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VIDENT VIDENT iSmartDiag510

VIDENT iSmartDiag510 Wireless OBD2 Scanner User Manual

Model: VIDENT iSmartDiag510 | Brand: VIDENT

Introduction

The VIDENT iSmartDiag510 is a state-of-the-art wireless OBD2 scanner designed to transform your iPhone or Android device into a powerful automotive diagnostic tool. This manual provides comprehensive instructions for setting up, operating, maintaining, and troubleshooting your iSmartDiag510, enabling you to perform professional-grade vehicle diagnostics and maintenance tasks with ease.

What's in the Box

- Wireless bidirectional OBD II Scanner
- Activation Information
- Quick User Guide

Setup Guide

Follow these steps to set up your VIDENT iSmartDiag510 Wireless OBD2 Scanner:

1. Download the iSmartDiag App

Download the "iSmartDiag" app from the App Store (for iOS devices) or Google Play (for Android devices).



Image: Screenshot showing the iSmartDiag app available on app stores.

2. Open App and Register

Open the iSmartDiag app and complete the registration process. Ensure you accept the privacy policy.



Image: Visual guide for app registration and login.

3. Plug iSmartDiag510 into Your Vehicle's OBD2 Port

Locate your vehicle's OBD2 port, typically found under the dashboard on the driver's side. Plug the iSmartDiag510 device firmly into the port. The device will light up when connected.



Image: The iSmartDiag510 device connected to a vehicle's OBD2 port.

4. One-Click Bluetooth Pairing

Within the iSmartDiag app, tap the "Connection" button to initiate one-click Bluetooth pairing**Important:** Do not attempt to pair through your phone's standard Bluetooth settings, as this may cause connection issues. Ensure your phone is within 33 feet of the device for stable performance.



Image: Visual representation of the one-click Bluetooth connection within the app.

Your browser does not support the video tag.

Video: Demonstrates the Bluetooth pairing process for the iSmartDiag510.

5. Download Diagnostic Packages

Once connected, navigate to the update section in the app. Easily download the diagnostic software package, OBD2 diagnostic package, and special function diagnostic package for your specific vehicle model. You can also download all diagnostic packages if your device has enough memory. This ensures comprehensive vehicle coverage.



Image: The app's update interface, showing available diagnostic packages for download.

6. Turn on Ignition and Start Diagnosis

Turn your vehicle's ignition to the ON position (engine off) or start the engine as required by the specific diagnostic function. You are now ready to begin diagnosing your vehicle.



Image: A car's start/stop ignition button, indicating the next step in the setup process.

Operating the iSmartDiag510

Full System Diagnostics

The iSmartDiag510 provides comprehensive access to all major vehicle systems, including engine, transmission, ABS, SRS, TPMS, and more. It functions like a professional-level shop scanner, allowing you to read and clear trouble codes, view live data, and perform active tests across various modules. With support for CAN FD (for GM models after 2020) and DoIP (for BMW, Benz after 2018), it's compatible with newer vehicle platforms.



Image: An illustration highlighting the full system diagnostic capabilities of the scanner, covering engine, transmission, ABS, SRS, and more.

Your browser does not support the video tag.

Video: Overview of the Vident Wireless OBD2 Scanner's features, including full system diagnostics.

Bidirectional Control (Active Tests)

This professional-grade tool allows you to send real-time commands to your vehicle's ECU to perform active tests on various components. This feature helps pinpoint issues quickly, avoiding trial-and-error repairs. Examples include testing A/C clutch, windows, fuel pump, sunroof, and wipers.



Image: An animated diagram showing the bidirectional control feature, allowing commands to be sent to the vehicle's ECU for active testing.

13+ Reset & Relearn Services

The iSmartDiag510 supports over 13 common maintenance functions, helping you save time and money on shop visits. These include Oil Light Reset, EPB Reset, Battery Registration (BMS), Throttle Relearn, Injector Coding, SRS/Airbag Reset, ABS Brake Bleeding, DPF, A/C Relearn, AdBlue/EGR/NOx Reset. **Note:** Specific functions may vary by vehicle model.



Image: An infographic showcasing the 13 special functions available, such as ABS Bleeding, BMS Reset, Oil Reset, and more.

Essential OBD2 Code Reader Functions

This tool supports all 10 modes of OBD2, enabling you to read and erase codes, view live data, freeze frame data, and check I/M readiness. The built-in DTC lookup helps beginners understand fault codes without needing a separate manual.



Image: A visual representation of the full OBD2 functions, including reading/clearing codes, live data, and I/M readiness.

Real-Time Live Data & 4-PID Graphing

Monitor your car's health by tracking and graphing up to 4 PIDs (Parameter IDs) simultaneously. This allows for real-time viewing of data like engine RPM, vehicle speed, coolant temperature, and throttle position, aiding in identifying issues like misfires or overheating. The historical VIN record automatically saves previously scanned vehicles.

