JimiloT VL802 LTT Cat 1 and GSM Vehicle Terminal User Manual

VL802
LTT CAT 1 & GSM VEHICLE TERMINAL
User Manual
V1.0

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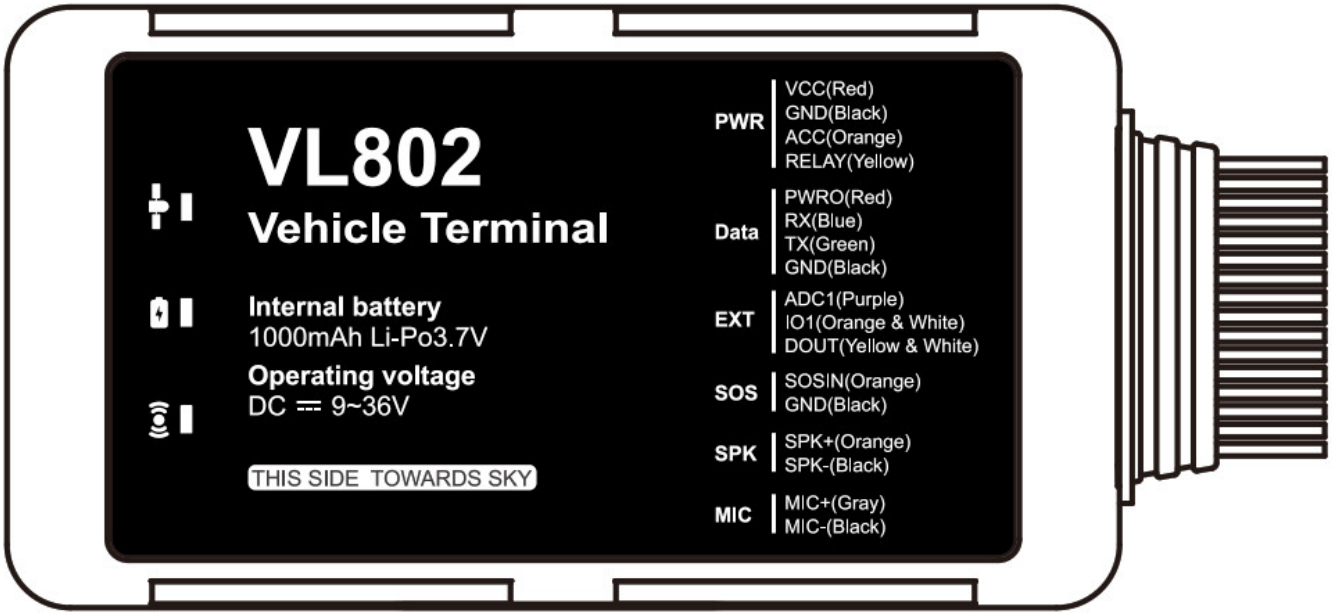
Product overview



VL802 LTT Cat 1 and GSM Vehicle Terminal

Position tracking
GPS & LBS positioning
Real-time location query
Anti-theft
Ignition detection
Power/Fuel cut-off
SOS emergency call
Power supply disconnection alert
Geo-fence alert
Towing alert
Vibration alert
Configurable peripherals
Vehicle door status alert
Turn light/buzzer triggering
Fuel level monitoring
Temperature monitoring
Driver behavior monitoring

Specification

Frequency	**VL802-E:** LTE-FDD: Bl/B3/B7/B8/B20/B28 LTE-TDD: B34/B38/B39/B40/B41 GSM: 850/900/1800/1900MHz **VL802-L:** LTE-FDD: Bl/B2/B3/B4/B5/B7/B8/B2E GSM: 850/900/1800/1900MHz
GNSS Type	MTK all-In-one multi-GNSS SOC
Sensitivity	Cold start: <32s Hot start: <is
Position Accuracy (CEP50)	Autonomous: <10m
Dimensions	106mm x 56.8mm x 22mm
Weight	104g
Backup Battery	Li-Polymer, 300 mAh
Operating Voltage	9V to 36V DC
Operating Temperature	-30°C to +70°C
	-30°C to +85°C for storage
Transmit Protocol	TCP

Product setup

Insert SIM
Remove the soft plug on one side of the device and insert the SIM card into the card slot.
Power on & off
Toggle the power switch besides the SIM slot to power on or off the device.

