

# Freematics OBD-II Emulator Quick Start Guide

Thanks for choosing Freematics OBD-II Emulator. This guide will help to get started with it. Though the emulator works standalone, it needs a computer or an iOS device as its user interface.

## PC Software

GUI software for Windows is provided for adjusting OBD-II PIDs, DTC and VIN (MAC and Linux version coming later). The software package can be downloaded from following link.

<http://freematics.com/pages/software/freematics-obd-emulator-gui/>

Please extract the downloaded zip file and run *FreematicsEmulator.exe* to launch the GUI.

To start using the emulator with PC GUI, follow these steps:

### 1. Connect DC 12V power adapter to the emulator

### 2. Plug in USB cable and connect to PC

Driver is normally automatically installed on Windows 7/8/10. For Windows XP, you may need to download and install the driver for CP2012 manually.

### 3. Use GUI software to connect with the emulator

Once the GUI is loaded, it will automatically attempt to connect with the emulator. Once connected, the *Connect* button will turn into *Disconnect*.

### 4. Plug in your OBD-II device (with OBD-II male connector) into emulator's OBD-II female port

Your OBD-II device should then work as if plugged in the OBD-II port of a real car. You can use the GUI to change the value of OBD-II PIDs, readiness monitors, diagnostic trouble code (DTC) and VIN

## iOS App

The emulator can be controlled and configured wirelessly through BLE (Bluetooth Low Energy) by *Freematics Emulator App* (available in App Store) from an iOS device.

To start using the emulator with Freematics Emulator iOS App, follow these steps:

### 1. Connect DC 12V power adapter to the emulator

### 2. Install Freematics Emulator App

Search "Freematics Emulator" in App Store and install it on your iOS device. The app works on iPhone 4s or later and iPad 2 or later which is capable of Bluetooth Low Energy communication.

### 3. Search and connect the emulator

Click the search icon on top-right and the App will search for nearby Freematics OBD-II Emulator through BLE. The found emulators will be listed. Tap on one (or the only one) to connect.

### 4. Plug in your OBD-II device

Once connected, you will be able to use your iOS device's touch screen to adjust the value of PIDs and configure the emulator. The *Custom* tab allows you to add any supported OBD-II PIDs to the screen as a knob. This is done by tapping the top-left icon and choose the PIDs from the list.