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> [Vgate iCar Pro 4.0 OBD2 Scanner User Manual](#)

## Vgate iCar Pro 4.0

# Vgate iCar Pro 4.0 OBD2 Scanner User Manual

Model: iCar Pro 4.0 (BT3.0/BLE4.0)

## 1. INTRODUCTION

Thank you for choosing the Vgate iCar Pro 4.0 OBD2 Scanner. This device is designed to turn your smartphone or tablet into a powerful automotive diagnostic tool. This manual provides detailed instructions for setting up, operating, and maintaining your iCar Pro 4.0 scanner to ensure optimal performance and longevity.

### What's Included:

- Vgate iCar Pro (BT3.0/BLE4.0) OBD2 Scanner
- Packing Box
- User Manual (this document)

## 2. PRODUCT OVERVIEW

The Vgate iCar Pro 4.0 is an advanced OBD2 diagnostic interface that offers fast data transfer and robust safety features. It supports both Bluetooth 3.0 and Bluetooth Low Energy (BLE 4.0) for broad compatibility with Android, iOS, and Windows devices.

### Key Features:

- **Efficient and Safe:** Provides a fast information transfer speed of 38.4Kbps. Includes over-voltage, over-heat, and over-current protection.
- **Energy Saving:** Features auto-sleep and wireless wake-up function (for gasoline cars only; hybrid and electric cars do not support wake-up). Low power consumption mode (3mA) protects your car battery.
- **Universal OBD II Diagnostics:** Reads and clears engine diagnostic trouble codes, freeze frame data, and other diagnostic information. Views real-time sensor readings and I/M readiness.
- **Broad Compatibility:** Supports fuel and hybrid models, OBD2 compliant vehicles from 1996 onwards. Compatible with Android, iOS, and Windows operating systems.

### Product Components and Dimensions:



2.6 in



**iCar Pro(BT3.0/ BLE4.0)**



Image: The Vgate iCar Pro 4.0 OBD2 Scanner showing its compact size (2.64"L x 2.6"W x 1.34"H) and the OBD2 connector pins.

