

Quick Start Guide

APC200

Amber Power C200

Vehicle GNSS Tracker

1
Install
Your device

2
Download
Amber Connect
App

3
Activate
the device



1. Box contents

- AMB363N Wired GPS Vehicle Tracker: 1 Pcs
- Power Cord
- Relay
- Microphone
- SOS Alarm Cable and Button
- User Manual

2. Specification

Dimension	106(L) x 54(W) x 16(H) mm
Weight	96g
Backup Battery	450mAh / 3.7V
Operation Temperature	-25°C—60°C
Humidity	5% - 95%
Standby Time	60 hours
GSM Frequencies	850/900/ 1800/ 1900 MHz
GPRS	Class 12
GPS Channel	20
GPS Sensitivity	-159dBm
Acquisition Sensitivity	-144dBm
Position Accuracy	10m
TTFF (Open Sky)	Cold Start: <38s
	Warm Start: <15s
	Hot Start: <2s
GSM/GPS Antenna	Built-in design
LED Indicator	GSM-green, GPS-blue, Power-red
Data Transmit	TCP, SMS
Geo-fence	Alarm activated when the vehicle enters or leaves specified area
Speeding Alarm	Alarm activated when speed goes higher than the pre-set value
Low Power Alarm	Alarm activated when the built-in backup battery is running out.
Non-movement Detection	Movement alarm activated by built-in 3D motion sensor
Mileage Report	Track by time/distance interval
Remote engine mobilization/immobilization	Mobilize/immobilize Engine

3. My Device



GPS LED Indicator — Blue	
Flashing (interval 0.1s)	Searching for GPS signal
Solid blue	GPS positioned
OFF	GPS not positioned

GSM LED Indicator — Green	
Quick flashing (interval 0.1s)	GSM initializing
Slow flashing (flash 0.1s every 2s)	Trying to establish connection
Solid green	Connected to GSM network
OFF	No GSM signal or no SIM card inserted in the device

Power Status— Red	
Flashing (interval 0.1s)	Low battery
Slow flashing (interval 0.2s)	Fully charged
Slow flashing (flash 0.1s every 2s)	Functioning normally
Solid Red	Charging
OFF	Power off or low battery

Ignition detection indicator: three LED indicators take turns flashing.

4. Getting Started

Please follow the instructions below to ensure safe and correct installation of your device.

4.1 Inserting the SIM card

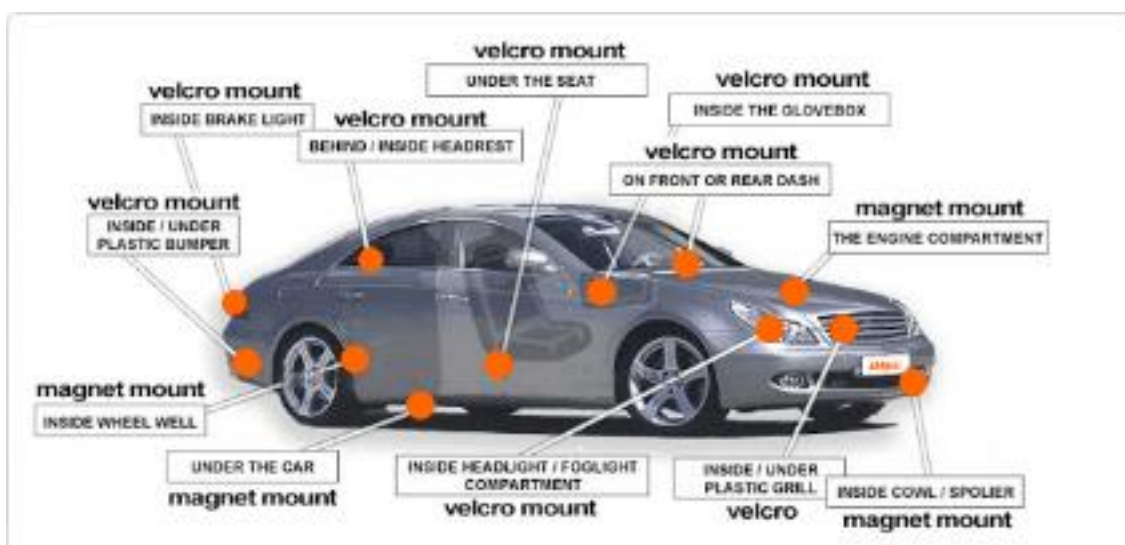
Place the SIM card into the device with the gold-colored side facing down.



