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Vgate vLinker FS

Vgate vLinker FS OBD2 USB Adapter Instruction Manual

Model: vLinker FS

1. Introduction

The Vgate vLinker FS is an advanced automotive diagnostic tool designed to interface with your vehicle's On-Board Diagnostics II (OBD2) system. It allows users to access the Engine Control Unit (ECU) and other vehicle modules for troubleshooting, configuration modifications, and accessing hidden features through compatible third-party software.
This device supports the OBD2 standard, making it compatible with most vehicles manufactured in 1996 and later for the U.S. market, and 2000 (EU-based) or 2005 (Asia-based) for other regions. It is recommended for use with FORScan software.

Figure 1: Vgate vLinker FS device and its key features.

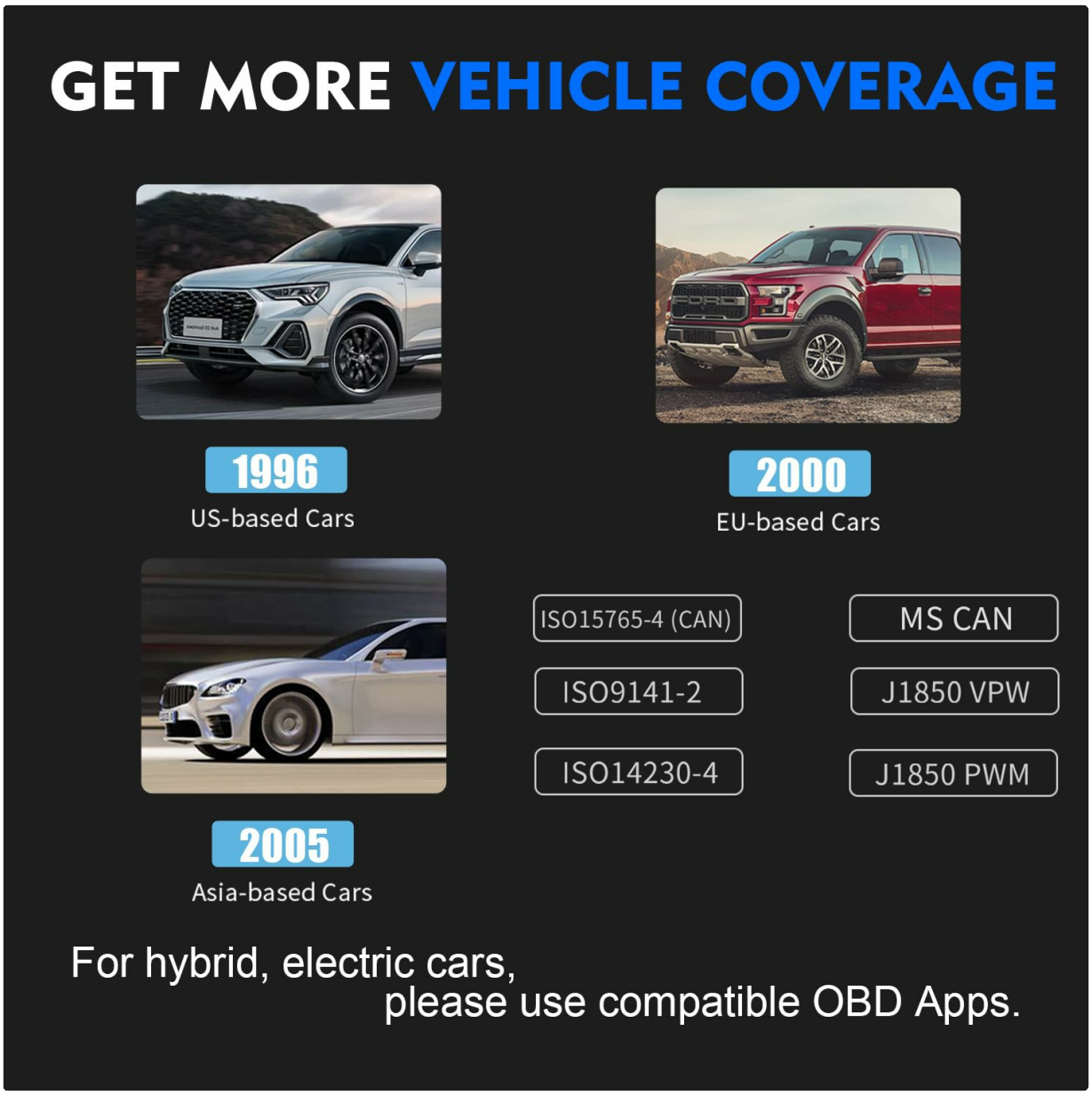

Figure 2: Vehicle and protocol compatibility of the vLinker FS.

