



## OT-VL03 Installation Guide

# Introducing your Device

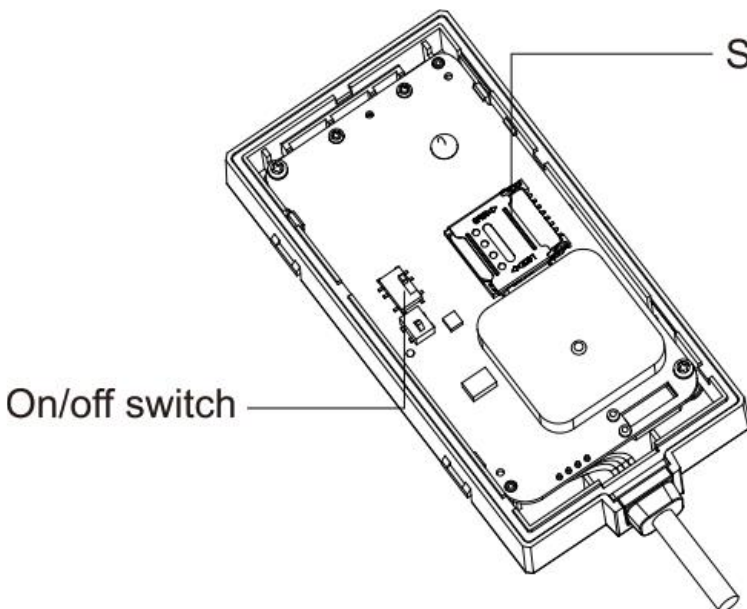
Learn about your OT-VL03's layout, indications, and specifications.

## 1. Inside the Box

Check your product box for the following items:

- Devices and Relay
- Wiring harnesses
- Wiring connectors
- Zip-ties
- User Manual

## 2. OT-VL03 Overview



### 3. LED Indicators

#### Power Status (Red)

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On for 0.3s and off for 0.3s	Low power
On for 1s and off for 3s	Fully charged
On for 0.1s and off for 3s	Working normally
Solid on	Charging (Higher priority than the status of low power)
Off	Battery is exhausted/Internal failure

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#### GNSS Status (Blue)

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On for 0.3s and off for 0.3s	Searching GNSS signal
Solid on	Positioned
Off	GNSS module is in sleep mode or not working

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#### Cellular Status (Green)

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On for 0.3s and off for 0.3s	Network initializing
On for 1s and off for 3s	Receiving signal normally
On for 0.1s and off for 3s	Network connected
Solid on	Calling
Off	No signal received/No SIM card detected

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## 4.0 Getting Started

Your device has the SIM Card installed already and is ready for use. All that needs to be done now is to choose a location to mount the device, wire it to a 9-90 volt power source, and then power on the device via the toggle switch and close the cover.

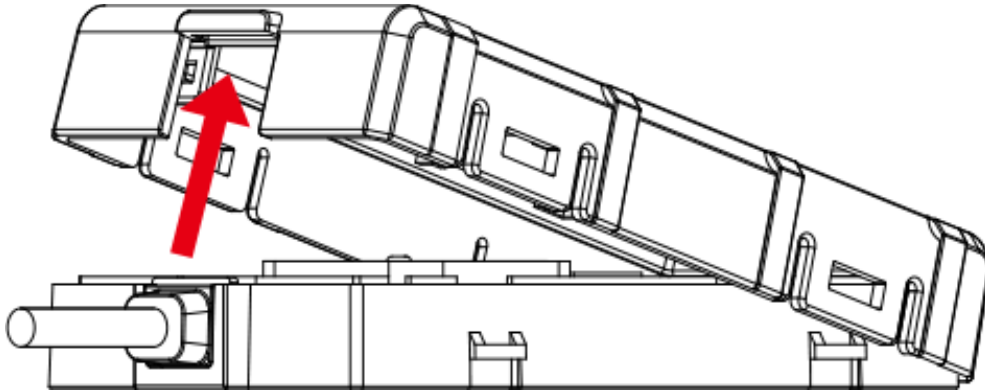
When choosing a location to mount, keep in mind the device needs to communicate with GPS satellites and Cellular Networks. Under the dash, or inside the dash is typically the best location to mount.