**Diagnostic Capabilities:**

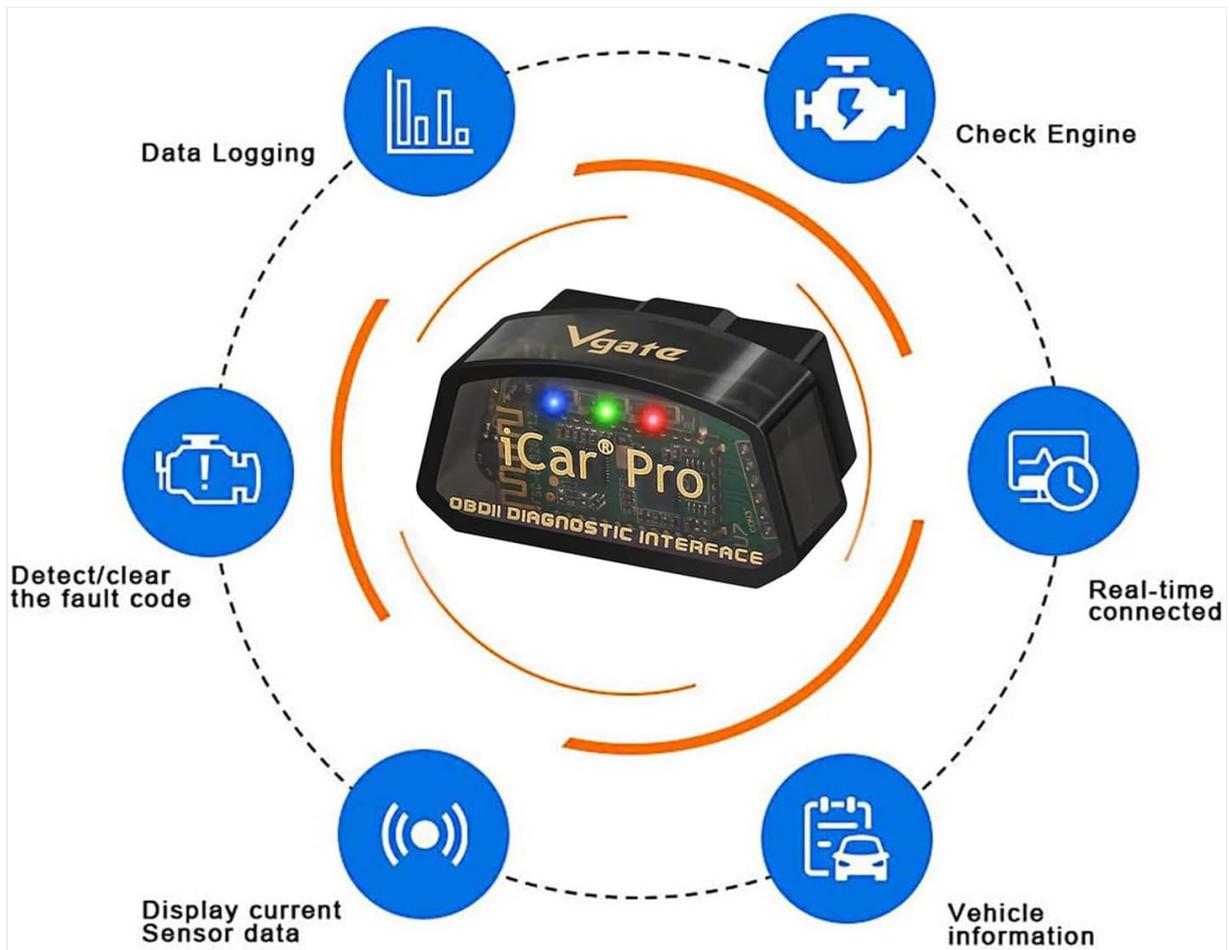


Image: A diagram highlighting the scanner's functions: Data Logging, Check Engine light diagnostics, Real-time connected data, Vehicle information, Display current Sensor data, and Detect/clear fault codes.

### Supported Protocols:

- SAE J1850-PWM
- SAE J1850-VPW
- ISO 9141-2
- ISO 14230-4(slow)
- ISO 14230-4 (fast)
- ISO 15765-4(CAN)
- SAE J1939(CAN)
- ISO 11898(raw CAN)



Image: The Vgate iCar Pro 4.0 supports various OBD2 protocols including SAE J1850-PWM, SAE J1850-VPW, ISO 9141-2, ISO 14230-4 (slow), ISO 14230-4 (fast), ISO 15765-4 (CAN), SAE J1939 (CAN), and ISO 11898 (raw CAN).

### 3. SETUP GUIDE

#### Step-by-Step Connection:

1. **Download a Compatible App:** Search for "Car Scanner" or other compatible third-party apps (e.g., BimmerCode, Torque, JScan, Auto Doctor, OBD Fusion) on your device's app store.
2. **Plug in the Device:** Locate your vehicle's OBD2 port (usually under the dashboard) and firmly plug in the Vgate iCar Pro 4.0 scanner. The device will power on automatically.
3. **Connect via Bluetooth:**
  - **For iOS Devices:** Simply turn on your phone's Bluetooth. Open the chosen diagnostic app and connect to the device from within the app. You do not need to pair it in your iOS Bluetooth settings.
  - **For Android Devices:** First, go to your phone's Bluetooth settings and pair with the device (e.g., "Android-Vlink"). The pairing code is typically "1234". After pairing, open the diagnostic app and connect to the device from within the app.

4. **Open Application and Connect:** Launch the diagnostic application on your device. Follow the app's instructions to establish a connection with the Vgate iCar Pro 4.0.

**NOTE:** This flowchart is the connection steps in Car Scanner APP for Android system.

**IOS system:** After turning on the Bluetooth, you can open the app to set the connection without pairing the product Bluetooth device name.

**1. Download APP**

**2. Plug in the device**

**3. Turn on your mobile phone's Bluetooth and pair it with "Android-Vlink", the pairing code is "1234"**

**4. Open the application and click "⚙️"**

**5. Set the paired Bluetooth device in the app successfully**

**6. Return to the homepage and click "Connect"**

Image: A visual guide demonstrating the connection steps for the Vgate iCar Pro 4.0 with the Car Scanner app on both Android and iOS devices.

**Important Note on Apps:** While the Vgate iCar Pro 4.0 is compatible with many third-party apps, some features or the apps themselves may require an additional fee paid directly to the software company. Vgate only provides the compatible hardware adapter.

