

VDIAGTOOL VD80 BT Lite

VDIAGTOOL VD80 BT Lite Wireless OBD2 Scanner Diagnostic Tool User Manual

Model: VD80 BT Lite | Brand: VDIAGTOOL

1. INTRODUCTION

This manual provides detailed instructions for the VDIAGTOOL VD80 BT Lite Wireless OBD2 Scanner Diagnostic Tool. It covers product features, setup procedures, operational guidelines, maintenance tips, troubleshooting, and technical specifications. Please read this manual thoroughly before operating the device to ensure correct usage and optimal performance.

2. WHAT'S IN THE BOX

Upon unpacking, please verify that all items listed below are present and in good condition:

- 1 * VD80 LITE Scanner
- 1 * VCI WiFi Box
- 1 * US/UK/EU Plug Adapter (Specific adapter included based on region)
- 1 * Type C to Type-C Charge Cable
- 1 * Quick Start Guide
- 1 * Carry Case

WHAT'S INSIDE THE BOX



VD80 BT Lite & VCI Box



US Power Charger



EU Power Charger



UK Power Charger



Quick Start Guide



Packing List



Type-C to Type-A Adapter



Type-C to Type-C Charge Cable



Hard Case



Color Carton

Image: Contents of the VDIAGTOOL VD80 BT Lite package. This includes the main scanner unit, the VCI WiFi box, various power adapters (US, UK, EU), a Type-C charging cable, a quick start guide, and a protective carry case.

3. PRODUCT OVERVIEW

The VDIAGTOOL VD80 BT Lite is a professional-grade wireless OBD2 diagnostic tool designed for comprehensive vehicle system analysis and maintenance. It features advanced functionalities for efficient and accurate vehicle diagnostics.

3.1 Key Features

- **Wireless Connectivity:** Utilizes Bluetooth for up to 66 feet of wireless operation, enabling flexible diagnostic procedures around the vehicle.
- **Bidirectional Control:** Allows active testing of vehicle components such as fuel pumps, windows, A/C clutches, and relays.
- **OE-Level Full System Diagnostics:** Accesses and scans all available vehicle systems for comprehensive fault detection.
- **ECU Coding:** Supports ECU coding for various vehicle brands, facilitating module replacement and performance optimization.
- **28+ Service Functions:** Includes common maintenance services like Oil Reset, ABS Bleeding, EPB Reset, SAS Calibration, and more.
- **Broad Vehicle Compatibility:** Supports CAN FD, DoIP, and FCA Secure Gateway protocols, covering a wide range of U.S., EU, and Asian vehicles.
- **Guided Repair:** Offers step-by-step V.A.G Guided Diagnostics for complex procedures.
- **2 Years Free Updates:** Ensures the tool remains current with the latest vehicle models and diagnostic software.

3.2 Device Components



Image: The VDIAGTOOL VD80 BT Lite diagnostic tablet and its wireless VCI (Vehicle Communication Interface) box. The tablet features a large display and an intuitive interface, while the VCI box connects to the vehicle's OBD-II port.

4. SETUP

4.1 Initial Charging

Before first use, fully charge the VD80 BT Lite scanner using the provided Type-C cable and power adapter. Connect the Type-C cable to the scanner's charging port and the adapter to a power outlet. The charging indicator will show the charging status.

4.2 Powering On and Off

- **Power On:** Press and hold the power button located on the side of the device until the screen illuminates.
- **Power Off:** Press and hold the power button, then select "Power Off" from the options that appear on the screen.

4.3 VCI Box Connection

1. Locate the vehicle's OBD-II port, typically under the dashboard on the driver's side.
2. Plug the VCI WiFi Box firmly into the OBD-II port. The VCI box indicator light will illuminate, indicating power.
3. On the VD80 BT Lite scanner, navigate to the VCI connection settings. Select the VCI box via Bluetooth. Ensure a

stable wireless connection is established.

4.4 Software Updates

It is recommended to update the software regularly to ensure access to the latest vehicle coverage and diagnostic functions. Connect the scanner to a Wi-Fi network and navigate to the "Updates" section on the main menu. Follow the on-screen prompts to download and install available updates.

5. OPERATING INSTRUCTIONS

5.1 Basic Diagnostics (Auto Scan)

1. Ensure the VCI box is connected to the vehicle's OBD-II port and the scanner is wirelessly connected to the VCI.
2. Turn the vehicle's ignition to the ON position (engine off).
3. On the scanner's main menu, select "Auto Scan". The tool will automatically identify the vehicle's VIN and perform a comprehensive scan of all accessible systems.
4. Review the diagnostic report, which will display detected fault codes and system statuses.
5. To clear fault codes, select the "Clear Trouble Code" option after addressing the underlying issues.

OE-LEVEL ALL SYSTEM DIAGNOSTICS

Improve Your Repair Efficiency!