LED indications

Power Status (Red)

Behavior	Meaning
On for 0.1s and off for is	0%.–20% remaining battery
On for 0.1s and off for 4s	20*–1000/0 remaining battery
Solid on	Power supply connected

GNSS Status (Blue)

Behavior	Meaning
On for 0.5s and off for 0.5s	GNSS synchronizing
On for 2s and off for 4s	Positioning
On for 0.1s and off for 4s	Positioned
Off	GNSS module is in sleep mode or not working

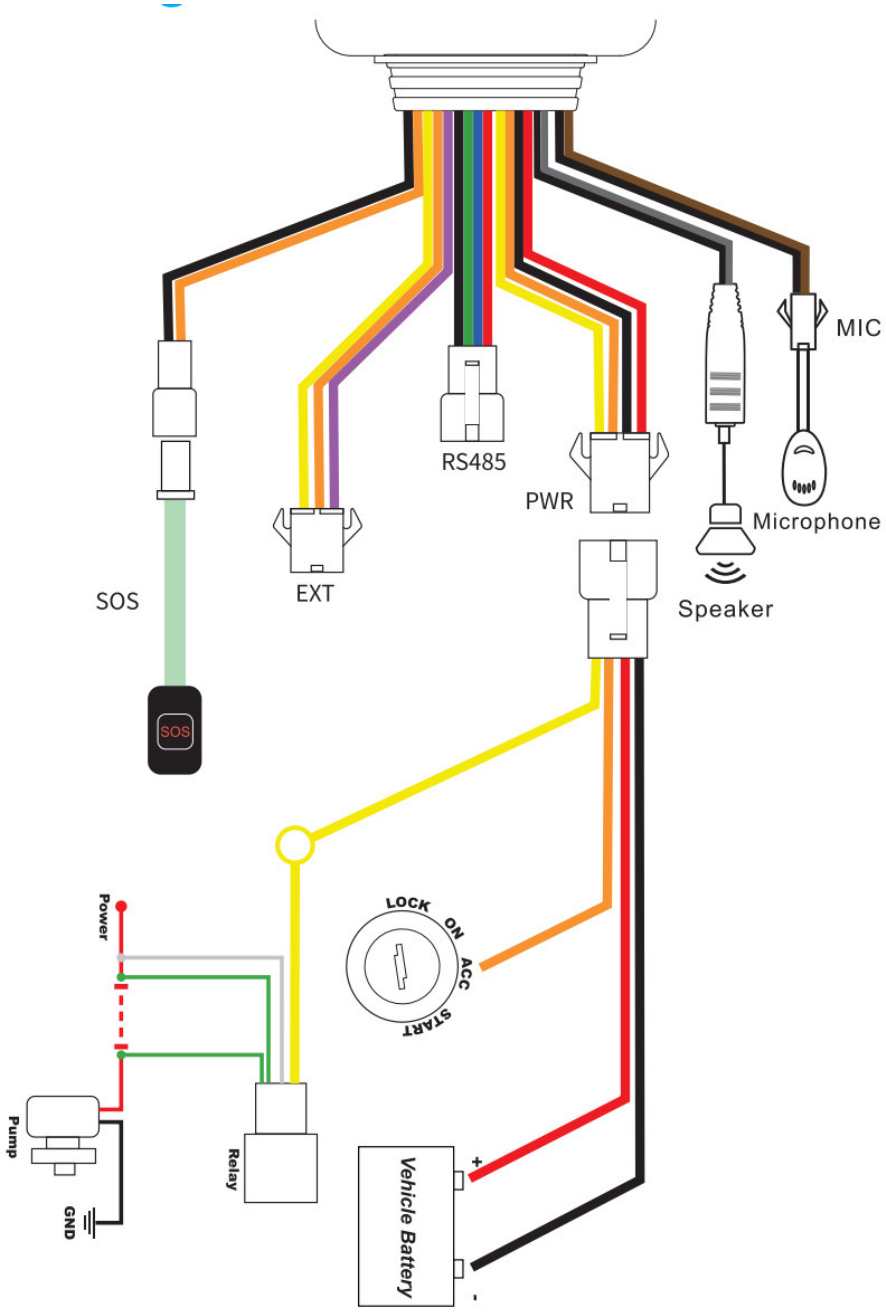
Wireless Network & SIM Card Status (Green)

