detect the vibration,it will send "Google map link + Date + Time + IMEI + Shock Alarm" to authorized phone number. "Time" means how long the trackers keep detecting the vibration,then it will Trigger alarm.	
Close shock alarm	181+Password+T+0	1810000T0

10.Voice monitoring

Text command	Parameter	Example
Command	66	66
Command description	If the command set successful, send the massage by your phone, then the device will call back to monitor.	

11.Drop off alarm

Description	Light sensor When this hole is covered, this hole will not be exposed to any light,once it reach light,it will call back to authorized number in 15 secounds.It means the devices has dropped or be removed.

11.Check vehicle setting status		
Text command	Parameter	Example
Command	RCONF	RCONF
Command Feedback	TK303 : (Software version) ID: 8803004367 (Device IMEI number) UP:0000 (Password,Default is 0000) U1: (First authoirzed phone number) U2: (Second authorized phone number) U3: (Third authorized phone number) MODE:GPRS （Working mode,the defalt is GPRS mode） DAILY:OFF GEO FENCE: OFF （GEO Fence setting status） OVER SPEED:OFF （Overspeed setting status） SHAKE ALARM:OFF （Shake alarm setting status） APN:CMNET,,, （APN setting status） IP:220.231.203.248:7700 （IP and port setting status） GPRS UPLOAD TIME 2 :300 （Data interval to server） TIME ZONE:00 （Timezone setting status）	

4.Working Mode setting:

1. GPRS online tracking mode(Default): SMS   **710+Password**   then it will enter vibration sleep mode.The device will be online in Web tracking platform all the time.

2. Long time standby tracking mode: SMS   **700+Password**   ,the device will close both GPRS and GPS functions.It will only activate GPRS&GPS and send data to server when make a phone call.Then it will close GPRS&GPS after 5 minutes. (Once activate the GPS&GPRS,the device will be online,and SMS commmand can send your correct position)

5.Tracking online and Android&IOS APP.

Web based platform   **www.gpstky.net**   further details please contact manufacturer.

APP: **"Tracker King"**   which you can download from Google play store.

1.Setting APN

1.1 APN standards for Access Point Name and differs from country to country.

For more information about the local APN, inquiry from your local GPRS network operator.

Text command	Parameter
Command	803+Passowrd+Space+APN+Space+APN user name+Space+APN passowrd
Example	First example: 8030000 gprsmtnldel mtnl mtnl123 Second example: 8030000 CMNET
Note	For first example: APN is gprsmtnldel,APN user name is mtnl,APN password is mtnl123 For Second example:CMNET is the APN content of China Mobile (it has no APN user name and password).

2.IP and Port setting

Text command	Parameter
Command	804+passoword+SPACE+IP+SPACE+PORT
Example	8040000 220.231.203.248 7700
Note	For example: IP is 220.231.203.248,port is 7700

4.Cautions

Please comply with the instructions to extend the unit life:

1. Keep the unit dry. Any liquid, i.e. rain, moisture, may destroy or damage the inside circuitry.

2. Don't use & store the unit in dusty places.

3. Don't put the unit in overheated or overcooled places.

4. Handle carefully. Don't vibrate or shake it violently.

5. Clear the unit with a piece of dry cloth. Don't clean in chemicals, detergent.

6. Don't paint the unit, this may cause some foreign materials left in between the parts.

7. Don't disassemble or refit the unit.

8. Please read the user manual carefully before installation and operation, learn something more about the voltage range. Otherwise, it won't work properly or destroy the product.