You can use zip ties to secure the device into place.

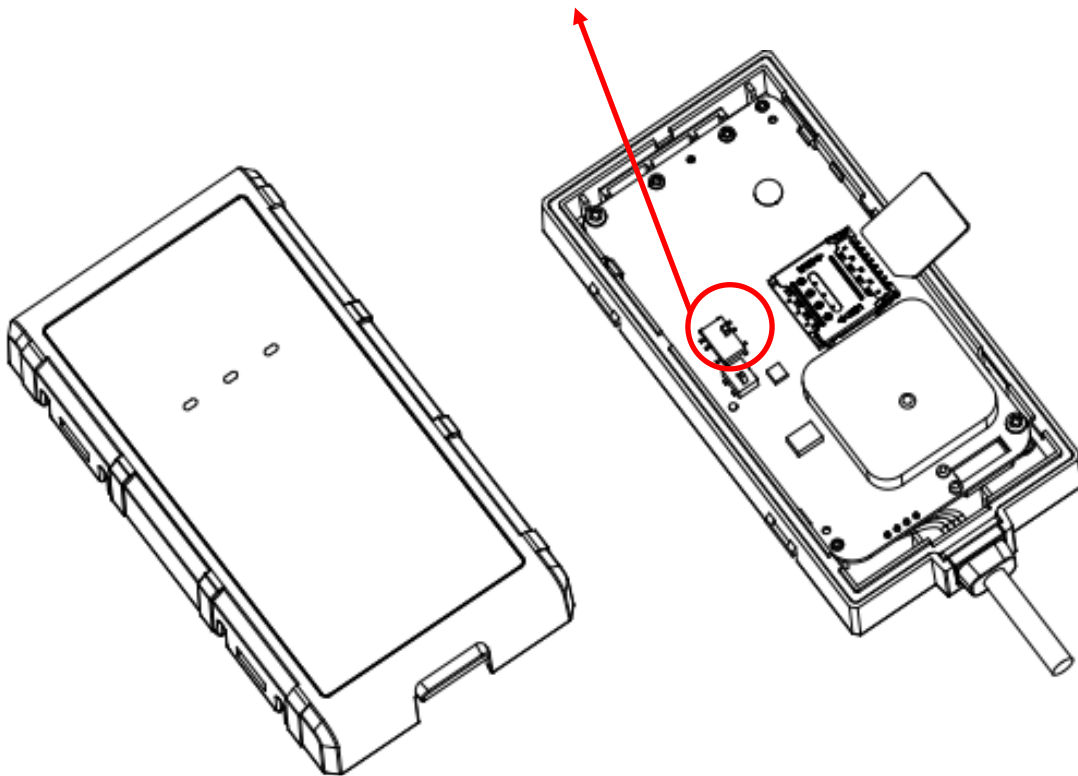
## 4.1 Getting Started

The units have **NOT** been powered on – to power on, power off, or reset the unit, open the cover and slide the toggle switch to the **ON** position.

Step 1 - Remove the upper cover of the device.