## 4. OPERATING INSTRUCTIONS

### Basic Diagnostic Functions:

Once connected, your Vgate iCar Pro 4.0, in conjunction with a compatible app, can perform various diagnostic tasks:

- **Read Diagnostic Trouble Codes (DTCs):** Identify why your "Check Engine" light is on.
- **Clear DTCs:** Turn off the "Check Engine" light after repairs are made. Note that some codes may require specific conditions or dealer tools to clear.
- **View Freeze Frame Data:** See a snapshot of sensor readings at the moment a fault code was set.
- **Monitor Real-time Sensor Readings:** Observe live data such as engine RPM, vehicle speed, fuel

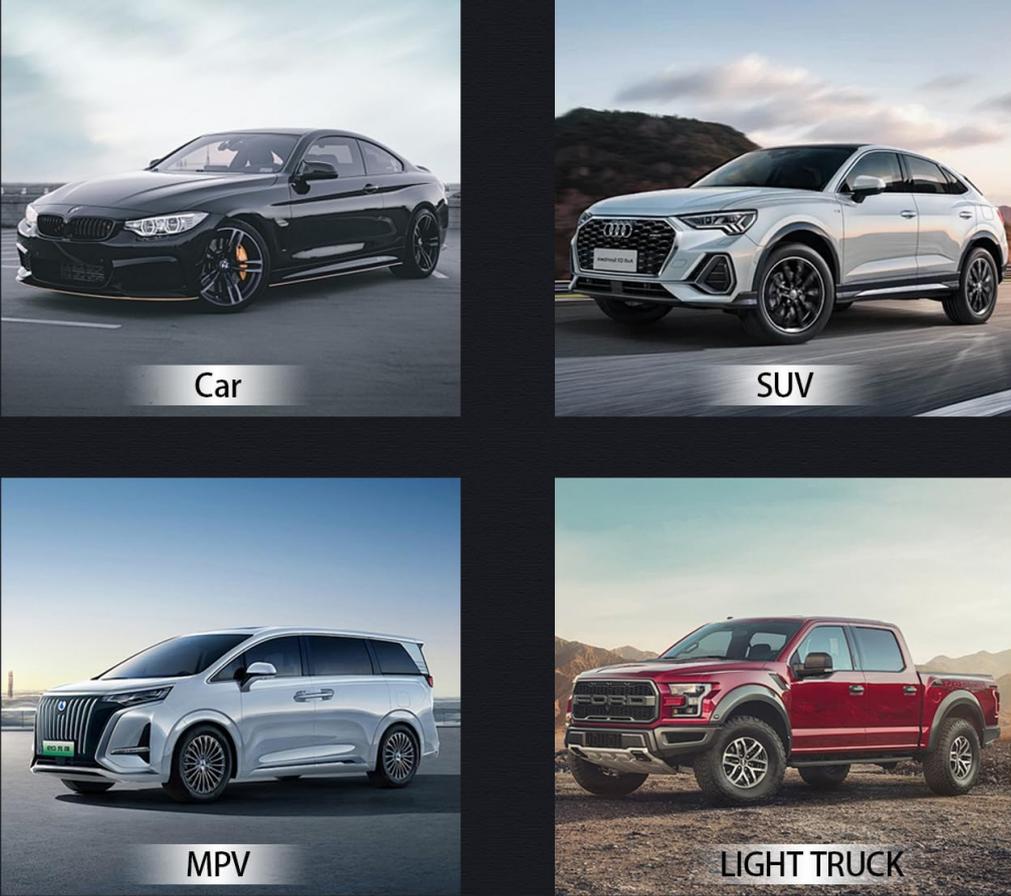
system status, oxygen sensor readings, and more.

- **Check I/M Readiness:** Determine if your vehicle is ready for an emissions test.
- **Create Custom Dashboards:** Many apps allow you to customize the display of real-time data.

### Vehicle Compatibility:

The Vgate iCar Pro 4.0 supports all OBD2 compliant vehicles manufactured from 1996 onwards, including gasoline and hybrid models. It is compatible with a wide range of vehicle types.

