

OBDII BLE User Manual

FOSEAL

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Safety Precautions

To prevent personal injury or damage to vehicles and/or the OBDII BLE, please read this user's manual first:

- Always perform automotive testing in a safe environment.
- Do not attempt to operate or observe the tool while driving a vehicle. Operating or observing the tool will cause driver distraction and could cause a fatal accident.
- Operate the vehicle in a well-ventilated work area: Exhaust gases are poisonous.
- Put blocks in front of the drive wheels and never leave the vehicle unattended while running tests.
- Don't connect or disconnect any test equipment while the ignition is on or the engine is running.
- Keep the item dry, clean, free from oil/water or grease. Use a mild detergent on a clean cloth to clean the outside, when necessary.

1. INTRODUCTION

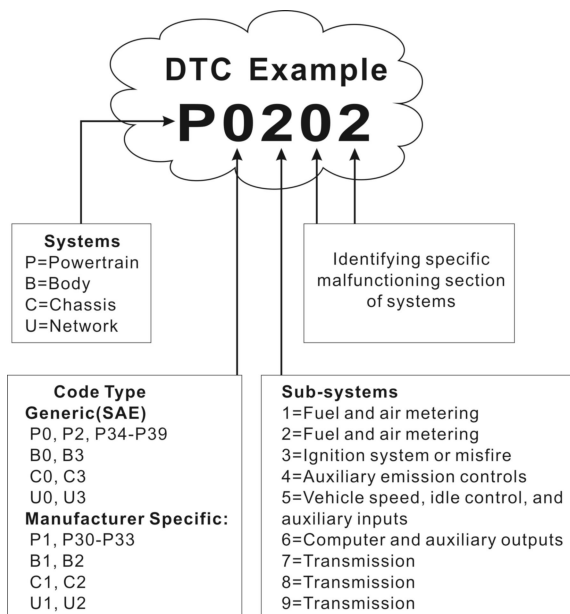
The item is specially developed for cars and light vehicles, which supports all 10 modes of OBDII test (EVAP, O2 Sensor, I/M Readiness, MIL Status, VIN Info, and On-board monitors testing etc.) for a complete diagnosis and using with a suitable app this item enables users to read DTCs, clear DTCs and view the live engine data stream with a live color graphing on their smart phones or tablets with iOS or Android systems. It covers a wide range of vehicles since it offers multiple data bus protocols, such as CAN, J1850 PWM, J1850 VPW, ISO9141 and KWP2000.

2. General Information

2.1 On-Board Diagnostics (OBD) II

The OBD II system is designed to monitor emission control systems and key engine components by performing either continuous or periodic tests of specific components and vehicle conditions. When a problem is detected, the OBD II system turns on a warning lamp (MIL) on the vehicle instrument panel to alert the driver by the phrase of “Check Engine” or “Service Engine Soon”. The system will also store important information about the detected malfunction so that a technician can accurately find and fix the problem. Here below follow three pieces of such valuable information:

- 1) Whether the Malfunction Indicator Light (MIL) is commanded ‘on’ or ‘off’;
- 2) Which, if any, Diagnostic Trouble Codes (DTCs) are stored;
- 3) Readiness Monitor status.



3. Product Descriptions

3.1 Specifications

- Connection Type: Bluetooth
- Chip: elm327 BLE 4.0
- Input voltage range:: 9V~16V
- Operating current: 85mA
- Standby Current: 20mA
- Operating temperature: -40℃~85℃
- Humidity: < 60%
- Outline dimension: 1.65*1.25*0.78inch / 41.8*31.7*19.7mm

3.2 Package include

- Main Unit
- User's Manual -- Instructions on tool operations

3.3 Power supply

The power of the item is provided via the vehicle's Data Link Connector (DLC).