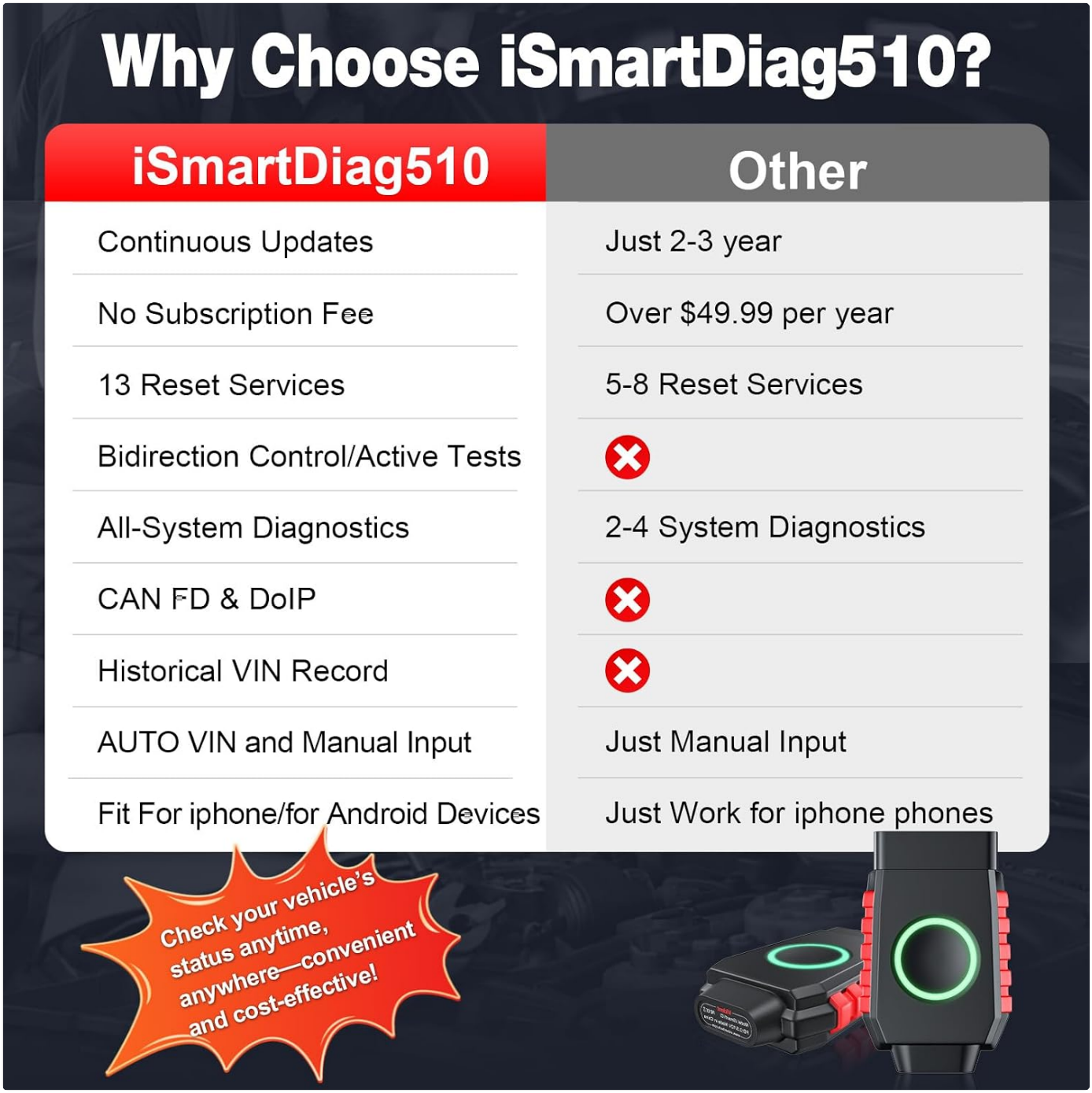


Image: A smartphone screen displaying live data graphing from the iSmartDiag510, showing multiple PIDs simultaneously.



Image: A screenshot illustrating the historical VIN record feature and options for reviewing diagnostic reports.

Maintenance and Updates

The VIDENT iSmartDiag510 offers lifetime free updates, ensuring your tool remains compatible with the latest vehicle models and diagnostic protocols without any subscription fees. Regularly check the app for new software versions and vehicle data packages.



Image: An infographic emphasizing the lifetime free updates, no software subscription, and no app subscription benefits.

Troubleshooting

- **Connection Issues:** If you experience difficulty connecting your iSmartDiag510, ensure you are pairing through the iSmartDiag app and not your phone's native Bluetooth settings. Maintain proximity (within 33 feet) to the device for a stable connection.
- **Lost Pairing Password/Serial Number:** Refer to the user guide (link provided in the support section) or contact VIDENT support through the app for assistance.
- **Software Update Problems:** For smooth VCI updates, keep your device connected via Bluetooth and close to your phone. Ensure a stable internet connection.
- **Vehicle Compatibility:** Not all 13 special functions are available for every car model. For specific vehicle compatibility inquiries, contact VIDENT Direct support.

Specifications

Feature	Detail
Brand	VIDENT
Model	VIDENT iSmartDiag510
Power Source	OBD II Port
Product Dimensions	3.07"L x 2.08"W x 0.82"H
Operating System Compatibility	For Android & for iOS & for iPhone & for Tablet
Key Features	13 Reset Functions, Bidirectional Wireless OBD2 Scanner, All System Diagnostics, Lifetime Update
Vehicle Coverage	Universal Fit (most vehicles after 1996 supporting OBD2 protocol, over 100 car brands)
Protocols Supported	CAN FD, DoIP
Item Weight	2.89 ounces

Warranty and Support

The VIDENT iSmartDiag510 comes with lifetime free updates, ensuring long-term usability and compatibility. For detailed information, including the full user manual, please refer to the official documentation provided with your product or visit the VIDENT Direct store on Amazon.
For technical support or specific vehicle compatibility questions, you can reach out to VIDENT Direct support via the contact options provided in the iSmartDiag app or through their official channels.
Official User Manual (PDF): Download Here

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