Vgate iCar2 WiFi - Blue

Vgate iCar2 OBD2 Scanner User Manual

Model: iCar2 WiFi - Blue

1. Introduction

The Vgate iCar2 Wi-Fi adapter is a compact and efficient diagnostic tool designed for modern vehicles. It connects wirelessly to your iOS or Android device, allowing you to access your car's onboard diagnostic system (OBD2) for real-time data, trouble code reading, and more. Its auto-sleep and auto-wake-up features ensure minimal power consumption from your vehicle's battery.

Key features include:

- **Vehicle Compatibility:** Supports 1996 model year and newer US-sold cars and light trucks, including all US, European, and Asian vehicles. Compatible with OBD2 protocols: CAN, KWP2000, ISO9141-2, J1850 VPW, and J1850 PWM.
- **Stable WiFi Connection:** Provides a reliable wireless connection to your smartphone or tablet.
- **Small & Compact Design:** Easy to install directly into your car's OBD2 port.
- **Ultra-low Power Consumption:** Features an auto-sleep mode (as low as 10mA standby current) to conserve car battery power.
- **Wide App Compatibility:** Works with numerous third-party applications such as Torque, Torque Pro, DashCommand for iOS, and more.

2. Product Overview

The Vgate iCar2 is a small, plug-and-play device. It features indicator lights for Wi-Fi connectivity, battery status, and power, providing visual feedback on its operational status.



Image: The Vgate iCar2 device, showing its compact size and indicator icons for Wi-Fi, battery, and power.



Image: The Vgate iCar2 device, accompanied by icons representing its various diagnostic capabilities such as engine light check, data reading, and emissions testing.

3. Setup Guide

3.1 Locating the OBD2 Port

The OBD2 port is typically located under the dashboard on the driver's side of the vehicle. Refer to your vehicle's owner's manual for the exact location. Common locations are indicated in the image below:



Image: Diagram illustrating common locations of the OBD2 port within a vehicle's interior, marked A through E.

3.2 Installing the iCar2 Adapter

1. Ensure your vehicle's ignition is off.
2. Locate the OBD2 diagnostic link connector (DLC) in your vehicle.
3. Firmly plug the Vgate iCar2 Wi-Fi adapter into the OBD2 port.

3.3 Downloading and Pairing the Application

The Vgate iCar2 requires a compatible third-party OBD diagnostic application to function. You can find recommended applications for iOS and Android devices. For example, OBD Auto Doctor is a free app with optional in-app purchases.



Image: A quick start guide showing QR codes for downloading the OBD Auto Doctor app for Android (Google Play Store) and iOS (Apple App Store), along with steps for pairing and connection confirmation.

1. Download a compatible OBD diagnostic app from your device's app store.
2. Turn your vehicle's ignition to the 'ON' position (engine can be off).
3. On your smartphone or tablet, go to Wi-Fi settings and connect to the network named 'V-LINK' (or similar, as specified by your app).
4. Open the diagnostic app. The app should automatically detect and connect to the iCar2 adapter. Once connected, all LED indicators on the iCar2 should illuminate, signifying successful data synchronization with the vehicle.

4. Operating Instructions

Once the Vgate iCar2 is connected to your vehicle and paired with your diagnostic app, you can begin to monitor various vehicle parameters and perform diagnostics. The specific functions available will depend on the capabilities of the chosen application.

Typical operations include:

- **Reading Diagnostic Trouble Codes (DTCs):** Identify why the 'Check Engine Light' is on.

- **Clearing DTCs:** Turn off the 'Check Engine Light' after repairs.
- **Real-time Sensor Data:** View live data streams such as engine RPM, vehicle speed, fuel system status, oxygen sensor voltages, and more.
- **Freeze Frame Data:** Capture a snapshot of vehicle conditions at the moment a trouble code was set.
- **I/M Readiness Status:** Check if your vehicle is ready for an emissions test.
- **Vehicle Information:** Retrieve VIN (Vehicle Identification Number), Cal ID, and CVN.

Always refer to the specific instructions provided by your chosen diagnostic application for detailed usage guides and feature explanations.

5. App Compatibility

The Vgate iCar2 is designed to work with a wide range of third-party OBD2 diagnostic applications available for iOS and Android platforms. Some popular compatible apps include:



Image: A visual representation of popular diagnostic applications compatible with the Vgate iCar2, categorized by Android, iOS, and Windows platforms.

- **For Android:** Torque, OBD Car Doctor, Torque Pro, Torque Lite.
- **For iOS:** BimmerCode, DashCommand, OBD Car Doctor, OBD Fusion.
- **For Windows:** ScanMaster-ELM, ScanTool.net, PCMSCAN.

Please note that app features and performance may vary. It is recommended to check the app's compatibility with your specific vehicle and device before purchase or extensive use.

6. Maintenance

The Vgate iCar2 is a low-maintenance device. To ensure its longevity and proper function:

- Keep the device clean and free from dust and moisture. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods.
- Do not attempt to disassemble or modify the device, as this will void any potential warranty and could cause damage.
- When not in use for extended periods, it is advisable to unplug the device from the OBD2 port, although its auto-sleep function is designed to prevent battery drain.

7. Troubleshooting

If you encounter issues with your Vgate iCar2, consider the following troubleshooting steps:

- **Device Not Powering On:** Ensure the iCar2 is fully seated in the OBD2 port. Check your vehicle's fuse for the OBD2 port if no lights illuminate.
- **No Wi-Fi Signal:** Verify that the iCar2 is properly plugged in. Restart your smartphone/tablet and try reconnecting to the 'V-LINK' Wi-Fi network. Ensure your device's Wi-Fi is enabled.
- **App Not Connecting to iCar2:** Close and reopen the diagnostic app. Ensure you have selected the correct connection type (Wi-Fi) within the app's settings. Some apps may require specific IP addresses or ports (e.g., IP: 192.168.0.10, Port: 35000).
- **No Data or Error Codes:** Ensure your vehicle's ignition is in the 'ON' position (or engine running). Verify your vehicle is OBD2 compliant (1996 or newer for US vehicles). Try a different compatible app.
- **Intermittent Connection:** Ensure the iCar2 is securely plugged in. Avoid placing other Wi-Fi devices directly next to the adapter that could cause interference.
- **Battery Drain Concern:** The iCar2 features an auto-sleep mode. If you suspect battery drain, ensure the device is entering sleep mode (indicator lights should turn off after a period of inactivity). If concerns persist, unplug the device when the vehicle is off for extended periods.

8. Specifications

Feature	Detail
Model	iCar2 WiFi - Blue
Connectivity	Wi-Fi
Supported Operating Systems	Android, iOS
Supported OBD2 Protocols	CAN, KWP2000, ISO9141-2, J1850 VPW, J1850 PWM
Item Weight	2.57 ounces

Product Dimensions	3 x 1 x 2 inches
Manufacturer Part Number	ICAR2 WIFI BLUE
UPC	824918866103

9. Warranty and Support

For information regarding product warranty, returns, or technical support, please refer to the official Vgate website or contact the retailer from whom you purchased the device. Keep your proof of purchase for any warranty claims.

Vgate is committed to providing quality automotive diagnostic products. If you have any questions or require assistance, please reach out to their customer service channels.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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