

4G+GNSS Wired Tracker for Vehicle

Quick Guide



LT32-D

For Latin America

Please read the quick use guide carefully before using it, so as to operate it quickly.

Product appearance, color and accessories are subject to change without prior notice!



FEATURE

- GNSS/LBS/AGPS
- Wide Voltage 9V-90V
- Power Disconnect Alarm
- Lower Power Alarm
- 4G Cat1
- For Latin/South America
- Removal Alarm
- Remotely Control

LED INDICATION

LED STAUTS

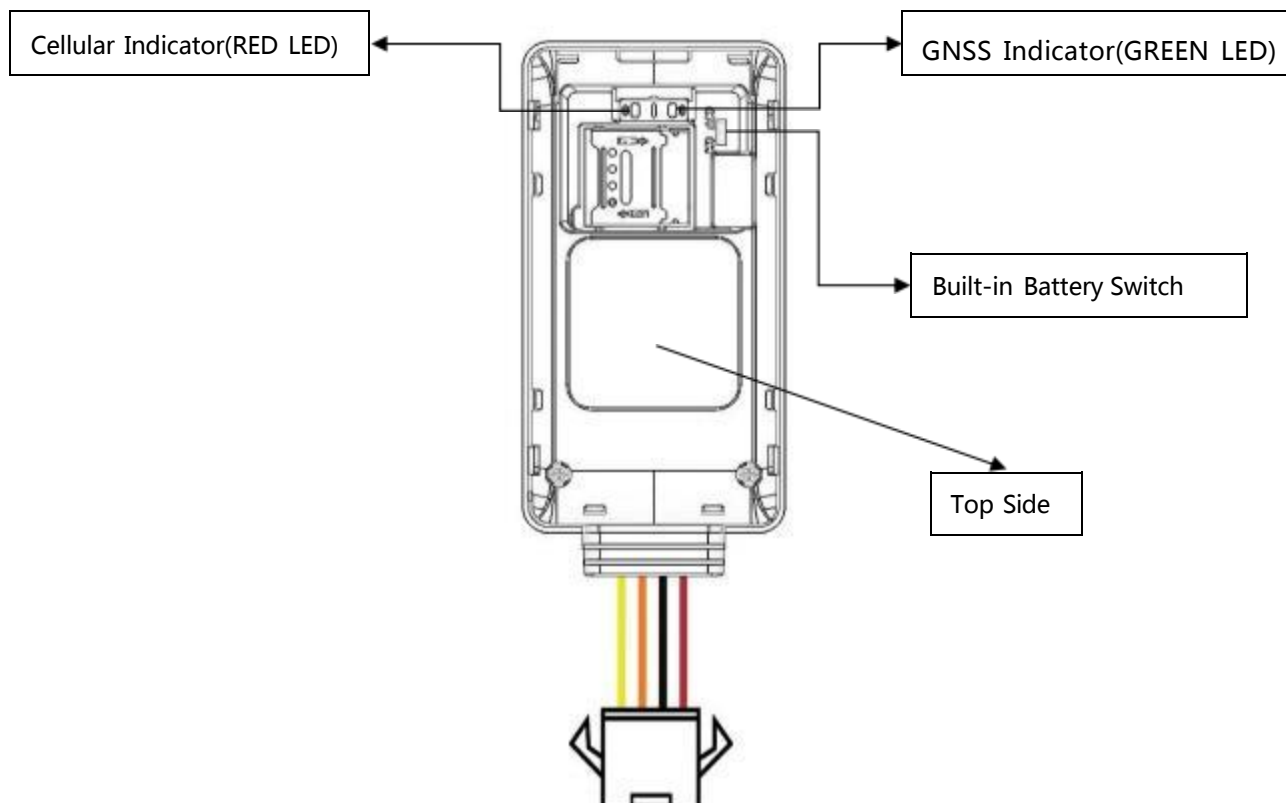
GREEN LED (GNSS Signal Indicator)	
Stays On	GNSS Fixed
Slowly Blinking (On 2s / Off 2s)	LBS Positioned
Quickly Blinking (On 0.5s / Off 0.5s)	GNSS Searching
Stays Off	GNSS Fixed Failure

LED STAUTS

RED LED (Cellular Network Indicator)	
Stays On	Module Restarting
Slowly Blinking	Connected to the server of Platform
Quickly Blinking	Searching Cellular/Network

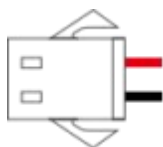
Note: The LED will Off after hibernation.

