



DRAGON BRIDGE (SZ) TECH CO., LTD

Application :Rental cars, insurance cars, trucks, buses

Wireless Fleet management Solution Invator

GSM/GPRS/GPS Tracker

User Manuel

G-M900 4G



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1. Product functions & Parameters

1.1 | Product functions

ACC detection SOS emergency call Voice call Electronic fence, power failure alarm, vibration alarm, displacement alarm, location query, track playback, power failure

1.2 | Bands

LTE-FDD: B1, B2, B3, B4, B5,
 B7, B8, B12, B20, B28AB, B66
 LTE-TDD: B34, B38, B39, B40, B41
 GSM/2G GSM 850/900/1800/1900MHz

1.2.2 | Wide Voltage Input Range: +9-95VDC

1.2.3 | Positioning Time: Warm Start: Average \leq 2 seconds (Open Sky)

Cold Start: Average \leq 32 seconds (Open Sky)

1.2.4 | Device Dimensions: Subject to the real product

1.2.5 | Location Accuracy: \leq 30 meters

1.2.6 | Working Temp: -20°C to 55°C

PLEASE NOTE: Install and use this product under the voltage input range, if illegal installation, the user should take the responsibility themselves if any damage happened!

2. Product Accessories and LED Indicators Status

2.1 | Product accessories:

Standard: the device/ charging cable / quick installation user manual / double-sided stickers

Optional: micro-phone, SOS button, relay

2.2 | Device LED Indicators

2.2.1 Yellow LED (GSM signal)

Light status	Meaning
Slow flashes	GSM initialization
Quick flashes	Failed reading card
Light on	GPRS normal communication/online
off	GSM sleep/power off

2.2.2 | Blue LED (GPS signal)

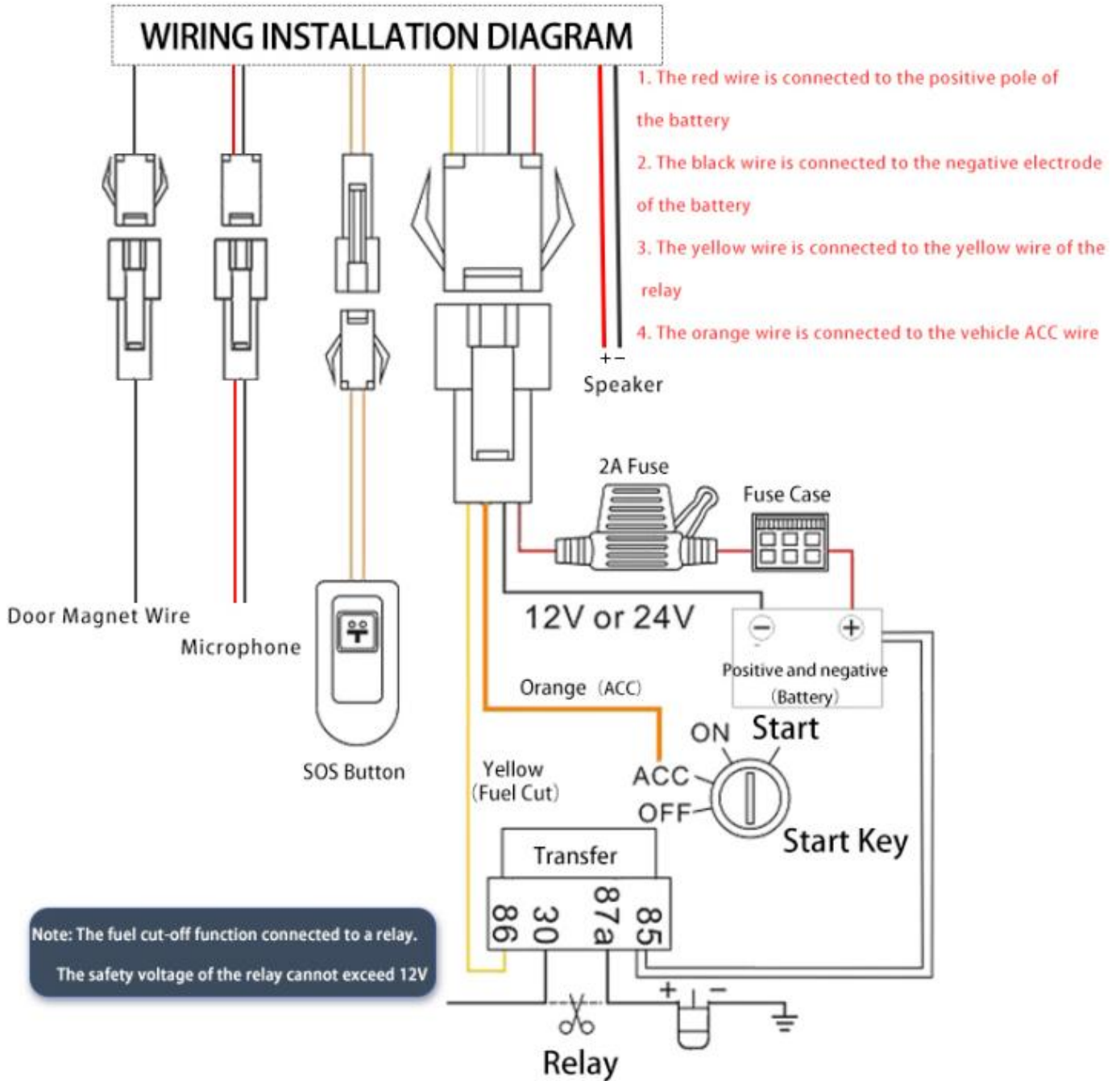
Light status	Meaning
Slow flashes	GPS signal searching
Quick flashes	Failed on GPS Chip
on	GPS location complete
off	GPS sleep/power off