Behavior	Meaning
On for 0.5s and off for 0.5s	SIM card not recognized
On for 2s and off for 4s	Registered but no inbound acknowledgement
On for 0.1s and off for 4s	Network connected
Off	No signal received or no SIM card detected

Interfaces

DWR	Red	DC 9 to 36v input
	Black	GND
	Yellow	Relay control to cut vehicle fuel support
	Orange	Vehicle ignite 12V/24V detection
TTL	Blue	TTL TX
	Green	TTL RX
	Red	DV 5V output max.500mah
	Black	GND
EXT	Purple	Analog detect Ov to 30v
	Orange	GND trigger digital input
	Yellow	Extend relay control
SOS	Orange	GND trigger digital input for SOS function
	Black	GND
MIC	Brown	Microphone
	Black	GND
SPK	Grey	Speaker
	Black	GND

Wiring indication



Power connection

The standard power supply ranges from 9V to 36VDC. During installation, negative side should connect to the ground. Do not connect with other ground wires simultaneously.

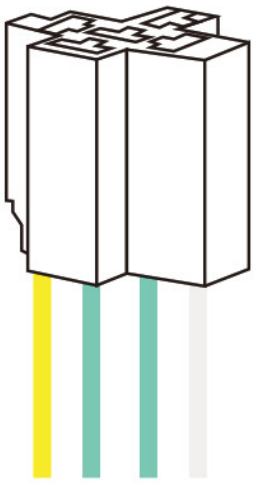
Ignition wire

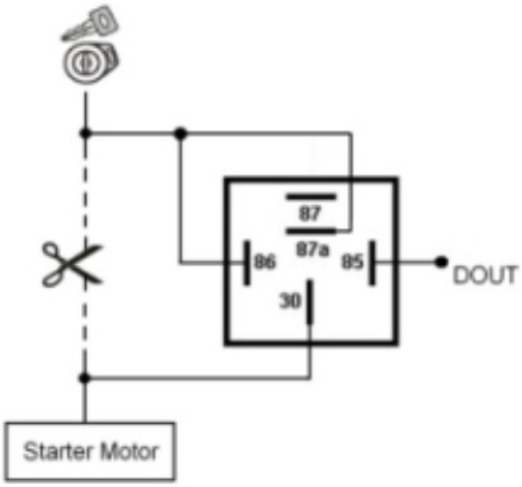
ACC line (orange) connects to vehicle' s ACC, detecting ignition. Be sure to check if it' s a real ignition wire i.e.power does not disappear after starting the engine.

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.

Configuration

If you need to change the setting of the device, you can either text the command to the device, or use PC tool from supplier. Note: Texting command might be filtered by local carrier network deployment. In this case you can text through web management center provided by the carrier.

