



Sign

AMB 363 GPS Vehicle tracker

(GPS+GSM+GPRS)



User Manual

This user manual has been specially designed to guide you through the functions and features of your AMB363 GPS vehicle tracker.

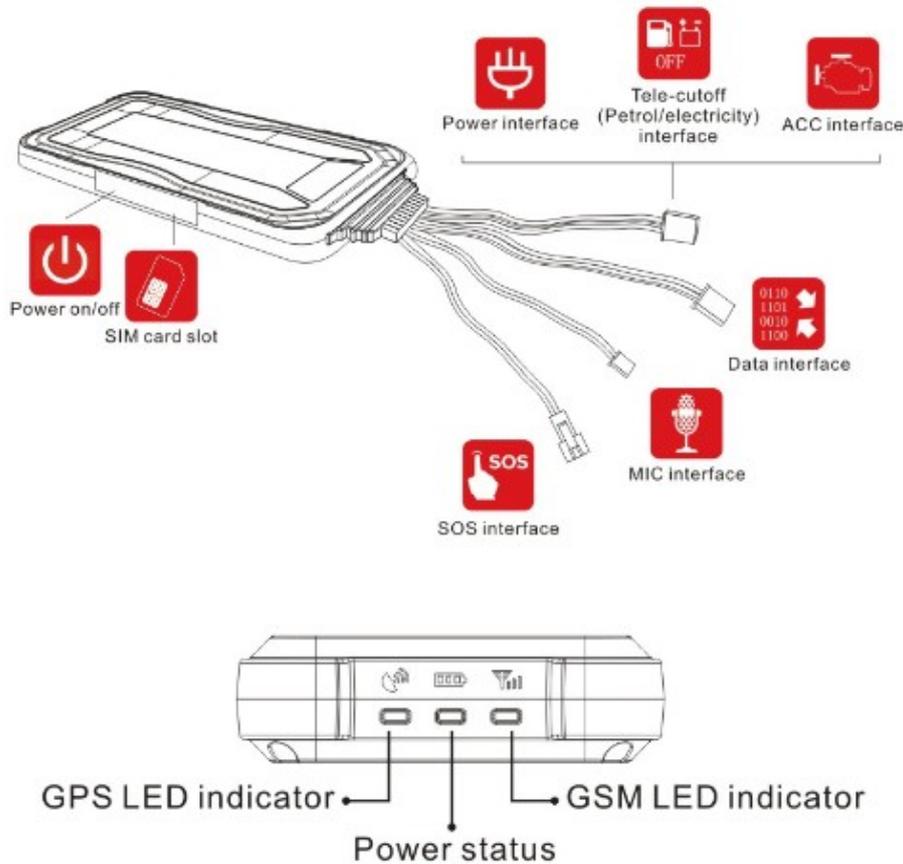
1. Accessories:

- Device
- Power cord
- Relay
- Microphone
- SOS alarm cable & button
- User Manual

2. Specifications

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	160 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	View any existing Geo-fence in the map
Speeding Alarm	Report when speeds higher than the pre-set value.
Low Power Alarm	Alarm when backup battery is running out
Non-movement Detection	Movement alarm based on built-in 3D motion sensor
Mileage Report	Track by time/distance interval
Remote Control	Cut off petrol/electricity

3. My device



GPS LED Indicator - Blue	
Flashing (interval 0.1s)	Searching GPS signal
Solid blue	GPS fix
OFF	No GPS fix or initializing

GSM LED Indicator - Green	
Quick flashing (interval 0.1s)	GSM initializing
Slow flashing (flash 0.1s every 2s)	Receive GSM signal normally
Solid green	Connected to GSM network
OFF	No GSM signal

Power Status - Red	
Flashing (interval 0.1s)	Low battery
Slow flashing (interval 0.2s)	Full charge
Slow flashing (flash 0.1s every 2s)	Normal operating
Solid Red	Charging
OFF	Low battery/Power off

Ignition detection indication: three LED indicators take turns flashing.

4. Getting Started

Please follow below instructions for ensuring safe and correct use.

4.1 Install the SIM card

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

Note: Make sure there is enough credit on the SIM card. If you will be using the GPRS function, you should pay attention to the current SIM card GPRS charge.