3. Installation Instructions

3.1 | Preparation before installation:

- 1, Open the box and check whether the device and the accessories are complete, otherwise please contact your dealer.
- 2, SIM card selection, the device works with standard SIM card, and support full Netcom band.

4. Wiring Precautions



5. SMS commands and Instructions:

Send SMS command from user's SIM card number to the SIM card number which inside the GPS device.

The commands in the following SMS command list are in English input format, and the letters are case-sensitive according to the instruction requirements.

Common inquiry	SMS command format	Device reply
Device status query	CXZT	Version, ID, IP, etc...
Cut Oil/Fuel	DY	
Resume Oil/Fuel	KY	
APN Settings/Query	NAPN=cmnet,, with account and password Example : NAPN=cmnet,123,666	
Revise Server IP	IP+blank+IP+blank+port Example : IP 106.3.230.234 8185	set IP OK
Dual IP Settings	DUALIP,11.39gps.com,7808,11.00 8gps.com,7700#	
Restart GPS	CQ	
Restore factory settings	FORMAT	
Setting Admin	admin123456 13580000000	
Delete Admin	noadmin	
Set Anti-Theft	SF	
Dismiss Anti-Theft	CF	

5.1 | Please select the harness provided by the original factory. The red line is the positive and the black is the negative pole of the power supply. When installing the negative pole of the power supply, please choose to ground or connect metal separately. Do not connect with other ground wires.

5.2 | ACC line (orange line) connected to the vehicle's ACC switch; if ACC auto anti-theft function is required, make sure to connect the ACC line. The device will enter into the armed state or not according to ACC status. If the ACC line is not connected, the vehicle will enter into the armed state. If so, a vibration alarm will be triggered if vibration when vehicle moving.

5.3 | The oil-off control line (yellow line) connected to the thin yellow line of the circuit breaker.

Proper use of the product: Installation → Switch on → Settings → Register

Installation: When installing, the GPS antenna surface should face the sky. There should be no electromagnetic wave absorber (such as metal or explosion-proof film).

Switch on: Insert the SIM card with right direction, connect the cable according to the wiring diagram, and then switch on the device.

Register platform account: The registration method varies according to the dealer's platform, please consult the dealer.

6. Instructions

Note: The vehicle positioning communication terminal sets parameters through SMS. The owner's mobile phone number sends a text message code to the vehicle positioning communication terminal SIM card number. The separator is a comma. The comma in the following function parameter setting instruction format is the English input status format.

6.1 Owner password setting:

Only one car owner number can be bound, and the last bound car owner number is valid

The default owner password is: 123456

The command to set the owner number is: admin123456 13712345678 Reply: admin ok

Modify the owner's password command: password123456 666888 (666888 is the new password)

Reply: password ok

6.2 Specific number setting

The specific number is the alarm number. You can send a text message to add a specific number to the terminal to add the number. You can add two SOS specific numbers.

101 is the default car owner number,

102 is the first specific number,

and 103 is the second specific number.

In the alarm state, the terminal will send positioning or help information to the set specific number (the information needs to be set according to the setting), and make calls in a loop until it is dialed through. All numbers can be set and queried before setting a specific number. After setting a specific number, commands without a password can only be set through the associated specific number.

