Kinghelm®

4G/GPS Vehicle Tracker

User Guide

Please read the User Guide carefully before use in order to get the correct quick operation. Product appearance, color and accessories are subject to change without notice !

Getting Started Guide

1.1 Product Features

◇Electric Car / Automobile/Motorcycle Tracking

◇SMS / Platform / APP Real-Time Tracking

◇Overspeed Alarm / Electronic Fence Alarm

◇Vibration Alarm

◇Ignition Switch Alarm

◇Mobile Alarm

◇Fuel And Power Cutoff / External Speaker Interface (Optional)

◇Built-In Battery Power Loss Alarm (Optional)

1.2 Performance Parameters

Body	Dimension	79*34*18mm
	Material	ABS
	Weight	0.045KG
Version Options		
	Asia-Pacific Version	LTE-FDD: B1/B3/B5/B8 LTE-TDD: B34/B38/B3/B40/B41 GSM: 850/900/1800/1900Mhz
GPS	GPRS	Class 12,TCP/IP
	Modules And Chips	Quectel EC800G+AT6558R
	Enabling Power	Warm Start：≤1 S (Open Area)
		Cold Start：≤35 S (Open Area)
	Position Accuracy	< 5m
Current	Operation Temp.	-20℃ to +70℃

	Storage Temp.	-40°C to +80°C	
	Voltage	9–90V DC	
	Standby Current	100uA	
	Operating Current	50mA (12V Input)	
Internal	Backup Battery	150mAh/3.7V Lithium Polymer Battery	
	GSM/GPS Antenna	Internal	
	Micro USB Interface	Flash Firmware/Configuration	
	Configuration Mode	PC – USB/GPRS/Message	
	Power Interface	4PIN (Power Supply/Relay)	
	Gravity Sensor	Support	

1.3 LED Light Description

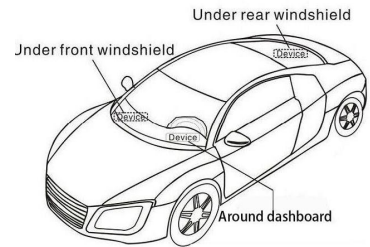| Color	Represents	LED Twinkle	LED Bright
Red	Power Supply	Electricity Shortage	The Main Power Supply Has Been Connected
Green	GSM Signal	The Device Is Connected To The Server	No GSM/LTE Signal
Blue	LED Signal	GPS Has Been Positioned	Searching For GPS Signal

Installation Instruction

2.1 Terminal Installation Instructions

This product is a high-tech satellite positioning product, it is recommended that you choose professional units and personnel for installation and debugging.

The following figure is the recommended installation location:

Note:
1.Device front side towards the sky.
2.If the windscreen glued by metal thermal insulation layer or heating layer, it will reduce the GPS receive signal and lead to GPS work disorder.