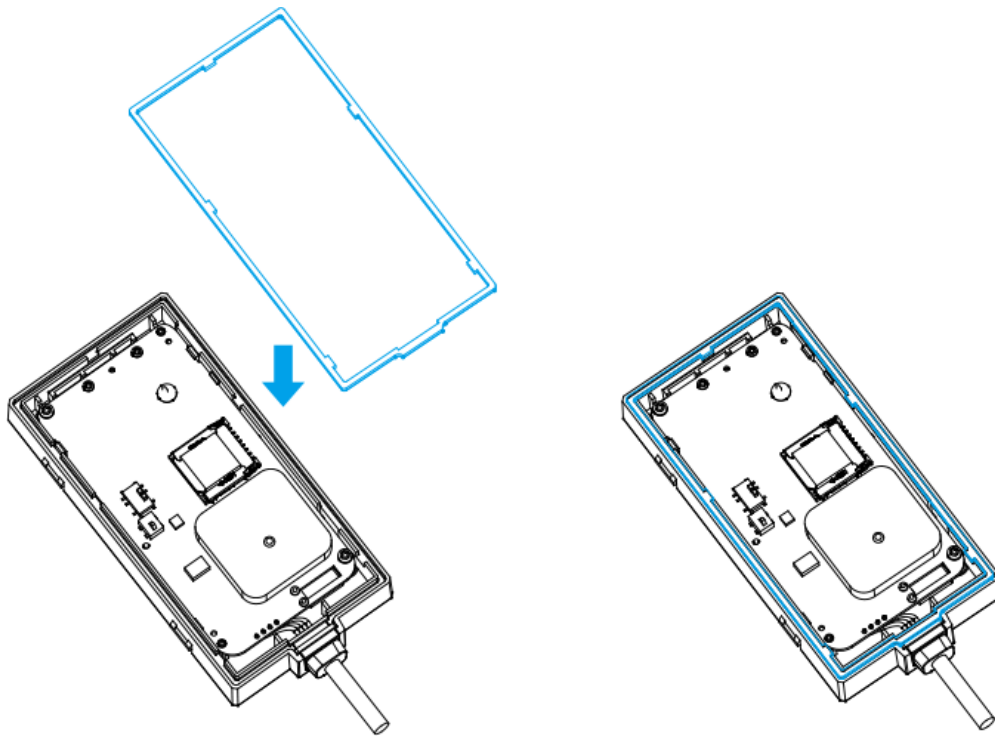


Step 2 – Toggle the on/off switch to **ON**.

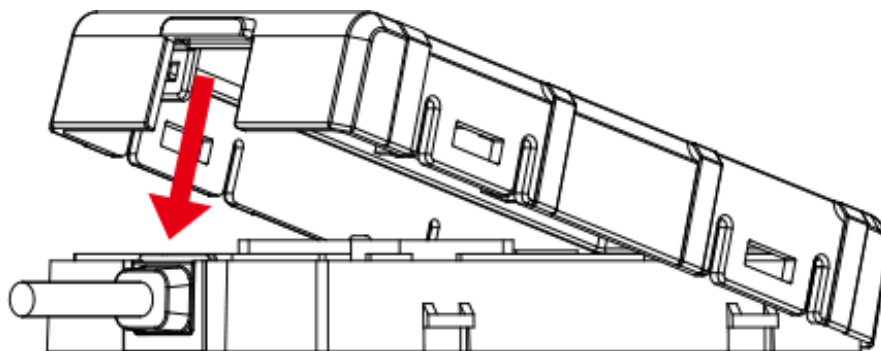


## 4.1 Getting Started

Step 3 – Ensure the rubber gasket is installed in place.



Step 4 – Press the upper case back in place and make sure all five clips are secured with the lower case.



## 5.0 Wiring

Our suggestion is to connect all wires behind the key switch if the appropriate voltage sources and ground is available.

### **5.1 - Wiring harness from unit (Please review diagram on page 8):**

Red wire – Connect to constant voltage source of 9-90V.

Black wire – Connect to ground or negative side of battery terminal.

Orange wire – Connect to switched voltage source. Confirm that when the key switch is on, that you are receiving voltage and when it is off, there is no voltage.

Yellow wire – Optional. Only used if you are subscribing to the Cart Lockdown Service.

### **5.2 - OPTIONAL: Relay and the wiring harness (Please review diagram on page 9):**

**\*\***(Only applicable if subscribed to the Cart Lockdown Service)

To install the relay – Find the fuel pump positive power source or the positive side of the constant voltage source from the battery to the key switch. Constant means that there is power flowing through it regardless of if the cart is turned off.

White wire (85) – Connect this to the positive side of the power source. You will need to either cut the positive side going to the fuel pump or cut the positive side of the constant voltage source. Keep in mind that if you tapped into the constant source for the unit wiring harness, you now need to cut wire after that connection.

Yellow wire (86) – This connects to the yellow wire from the wiring harness of the unit.

Green wire (87A) – This also connects to the constant positive side of the power source, but make sure it is after the White wire from the relay, and possibly the Red wire from the wiring harness.