6.2.1 Add a specific number:

Instruction format: 102#number#

Example: 102#13712345678#

Reply message: OK

6.2.2 Delete a specific number:

Instruction format:

D101#

D102#

D103#

Example: D101# means to delete the first number.

Reply message: OK

6.2.3 Query a specific number:

Instruction format: C10#

Example: C10#

Reply message: 101#13712345678

102#13712345688

103#13712345698

6.3 Main power failure alarm setting

6.3.1 Turn on power failure SMS alarm: pwr sms 123456,1 (default)

Reply: pwr sms alarm set ok

6.3.2 Turn off power failure SMS alarm: pwr sms 123456,0

Reply: pwr sms alarm set ok

6.3.3 Turn on power failure phone alarm: pwr call 123456,1 (default)

Reply: pwr call alarm set ok

6.3.4 Turn off the power failure phone alarm: pwr call 123456,0

Reply: pwr call alarm set ok

6.4 ACC anti-theft setting (need to connect the ACC line correctly)

6.4.1 When the ACC is on (the car key turns on the start switch), if it is in the automatic arming state, the ACC can be automatically disarmed when it is turned on. If the defense is done through SMS or platform, ACC cannot be automatically disarmed.

6.4.2 When the ACC is off (the car key switch is off), after the set time, it will enter the automatic arming state.

6.4.3 SMS setting ACC automatic defense on ACCLOCK,123456,1 Reply: The setting is successful

6.4.4 SMS setting ACC automatic defense off ACCLOCK, 123456, 0 (default) Reply: The setting is successful

6.4.5 SMS setting automatic arming time ACCLT,123456,3 (3 means automatic arming after 3 minutes)

SMS alarm example

[http://maps.google.com/maps?](http://maps.google.com/maps?q=)

q="+22.640105,+114.207978

Date:2022-03-31 Time:09:19 ID:9176951003

STATUS:main power off Alarm

ACC:OFF FIX:V Speed:0KM/H BAT:5

6.5 Vibration alarm setting

6.5.1 Turn on vibration SMS alarm: 125# (default)

Reply SMS: OK

6.5.2 Turn off vibration SMS alarm: 126#

Reply SMS: OK

6.5.3 Turn on the vibration phone alarm: 122#

Reply SMS: OK

6.5.4 Turn off vibration phone alarm: 121# (default)

Reply SMS: OK

6.5.6 Set the vibration alarm duration SMS command, 1-15 seconds.

Command: vibtime123456,n Reply: vibtime set ok

n(0~15), 0 cancels the vibration alarm, the default is 3 seconds, that is, the vibration lasts for 3 seconds to alarm

SMS alarm example

<http://maps.google.com/maps?>

q=+22.640105,+114.207978

Date:2022-03-31 Time:09:19

ID:9176951003 STATUS:Shake Alarm

ACC:OFF FIX:V Speed:OKM/H BAT:5

ACC automatic arming vibration alarm description: Connect the main power, ACC is off (the car key switch is off), it will automatically enter the arming state after 3 minutes, the anti-theft function is turned on, and a vibration alarm message will be sent when the vehicle vibrates illegally.

If the vibration phone alarm is turned on, the terminal will dial the set car owner number after the alarm, and the car owner can remotely monitor the movement in the car by answering the call.

Without ACC, you can arm and disarm through SMS commands.

ACC illegally starts SMS alarm

accsms123456, 1/0ACC 1 on 0 off

ACC illegally activates call to police

acccall123456, 1/0 1 on 0 off

ACC illegal start alarm:

<http://maps.google.com/maps?>

q=+22.640105,+114.207978

Date:2022-03-31 Time:09:19

ID:9176951003 STATUS:ACC

Illegal OFF Alarm

ACC:OFF FIX:V Speed:OKM/H BAT:5

6.6 SMS message query location information

6.6.1 When you need to query the location information of the terminal device, you can write a location query SMS and send it to the SIM card of the terminal device, and the terminal will reply with the last location information.

SMS command: 123

6.6.2 Dial the device card number with the owner's number to return the location information, ring twice and hang up.

6.6.3 Google link SMS command: g1234

6.7 Overspeed alarm setting

Overspeed SMS alarm Speed limit: speed123456 080 Set the speed limit to 80 km/h

6.7.1 Turn off speed notification: speed123456 000 (default) reply: speed ok

6.7.2 Turn on speed notification: speed123456 080 reply: speed ok

6.8 Displacement alarm setting

Displacement alarm setting command: move123456 300 (default) unit: m Reply: move ok

