



# Asset GPS Tracker

## User Manual



GF40(2G)



GF60(2G/4G)



GF70 with Solar Panel(2G/4G)

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## 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 magnetic design, 0 installation.
- ◆ Waterproof design (for GF60, GF70 serials).
- ◆ Live positioning and tracking through web platform/APP.
- ◆ Multi-working modes.
- ◆ Anti-tamper alarm.
- ◆ Geo-fence/Low battery alarm/Vibration alarm.
- ◆ Remote voice listen-in (optional).
- ◆ Rechargeable Battery.
- ◆ 12V vehicle charging cable. (optional)

## Specs.

Model GF40 69*43*20cm	3000mAh 2G
Model GF60 120*83*29cm	10000mAh 2G or 4G, Anti-Removal alarm
Model GF70 152*83*35cm	10000mAh 2G or 4G, Anti-Removal alarm, <b>Solar Panel</b>
<b>GSM Specification</b>	
<b>2G</b> GSM frequency	850/900/1800/1900MHz(2G version)
<b>4G</b> LTE bands	<b>Latin-US version:</b> LTE-FDD B1/B2/B3/B4/B5/B7/B8/B28/B66 LTE-TDD B34/B38/B39/B40/B41 <b>Asia version:</b> LTE-FDD: B1/B3/B5/B8/ LTE-TDD: B34/B38/B39/B40/B41
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)
<b>GPS Specification</b>	
Chipset	<b>2G version</b> MTK6261(GSM)+AT6558R(GPS) <b>4G version</b> SIMCom LTE Cat 1 A7670 Series+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
<b>Others</b>	
Antenna	Built-in quad band GSM antenna, GPS ceramic antenna
Charging voltage	5VDC
Working current	100uA~100mA
Battery	rechargeable 3000mAh/10000mAh/12000mah Lithium battery
Standby	1~90 days depends on activities
Operating temperature	-20℃~+70℃

Light	Signal	Normal	Abnormal
Green	GSM	Constant on	Flashing
Blue	GPS	Constant on	Flashing
Red	Power	Constant on: charging	Turn off: charged full

After power on 3 minutes, light will turn off and enter light sleep.

## 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.		
Mode 0: Real-time	MD123456+space+0	GPS always ON consume battery fast!
Mode 1: Power saving mode(Default)	MD123456+space+1+space+work time+space+8+space+online or offline mode	MD123456 1 3 8 1 2nd "3": work time, unit: minute 4th "1" : device will disconnect from server and show offline status; if put 0 device won't disconnect from server and show online status.
Mode 2: Clock mode	MD123456+space+2+space+work time+space+wakeup time+space+wakeup time	MD123456 2 3 8:00 14:00
Mode 3: interval mode	MD123456+space+3+space+work time+space+ sleep time	MD123456 3 3 120
Check working mode	MD123456	
Set IP Port	adminip+password+space+IP Address+space+port number	adminip123456 www.gps2828.com 7018
Set APN	apn123456+space+LocalApn+space+ApnName+space+ApnPassword	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

## Real time Tracking Software

Web: [www.gps16888.com](http://www.gps16888.com)

Android & IOS APP : **SecumorePlus**

Default to use IMEI number login, password as 123456.

