

GPS Vehicle Tracker

User Guide



This book is designed to explain the base functions and features of the GPS vehicle tracker.

1 QUICK LOOK

1.1 What is in the box



GPS Tracker



Manual



Cable

1.2 Key features

- Real-time GPS tracking
- Track through SMS, Web, App
- Overspeed alarm
- Vibration alarm
- GPS, LBS dual modes positioning tech
- Build in 5000mAh battery
- Strong magnet design

1.3 Specifications

Frequency	LTE-FDD(B1/B3/B5/B8);
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	LTE-TDD(B34/B38/B39/B40/B41);
GPS Accuracy	<10m
LBS Accuracy	50m~1km
Location Time	<38s (Cold start, open sky)
Battery	3.7V/5000mAh
Working Temperature	-20°C ~ +65°C
Dimension	59.6(L)*23.5(W)*100(H)mm

1.4 LED indicators

GPS Indicator -- Blue	
Quick flashing (bright 0.1s, dark 0.5s)	Searching GPS signal
Slow flashing (bright0.5s, dark 5s)	GPS is fixed
Off	GPS sleep

GSM Indicator -- Green

Quick flashing (bright0.1s, dark 0.5s)	Connecting to server
Flashing (bright0.1s, dark 5s)	Connected with server
Slow flashing (bright0.1s, dark 30s)	Device sleeping
Off	No GSM signal or connection failed

Power status Indicator -- Red	
Slow flashing (bright 0.5s, dark 3s)	Battery low
Off	Device is working

Charging Indicator	
Always bright-Red	Charging
Always bright-Blue	Charging completed

2 GETTING START

2.1 Insert the SIM card

- A Micro SIM card with 4g network and Caller ID functions is required to provide locating information of the GPS tracker, install it before turn on the device.
- Remove the cover:



- Place the SIM card as the pattern shows:



- Toggle the battery switcher to ON:



- Replace the bottom cover:



Install the device

- Make sure the Light sensor faces to the mounting location so it can be enable the Removed alarm function.
- To avoid of theft or damage, please install the device in a hidden place.
- Avoid placing the device close to high power electrical devices, such as reversing radar,

anti-theft device or other vehicle communication equipment.

- Device has built-in GSM & GPS antenna, please make sure the front side of device faces to sky, with no metal object.

2.2 Set APN

Normally the device will search APN for your SIM operator automatically, but if you find your device cannot be online, please set APN by send SMS to device as:

apn,apnname,user,psw# (if there is no user name & password, leave blank)

e.g: **apn,epc.tmobile.com,,#**

3 APPLICATION

3.1 Web service platform

Please contact with your device supplier for Web service platform details to manage your device online.

3.2 App for mobile

Please contact with your device supplier for App download details to manage your device on your smartphone.

4 MAIN FUNCTIONS

4.1 Working mode

Tracking online mode: G-sensor determine whether the device is moving.If it is moving,it will keep upload the location info as preset time interval. And when it is static the device will keep the GPS system online, but turn off GPS positioning module.

Tracking offline mode (default) : G-sensor determine whether the device is moving.It will keep upload the location info as preset time interval (30s as default) if it is moving. And when it is static,it will off the GPS and GPRS, into the sleep state.

Timed power saving mode : Setting this mode you need

to set the time interval for regular wake-up. The device will upload the location info once as preset time interval (30min as minimum), and then Off the GPS and GPRS, into the Sleep mode.

4.2 Vibration alarm

When the device is in Arming status, a **Vibration alarm** will be triggered when device detects vibration. Notice that there will be only one alert in 10minutes even there are multiple vibrations detected.

4.3 Over speed alarm

When the device is moving faster than preset overspeed detection setting, an **Over speed alarm** will be triggered.

4.4 Removed alarm

When the device is removed from attached, the light sensor will trigger the Removed alarm.

4.5 Battery low alarm

When the power is lower than 5%, there will be a low power alarm.

5 CONFIGURATIONS

Device supports SMS commands for all configurations in case you don't want to operate the device via GPRS network on web service platform.

Operation	SMS	Remark
Check location	Where#	Device reply with Latitude & Longitude
	123#	Device reply with address detail
	url#	Device reply with map link
Set APN	apn,apnname,user,pa	

	ssword#	
Center numbers	center,13636361136#	e.g: center,13636361136 #
Working mode	mode,0,30,0#	0 is online tracking mode , 1 is saving tracking mode, 2 is the battery saving mode ; 30 is tracking mode time interval(unit: seconds); 0 is battery saving mode interval time,tracking mode not need set
Set time zone	timezone,-2#	+: East - : West