2. Setup

2.1 System Requirements

- **Operating System:** Windows 2000/Vista/7/8/8.1/10
- **Vehicle Compatibility:** 12V/24V cars compatible with OBD2 standard.

Figure 3: System and vehicle compatibility for the vLinker FS.

2.2 Connecting the Device

1. Locate the OBD2 port in your vehicle. This is typically found under the dashboard on the driver's side.
2. Plug the Vgate vLinker FS USB adapter firmly into the vehicle's OBD2 port.
3. Connect the USB cable from the vLinker FS to your Windows computer.
4. Ensure the indicator lights on the vLinker FS illuminate, indicating power and connection.

2.3 Software Installation

The Vgate vLinker FS requires third-party diagnostic software to function. FORScan is a recommended application. Follow the instructions provided by your chosen software for installation and driver setup on your Windows computer.

Figure 4: Examples of compatible diagnostic applications.

3. Operating Instructions

3.1 Basic Operation

1. Ensure the vLinker FS is properly connected to your vehicle and computer.
2. Launch your preferred diagnostic software (e.g., FORScan) on your computer.
3. Within the software, select the vLinker FS as your communication interface.
4. Initiate a connection to the vehicle's ECU. The software will guide you through reading diagnostic trouble codes (DTCs), viewing live data, and performing other functions.

3.2 Automatic Electronic Switching

The vLinker FS features automatic electronic switching between High-Speed CAN (HS-CAN) and Medium-Speed CAN (MS-CAN). This allows simultaneous access to both CAN networks without the need for manual toggle switches, enabling access to advanced functions that might not be available with older adapter types.

Figure 5: Automatic electronic switching capability.

4. Maintenance

The Vgate vLinker FS is designed for durability and requires minimal maintenance. Keep the device clean and free from dust and moisture. Store it in a cool, dry place when not in use.

4.1 Battery Saver Technology

The device incorporates battery protection technology to prevent draining your vehicle's battery during extended periods of connection. This low-power design is particularly beneficial for long diagnostic sessions.

5. Troubleshooting

- **Device Not Powering On:** Ensure the adapter is fully seated in the vehicle's OBD2 port. Check the vehicle's battery for sufficient charge.
- **Connection Issues:** Verify that the USB cable is securely connected to both the adapter and your computer. Ensure the correct drivers are installed for the vLinker FS on your computer. Restart your diagnostic software and computer.

- **Software Not Detecting Device:** Confirm that the diagnostic software is configured to use the correct communication port (COM port) for the vLinker FS. Check your computer's Device Manager to ensure the vLinker FS is recognized and drivers are properly installed.
- **Inaccurate Readings:** Ensure your vehicle is fully compatible with the OBD2 standard and the diagnostic software you are using. Update your diagnostic software to the latest version.

If you encounter persistent issues, refer to the support section for contact information.

6. Specifications

Feature	Specification
Model	vLinker FS
Interface	USB
Supported Operating Systems	Windows 2000/Vista/7/8/8.1/10
Vehicle Voltage Compatibility	12V/24V OBD2 Compatible Cars
Transmission Rate	Up to 3Mbps
OBD Request Byte	Up to 4128 Bytes
Serial Buffer	8192 Bytes
Programming Voltage Output	FEPS 18V
ASIN	B0DJSYGZ58
Date First Available	November 28, 2023

Figure 6: Technical specifications of the vLinker FS.

7. Warranty and Support

7.1 Warranty Information

The Vgate vLinker FS comes with a one-year warranty. This warranty covers manufacturing defects and ensures product satisfaction.

7.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact the VgateDirect after-sales Team. If you are not satisfied with the product, you may contact them for hassle-free return and refund options.
Contact information can typically be found on the Vgate official website or through your purchase platform (e.g., Amazon seller page for VgateDirect).

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