

Quick Start Guide

ACC400-E/LA

Amber Covert C400-E/LA

LTE Vehicle GPS Tracker

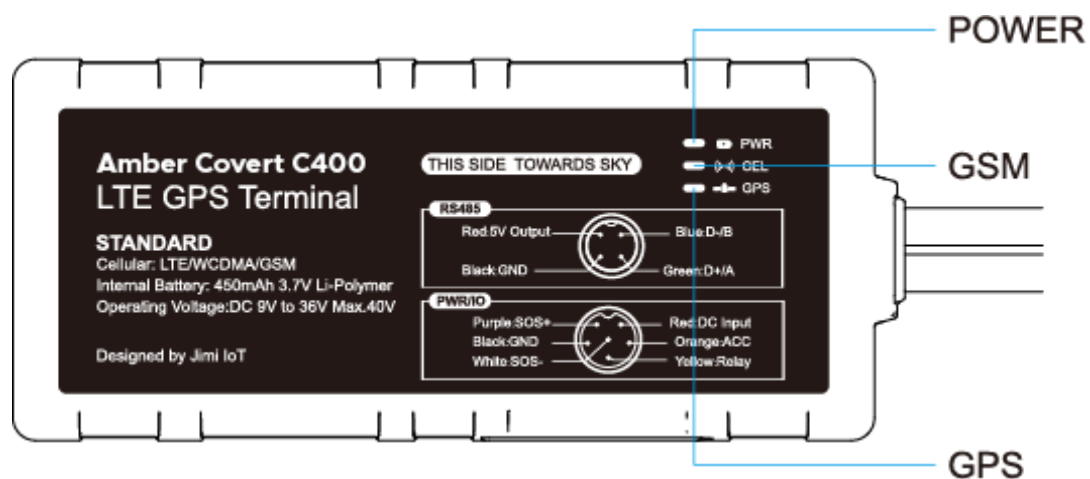
1
Install
Your device

2
Download
Amber Connect
App

3
Activate
the device



Product overview



Position tracking

- LTE, UMTS& GSM connectivity
- GPS & LBS positioning
- Real-time location query
- Track by time/distance/cornering/ignition

Anti-theft

- Remote power/Fuel cut-off
- SOS emergency call
- Geo-fence alert
- Towing alert

Monitoring

- Ignition detection
- Over-speed alert
- Driver behavior monitoring
- Fuel level monitoring(optional) Temperature monitoring(optional)

Specification

LTE Band	B 1 /B2/B3/B4/B5/B7 /B8/B28AB (VL01 LA) B2/B4/B5/B7/B12/B66 (VL01A) B1/B3/B7/B8/B20/B28A (VL01 E)
UMTS/HSPA Frequency	850/900/1900/2100 MHz (VL01LA) 850/1900 MHz (VL01A) 900/1900/2100 MHz (VL01 E)
GSM Frequency	850/900/1800/1900 MHz (VL01LA) 850/1900 MHz (VL01A) 900/1800 MHz (VL01E)
GNSSType	U-blox all-in-one GNSS receiver

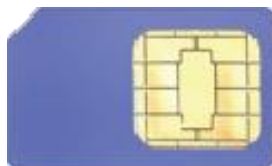


Sensitivity	Cold start: <45s Warm start: <35s Hot start: <1s
Position Accuracy	2.5m CEP

General Specifications

LED Indicator	GPS (blue), GSM(green), power (red)
Battery	450mAh/3.7V
Working Voltage	12VDC/24VDC
Operating Temperature	-20°C~ 70°C
Weight	105g
Dimension	113(L)'51 (W)'20(H)mm

Product setup



Micro



Nano



Insert SIM and Power on

1. Remove the soft plug on one side of the tracker and insert the SIM card into the card slot with its gold-plated contacts towards the Printed Circuit Board.
2. Remove the cover and toggle the battery switch besides the SIM slot to power on.

Power off

1. Disconnect the tracker from external power.
2. Remove the cover and switch to "OFF"

LED indications

Power Status (Red)

Solid on	High power (>3.9V)
On for 0.3s and off for 3s	Medium power (3.65V-3.9V)
On for 0.3s and off for 0.3s	Low power (<3.65V)

GNSS Status (Blue)



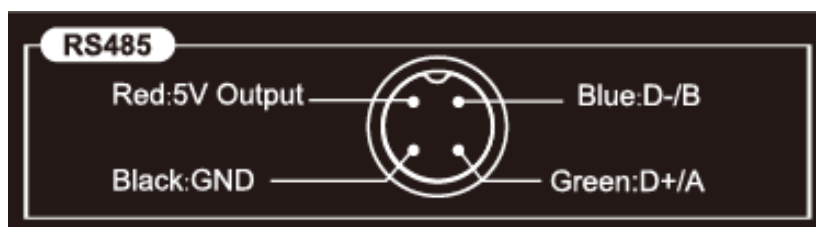
On for 0.3s and off for 0.3s	Searching signal (over 1 min in this state please move to open ground)
On for 0.1 s and off for 3s	Positioning success
Solid on	Low power (<3.65V)

GSM Status (Green)