Image: The VDIAGTOOL VD80 BT Lite displaying an OE-level all system diagnostics screen. This interface allows users to read ECU information, view live data, read and clear trouble codes, and analyze freeze frame data across various vehicle systems like Engine, Transmission, ABS, and TPMS.

5.2 Live Data Stream

The VD80 BT Lite can display real-time sensor data in various formats (graph, text, columnar). This feature is crucial for monitoring vehicle performance and diagnosing intermittent issues.

- After a system scan, select "Live Data" to view real-time parameters.
- Choose specific data PIDs (Parameter IDs) to monitor.
- The tool supports recording and playback of live data for later analysis.

PROFESSIONAL CUSTOMER SERVICE TEAM



100%
High Quality



24/7
Support



36 Months
Warranty



30 DAYS RETURN & REPLACE



Image: Illustration of the 8-in-1 live data stream capabilities, showing multiple sensor readings displayed simultaneously in graphical and textual formats. This feature allows for comprehensive real-time monitoring and analysis of vehicle performance data.

5.3 Bidirectional Control (Active Tests)

Bidirectional control allows the scanner to send commands to vehicle modules to perform specific tests and functions, aiding in component diagnosis.

1. From the main menu, select "Special Function" or navigate to the specific system after an "Auto Scan".
2. Choose "Active Test" or "Bidirectional Control".
3. Select the component you wish to test (e.g., "Activate Fuel Pump", "Cycle A/C Clutch").
4. Follow the on-screen instructions to perform the test and observe the component's response.

BI-DIRECTIONAL CONTROL

Enables targeted tests on individual actuators to identify and resolve issues swiftly



Image: Demonstrates the bidirectional control capabilities, showing the scanner interacting with various vehicle components such as car mirrors, headlights, radiator fan, test injector, sound horn, modulate throttle, parking brake, exterior lights, cycle A/C, doors and windows, interior light, injector buzz, and operate mirrors.

5.4 Service Functions

The VD80 BT Lite offers over 28 common maintenance and reset functions. Access these from the "Special Function" menu.

- **Oil Reset:** Resets the oil service light after an oil change.
- **ABS Bleeding:** Performs bleeding procedures for the anti-lock braking system.
- **EPB Reset:** Resets the electronic parking brake after brake pad replacement.
- **SAS Calibration:** Calibrates the steering angle sensor.
- **Injector Coding:** Codes new injector values into the ECU.
- **TPMS Reset:** Resets the Tire Pressure Monitoring System.
- And many more, including BMS Reset, Throttle Reset, Gearbox Match, Airbag Reset, etc.

VD80 BT LITE

WIRELESS SCAN TOOL

Seamless Speed, Unmatched Stability – Wireless & DOIP Together!



Image: Overview of the 28+ maintenance services available on the VDIAGTOOL VD80 BT Lite. This includes functions like Oil Reset, ABS Bleeding, EPS Adaptation, EPB Reset, BMS Reset, Injector Coding, A/C Relearn, Throttle Reset, and TPMS Reset.

5.5 ECU Coding

ECU Coding allows for advanced vehicle customization and module adaptation.

1. Access "ECU Coding" from the main menu or specific system diagnostics.
2. Follow the guided procedures for tasks such as module replacement matching, optimizing fuel efficiency, or activating/deactivating specific vehicle features.
3. **Caution:** ECU coding requires advanced knowledge. Incorrect procedures can lead to vehicle malfunctions. Always ensure proper vehicle voltage and follow instructions carefully.

ECU CODING

Make Your Work Easier, Improve Car Performance !



■ Module Replacement Matching

■ Improve Fuel Efficiency

■ Block Annoying Features

■ Optimize Vehicle's Performance

Image: Depicts the ECU Coding interface, highlighting capabilities such as module replacement matching, improving fuel efficiency, blocking unwanted features, and optimizing vehicle performance. The image shows the scanner interacting with a vehicle's Electronic Control Unit.

5.6 FCA Autoauth

The VD80 BT Lite supports FCA Secure Gateway (SGW) access, enabling diagnostics on modern FCA vehicles that require authentication.

1. When prompted by the scanner for FCA SGW access, ensure you have an active AutoAuth account.
2. Follow the on-screen instructions to log in with your AutoAuth credentials to unlock full diagnostic capabilities for FCA vehicles.

Automotive Tools That Meet EVERY LEVEL OF EXPERTISE !



FOR DIYER



FOR ENGINEER



FOR GARAGEMAN



FOR CARDEALER

Image: A visual representation of the FCA Autoauth login process on the VDIAGTOOL VD80 BT Lite, showing fields for username and password to access the Secure Gateway for FCA vehicles.