2.2 Terminal Wiring Diagram
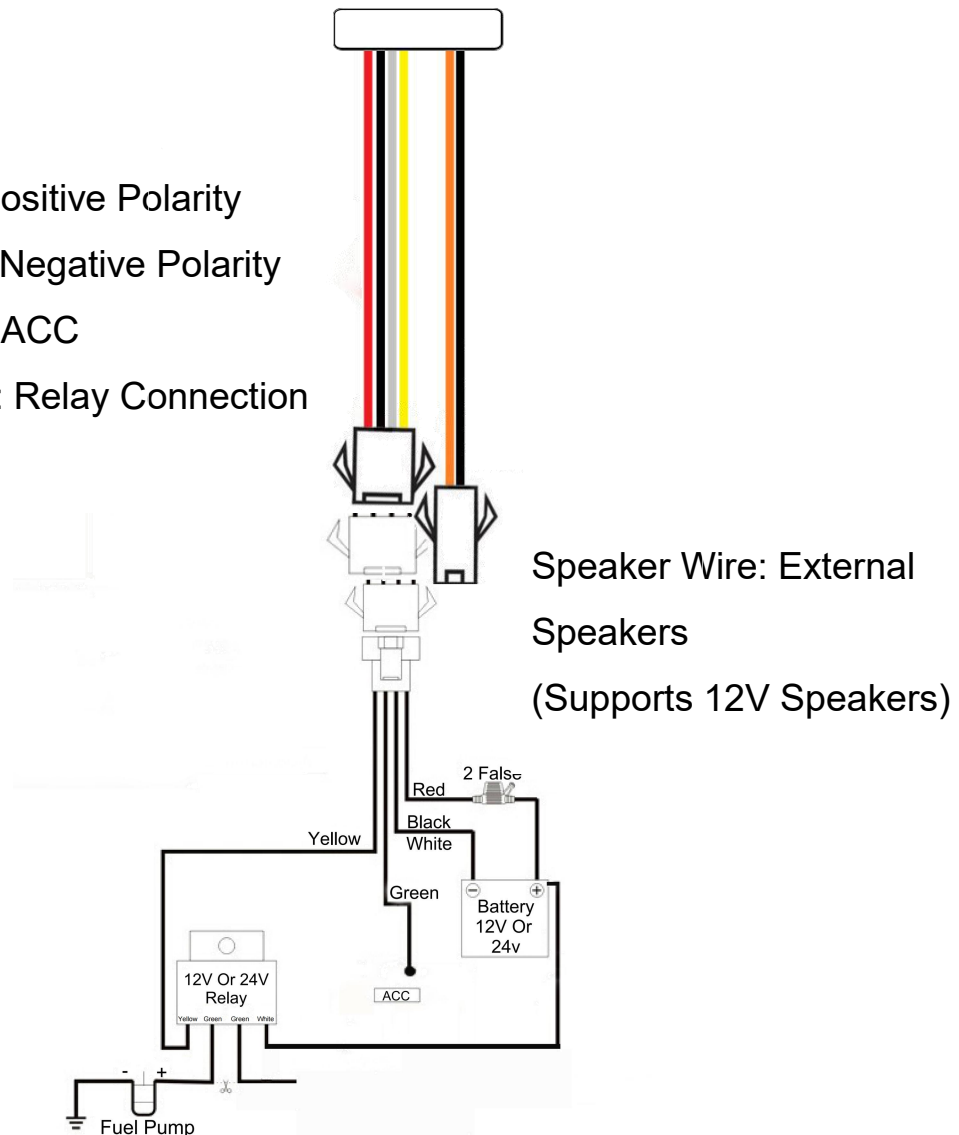
Terminal And Power Tail Wiring Diagram

Red Wire: Positive Polarity

Black Wire: Negative Polarity

White Wire: ACC

Yellow Wire: Relay Connection Wire

Speaker Wire: External Speakers

(Supports 12V Speakers)

Red

Black
White

Yellow

Green

2 False

Battery
12V Or
24v

12V Or 24V
Relay

Yellow Green Green White

ACC

Fuel Pump

⚠ Notes:

This device operates on a standard power supply of 12V to 90V DC. Please use the original power cable. The red wire is the positive power supply, and the black wire is the negative power supply. When installing, ensure that the negative power supply is connected separately to ground or the chassis ground. Do not connect it together with other ground lines.
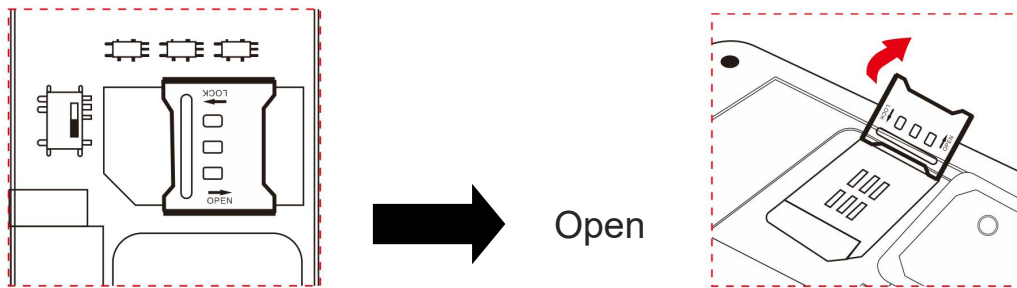
SIM Card Installation

