**4G Asset GPS Tracker**

**(G300L)**

**User Manual**



**2020.12.8**

**(V1.1)**

**Attention:**

●Please use 4G simcard, make sure GPRS open

●Please put device outdoor or in open area for better GPS signal. Device also support LBS when indoors(accuracy 100-1000 Meter）.

|  |  |
| --- | --- |
|  | **Parameter** |
| Housing | Size | 74\*36.5\*\*30mm |
| Material | ABS |
| Waterprof | IP65 |
| GSM | G300LN | BG95(US/Canada/Mexico) | LTE-FDD：B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B27/B28/B66/B85 |
| G300LC | EC200S-CN(China/India) | LTE-FDD:B1/B3/B5/B8LTE-TDD:B34/B38/B39/B40/B41GSM :900/1800Mhz |
| GPS | GPS Frequency | GPS L1 1575.42 Mhz BeiDou 1561.098Mhz |
| GPS Accuracy | ≤5 Meter |
| Positioning way | GPS/BDS |
| GSM Module | Quectel BG95(CatM1) |
| MCU | STM32F103RCT6 |
| GPS Chipset | AT6558R |
| Speed Accuracy | <0.1M/S |
| Positioning time | Cold start≤32S Warm start ≤3S |
| Power | Battery | 2000mAh  |
| Standby time | 30 Day |
| Working Currency | 80mA |
| Standby Currency | 10uA  |
| Working temperature | -40°C to +85°C |
| Storage temperature | -20°C to +65°C |

|  |  |
| --- | --- |
| **Indicator** | **Light Status** |
| Power ON/OFF | Insert SIM card power on, remove SIM power off |
| Red light | Power | Flashing: when charging; Constant on: charge full |
| Green light | GPRS network | Flashing: trying to connect server; Constant on: connect server OK |
| Blue light | GPS signal | Flashing: trying to get GPS signal; Constant on: GPS located OK |
| Light will turn off after power on 3 minutes, make a call or send any SMS to wakeup light 10s shortly. |

## How to use device?

**Step 1:** To power on the device, Insert 4G GSM SIM card (Nano Size) with GPRS data activated. Make sure remove PIN code if SIM card need.

**Step 2:** Edit SMS Command send to device SIM number as below one by one

Set IP Port: adminip123456(space)[www.gps228.com](http://www.gps228.com)(space)8989

Set APN: apn123456(space)APN (space)ApnName(space)ApnPassword

**Step 3:** Go outdoor and keep device vibrating for 5 minutes for get accurate positioning, especially when 1st time using.

**Step 4:** Login Platform/APP:

Web: www.secumore1818.com

Android & IOS APP: **secumore1**

Default to use IMEI number login, password 123456.

**QR Code for APP download**

** **

IOS Android

## Command List

|  |  |  |
| --- | --- | --- |
| **SMS Function** | **SMS Command format** | **SMS example** |
| * Please don’t type “+” “space”, password 123456.
* Preset Center Number first if need receive SMS alarm.
* Each SMS must reply “Set OK” represent command successfully.
 |
| **Step 1 Set IP Port** | **adminip+password+space+IP Address+space+port number** | adminip123456 www.gps228.com 8989 |
| **Step 2 Set APN** | **apn123456+space+LocalApn+space+ApnName+space+ApnPassword** | apn123456 tim.br tim tim |
| Get Google link | **smslink123456** |  |
| Set fall-off alarm | **remove123456+space+1** | remove123456 1 |
| Cancel fall-off alarm | **remove123456+space+0** | remove123456 0 |
| Set Time Interval | **ITV123456+space+time interval(s)** | If 60s , send SMS: ITV123456 60 |
| Set center number | **centernum123456+space+phone number** | centernum123456 13712345678no need put country code |
| Cancel center number | **centernum123456** | Center number use to receive alarm message |
| Set low battery alarm | **lowbat123456+space+1** | lowbat123456 1  |
| Cancel low battery | **lowbat123456+space+0** | lowbat123456 0 |
| Set SMS time zone | **timezone123456+space+(timezone\*60)** | If+5.5:timezone123456 330 |
| Check device status | **check123456** | check GPS GSM status |
| Check current mode | **\*SPJLX\*P:123456\*RM:0#** |  |
| Restart device | **reset123456** |  |
| Set alarm mode | **KC123456+space+1** | APP alarm (default) |
| **KC123456+space+2** | APP+SMS alarm |
| **KC123456+space+3** | APP+SMS+PhoneCall alarm |
| Set vibrate alarm | **vibrate123456+space+1** | Must keep continuously static 3 minutes before vibration |
| Cancel vibrate alarm | **vibrate123456+space+0** |
| Set factory mode | **begin123456** | It will erase all setting |

Tips: Fall-off alarm: device sticking to the metal cover with magnet, fall-off alarm will be triggered once device was removed off.

## Working modes:

 A.**) Mode 0:** Real time tracking mode

* Command: \*SPJLX\*P:123456\*RM:1,0#
* 0: means working mode 0.

**B.) Mode 1 (default)** : Power saving mode

Command: \*SPJLX\*P:123456\*RM:1,1,3,3,120,30,3,30#

* 1: means working mode 1.---- User can modify yellow value as per actual needs.
* When device moving, it will update new location at every 1 minute;
* If not moving, device will sleep to save power & wake up for 3 minutes(above yellow 3) at every 120 minutes(above yellow120). Device will show disconnect from server when in this case.

**C.) Mode 2:** Set clock mode

* Command:\*SPJLX\*P:123456\*RM:1,2, 3,1:00,2:00...#
* 2: means working mode 2. ----User can modify yellow value as per actual needs.
* Device will wake up for 3 minutes (above yellow 3) at fixed time clock 1:00,2:00 etc…

In Mode 2, Device will disconnect from server when sleep.

Tips: In all working modes, device standby time is directly affected by “working time”, if works longer, battery standby time will be shorter.