## FCC Regulations:

- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

  —Reorient or relocate the receiving antenna.

  —Increase the separation between the equipment and receiver.

  —Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

  —Consult the dealer or an experienced radio/ TV technician for help.
- Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

## FCC RF Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. To comply with FCC RF Exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for the transmitter must be installed to provide a separation distance of at least

20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

# 1.Hardware features

| NO. | ITEM | Parameter |
|---|---|---|
| 1 | Working Voltage | 9V~16V |
| 2 | Operating Temperature | -20℃~ +70℃ |
| 3 | Storage Temperature | -40℃~ +85℃ |
| 4 | Cellular module | Quectel BG96MC-128-SGNS |
| 5 | Network type | LTE-Cat-M1 Band 2/4/12 |
| 6 | Network Antenna | internal |
| 7 | Interface | OBD Connector（SAE J1962,16 pin standard OBD II） |
| 8 | OBD protocol | ISO 15765-4 (CAN)<br>ISO 14230-4(Keyword protocol 2000)<br>ISO 9141-2<br>SAE J1850 PWM<br>SAE J1850 VPW |
| 9 | Positioning method | GPS,GLONASS |
| 10 | GNSS antenna | internal |
| 11 | G-Sensor | 3-axis accelerometer |
|  | LED | 1 Bi-colour light |
| 12 | SIM | Micro SIM (3FF) |
| 13 | Dimensions (L x W x H) | 57mm×48mm×27mm |

# 2. Hardware description

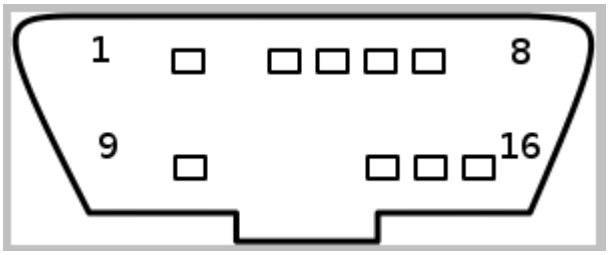
## 2.1 External view

(1)LED


(2) OBD connector

## 2.2 OBD connector pin out

| Pin# | Comment |
|---|---|
| 1 | NC |
| 2 | J1850_BUS+ |
| 3 | NC |
| 4 | GND |
| 5 | GND |
| 6 | HS_CAN_HI |
| 7 | K-LINE |
| 8 | NC |
| 9 | NC |
| 10 | J1850_BUS- |
| 11 | NC |
| 12 | NC |
| 13 | NC |
| 14 | HS_CAN_LO |
| 15 | L-LINE |
| 16 | Battery voltage |




## 2.3 Insert the SIM card

The notch of the SIM card faces outwards.

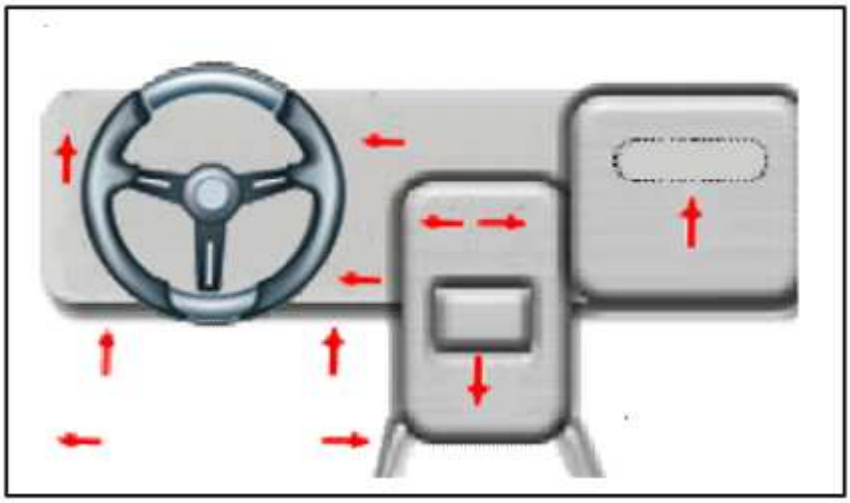
# 3. Account Creation and Verify Device process