On for 0.3s and off for 0.3s	Initializing
On for 1 s and off for 3s	Logging (If long-stay in this stale, please check server settings)
On for 0.1 s and off for 3s	Network available

Interface and Wiring

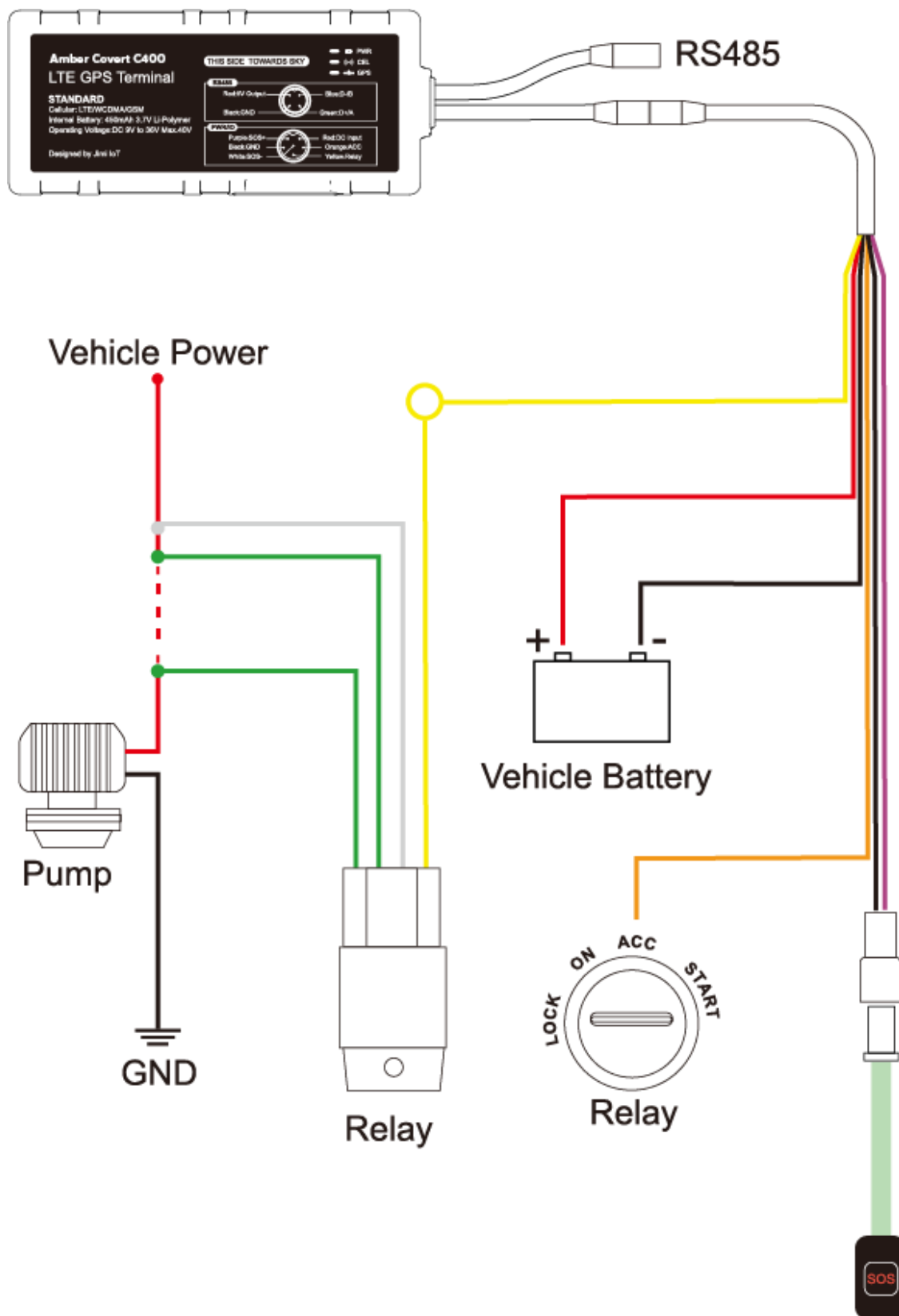
RS485



Power and I/O

Red	PW+	Supply voltage, 9-36V
Orange	ACC	ACC by default, positive triggered
Yellow	Relay	Fuel/Power cut-off
Black	GND	Grounding wire
Purple	SOS+	SOS(positive)ADC
White	SOS-	SOS(Negative)





Power connection

The standard power supply ranges from 11V to 36VDC.
During installation, negative side should connect to the ground.
Do not connect with other ground wires simultaneously.

