**OBD2**

A modern car is not only mechanics but also a huge number of electronic components. Automotive scanners are designed to diagnose an electronic control unit for a car. With their help, you can not only identify the possible cause of the malfunction, but also optimize the system parameters. To diagnose auto malfunctions, special equipment is needed. Previously, each manufacturer offered their equipment for these purposes, but with the introduction of the OBD2 standard from about 2000, many universal OBD2 Bluetooth scanners appeared on the market.

The main function of any OBD2 Bluetooth scanner is to connect the car to the on-board electronics to read errors, decrypt them and delete them after troubleshooting. The range of modern diagnostic equipment is wide enough. These are universally portable and stationary multi-brand scanners. Also, these devices, regardless of class, can read from the electronic engine control unit and display the current parameters of its operation. But when buying such an OBD2 Bluetooth scanner, many people have three questions at once:

1. What Bluetooth OBD2 scanner to buy?
2. How to use the OBD2 scanner Bluetooth?
3. Does a Bluetooth OBD2 scanner need Wi-Fi to work?

Next, we will take a closer look at these issues of concern to many consumers.

**1. What Bluetooth OBD2 scanner to buy?**

In response to this question, we want to note that because of the many clones of different quality, there is a risk of running into a device with truncated functionality that will not work correctly or will not start at all. You should remember that it is the Bluetooth OBD2 adapter that provides the connection between the program and the control unit of your car, both the ability to connect to it and the quality of connection to the car depend on the correct choice of Bluetooth OBD2 adapter. So it is very important to approach the choice of OBD2 Bluetooth adapter with all responsibility. When buying, you need to consider three important points:

* Type of connection.

There are several versions of OBD2 scanners with different connection interfaces. The most common are adapters with Bluetooth, Wi-Fi, and USB. They differ not only in connectivity but also in compatibility with smartphones and computers. Otherwise, the functions are identical.

* Firmware version.

OBD2 Bluetooth adapter software is constantly being updated. On the original ELM327, the current version is already 2.2. Chinese clones are sold with firmware 1.5 and 2.1. Oddly enough, a more recent version is worse.

* Type of auto diagnostic connector.

Some machines, especially until 2000, the diagnostic connector has pads of other standards. Connecting a scanner to them directly will not work.

**2. How to use the OBD2 scanner Bluetooth?**

Using the OBD2 Bluetooth scanner, you can analyze the entire onboard network completely, as well as individual systems (for example, ignition or fuel injection control). It is possible to monitor in real-time such indicators as the number of engine revolutions, speed, oil and antifreeze temperatures, oil and fuel pressure, pressure in the intake and exhaust manifolds, airflow. By connecting the adapter to the on-board computer (directly or through an adapter), you will need to connect to it. The connection is possible via Bluetooth or Wi-Fi using a smartphone, laptop or tablet.

In many ways, the work on self-diagnosis of a machine depends on which software is used. Not every program can provide wide capabilities and functionality. But not all cars have a large number of sensors to display a lot of data on the device screen. For professional or semi-professional diagnosis of problems, quality devices are needed. These include Launch X431 Pro, Launch EasyDiag, Delphi DS150. They can not only read and delete errors but also configure cars.

*Best Bluetooth OBD2 scanner for iPhone & Android.*

Work with the scanner is carried out in special programs. For Android, the universal application for scanners is the ELM327 is Torque. For iPhone, you can use Launch EasyDiag. Professional scanners often work with proprietary software. The same Launch work with proprietary utilities, tied to the serial number of the device.

For any operating systems and any devices, we can recommend the best Bluetooth obd2 scanner which is called "Viecar Bluetooth 4". This model has a dual Bluetooth chip and supports operation via Bluetooth 2.0 (for Android) and via Bluetooth 4.0 (iPhone / iPad).

After installing the application to check and click the "Connection" button. Wait for the scan to finish and check the results.

*Types of OBD2 Scanners*

Exist two important types of OBD2 scanners that you should notice of before purchase:

1. *OBD2 - scan tools.*

You choose this type, then be prepared for the fact that you will need to pay a lot of money to purchase it. But you will get the opportunity to see in the settings all the information about the manufacturer’s codes, real and recorded data and a more detailed description of the existing problem and the method of solving it.

1. *OBD2 – code readers.*

This type can only read and delete codes from the car on which this system is installed. There are no more extended information and manufacturer codes in this configuration.

Also, the OBD2 scanner can be divided according to the connection format. Exist 3 basic kinds and yours is desirable to remember about them:

1. *Bluetooth scanners.*

The name implies, this kind works thanks to the Bluetooth connection with your mobile phone or tablet. You can also use your laptop for a more detailed scan, thanks to which you will identify existing problems and will know how to solve them.

1. *PC based scanners.*

This type of scanner can work thanks to your personal computer through the connection. These scanners can also identify and offer a solution for the breakdown of your car.

1. *Hand-held scanners.*

To this type of scanner, it is possible to detect breakdowns and problems of a wider range of systems. For example, a problem with the transmission system, brakes as well as the engine. Therefore, this type is most often used by mechanics and professionals in the field.

**3. Does a Bluetooth OBD2 scanner need Wi-Fi to work?**

Answering this question we can say with confidence that no. Judging by OBD2 Bluetooth adapter reviews from real customers the devices with Wi-Fi are not recommended. The network is most often created open without encryption; any neighbor can connect to the scanner without problems. It takes up to a minute after starting the scanner to download and deploy the network; reconnecting to a smartphone or computer often does not happen automatically. Bluetooth models are best.

Some of the best OBD2 Bluetooth adapters are BAFX Products Bluetooth Scanner, Panlong Bluetooth OBD2 Car Diagnostic Scanner, ScanTool OBDLink LX Bluetooth and BlueDriver Bluetooth Professional OBDII Scan Tool.

Each owner of a modern car should have such a device, just in case, especially since today there are different options on the market with different prices, which allows you to purchase OBD2 without any problems. OBD2 can be useful to you in any situation that at first seems simply hopeless. It is with the help of an OBD2 Bluetooth scanner that you can quickly solve problems.