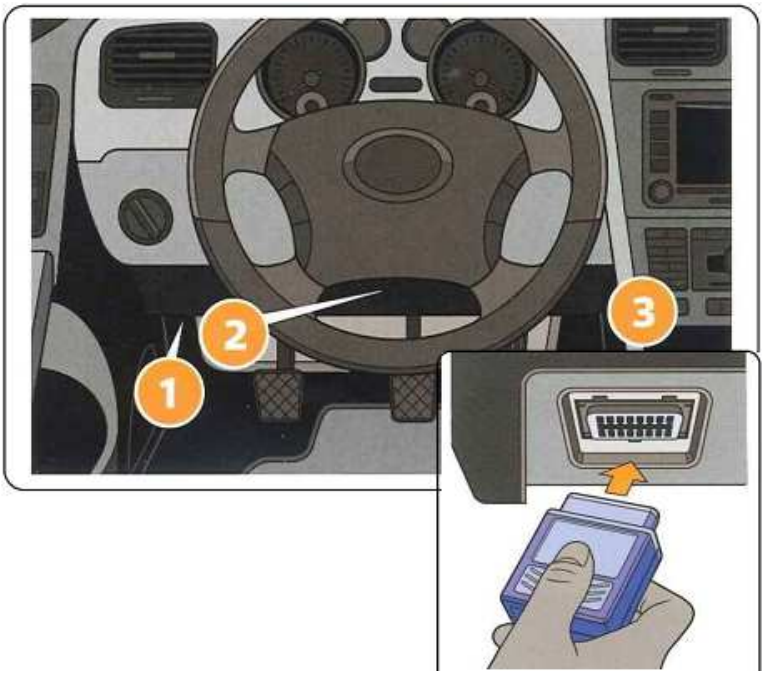
1. Go to http://vyncs.com.
2. Hover your cursor over LOGIN at the top of your screen and click on CONSUMER in the drop down menu.
3. If you have purchased the device from vyncs.com and already created an account, type in your username and password that you chose and click on “Log in”. Note that both username and password are case sensitive. If you purchased from Amazon or ebay or other ecommerce sites and never created a Vyncs account, please follow from the Step 4 below.
4. On the Login page, click on the “Sign Up” button located at the bottom middle of the page.
5. The Sign Up button will bring you to the Validation page. To validate your device, type in the IMEI of the device in the box to the left of the Validate button. Your device’s IMEI is 15 digits long and will start with the numbers 86237XXXXXXXXX and can be located on the back of the device. Click on “Validate” to finish the process. Note: write your IMEI number down or keep your device nearby as you will need it again soon.
6. Once your device is validated, you will be brought to the Account Creation page. Just enter your information into the fields on the page and click on the Register button located at the bottom of the page.
7. After you create your account, you will receive a Welcome Email at the email address you specified during account creation. The Welcome Email will contain a link to finish your account creation process. Click on the link in the email and you will be brought to the Login page.
8. Login using the Username and Password you setup during account creation. This will take you to the Account Unlocking page.
9. To unlock your account, you will need to enter your device’s IMEI once more, and agree to the End User License Agreement.
10. Almost done! In order to start getting location and trips, you will need to create a vehicle and driver.
11. Once you have unlocked your account, you will be taken to the Vehicle Add/Edit page. Click on the Add Vehicle button. This will display a window where you will need to enter your vehicle’s information such as make, model, year, VIN, etc… Towards the bottom of this window, you will also need to enter your device’s IMEI one last time.
12. On the right side of this window, you will also need to create a new driver. Similar to the vehicle creation process, just enter the driver’s information. Once you are done, click on the Save button. Note that Driver ID is some ID that you want to use to remember who is driving.
13. Now that your account is created and setup, you will need to install the OBD device into the OBDII port in your vehicle. Follow the instructions below for the device installation in your vehicle.

# 4. Installation and Ativation procedures

1. Make sure vehicle is in open view of the sky. Parking garages and similar structures will make it difficult to sync your device.

2. Locate the OBD-II port in your vehicle. The OBD-II port is typically found near the dashboard usually at one of eleven locations in your vehicle as shown in the Figure to the right. In many vehicles the port is located under the steering wheel and above the gas pedal. The OBD-II port has a trapezoidal shape. As of 1996, vehicles sold in the United States are required to have an OBD-II port. In Europe, as of January 1, 2001 petrol (gasoline) engine vehicles sold are required to have EOBD (equivalent to OBD-II) ports, whereas in India vehicles manufactured after April 1, 2013 are required to have OBD-II port.






3. Orient and hold the device in such a way so that longer side of the trapezoid on the device matches with longer side of the vehicle's trapezoidal OBD-II port.

4. Plug in the Vyncs device into the OBD-II port securely in the above orientation.

5. Start the vehicle– you should see the LEDs light up on the front of the device.
6. If for any reason you do NOT see the LEDs light up, with the device installed and engine running, unplug the device and repeat steps 3 and 4.
7. Once you see the LEDs flashing – please leave the device plugged in for at least 5 minutes.
8. If your device has a SOLID Cellular light after 5 minutes - the SYNC process is complete. If not, please POWER CYCLE (Instructions below) to restart SYNC process. Power LED will be solid red. OBD LED will be slowly blinking. If you cannot see the LEDs during daytime, ignore this step and follow the step below.