3.1 Reminder

1. Terminal SIM card requires GPRS function service and is compatible with LTE network 4G network.
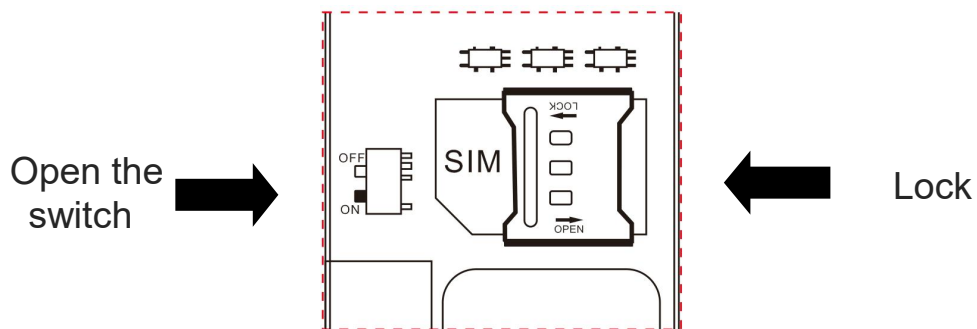
2. Turn off the terminal before installing or removing the SIM card.

❶ Open cover (Open Panel)

❷ According to the instructions on the card cover, slide the cover upward and flip open the SIM card holder. (Shown)

Open

❸ Place the SIM card correctly and lock the card to the left.

Open the switch

Lock

Power Instruction

4.1 Power On

After installing the SIM card and connecting the circuits, switch on the device. The red power indicator light should flash or remain steady to indicate normal power supply. The blue GPS indicator light and green GSM indicator light should stay on to indicate signal searching.

Once the terminal is operating normally, the blue GPS indicator light will blink (indicating GPS is positioned), and the green GSM indicator light will blink (indicating GSM is operational). At this point, the terminal will upload its current location information to the service platform at regular intervals.

4.2 Power Off

To power off the device, slide the power switch, unplug the power plug, and the terminal will shut down.

Kinghelm®

Device Application Operation

To access and view device terminal parameters, you can log in to the mobile client provided by the dealer or the location service platform.

5.1 Log In To The Website Service Platform: www.gps2828.com

5.2 Download Mobile APP Client: Secumore (Support Apple / Android System Installation)

Mobile End APP QR Code Download

5.3 Open The APP And Enter The Login Account (Barcode Number On The Device)

Default Password: 123456 (As Shown In The Figure)

Common Commands

The operation terminal can be set through the platform or APP, or the corresponding functions can be realized by editing the SMS in the following instruction format:

Command	Function
◆ Note: All alerts will only be sent to the administrator number	
adminip123456 www.gps2828.com 7018	Set Up The IP Port
password123456 888888	Change Password
fix020s060m***n123456	Set The Upload Interval
sleep123456 on	Intelligent Sleep (GSM / GPS Sleep At Parking)
sleep123456 off	Cancel Dormant Mode
check123456	Query Device Parameter
IPAPN123456	IP APN Check It Out
time zone123456 0	Set Time Zone
reset123456	Reset The Device
admin123456 15018500598	Set Admin Number
noadmin123456 15018500598	Delete Admin Number
begin123456	Restore Factory Setting

Common Troubleshooting

When encountering the following issues while operating the terminal, please refer to the troubleshooting solutions below. If you are still unable to resolve the problem, please contact your sales or service provider for assistance!

FAQ	Fault Analysis	Resolution
Poor Reception Of Signal	In Densely Populated Areas With High-Rise Buildings Or Underground Locations, Wireless Radio Waves Often Face Challenges In Effective Transmission.	Please Move To An Area With Strong Signal Reception
Unable To Connect To Network	Weak Signal	Please Relocate To An Area With Strong Signal
Unable To Locate	The Installation Location Is Shielded By Metal Or Experiences Significant Signal Attenuation, Resulting In Inability To Achieve Satellite Positioning	Reposition To The Optimal Installation Location
The Platform Displays Offline The Indicator Light Is Not On	Terminal Main Power Supply Abnormal / Indicator Light In Sleep Mode	Check Power Supply And Manually Restart The Device
The Platform Location Is Abnormal	No Position Fix, Delayed Positioning Data	Remove The Terminal For Outdoor Testing / Relocate