6. MAINTENANCE

- **Software Updates:** Regularly check for and install software updates via Wi-Fi to maintain optimal performance and vehicle compatibility.
- **Cleaning:** Clean the device screen and body with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Storage:** Store the scanner and VCI box in the provided carry case in a dry, cool environment, away from direct sunlight and extreme temperatures.
- **Battery Care:** For prolonged storage, ensure the battery is charged to approximately 50-70% to extend its lifespan.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Scanner does not power on.	Low battery; device malfunction.	Charge the device fully. If problem persists, contact support.
VCI box not connecting.	VCI not properly plugged into OBD-II port; Bluetooth issue; vehicle ignition off.	Ensure VCI is securely plugged in. Check Bluetooth settings on scanner. Turn vehicle ignition to ON.
Unable to communicate with vehicle.	Incorrect vehicle protocol; VCI connection issue; vehicle battery low.	Verify VCI connection. Ensure vehicle battery is adequately charged. Try a different vehicle if possible to isolate the issue.
Software update failure.	Unstable Wi-Fi connection; insufficient storage space.	Ensure a strong, stable Wi-Fi connection. Check available storage on the device. Restart the update process.

8. SPECIFICATIONS

- **Model:** VD80 BT Lite
- **Operating System:** Android 10.0
- **Item Weight:** 5.28 pounds
- **Package Dimensions:** 12.52 x 10.87 x 4.09 inches
- **Batteries:** 1 Lithium Ion battery (included)
- **Connectivity:** Wireless (Bluetooth), CAN FD, DoIP, FCA Secure Gateway
- **Updates:** 2 Years Free Updates
- **Automotive Fit Type:** Universal Fit

9. WARRANTY AND SUPPORT

The VDIAGTOOL VD80 BT Lite comes with a **36-month warranty** from the date of purchase, covering manufacturing defects. For technical assistance, product inquiries, or warranty claims, please contact VDIAGTOOL customer support. Our support team is available **24/7** to assist you.

- **Customer Service:** Refer to the contact information provided in the Quick Start Guide or on the official VDIAGTOOL website.
- **Returns & Replacements:** A 30-day return and replacement policy is available for eligible products.

DIAGNOSTIC REPORT PRINT/SHARE/GENERATE

Generate PDF Format Diagnose Report, Easy to Share and Print.

**Record**

**Playback**

**Share**

**Print**





Image: Depicts the VDIAGTOOL professional customer service team, highlighting 100% high quality, 24/7 support, 36 months warranty, and a




10. SAFETY INFORMATION

Please observe the following safety precautions to prevent personal injury or damage to the vehicle or the diagnostic tool:

- Always perform automotive work in a well-ventilated area.
- Wear appropriate personal protective equipment, such as safety glasses and gloves.
- Do not operate the tool while driving.
- Ensure the vehicle's ignition is off before connecting or disconnecting the VCI box, unless instructed otherwise by a specific diagnostic procedure.
- Keep the tool away from moisture, oil, and extreme temperatures.
- Refer to the vehicle's service manual for specific procedures and warnings.

Related Documents - VD80 BT Lite

	<p>VDIAGTOOL VDT800 Smart Diagnostic System User Manual</p> <p>User manual for the VDIAGTOOL VDT800 Smart Diagnostic System, providing detailed information on its features, technical specifications, safety precautions, operation, special functions, warranty, support, and compliance.</p>
	<p>VDIAGTOOL VD80BT Lite User Manual: Automotive Diagnostic Tool Guide</p> <p>Comprehensive user manual for the VDIAGTOOL VD80BT Lite, detailing its features for automotive diagnostics, code reading, live data, and troubleshooting. Supports Bluetooth connectivity.</p>
	<p>VDIAGTOOL VD80BT Lite Wireless Diagnostic Tool User Manual</p> <p>User manual for the VDIAGTOOL VD80BT Lite, a wireless diagnostic tool designed for automotive professionals and enthusiasts. It covers features, operation, diagnostics, OBDII/EOBD functions, special services, and troubleshooting.</p>

 <p>VD80 BT WIRELESS DIAGNOSTIC TOOL USER MANUAL</p>	<p>VDIAGTOOL VD80 BT Wireless Diagnostic Tool User Manual</p> <p>Explore the VDIAGTOOL VD80 BT, a wireless diagnostic tool designed for comprehensive vehicle diagnostics. This user manual details its features, including retrieving DTCs, accessing live data streams, performing active tests, and utilizing advanced special functions for automotive repair and maintenance.</p>
 <p>Quick Start Guide</p> <p>GETTING STARTED</p>	<p>VDIAGTOOL VD70 LITE Quick Start Guide: Automotive Diagnostic Tool</p> <p>Get started quickly with the VDIAGTOOL VD70 LITE automotive diagnostic tool. This guide covers setup, software updates, language changes, and printing reports for your diagnostic device.</p>
 <p>VD70 LITE DIAGNOSTIC TOOL USER MANUAL</p>	<p>VDIAGTOOL VD70 Lite Diagnostic Tool User Manual</p> <p>Comprehensive user manual for the VDIAGTOOL VD70 Lite Diagnostic Tool, detailing its features, operation, vehicle diagnostics, special functions, OBDII/EOBD capabilities, safety, and support resources.</p>