KNOW LT 3 2 - D



Notice: Make Sure Top side toward Sky after installation, to get best GPS Signal

2PIN Connector



V+	RED	Positive (9 - 90V)
V-	BLACK	Negative

4PIN Connector



V+	RED	Positive (9 - 90V)
V-	BLACK	Negative
ACC	ORANGE	Ignition Detection
RELAY	YELLOW	Cut Engine



TECHNICAL PARAMETERS

VOLTAGE	DC 9V~90V, Anti 200v wrong power supply connection	
CURRENT	Average Current<40mA@DC12V Sleep Current<3mA@DC12V	
BATTERY	60mAh, 3.6V, Polymer lithium battery	
DEMENTION	77mm*40mm*13mm	
WEIGHT	47g	
WORKING/STORAGE TEMPERATURE	-20°C ~ 70°C / -40°C ~ 85°C	
RELATIVE HUMIDITY	5% ~ 95%	
BAND	LT32D: LTE B2/B4/B5/B7	
GNSS FREQUENCY	GPS L1:1575.42MHz	BD B1: 1561.098MHz
STORAGE	400K fs + 1M norflash, Support 3 Socket to 3 Server, 1000 blind area supplementary reporting points.	
PROTOCOL	Support Kingwo/JT808/Concox etc	
IP LEVEL	IP65	

FUNCTION

● **Real-Time Tracking**

Tracker terminal sends position and state information of the vehicle to the center in real time, accuracy is less than 10 m in the open environment.

● **History Route**

The history route record will be saved on the platform. it can be checked when needed.

● **GNSS Data Resume Broken Transfer**

Device will save the GNSS data to flash when the Cullar not available (blind area), it will conitue to send data to serve when the network recover.

● **Driving Behavior**

Sudden Acceleration: When the speed increases rapidly, terminal will report a sudden acceleration event to the platform;

Sudden Deceleration: When the speed reduced rapidly, terminal will report a sudden deceleration event to the platform;

Sharp Turn: When device occur a sharp turn, terminal will report a sharp turn event to the platform;

Collision: When vehicle collides while driving, terminal will report a collision event to the platform.

● **Double/ Triple Server**

Supports Single/Double/Triple Server, connect to 1~3 servers simultaneously.

● **Communication Protocol**

Supports Kingwo / Concox / JT808 protocol, support protocol customization.

A L A R M

- **Power Disconnect Alarm**

When external power is disconnected, the built-in battery still support device keep reporting positions and send Power Disconnect Alarm to the platform.

- **Low Voltage Alarm**

When external power low to some level, a Low Voltage Alarm will be generated and send to the platform.

- **SOS Alarm (Enable SOS on 5th PIN)**

When SOS button is pressed for a while, device will report an overspeed alarm to the platform.

- **Overspeed Alarm**

When vehicle speed higher than the overspeed value be set in advance, device will report an Overspeed Alarm to the platform.

- **Shift Alarm**

When vehicle ACC off and locatioin shift X meters from original place.

- **Vibration Alarm**

When enable Vibration Alarm function, After vehicle' s ACC off for more than X minutes (X range: 1-20 minutes), device occur vibration more than Y minutes (Y range:1-10 minutes), device will report a vibration alarm to the platform.