6.9 SMS arming and disarming settings

SMS defense: SF Reply: SF OK

SMS disarm: CF Reply: CF OK

6.10 SOS alarm setting

6.10.1 Enable SOS SMS alarm: sossms123456 (default)

Reply SMS: sossms OK

6.10.2 Disable SOS SMS alarm: no sossms123456

Reply SMS: no sossms ok

6.10.3 Enable SOS phone alarm: soscall123456 (default)

Reply SMS: soscall ok

6.10.4 Disable SOS phone alarm: no soscall123456

Reply SMS: no soscall ok

6.10.6 Command to monitor SMS remotely: 88

When the owner's number or a specific number sends this command to the terminal's SIM card number, the terminal will call back to realize the monitoring function

Note: To realize this function, you need to set the owner number and SOS specific number first

SMS alarm example

<http://maps.google.com/maps?>

q=+22.640105,+114.207978

Date:2022-03-31 Time:09:19

ID:9176951003 STATUS:SOS

ACC:OFF FIX:V Speed:0KM/H BAT:5

6.11 Cut off fuel and electricity by SMS (optional)

When the vehicle is stolen, the monitoring background can actively issue a command to cut off the oil and electricity, and cut off the oil circuit of the stolen vehicle under the premise of ensuring the safe driving of the vehicle, so that the vehicle cannot be started.

Note: In order to ensure vehicle safety, the terminal only executes the oil and power cut operation when the GPS is in a valid positioning state and the vehicle speed is less than 20KM/H or when the vehicle is stationary.

When the robbery alarm is released, the monitoring background will manually issue a command to restore fuel and electricity, and the terminal will execute the action of restoring fuel and electricity, and the vehicle will continue to drive.

Cut off oil by SMS: DY

Text message fueling: KY

6.13 GPS restart

SMS command: CQGPS

6.14 Restore factory settings:

SMS command: FORMAT

6.15 Device restart

SMS command: CQ

6.16 Query device information

SMS command: CXZT

6.17 APN settings:

Set the APN command format: apn123456 cmnet

Reply: apn ok

Set the user name corresponding to the APN command format: apnuser123456 user

Reply: apnuser ok

Set the password command format corresponding to APN: apnpasswd123456 password

Re: apnpasswd ok

6.18 Set server IP and port:

SMS command: IP+space+IP address+space+port number

Example: IP 219.143.106.193 8500 Reply: set IP OK

6.19 Platform application (the platform of each dealer is different, please consult the dealer for the platform website)

6.20 Track playback

Log in to the platform and click on the historical track playback function

6.21 Report Statistics

Logistics enterprises can use this software to set the departure time of the monitored goods, route point notification, line alarm, area alarm, heavy collision alarm, rollover alarm, driving speed, etc. We will comprehensively analyze the status of the goods in transit and issue a report.

Log in to the platform and click Report Statistics.

6.22 Windows, Android, Ipad, Iphone, Wechat customer service terminal please go to the dealer service platform to download, each client application please consult customer service.

7. App Operation

Login location service platform

Users can login to the global positioning service platform provided by the dealer, to check the location and status of the vehicle, and perform positioning corresponding operations. Please consult your dealer for the service platform website.

Platform login on computer:

For individual users, please login with the device ID number. The ID number is on the device body and also on the package box. When logging in to the platform, please select IEIM/License number to log in. The default password is: 123456

Enterprise users and fleet users please select the username to log in. User name and password are set by dealer, please contact your dealer for distribution!

Android APP download, please scan the QR code on the computer, and if Apple mobile phone, please search the APP name in the App store.

8. Possible Issues

If the device can't be connected to the background server after first time installation, and the background server shows it is offline, please check the installation correct or not.

If you have any questions for the operation, please refer to the following questions and solutions; if you still can't solve the problem, please contact your dealer.

Common Problems	Reasons	Solutions
Weak signal	Test at areas where there are high buildings or underground parking lots, where radio waves cannot be sent or received normally.	Use it at a good signal place
platform shows device not activated after first installation	Main power supply connected correct or not	Do not connect to the main control line of the vehicle
	SIM inserted not correct	Check the SIM card
	LED status	Check if the indicator is blinking or steady
	SIM without GPRS activated or SIM card out of charge.	Please contact carrier to activate GPRS or charge
Platform map shows incorrect location	GPS no location	Please go to outdoor place where GPS signal good
	Vehicle did not move after installation	Please drive the vehicle on the road
	ACC connected or not	Connect the device and turn on ACC
Platform shows the main power disconnect	Poor power supply connection	Check whether the power supply line of the device connected correct or not
Platform shows device offline	SIM card out of charge of GPRS was canceled	Please check your SIM card
	Weak signal area	Please try again at good signal area