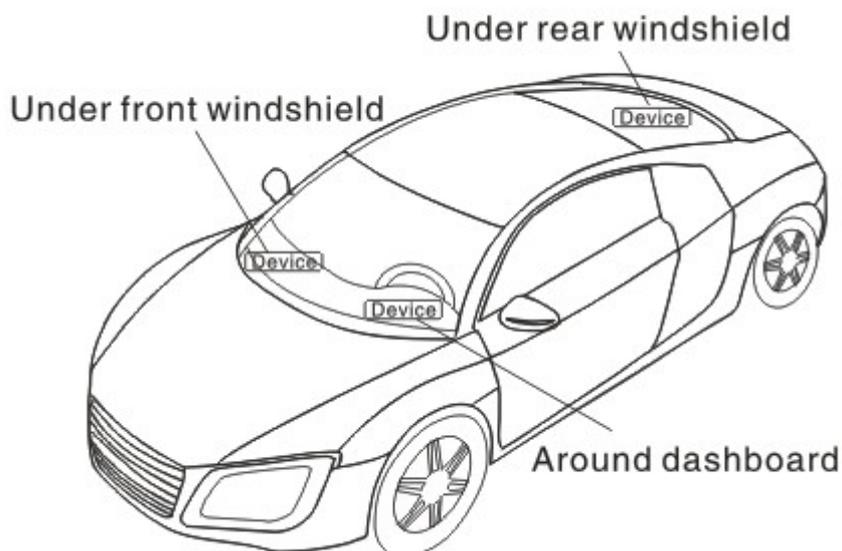
4.2 Install the device

You need to choose somewhere that it won't be found, because the whole point of fitting covert GPS vehicle tracker is the secrecy element.

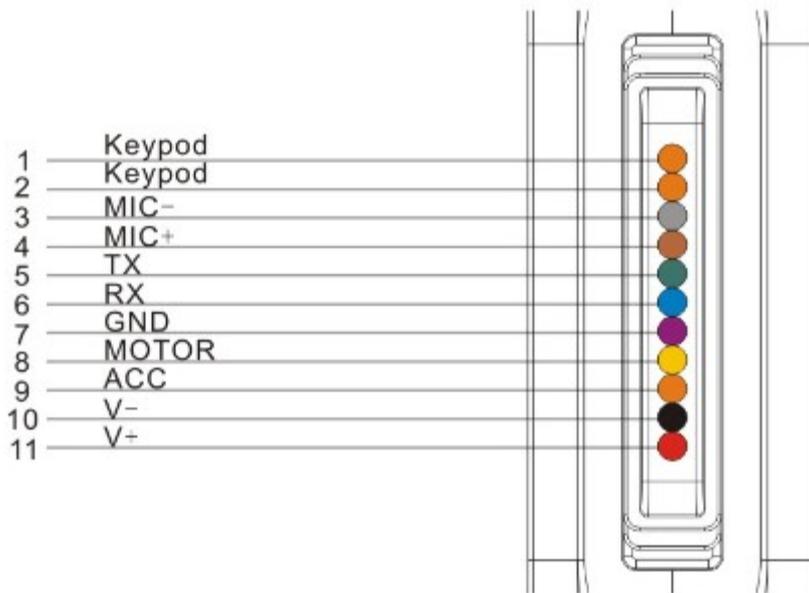
Installation please refers to below picture.

NOTE:

1. Any high power devices such as reversing radar, anti-theft device or communication equipment would affect the signal of the device.
2. All metallic cases of the windshield will attenuate the signal on the tracking device. It's simply due to the shielding effects of the metal compound of the case.