4. Connections & General Operations

4.1 OBDII adapter connection

1. Plug the OBD 16PIN Diagnostic adapter to the vehicle's diagnostic socket;
2. Turn the ignition on. Item is powered and red light goes on
3. Download an app and connect to ECU.
4. There are more instructions on apps about the functions

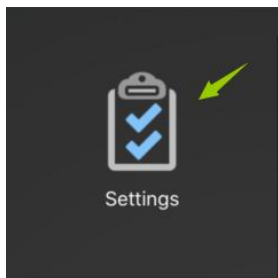
4.2 Compatible apps and connections

OBDFusion, Dashcommand, Auto Doctor(lite version is free) for iOS phones and tablets

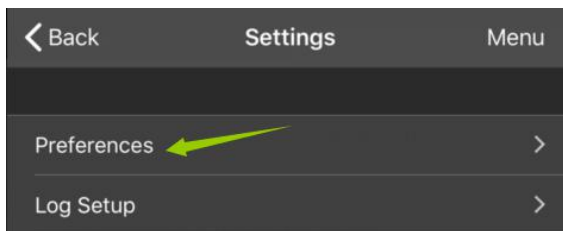
Torque App for Android phones and tablets (Lite version is free)

How to connect OBD Fusion to ECU

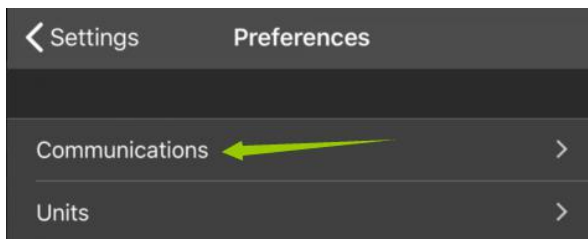
1. Turn on Bluetooth on Cell phone or Tablets, but **DON'T** pair device here
2. Click settings