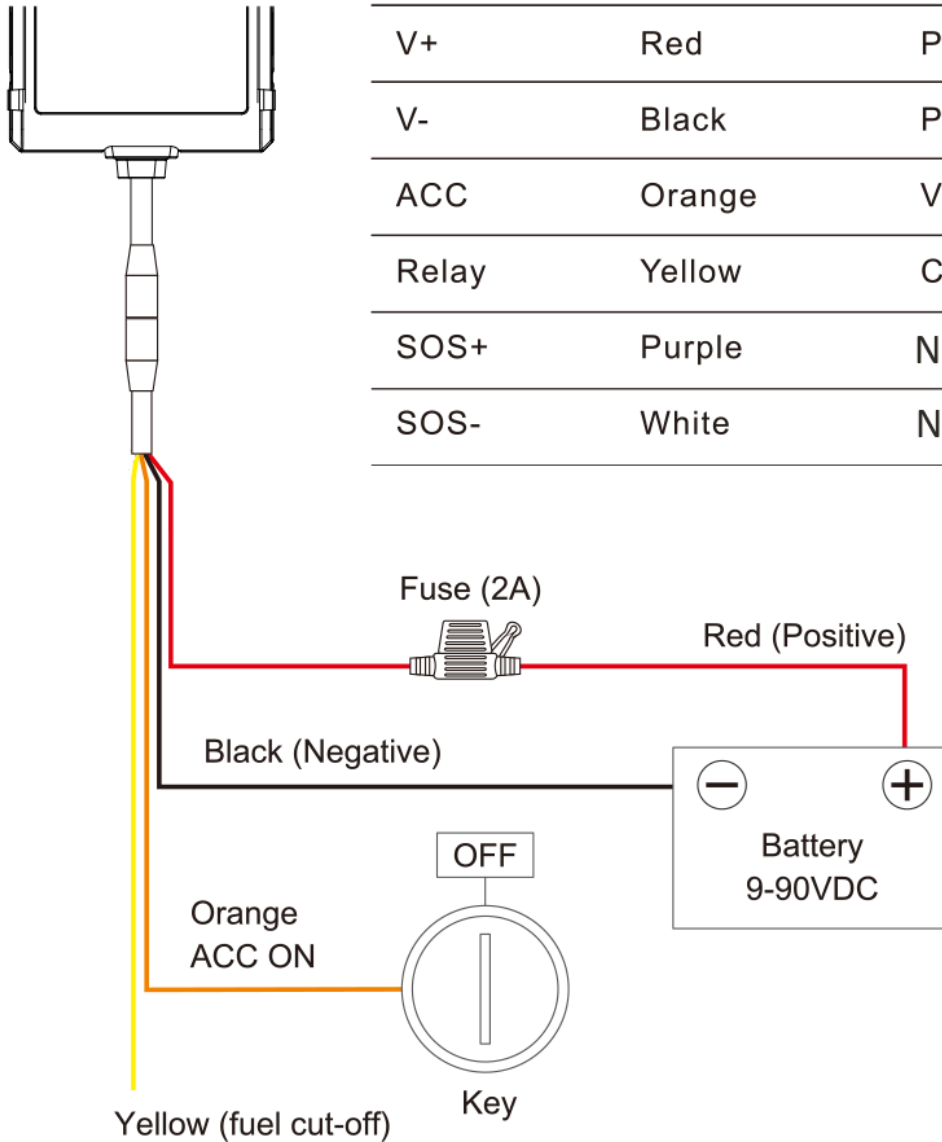
Green wire (30) – This will then connect to the power source wire that has been cut closest to the fuel pump or the physical key switch.

To splice into existing wires, use the Run Tap or T-Tap connectors. Instructions on how to use the Run Tap connectors can be found on this [YouTube video](#).

## 5.1 Wiring Diagram

### 6 Pin Standard Version

Interface	Color	Description
V+	Red	Power + (9-90V)
V-	Black	Power - Ground pin
ACC	Orange	Vehicle ignition detection
Relay	Yellow	Cut-off vehicle fuel supply
SOS+	Purple	Not used
SOS-	White	Not used





## 5.2 Wiring Diagram with Optional Fuel Cut-Off

### Power connection

The standard power supply ranges from 9V to 90V.  
During installation, negative side should connect to the ground.  
Do not connect with other ground wires simultaneously.

