

Asset GPS Tracker

User Manual



The GF200LS is a long time standby asset tracker designed for the management of vehicles. Using the CR123 battery allows for more availability and better portability. Based on per day update one position device can last 3 years. The IP65 waterproof rate and removal alert will make the device a perfect solution for non-real-time tracking of heavy-duty vehicles, goods and other assets.

Production Application

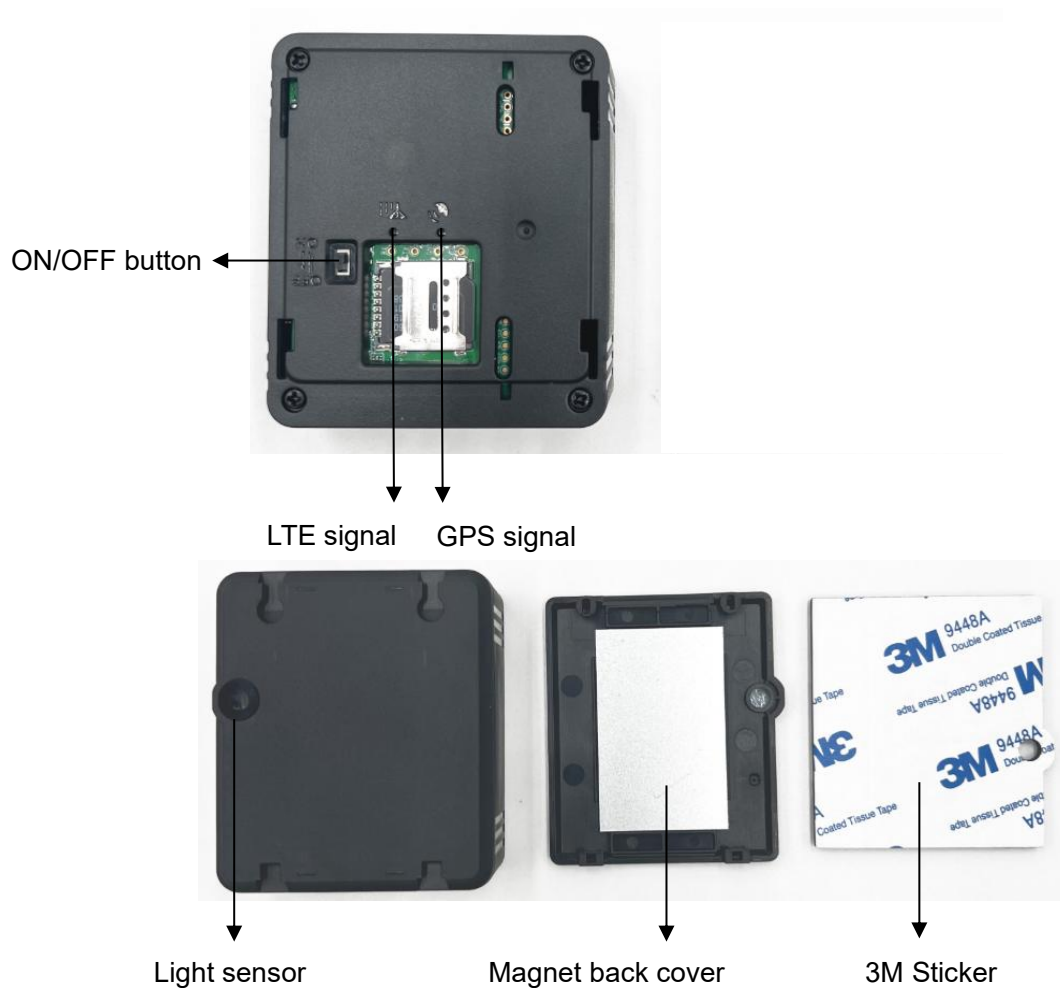
- ◆ Fleet management and vehicle tracking
- ◆ Car service shop/Car rental

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- ◆ Vehicle insurance
 - ◆ Asset/container tracking management
 - ◆ Heavy-duty vehicles
 - ◆ Motorcycle anti-theft tracking

Production Features

- ◆ Wireless & removable magnetic back cover
- ◆ Waterproof IP65 shell
- ◆ Live tracking through web platform/APP.
- ◆ Multi-working modes.
- ◆ Temper alarm via light sensor
- ◆ 3 years standby

Production Photo



Light definition

Light	Signal	Abnormal	Normal
Green	LTE	Constant on	On for 3 seconds, Off for 3 seconds
Blue	GPS	Constant on	Flashing at every 1s
Device will power off once get GPS signal located within 2 minutes.			

Specs.

Device Size	63*47*30MM
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Materials	ABS fireproof material, N54 level strong magnet
Weight	0.15kg
GSM Specification	
4G LTE bands	LTE-FDD B1/B2/B3/B4/B5/B7/B8/B28/B66 LTE-TDD B34/B38/B39/B40/B41
2G GSM frequency	850/900/1800/1900MHz
GPRS	Class 12, TCP/IP
Memory	32 + 32 Mb
Phase error	RMSPE<5,PPE<20
Receive sensitivity	Class II RBER2%(-102dBm)
GPS Specification	
Chipset	SIMCom LTE Cat 1 A7670SA+AT6558R(GPS)
Frequency	GPS L1, 1575.42 MHz C/A code
Channel	66
Location accuracy	<5 meters
Tracking sensitivity	-165dBm
Acquisition sensitivity	-148dBm
TTFF (open sky)	Avg. hot start ≤3sec
	Avg. cold start≤45sec
Others	
Antenna	Built-in LTE antenna, GPS ceramic antenna
Working current	40-80mA/h(3V input)
Standby current	60-100uA/h
Battery	3000mAh /3V 2 CR123 batteries (Power on 1200~1500 times)
Standby time	1 day 1 location 3 years Real time mode can last 24 hours
Operating temperature	-20℃~+60℃

SMS Command List

SMS Function	SMS Command format	SMS example
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★ Please don't type "+" "space", password 123456 ★ Each SMS must reply "OK" represent command successfully.		
Mode 0: Real-time tracking	MD123456+space+0	MD123456 0 Consume battery fast! Don't send randomly
Mode 1: Interval mode	MD123456+space+1+space+X (X value: minutes,range 60~1440)	MD123456 1 60 Device will wakeup at every 60minutes
Mode 2: Default Clock mode Set time zone firstly	MD123456+space+2+aabb	MD123456 2 1200 Device will wakeup only 1 time at 12:00 everyday, default 12:00 wakeup; Support 4 clocks max.
Set time zone for clock mode	Timezone123456+space+LocalTimeValue(timezone*60)	Set +3, send SMS: timezone123456 180 Set -5, send SMS: timezone123456 -300
Set IP Port	adminip+password+space+IP Address+space+port number+space+0	adminip123456 www.gps2828.com 7018 0
Set APN	apn123456+space+LocalApn+space+ApnName+space+Apn Password	apn123456 internet
Set Time Interval	ITV123456+space+time interval(s)	If 60s , send SMS: ITV123456 60
Restart device	reset123456	Device will restart
Check device status	check123456	check GPS GSM status
Set factory mode	begin123456	Device will restart and erase settings
Anti-Temper alarm	Device will send one alarm to server via light sensor	

Real time Tracking Software

Web: www.gps16888.com

Android & IOS APP : **SecumorePlus**

Default to use IMEI number login, password as 123456.