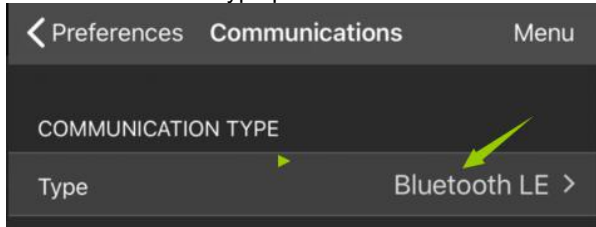
3. Click preferences



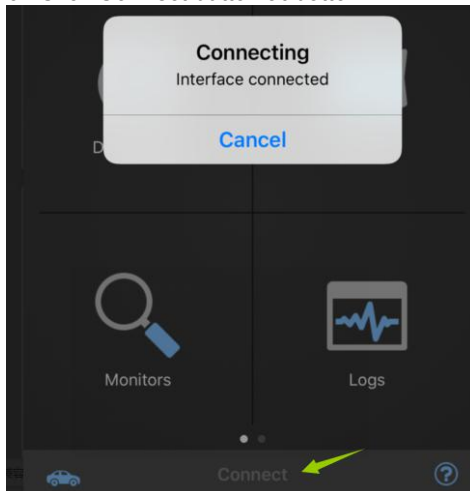
4. Click communications



5. Communication Type please choose Bluetooth LE

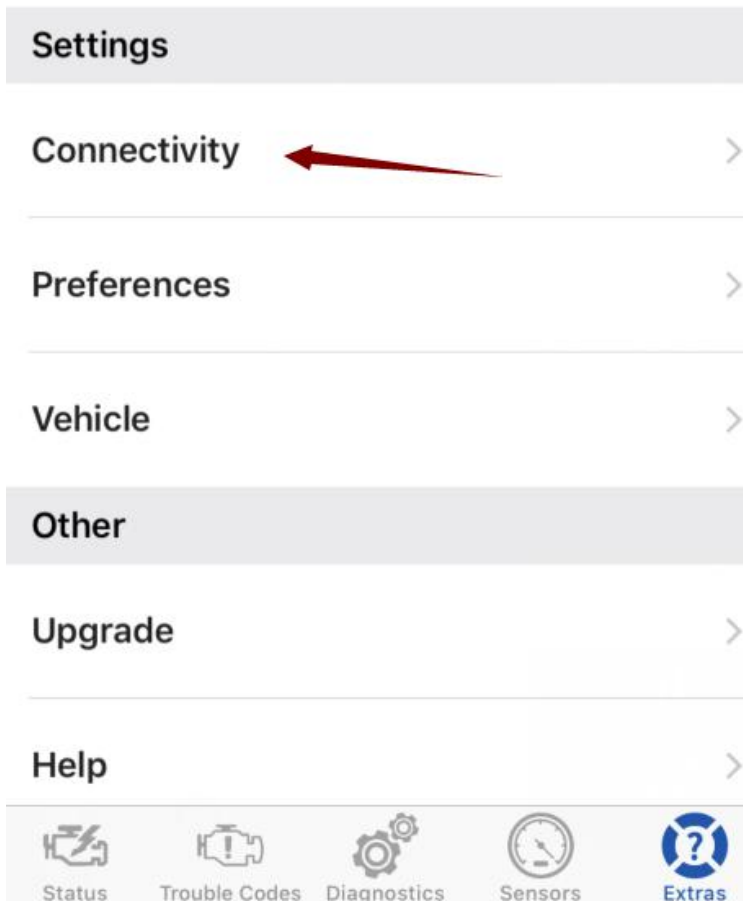


6. Click Connect button at bottom



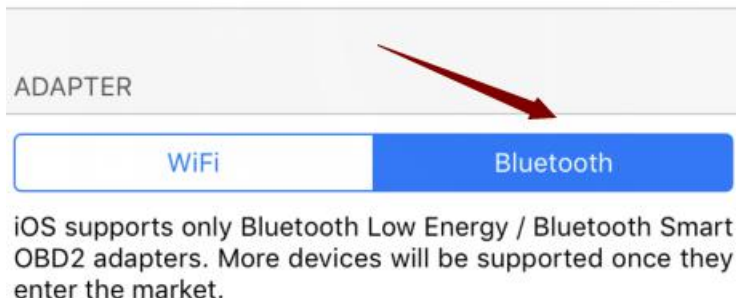
How to connect Auto Doctor to ECU

1. Turn on Bluetooth on Cell phone or Tablets, but **DON'T** pair bluetooth device yet
2. Click Extras/Connectivity



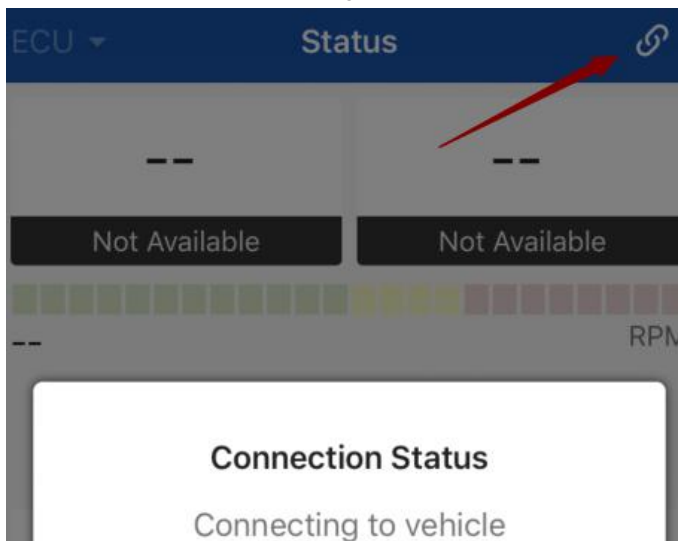
3. Choose Bluetooth

4. Click Device and Choose **Viecar BLE**



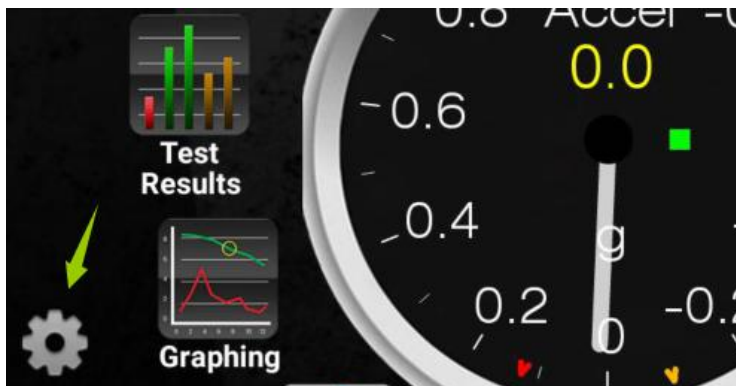
Device  Viecar BLE

5. Click the chain mark on top right corner

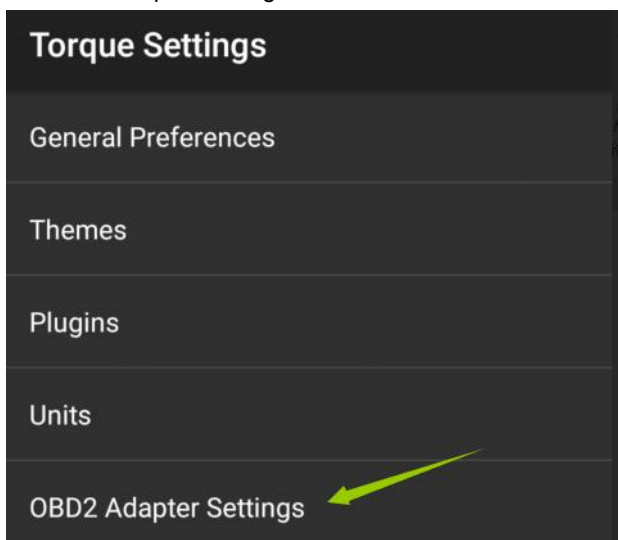


How to connect Torque to ECU

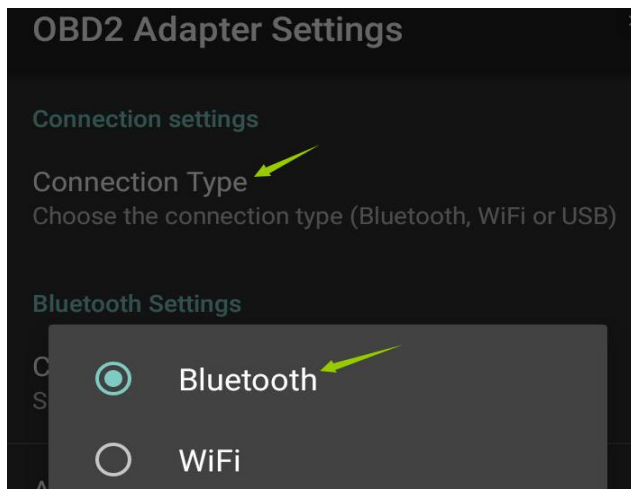
1. Turn on Bluetooth on your Cell phone or Tablets and pair with **OBDII**
2. Open Setting page



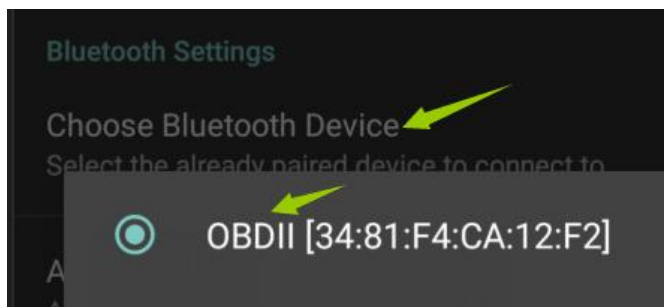
3. OBD2 Adapter Settings



4. Connection Type / Choose Bluetooth



5. Bluetooth settings / Choose Bluetooth Device OB2II



CAUTION: Don't connect or disconnect any test equipment with ignition on or engine running.

6. FAQ

Here we list some frequently asked Questions and answers relating to this OBDII BLE adapter.

Q: When selecting the unit from the bluetooth menu, I get error on my iphone - "pairing unsuccessful"

A: Please **Don't** pair with OBDII from the ios Bluetooth setting. Choose bluetooth connection type on app OBD Fusion or Auto Doctor and select **Viecar** in Device list, then it will connect.

Q: I followed the instructions, but cannot connect to ECU

A: Please 1. Unplug the OBDII BLE device 2. Quit app 3. Remove the OBDII from the Bluetooth list on phone settings page (Android devices only) 4. Disable bluetooth of the phone, 5. Wait for a few seconds. 6. Repeat the connection steps.

Q: Will this (with the correct iOS app) read ABS codes

A: No, ABS codes is not engine system data, so this OBDII scanner cannot access

Q: Is internet or cell service required to use this, and will it work on an iPhone?

A: Just Bluetooth required. iPhone works great.

Q: Does the car have to have bluetooth?

A: No, the OBDII device connects to your phone or tablet via Bluetooth and you must have an app that works with this OBDii device through Bluetooth.

Note: All pictures illustrated here are for reference and demonstration purpose only and this User's Manual is subject to change without prior notice.