Note: Please ensure that the SIM card had data to support the GPRS connection.

4.2 Install the device

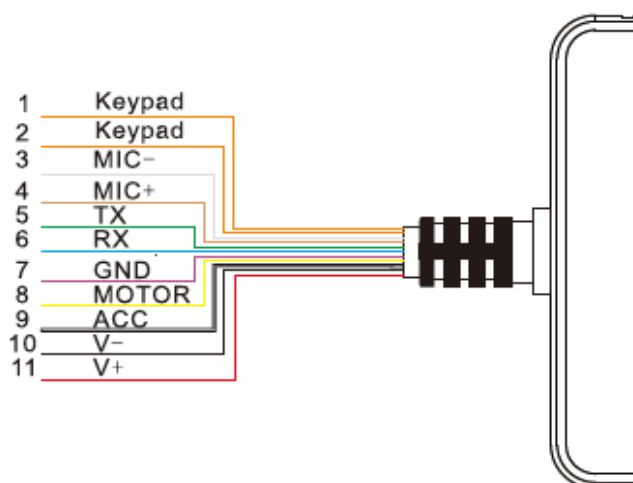
Find a location inside the vehicle where the device will not be found.



Note:

1. Any high-powered devices such as reversing radar, anti-theft detector or communication equipment may affect the signal of the device.
2. The metallic case on the wind shield will attenuate the signal on the tracking device, due to the shielding effects of the metal compound of the case.

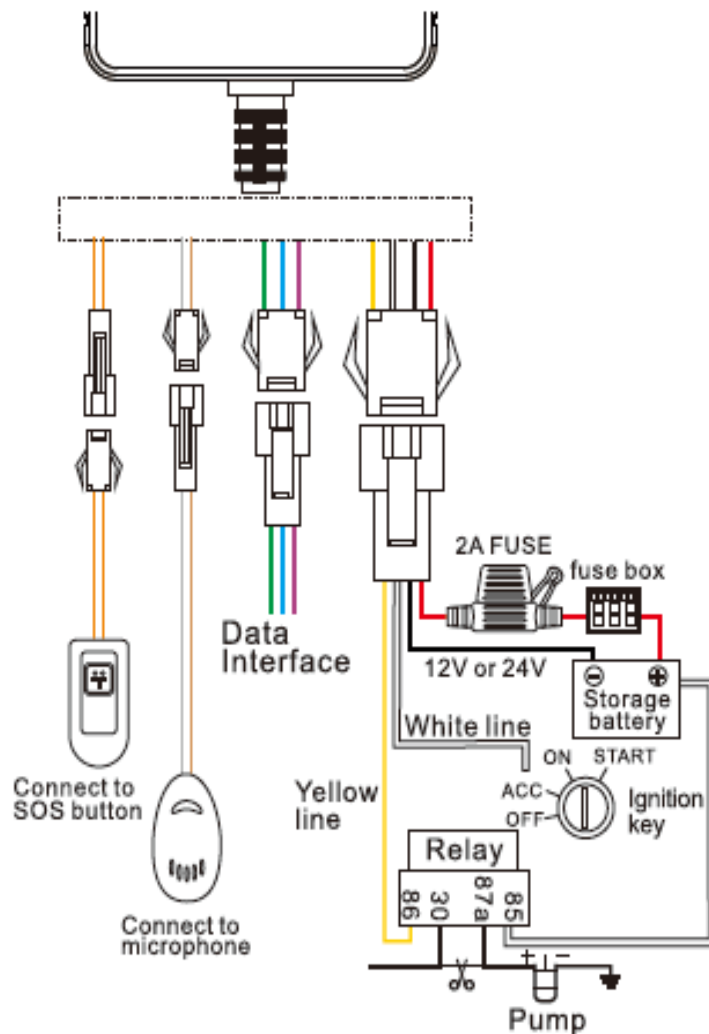
4.3 Wiring diagram



Line No	Specifications	Color	Description
1,2	Keypad	Orange/Orange	Connect to SOS button
3,4	MIC-,MIC+	Black/Red	Connect to microphone
5	TX	Green	Sending data (TX)/backup
6	RX	White	Receiving data (RX)/backup
7	GND	Black	Ground wire
8	MOTOR	Yellow	Connect to relay control line
9	ACC	White	Connect to ACC ignition
10	V-	Black(thick)	Negative side of 12V/24V Car storage battery.
11	V+	Red(thick)	