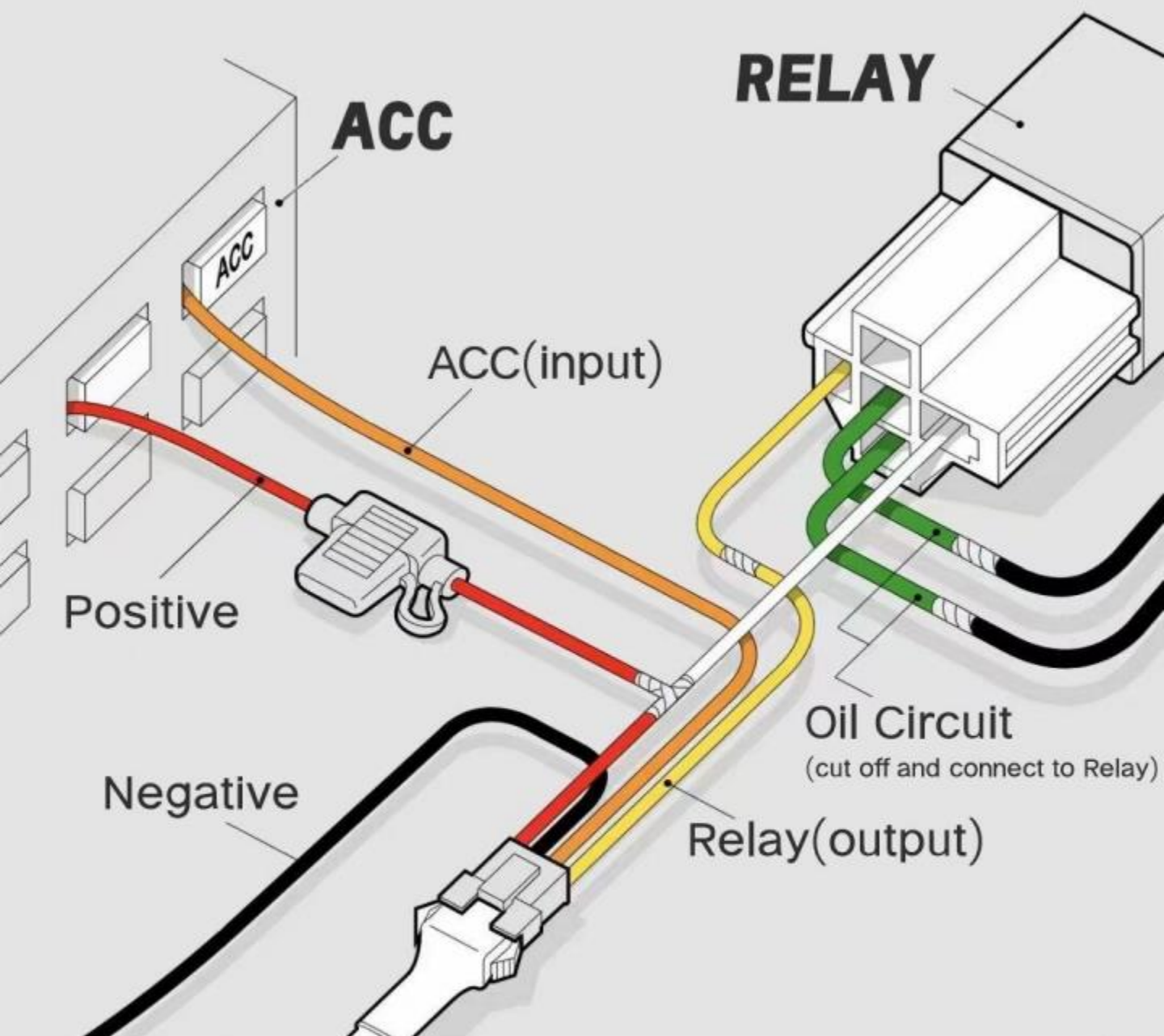
- **Collision Alarm**

When device detect a collision event, it will report collision alarm to the platform.

- **GEO Fence Alarm**

After GEO-fence area is set on the platform, when vehicle enters /exits the area, the corresponding GEO-fence Alarm will be triggered on the platform.

Wired Tracker Installation



RED

Positive

Connect to positive of Battery
Connect to ACC of Car



BLACK

Negative

Connect to negative of Battery or iron part of Car



ORANGE

ACC (input)

Connect to ACC of Car to know Car engine status
Connect to input type peripheral to get data



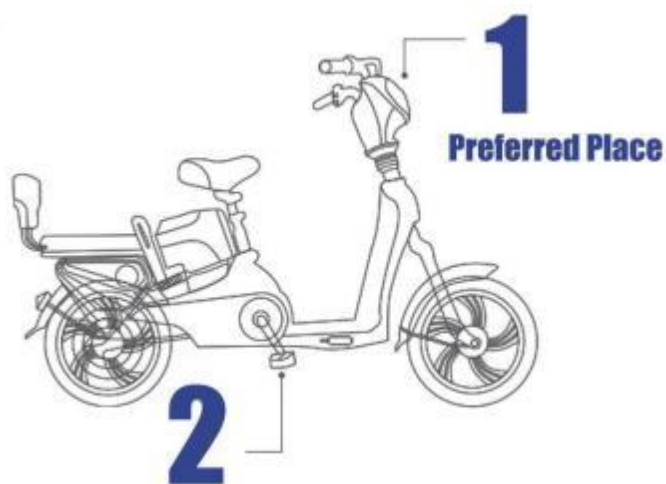
YELLOW

RELAY(output)

Connect to Relay to remotely control the car
Connect to output type peripheral to control them

