

1-Start Guide

1.1 Packaging

- GPS tracker
- Power supply
- Audio cable
- MIC
- User manual

1.2 Main Functions

- Real-time GPS+GPS tracking
- Track by time interval or distance
- Remotely turn power on/off
- Real-time
- TTL
- Instant alerts for vibration, overspeed, etc.
- External power supply cut-off alarm
- Two-way talk
- Door status detection
- Multiple analog & digital I/Os
- Battery charging protection

1.3 Specifications

Frequency	900MHz/1800MHz/1900MHz
GPS accuracy	CEP: 12.5m, ECEP: 150m/20m
Operating Voltage	9-30VDC $\pm 50mA$
Power consumption	100mA/100mA/100mA
Location Time	140 S.M.T. $\pm 2s$
Storage	32MB/32MB
Temperature	-20°C ~ +70°C
Operating temperature	-20°C ~ +70°C
Location Accuracy	± 10 meters
Dimensions	41.5x31.5x11.5(W) x31.4x11.5(H) mm
Weight	55g

2-My Device

2.1 Appearance

2.2 LED Indicators

GPS LED	0: LED ON & 1: LED OFF	Searching GPS signal
Power LED	0: Stop on / 1: Stop or not work	GPS is fixed
Power LED	0: LED ON & 1: LED OFF	Stop or not work

3-Wire Connection

3.1 Wire Definition

Unit	Color	Definition	3-Wire	5-Wire	Definition
1	Red	VCC	MC+ / SPK	3	Same
2	Blue	ACC	MC- / SPK	4	Ground
3	Black	ACC	MC- / SPK	5	Ground
4	Black	ACC	MC- / SPK	6	Ground
5	Green	ACC	MC- / SPK	7	Ground
6	Green	ACC	MC- / SPK	8	Ground
7	Yellow	ACC	MC- / SPK	9	Ground
8	White	ACC	MC- / SPK	10	Ground
9	Yellow	ACC	MC- / SPK	11	Ground
10	Black	ACC	MC- / SPK	12	Ground
11	Black	ACC	MC- / SPK	13	Ground
12	Purple	ACC	MC- / SPK	14	Ground
13	Purple	ACC	MC- / SPK	15	Ground
14	Black	ACC	MC- / SPK	16	Ground
15	Red	ACC	MC- / SPK	17	Power: 9-30V

3.2 Wiring diagram

3.3 Device Installation

3.4 Operation or Power off

Power on: Once the power is on, the SIM card and antenna will be powered on. The device will start to work. During signal searching process, GSM LED and GPS LED will flash. Once the device is powered on, it starts to work. The device has been powered on and it starts to work.

Power off: Just toggle off the power switch.

Notice: When the device is connected with external power, please turn on the power switch. The status of the device will be displayed on the screen. Non-SOS number cannot activate this function. SOS number must be set to 112. SOS number must be set to 112. SOS number must be set to 112.

3.5 Power cut-off alarm

When the electricity supply of device is cut off, it will activate cut-off alarm.

3.6 Low battery alarm

When the battery level is low, the device will activate low battery alarm. Device will send alert through SMS and to the platform.

3.7 Vibration alarm (default OFF)

When vehicle vibrates for several times, the vibration alarm will be activated. Device will send vibration alarm message immediately. (See command list 7-13)

3.8 Voice monitoring

When the device is powered on, it will start to monitor the voice inside the vehicle. The caller can hear the voice inside the vehicle.

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5- Main Functions

5.1 SOS

In urgent cases, press SOS for 3 seconds to activate SOS alarm. When SOS is activated, the device will start to work. SOS number must be set to 112. SOS number must be set to 112. SOS number must be set to 112.

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5.6 Two-way communication

To activate this function, ensure that both MIC and speaker are working. Use pre-set SOS number to call the device. After 10 seconds, device will enter into two-way talk mode.

5.7 Displacement alarm (default OFF)

When the device is powered on, it will start to monitor the displacement of the vehicle. The device will send displacement alarm message immediately. (See command list 7-15)

5.8 Oil/Electricity cut-off

When vehicle is idling, oil/electricity cut-off command can be sent by platform APP or SMS.