Common commands

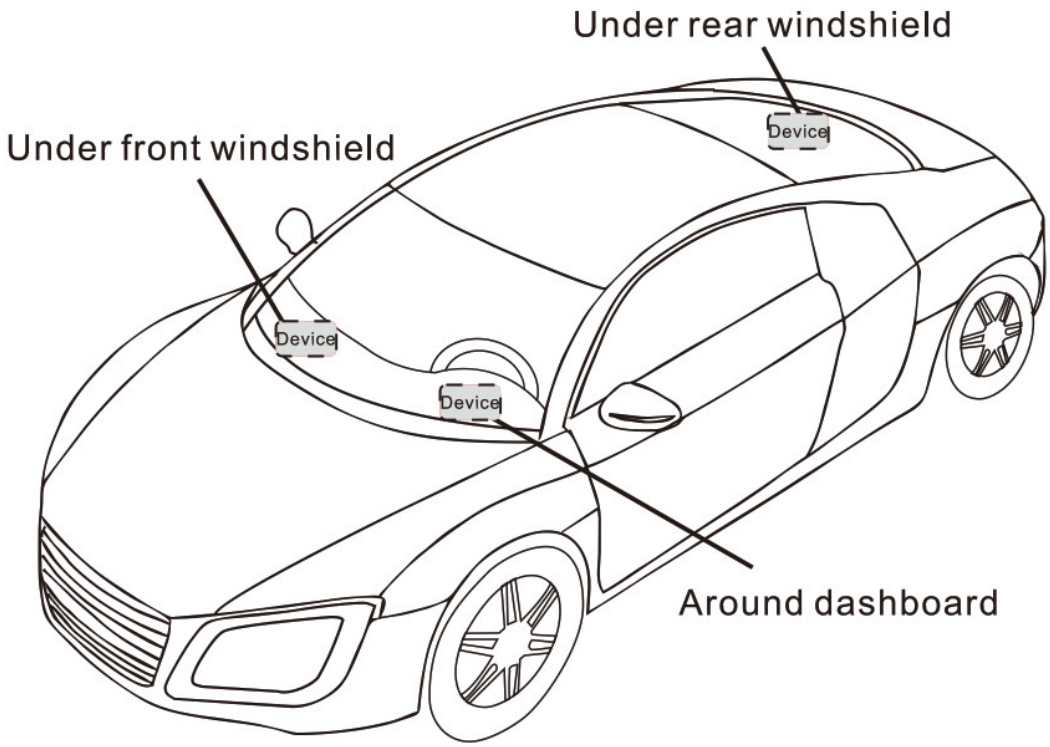
Comman	Description	Remark
APN	Set APN	In most countries, MN could be automatically adapted to local m obile operators. If not, please confirm your APN and do the setti ng. APN, ApnName# or APN, ApnName,User,Password# Auto set APN will be turned off when set APN manually. APN# Query current APN
I SERVER	Platform server setting	If you need to use your own server, make sure you have change d the server setting. SERVER,1,domain name,port# SERVER,0,IP,port# Default: SERVER,1,GPSDEV. TRACKSOLID.COM,21102# SERVER# Check the current sever settings

Command	Description	Remark
PARAM	Query device parameters	
GPRSSET	Query platform server and APN Setting	
STATUS	Query status	

Package & Standard accessories

Standard package
VL802 device
Power cable
I/O cable
Relay (12V/24V)
SOS button 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 netwo rk blind area. Check the balance of SIM card.
Unable to 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.

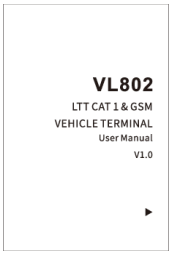
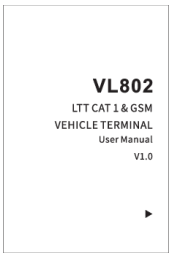
Warranty instructions

1. The warranty is valid only when the warranty card is 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		Service by	
Product Model			
IMEI Number			
Fault Descriptions			
Comments			

Documents / Resources

	**JimiloT VL802 LTT Cat 1 and GSM Vehicle Terminal** [pdf] User Manual VL802 LTT Cat 1 and GSM Vehicle Terminal, VL802, LTT Cat 1 and GSM Vehicle Terminal, GSM Vehicle Terminal, Vehicle Terminal, Terminal
	**JimiloT VL802 LTT CAT 1 and GSM Vehicle Terminal** [pdf] User Manual VL802, 2AMLF-VL802, 2AMLFVL802, VL802 LTT CAT 1 and GSM Vehicle Terminal, LTT CAT 1 and GSM Vehicle Terminal, CAT 1 and GSM Vehicle Terminal, GSM Vehicle Terminal, Vehicle Terminal, Terminal

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