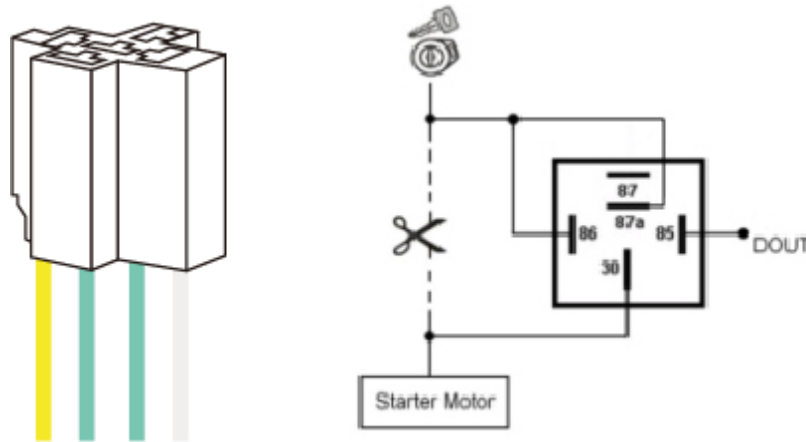
Ignition wire

ACC line (orange) connects to vehicle's ACC, detecting ignition.
Be sure to check if it's a real ignition wire i.e. power does not disappear after starting the engine.

Relay wiring

Relay's white line (85) connects to the positive side of battery (12V) while the yellow line (86) connects to the device relay control (yellow line on the power cord).

Find the fuel pump in the vehicle and cut off its positive power line. The positive side of fuel pump connects to the green line (87a) while the side closing to starter motor connects to green line (30), as the below chart. Switch of the two green lines have the same effect.



12V relay is standard. The device is suitable for vehicles with 12V supply. If the vehicle power supply is 24V, use 24V relay.

Package & Optional accessories

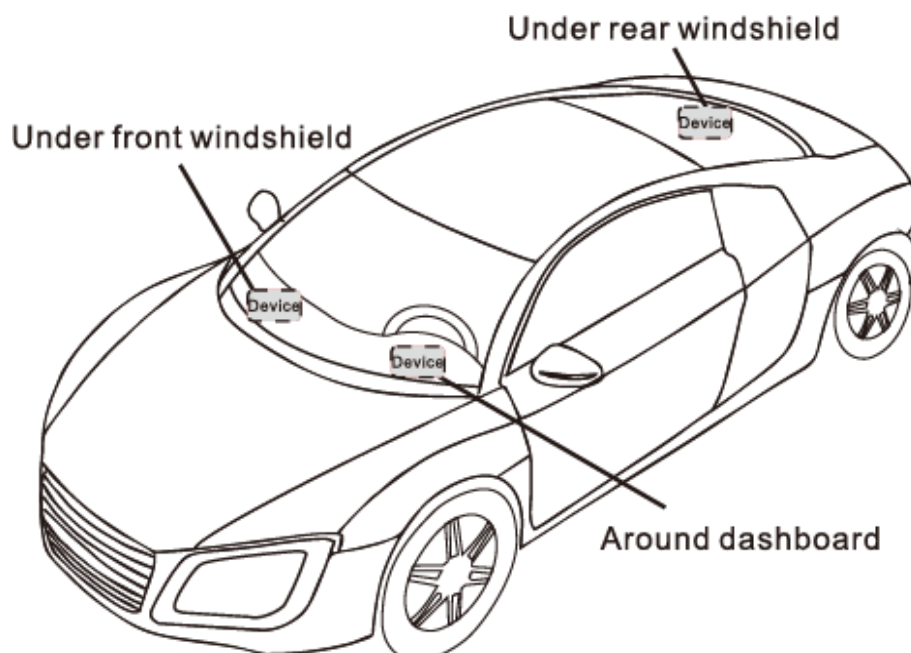
Standard

Power cable

Relay

SOS cable

Installation recommendation



- 1) The device should face up to the sky.
- 2) Metal thermal barrier or heating layer of the windshield affects the signal.

Troubleshooting

Type	Use
Unable to connect to tracking platform	Check the APN and IP settings. Check whether the data service of SIM card is enabled. Check the balance of SIM card.
Tracker shows offline	Check whether external power is still connected. Check if the vehicle entered network blind area. Check the balance of SIM card.
Unable to connect locate	Make sure the top side facing upward without metallic things shielded. Make sure it's not in area with no satellite coverage.
Location drift	In area with poor GNSS signal (tall building around or basement), drifting may happen. Check whether vibration happens around to trigger the accelerator.
No command reply	Make sure command format is correct. Vehicle may be in network blind area. Make sure SIM card is well inserted and has SMS service.

Warranty instructions

1. The warranty is valid only when the warranty card is property completed, and upon presentation of the proof of purchase consisting of original invoice indicating the date of purchase, model and serial No.of the product. We reserve the right to refuse warranty if this information has been removed or changed after the original purchase of the product from the dealer.
2. Our obligations are limited to repair of the defect or replacement the defective part or at its discretion replacement of the product itself.
3. Warranty repairs must be carried out by our Authorized Service Centre. Warranty cover will be void, even if a repair has been attempted by any unauthorized service centre.
4. Repair or replacement under the terms of this warranty does not provide right to extension or renewal of the warranty period.
5. The warranty is not applicable to cases other than defects in material, design and workmanship.





Need help? Contact 24/7 live support!



In App Chat



support@amberconnect.com



Chat via website www.amberconnect.com

Works with Android phones and tablets, iPhone, iPad.
Compatible with Chrome, Mac and PC web browsers.



Scan this QR code to download your App



Amber Connect

©2022 Amber Connect Limited. All rights reserved