INSTALLATION

Installation Place on Electric bicycle/Motorcycle



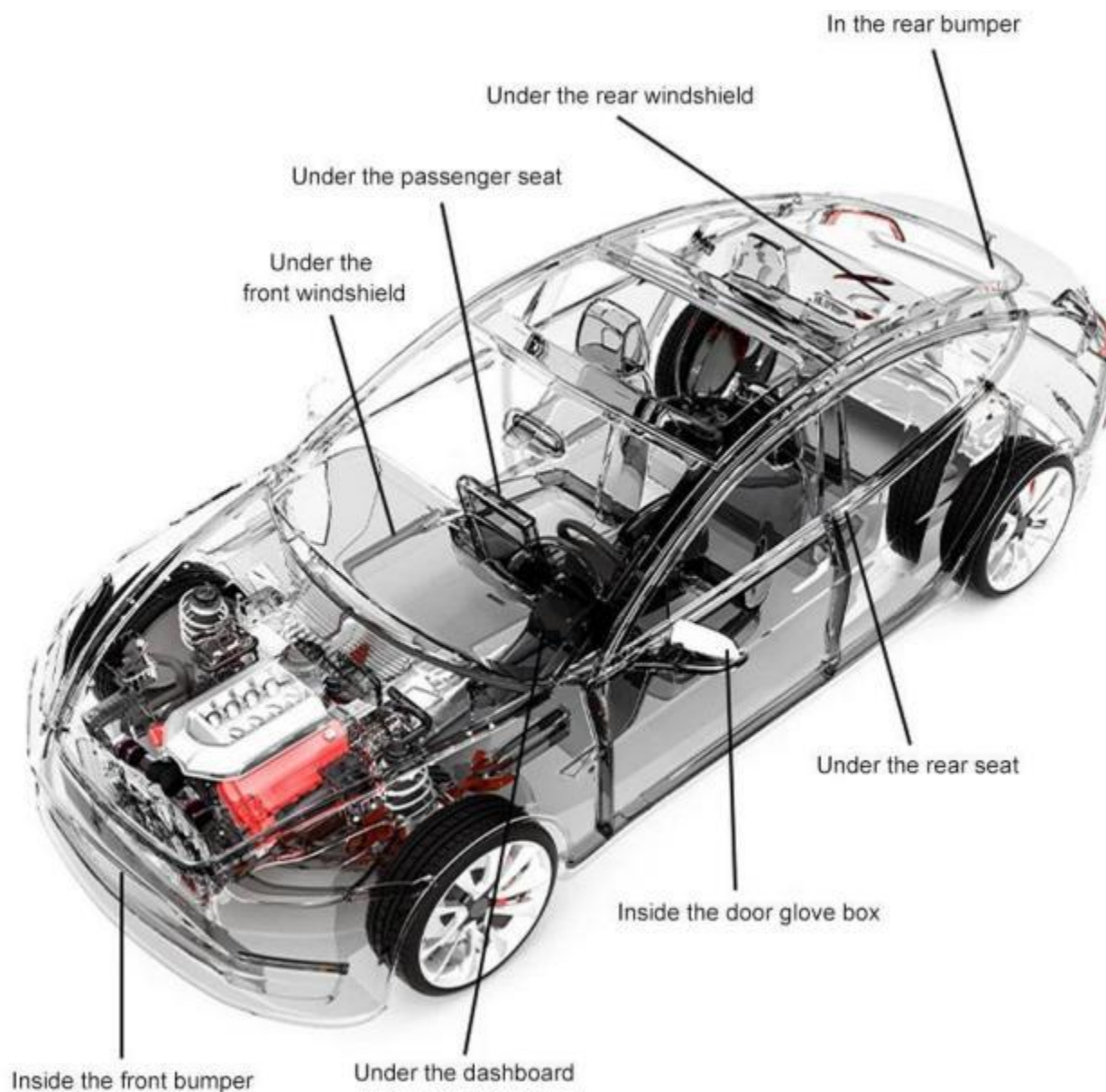
Installed inside the plastic case

Preferred Place



INSTALLATION

Installation Place on Car



warm Tip

- 1.Tracker shall be installed with its GPS antenna facing the sky;
- 2.If the windshield is pasted with a metal insulation layer or a heating layer, the reception of satellite signal strength will be reduced, which may cause GPS fix problems. Please change the installation place.

DEBUGGING

When device has the following faults, please refer to the following troubleshooting scheme. If you still can't solve it, please contact your vendor or service provider!

PROBLEM	REASON	SOLUTION
Bad Signal	In the area without or bad signal	Go to outdoor and get good signal
	Metal cover on tracker or GPS antenna toward ground	Remove metal and toward to sky
Can not Power ON	Low battery	Connect to power supply and charge the battery
	Blown fuse	Change the Power Cable
	Poor contact	Check connection
Can not connect to network	SIM did not install well	Check SIM installation
	Stains on the metal surface of SIM card	Clean the SIM surface
	Tracker APN setting is not right	Contact the reseller
	SIM not available	Contact your operator
	Over the SIM signal area	Move to the area which operator provide service
	Bad network signal	Move to the area has good signal
	SIM no balance	Charge the SIM

FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.

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