4.3 Wiring configuration



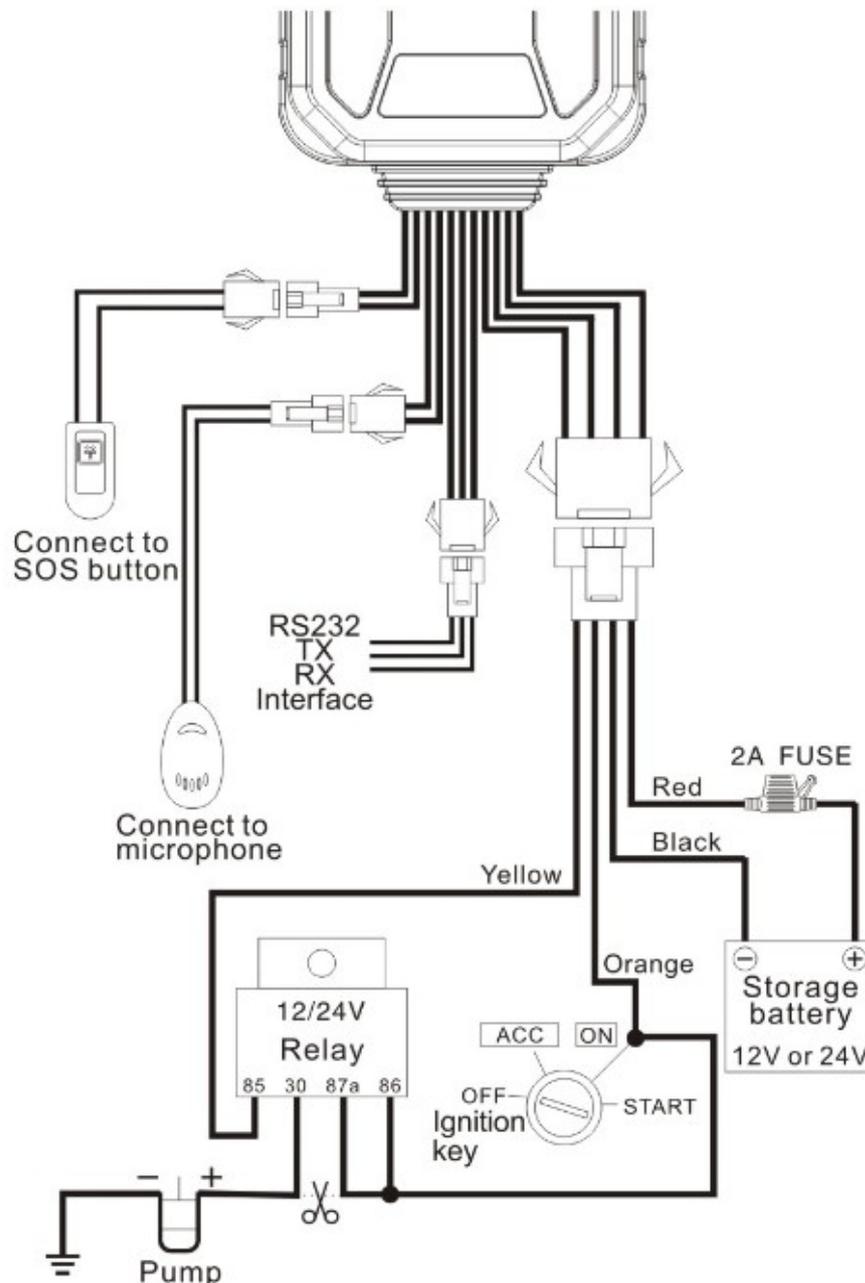
Line No.	Specification	Color	Description
1. 2	Keypod	Orange / Orange	Connect to SOS button
3. 4	MIC-,MIC+	Black / Red	Connect to Microphone
5	TX	Green	Sending data (TX) / backup
6	RX	White	Receiving data (RX) / backup
7	GND	Black	Ground wire
8	MOTOR	Yellow	Connect to relay control line
9	ACC	White	Connect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

Notes of the relay wiring

The relay wiring of pump: oil connectors of both ends are a fine white line (85) and a fine yellow line (86). The fine white line (85) is connected to vehicle 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).

4.4 Device wiring diagram



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

4.5 Power/ACC/Tele-cutoff(petrol/electricity) control line (4 pin)

1. Your device comes with a power cord and is designed to use only manufacturer-specified original device. The red line is positive while the black one is negative (the side should not be connect with ground wire).
2. The ACC line (white) connects to ACC switch of the vehicle. Please be sure to connect the ACC line; otherwise the device will enter ignition detection

status when disconnect the ACC line. If you don't need to anti-theft temporarily, just connect the ACC line to the positive side in parallel.

3. Tele-cutoff (petrol/ electricity) control line (yellow) is connected to pin 86 of the Tele-cutoff (petrol/ electricity) relay (equal to 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 insert a valid SIM card and connect all the wires, turn on the device, then Power LED will flash first, During signal searching process, GSM and GPS LED will flash. Once GPS LED keeps solid light, it means the device has been located and it starts to work.

Power off: Just turn off the power switch.

The device will begin to upload positioning data to server once inserting a valid SMS card and power on. During the working time, it can upload data to server every 10 seconds.

6. Web based tracking online activation

The GPRS web based tracking platform allows real time tracking with the latest Google maps. There is also a playback feature that allows you to view where the vehicle has been in the past making it ideal for fleet management.

7. Trouble shooting

If you are having trouble with your device, try these troubleshooting procedures before contacting a service professional.

Problems	Causes	Solutions
Fail to connect platform	The fuse blows	Replace the fuse
	ACC ignition disconnected	Turn on ACC with key
Fail to connect network	Wrong installation of SIM card	Check SIM card installation (Refer to 4.1 Install SIM card)
	Filth on the SIM card iron surface.	Clean it
	Useless SIM	Contact internet service provider
	Improper installation	Check installation of device (Refer to 4.2 Install the device)
	Beyond GSM service area	Use it in effective GSM service offer area
	Bad signal	Try again in a better signal area
Fail to charge	The voltage is unsuitable	Connect with power with suitable voltage
	Improper connection	Check connection with charger

Warranty Instructions and Service

1. The warranty is valid only when the warranty card is properly 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.

Maintenance Record

Date		Serviced by	
Product Model			
IMEI Number			
Fault Descriptions			
Comments			

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