Notice: When the device is powered on, it will start to monitor the oil/electricity level. The device will send alert through SMS and to the platform. Non-SOS number cannot activate this function. SOS number must be set to 112. SOS number must be set to 112. SOS number must be set to 112.

5.9 Restore oil/electricity

When alarm is all-clear, you can send restore oil/electricity command to the device. Device will restore power. (See command list 7-16)

5.10 Restart device

If GPS is abnormal (device is offline), user can send SMS command `RESTART` to restart the device. Device will reboot after 20 seconds after receiving the command. (See command list 7-17)

5.11 Door detection

The device is able to detect door status. It uploads car status to the platform APP or SMS. (See command list 7-18)

Notice: When the device is powered on, it will start to monitor the door status. The device will send alert through SMS and to the platform. Non-SOS number cannot activate this function. SOS number must be set to 112. SOS number must be set to 112. SOS number must be set to 112.

5.13 Lithium battery charging protection

Built-in battery won't be charged when the temperature is over 50°C. As soon as the temperature is lower than 48°C or above -19°C, battery charging will be restored.

5.14 Controllable output

The device supports high/low level output, which could be configured by commands based on needs.

6-Platform Operation

6.1 APN & Server setting

Get registered on the designated service platform by authorized dealer, then you can start the tracking service platform by authorized server setting before login.

In most countries, APN could be automatically adapted to local server setting. (See command list 7-7)

If server and password is required for APN, please add it into the command. (See command list 7-7)

Confirm the server address and setting with distribution. If server is incorrect, please send SMS to change. (See command list 7-8)

6.2 Login service platform

Please login the designated service platform to set and operate the device. (See command list 7-9)

6.3 Download APP

Store on Google Play store.

7-Common Command List

Enter SMS command in the right column to the device SIM number to achieve respective function as below.

1	Device status	STATUS
2	Device coordinate	WHERE
3	Check location	WHERE
4	Check location	WHERE
5	Check location	WHERE
6	Check location	WHERE
7	APN setting	1. APN, password, server, port, user, pass, mode 0 means set with IP address
8	Server setting	1. ACS SOS number, 2. ACS SOS number, 3. ACS SOS number, 4. ACS SOS number, 5. ACS SOS number, 6. ACS SOS number, 7. ACS SOS number, 8. ACS SOS number, 9. ACS SOS number, 10. ACS SOS number, 11. ACS SOS number, 12. ACS SOS number, 13. ACS SOS number, 14. ACS SOS number, 15. ACS SOS number, 16. ACS SOS number, 17. ACS SOS number, 18. ACS SOS number, 19. ACS SOS number, 20. ACS SOS number
9	SOS setting	1. SOS, 2. SOS, 3. SOS, 4. SOS, 5. SOS, 6. SOS, 7. SOS, 8. SOS, 9. SOS, 10. SOS, 11. SOS, 12. SOS, 13. SOS, 14. SOS, 15. SOS, 16. SOS, 17. SOS, 18. SOS, 19. SOS, 20. SOS
10	GPS data upload time interval	112~1800 seconds - ACC ON upload 122~1800 seconds - ACC OFF upload 132~1800 seconds - SOS upload 142~1800 seconds - SOS upload 152~1800 seconds - SOS upload 162~1800 seconds - SOS upload 172~1800 seconds - SOS upload 182~1800 seconds - SOS upload 192~1800 seconds - SOS upload 202~1800 seconds - SOS upload

VEHICLE GPS TRACKER User Manual (VERSION 1.0)

This user manual has been specially designed to guide you through the functions and features of your GPS vehicle tracker.

8-Trouble shooting

If you are having trouble with your device, try these troubleshooting procedures before contacting a service professional.

Problems	Causes	Solutions
Poor signal	The signal waves when use the GPS device that has poor signal at building around of basement.	Using the GPS tracker in the places that have good signal.
Unable to connect to the network	Low battery	Charge the device battery.
Fail to start the car	Poor signal	Use the GPS tracker in the places that have good signal.
No power	Power cable / ACC abnormal	Restore power/Check ACC
Offline/ Indicators off	Abnormal power supply	Check power supply/Press SOS key to activate power
No update location	No GPS positioning	Test the device again/ Change installation place

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