Notes on the relay wiring

The relay wiring of pump: oil connectors of both ends have a fine white line (85) and a fine yellow line (86). The fine white line (85) is connected to the vehicle's positive power (+12V). The fine yellow line is connected to the device relay control line. Cut off the positive connection line of the pump, then connect in series to the relay N.C. contact (thick green line 87a) and the other end to relay COM contact (thick green line 30).



Please choose the right relay (12V-standard / 24V- optional) for proper installation.

4.4 Power/ACC/Tele-cut off (petrol/electricity) control line (4 pin)

1. Your device comes with a power cord and is designed to use only manufacturer-specified original accessories. The red line is positive while the black is negative (the side should not be connected to the ground wire).
2. The ACC line (white) connects to the ACC switch of the vehicle. Please be sure to connect the ACC line, otherwise the device will not detect ignition status. If you do not need anti-theft temporarily, just connect the ACC line to the positive side in parallel.
3. Tele-cut-off (petrol/ electricity) control line (yellow) is connected to pin 86 of the Tele-cut-off (petrol/ electricity) relay (the yellow line of the relay socket).
4. USB cable (3 pin)
Firmware updating interface/expanded function to reserve space.
5. MIC line (2 pin)
Externally connect to microphone for voice monitoring function.
6. SOS line (2 pin)
Externally connect to SOS switch for SOS function.

5. Operation of device

5.1 Power on/ power off

Power on: Once a valid SIM card is inserted and all the wires are correctly connected, turn on the device as shown in the diagram. Refer to GSM and GPS guide as mentioned above.

Power off: Turn off the power switch.

The device will begin to upload positioning data to server once a valid SIM card is inserted and the device power is on. While working, it will upload data to server.

5.2 Low battery alarm

This alarm will be activated when the device is working only with battery power. Once the internal battery voltage is less than 3.7V, the device will send a low battery alert to your Amber Connect app or web portal.

5.3 One way listening feature

Only preset registered SOS number can call the device. The caller will be able to listen in to sounds in vehicle.

Note: To this function, please ensure that the SOS number is set on the Amber Connect app or web portal.

The SIM card inserted into the device should be enabled with caller identification.

The device will not accept calls from non-registered SOS number.

5.4 Remote engine immobilization

Engine can be immobilized from the Amber Connect B2B/B2C mobile app or web portal. Please refer to Amber App/Web Portal user guide.

Note:

1. Ensure that the ACC is properly connected.
2. If the ACC is ON, but the GPS is not picking up, the engine cannot be immobilized
3. When the ACC is ON and the GPS is fixed, the engine can be immobilized

** Subject to permissible laws in your Country.

5.5 Mobilize engine

Engine can be mobilized through the Amber Connect App or web portal.(Please refer to App/Portal user manual for more details)

5.5 Speeding alarm

When the car is moving over a specified average over a specified time period, the device will send a speeding alert notification on the Amber Connect app or web portal.

6. Trouble shooting

If you are having trouble with your device please contact Amber support helpline thru Whatsapp/Twitter/Facebook messenger/Instagram or call your local Amber Connect reseller.

Problems	Causes	Solutions
Device is not connected	No data on the phone	Ensure mobile data is enabled on your phone/Sim card has data to support Amber Connect application.
	Low GSM network in the parked location	Check sim provider and GSM coverage in the zone
	Zero battery notification	Please check voltage of your vehicle main battery. If vehicle battery voltage is above 11.7, please contact Amber Connect Support helpline.
	Sim not inserted	Please ensure sim card is inserted as shown in diagram above.
	No data connectivity on SIM	Please contact sim provider
	Improper installation	Ensure power switch is turned on in the device
	Weak GSM signal	Remount the device to a new location. (Please refer to image above)



Need help? Contact 24/7 live support!



In App Chat



support@amberconnect.com



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



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