### Ignition wire

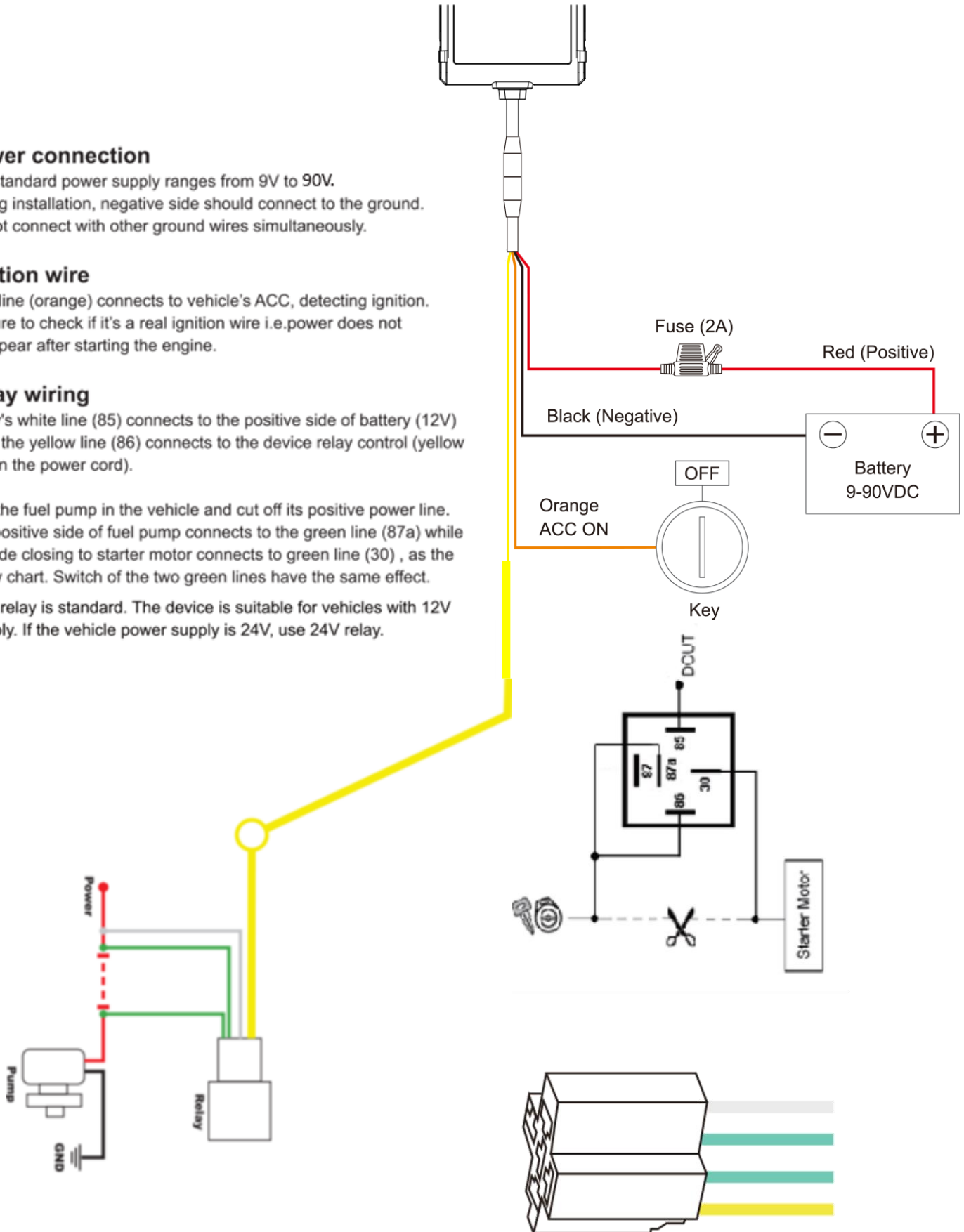
ACC line (orange) connects to vehicle's ACC, detecting ignition.  
Be sure to check if it's a real ignition wire i.e.power does not disappear after starting the engine.

### 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.



## 6.0 Troubleshooting

If you are having trouble with your device, try these troubleshooting procedures.

Problems	Causes	Solutions
Red LED does not work when power connected	The fuse blows	Replace the fuse
Fail to connect network	Wrong installation of SIM card	Check SIM card installation ( ▶ 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( ▶ 4.4 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