## GET MORE VEHICLE COVERAGE



**Car**                      **SUV**

**MPV**                      **LIGHT TRUCK**

 Work on 1996-now OBD2 protocol vehicles  
Please Note: Do not use on a 24V power diesel cars

Image: Examples of supported vehicle types include cars, SUVs, MPVs, and light trucks. The device works with 1996-now OBD2 protocol vehicles. It is not for use on 24V power diesel cars.

**Note:** For advanced features such as anti-lock braking system (ABS), airbag diagnostics, or manufacturer-specific data (e.g., transmission temperature), availability depends on the specific vehicle and the capabilities of the third-party OBD2 application used. Consult the app's documentation or the app developer for details.

## 5. MAINTENANCE

### General Care:

- Keep the device clean and free from dust and moisture.

- Store in a cool, dry place when not in use.
- Avoid dropping the device or subjecting it to strong impacts.

## Firmware Upgrade:

To ensure your Vgate iCar Pro 4.0 operates with the latest features and compatibility, it is recommended to periodically check for and install firmware updates. Follow these steps:

1. **Scan QR Code:** Scan the QR code provided in the product documentation or on the Vgate website to download the "VgateFwUpdater" app.
2. **Open App and Connect:** Launch the "VgateFwUpdater" app. Click "Auto connect" to find and connect to your iCar Pro device.
3. **Download Firmware:** Once connected, click "Download" to retrieve the latest firmware.
4. **Start Upgrade:** Wait for the upgrade process to complete. A "Upgrade successful" message will confirm completion.



Image: A visual guide detailing the four steps to upgrade the firmware of the Vgate iCar Pro series using the VgateFwUpdater app. The QR code for the app is also shown.

Download VgateFwUpdater app: <https://qr19.cn/EFo4PY>

## 6. TROUBLESHOOTING

### Common Issues and Solutions:

- **Device Not Powering On:** Ensure the device is firmly plugged into the vehicle's OBD2 port. Check the vehicle's battery.
- **Unable to Connect via Bluetooth (Android):** Make sure you have paired the device in your phone's Bluetooth settings first (pairing code "1234") before attempting to connect within the app. If issues persist, try unpairing and re-pairing.
- **Unable to Connect via Bluetooth (iOS):** Ensure Bluetooth is enabled on your iOS device. Connection is established directly within the diagnostic app, not through iOS Bluetooth settings.
- **App Not Detecting Device:** Verify that the device is powered on and Bluetooth is active. Close and reopen the app. Try restarting your phone/tablet.

- **Codes Not Clearing:** Some diagnostic trouble codes, especially those related to safety systems (e.g., ABS, airbags) or manufacturer-specific issues, may not be clearable by generic OBD2 scanners or may require specific driving cycles to reset. Consult your vehicle's service manual or a professional mechanic.
- **Auto-Sleep/Wake-up Function Not Working:** The wireless wake-up function is only supported for gasoline cars. Hybrid and electric cars do not support this feature.
- **App Features Locked/Require Payment:** Many advanced features within third-party diagnostic apps require in-app purchases or subscriptions. This is a policy of the app developer, not the Vgate device.

## 7. SPECIFICATIONS

Feature	Detail
Brand	Vgate
Model	iCar Pro 4.0 (BT3.0/BLE4.0)
Power Source	Vehicle Battery Powered
Product Dimensions (L x W x H)	2.64" x 2.6" x 1.34"
Operating System Compatibility	Android, iOS, Windows
Connectivity	Bluetooth 3.0, Bluetooth Low Energy (BLE 4.0)
Data Transfer Speed	38.4Kbps
Low Power Consumption Mode	3mA
Vehicle Compatibility	OBD2 compliant vehicles from 1996 onwards (gasoline, hybrid)

## 8. WARRANTY AND SUPPORT

**Warranty:** The Vgate iCar Pro 4.0 OBD2 Scanner comes with a one-year warranty from the date of purchase.

**Customer Service:** For any questions, technical assistance, or warranty claims, please contact the VgateDirect after-sales service team. We are committed to providing you with hassle-free support and ensuring your satisfaction.

Please refer to the contact information provided with your product packaging or visit the official Vgate website for support details.

## 9. PRODUCT VIDEO

Watch this official product video for a quick overview of the Vgate iCar Pro.

Your browser does not support the video tag.

Video: An introductory video showcasing the Vgate iCar Pro OBD2 Scanner and its key features.

