

MC350 4G Asset GPS Tracker

User Manual V1.0



Preface

Thank you for choosing the tracker. This manual shows how to operate the device smoothly and correctly. Make sure to read this manual carefully before using this product. Please note that specification and information are subject to changes without prior notice in this manual. Any change will be integrated in the latest release. The manufacturer assumes no responsibility for any errors or omissions in this document.

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1. Overview

The MC350 combined with the 4G LTE and GPS technique and use the fireproofing material that arrived Industry standard which is 6PCS 18*3mm super magnet and IPX5, the internal battery is 7500mAh that can standby 15 days. The MC350 can track the vehicle and person's position by SMS and GPRS on line tracking software.

2. Features

- **4G LTE (fallback to 2G)**
- Strong Magnet for easy installation
- Real time traffic
- Custom Geo-fences
- Custom Reporting
- Remove alarm
- Shake alarm
- Over-speed alarm
- Low battery alarm
- Long standby for 15 days
- 6 months of historical data

3. Specification

Items	Specifications
Dimensions	108*75*20mm
Weight	300g
Battery	7500mAh/3.7V
4G Frequency	<p>MC350-C</p> <p>4G LTE: B1/B3/B5/B8</p> <p>2G: 900/1800MHz</p> <p>MC350-E</p> <p>4G LTE: B1/B3/B5/B7/B8/B20</p> <p>2G: 900/1800MHz</p> <p>MC350-A</p> <p>4G LTE: B1/B2/B3/B4/B5/B7/B8/B28/B66</p> <p>2G :850/900/1800/1900MMz</p>
Operation Temperature	-20°C to 55°C
Work Humidity	5% to 95% Non-condensing

Items	Specifications
GPS Chipset	AT6558D
GPS Sensitivity	--162dBm
Channel	56
Position Precision	10m
Hot Start	1s
Warm Star	30s
Cold Start	32s
LED indicator	GSM/Charge/GPS
SIM Card interface	Micro Size SIM card
Waterproof	IP65

4. MC350 and Accessories

- 1* MC350 GPS Tracker
- 1* USB Cable for charging
- 1* User Manual

5. How to Install the SIM Card

Install the SIM Card

- Get ready a Micro SIM Card .
- Open the waterproof cover, insert the SIM Card correct as follow



6. LED Status

6.1.1 Orange LED-4G indication

Status	Description
Light On	Network work

Flash	No network or SIM card not detected
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6.1.2 Blue LED-GPS indication

Status	Description
Flash	GPS No Work or No GPS Signal
Light On	GPS Work

6.1.3 Red LED-Charge indication

Status	Description
Flash	Charging/working
Light Off	Normally Work or full Power

7. Setup and Configuration

7.1 Set the Center phone number

Command: admin+password+phone number

Example: admin123456 13424392330

Reply: admin ok

Note:

- The devices only support one center phone number
- The defaulted password is:123456

7.2 Change the password

Command: password+old password+new password (6 figures)

Example: password123456 abcdef

Reply: password ok

7.3 Request the single position

Command: G1234

Example: G1234

Reply: when the tracker receive the command, then will send the position with longitude and latitude as follow:

<http://maps.google.cn/maps?q=+22.64803,+114.03426>

ID:7028576915
ACC:OFF
GPS:A
Speed:4.20KM/H
22-10-21 17:04:44

7.4 Monitor

Command: 88

Reply : SET OK

Note: Only the center phone number send command to the tracker, then tracker will call the phone number and be the monitor mode .

7.5 Light Sensor

Enable light sensor alert via SMS: sossms123456

Reply : sossms ok

Disable light sensor alert via SMS: no sossms123456

Reply : no sossms ok

Enable light sensor alert via Call: soscall123456

Reply : soscall ok

Disable light sensor alert: no soscall123456

Reply : no soscall ok

7.6 Removal alert

The device will send remove alarm message to 3 authorized number and send remove alarm data to platform if tracker was removed .

7.7 Shake Alert

Enable Shake alarm via SMS: 125#

Reply : OK

Disable Shake alarm via SMS: 126#

Reply : SET OK

Enable Shake alarm via Call: 122#

Reply : SET OK

Disable Shake alarm via Call: 121#

Reply : SET OK

Set vibration sensitivity: vibtime123456,T

Example : vibtime,10

Reply : vibtime set ok

Note: T is [1-15] seconds.

7.8 Geo-fence

Setup via Mobile App or PC Web Server

7.9 Over speed Alarm

Command:speed+password+space+X

Example: speed123456 100

Reply: Speed ok

Close command: speed123456 0

Note: 1. X is speed benchmark value, which is an integral number. unit is KM/H definition domain of [0, 999].

2. Device will call and send alarm message to three Center phone number.

7.10 Low Battery Alarm

While device detect internal battery is low power, it will send message "Your tracker is low power, please recharge it" to Center Number .

7.11 Working Mode

7.10.1 Normal mode : nmod,password

Example : nmod,123456

Reply: OK

Note: In this mode the device and real time tracking and GPS and TCP keep connected.

Set Normal mode interval time : FREQ,123456,T

Example : FREQ,123456,20

Reply : OK

Note: T is [10,3599] seconds

7.10.2 Auto mode: tmod,password, T

Example : tmod,123456,5

Reply: OK

Note: Device will report as the interval time, after that device will go to sleep(GPS/TCP close).

T is [5,720] minutes.

7.10.3 Power saving mode: smod,password

Example: smod,123456

Note: if detect to vibrate device will wake-up and report to server every 10 seconds, or it

will go to sleep mode. (GPS/TCP sleep)

Set wakeup report interval time : `FREQ,123456,T`

Example : `FREQ,123456,20`

Reply : OK

Note: T is [10,3599] seconds

Set sleep time : `sleep,123456,T`

Example: `sleep,123456, 5`

Note: if the device no movement in T minutes and tracker will go to sleep, T is [1-1440] minutes,

7.12 Set Access Point Name(APN)

APN setting :`apn+password+space+APN`

Example: `apn123456 cmnet`

Reply: APN OK

APN user name:`apn+password+space+user`

Example: `apnuser123456 internet`

Reply: APN OK

APN password:`apnpassword+password+space+password`

Example: `apnpassword123456,internet`

Reply: APN OK

7.13 Set server IP address and Port

Command:`IP+blank+IP+space+Port`

Example: `IP e.trackits.com 7700`

Reply:SET OK

8. Special Command

- Restart Command: CQ
- Reset command: FORMAT

9. Troubleshooting

Issues	Caused	Solutions
Send SMS to the device but no reply	1>Data only SIM card and don't supported SMS service, 2>New SIM card have not active 3>Card balance is not enough	Please check the SIM card status and make sure it can work.

	Command is wrong	Please check the command format again
	Password is wrong	Please check the password again (default is 0000)
	Connect network fail.	Please check RED LED and only send the SMS command when it is blinking.
Can not power on	Backup battery is low voltage	Please connect to car's OBD Port and make engine ON
GPS platform shows logged off		1.Check the APN setting ; 2. Check IP and port
Device Can not online on the server	Device ID is wrong	Please check the ID
	Device have not active on server	Please contact your sales to active your device's ID
	The IP and port setup wrong	Check the IP and port again
	APN setup error	Check the APN setting again

Any questions please do not hesitate to contact us:

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