



Asset GPS Tracker

User Manual



GF60L



Description

Asset tracker is a rechargeable GPS tracker with strong magnets and long standby battery. Only need insert Sim card, it will upload GPS location based on movement or preset frequency automatically. With a mini microphone built-in, device also support one way calling remotely.

Production Application

- ◆ Personnel safety tracking
- ◆ Fleet management and vehicle tracking
- ◆ Car service shop/Car rental
- ◆ Vehicle insurance
- ◆ Motorcycle and electric bike tracking
- ◆ Asset/container tracking management

Production Features

- ◆ Wireless design easy to hidden anywhere.
- ◆ Positioning and Tracking: Through the on-line Positioning Platform or the APP.
- ◆ Standby mode last 1~90 days depends on model and activity time every day
- ◆ Geo-fence/Low battery alarm/Vibration alarm
- ◆ Voice listen: you can dial the device phone number to hear the voice.
- ◆ Different working mode: Real time tracking/power saving/Deeply sleep mode.
- ◆ Magnet design easy to hidden in car

Specs.

Model GF60 120*83*29cm	10000mAh 4G, Anti-Removal alarm
GSM Specification	
2G GSM frequency	850/900/1800/1900MHz(2G version)
4G LTE bands	LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28/B66
GPRS	Class 12, TCP/IP
Memory	32 + 32 Mb
Phase error	RMSPE<5, PPE<20
Max output	GSM850/GSM900:33±3dBm ,GSM1800/GSM1900:30±3dBm
Max frequency error	±0.1ppm
Receive sensitivity	Class II RBER2%(-102dBm)
GPS Specification	
Chipset	4G SIMCom LTE Cat 1 A7670SA+AT6558R(GPS)
Frequency	GPS L1, 1575.42 MHz C/A code
Channel	66
Location accuracy	<10 meters
Tracking sensitivity	-165dBm
Acquisition sensitivity	-148dBm
TTFF (open sky)	Avg. hot start ≤1sec
	Avg. cold start≤32sec
Others	
Antenna	Built-in quad band GSM antenna, GPS ceramic antenna
Charging voltage	5VDC
Working current	10uA~65mA
Battery	Rechargeable 10000mah Lithium battery
Standby	1~90 days depends on activities
Operating temperature	-20°C~+70°C

Button&Indicator	Light Status
Power ON/OFF	Insert SIM or take out SIM
Red light-Power	Flashing when charging; Constant on after charge full
Green light-GSM	Light flashing represent no GSM/GPS signal;
Blue light-GPS	Light constant on after receive GSM/GPS signal

SMS Command List

SMS Function	SMS Command format	SMS example
★ Please don't type "+" "space", password 123456		
★ Preset Center Number first before testing SMS or Phone Call alarm mode.		

★ Each SMS must reply "OK" represent command successfully.		
Set IP Port	adminip+password+space+IP Address+space+port number	adminip123456 www.gps2828.com 7018
Set APN	apn123456+space+LocalApn+space+ApnName+space+ApnPass word	apn123456 internet
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 13712345678 no need put country code
Cancel center number	centernum123456	
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
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 Voice listen	Monitor13456	
Cancel voice listen	Tracker123456	default
Set factory mode	begin123456	It will erase all setting

Intelligent Working Modes

❖ Mode 0: (Real-time mode)

Send SMS: "**MD123456+space+0**".

* **Note:** GPS always ON and connected with server, consume battery very fast!

❖ Mode 1: (Default Power saving mode)

Send SMS:

"**MD123456+space+1+space+work time+space+1+space+sleep time+space+30+ space+3+**

space+120".

For example: "MD123456 1 3 1 120 30 3 120"

2nd "3" means: work time, unit: minute

4th "120" means power off sleep time, unit: minute;

Only yellow part value could be set, other value keep same as command example.

❖ Mode 2: (Clock mode)

Send SMS: "MD123456+space+2+space+work time+space+wakeup time+space+wakeup time"

For example, send SMS command "MD123456 2 3 3:00 14:00"

Device will keep always power off sleep mode, only when 3:00 and 14:00 every day, device will wake up and work 3 minutes, and power off again enter sleep.

❖ Mode 3: (Interval mode)

Send SMS: "MD123456+space+3+space+work time+space+sleep time"

For example, send SMS command "MD123456 3 3 120"

It will power off 120 minutes when it is static status, after 120 minutes, device will wake up and work 3 minutes.

* **Note:** during power off sleep time, device will disconnect from server and won't reply any message if sending command.

Real time Tracking Software

Web: www.gps16888.com

Android & IOS APP : **SecumorePlus**

Default to use IMEI number login, password as 123456.



Attention

- Device support Nano-sized 2G GSM Simcard, make sure simcard GPRS data activated and the PIN code removed.
- For first time using, plz charge the device full and put device outdoor in open area to get GPS signal. Device may use LBS if put indoor.
- Battery life is directly related with working mode and movement period. Longer

period movement or quick uploading frequency will draw battery fast.

- GPS defaults update location at every 1 hour (not real time). please set up the working mode as per actual needs.

FCC Warning Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.