

TOPDON AD800BT V2.0

TOPDON ArtiDiag800 BT V2.0 User Manual

Bidirectional Scan Tool for Automotive Diagnostics

1. INTRODUCTION

The TOPDON ArtiDiag800 BT V2.0 is a state-of-the-art automotive diagnostic scanner designed for comprehensive vehicle health checks and maintenance. This bidirectional scan tool offers advanced functionalities for both professional technicians and DIY enthusiasts, ensuring efficient and accurate vehicle servicing.

Key features include full system diagnostics, over 28 maintenance and reset services, wireless Bluetooth connectivity, and broad vehicle compatibility. The device is built for durability and ease of use, providing a reliable solution for modern vehicle complexities.



Figure 1: TOPDON ArtiDiag800 BT V2.0 Diagnostic Scanner and its packaging.

2. WHAT'S IN THE BOX?

Upon opening your TOPDON ArtiDiag800 BT V2.0 package, please verify that all components listed below are present and in good condition.

- TOPDON ArtiDiag800 BT V2.0 Main Unit
- Diagnostic VCI Dongle (Bluetooth)
- USB Type-A to Type-C Cable
- Power Adapter with US, UK, and EU Plugs
- Carrying Case
- Quick User Guide
- User Manual

Your browser does not support the video tag.

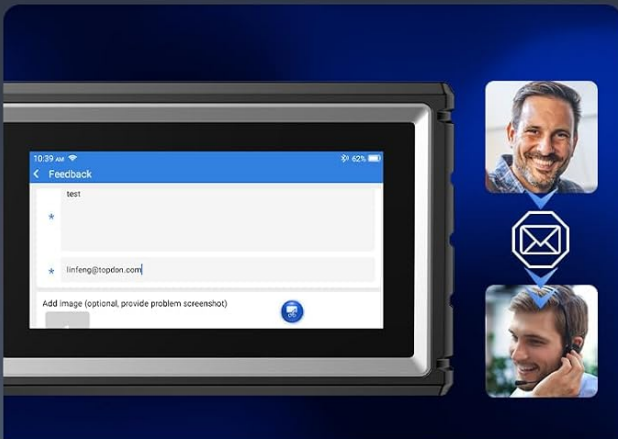
Quick Start, Quick Fix, Quick Share



Plug & Play



Pop-up Guide



Online Feedback



Data Share and Print

Figure 2: All components included in the TOPDON ArtiDiag800 BT V2.0 package.

3. SETUP AND INITIAL ACTIVATION

Follow these steps to set up your ArtiDiag800 BT V2.0 and activate it for first-time use.

1. **Power On:** Press and hold the power button located on the side of the device until the screen illuminates.
2. **Language Selection:** On the initial setup screen, select your preferred language from the list and tap "Next".
3. **Network Connection:** Connect the device to a stable Wi-Fi network. Select your network from the list, enter the password if prompted, and tap "OK". This is crucial for updates and registration.
4. **Region and Time Zone:** Select your region and time zone. Tap "Next" to proceed.

5. **User Agreement:** Read the user agreement and privacy policy. Tap "Agree to the above terms" and then "Next".

6. **Account Registration/Login:**

- If you are a new user, tap "Create Account". Input your desired username, password, and email address. Tap "Send Verification Code" to receive a code in your email. Enter the received verification code and tap "Register".
- If you already have an account, tap "Login" and enter your credentials.

7. **Device Activation:** Input the Serial Number and Activation Code found in the "PASSWORD LETTER" included in your package. Tap "Activate". A confirmation message "Congratulations, the device has been activated successfully!" will appear. Tap "OK".

8. **Business Information (Optional):** You may be prompted to enter business information. This step can be skipped if not applicable.

Your browser does not support the video tag.

Video 2: A step-by-step guide on how to register and activate your TOPDON ArtiDiag800 BT device.

4. OPERATING THE ARTIDIAG800 BT V2.0

The ArtiDiag800 BT V2.0 is designed for intuitive operation, allowing you to quickly diagnose and perform maintenance tasks on a wide range of vehicles.

4.1. Connecting to a Vehicle

The device connects wirelessly via a Bluetooth VCI (Vehicle Communication Interface) dongle.

1. Locate your vehicle's OBD2 port (usually under the dashboard).
2. Plug the Diagnostic VCI Dongle into the OBD2 port. Ensure it is securely connected.
3. The VCI dongle will automatically pair with your ArtiDiag800 BT V2.0 unit via Bluetooth, offering a wireless diagnostic range of up to 33 feet (10m).



Figure 3: Wireless Bluetooth connectivity between the main unit and the VCI dongle.

4.2. Full System Diagnostics

Perform OE-level diagnostics across all available vehicle systems, including Engine Control Module (ECM), Transmission, ABS, Airbag, SAS, DPF, EVAP, TPMS, BMS, EPB, and more.

- **Read ECU Info:** Retrieve detailed information about the Electronic Control Unit.
- **Read & Clear Codes:** Read diagnostic trouble codes (DTCs) to identify issues and clear them to turn off warning lights.
- **View Live Data:** Monitor real-time data streams in text or merged graph format for in-depth analysis.
- **Freeze Frame Data:** View a snapshot of sensor readings at the moment a fault code was set.

Your browser does not support the video tag.

Video 3: Demonstrating full system diagnostics, including reading and clearing codes, and viewing live data.

OE-Level Diagnostics Across All Systems

80+ Brands, 10000+ Models



- Read ECU Info
- Read Live Data
- Read Freeze Frame
- Read & Clear Codes

Figure 4: Overview of OE-level diagnostics capabilities.

Intuitive Live Data Visualization



Figure 5: Example of live data visualization on the device screen.

4.3. Bidirectional Control (Active Tests)

The bidirectional control feature allows you to send commands to vehicle components and systems to test their functionality directly. This helps in pinpointing issues accurately and efficiently.

- Command solenoids, actuators, and other components.
- Perform active tests such as turning off ACC, windows calibration, A/F Reset, coolant bleed, AdBlue reset, Stop/Start Reset, and more.

Bi-Directional Control

For Quick Troubleshoot and Fix

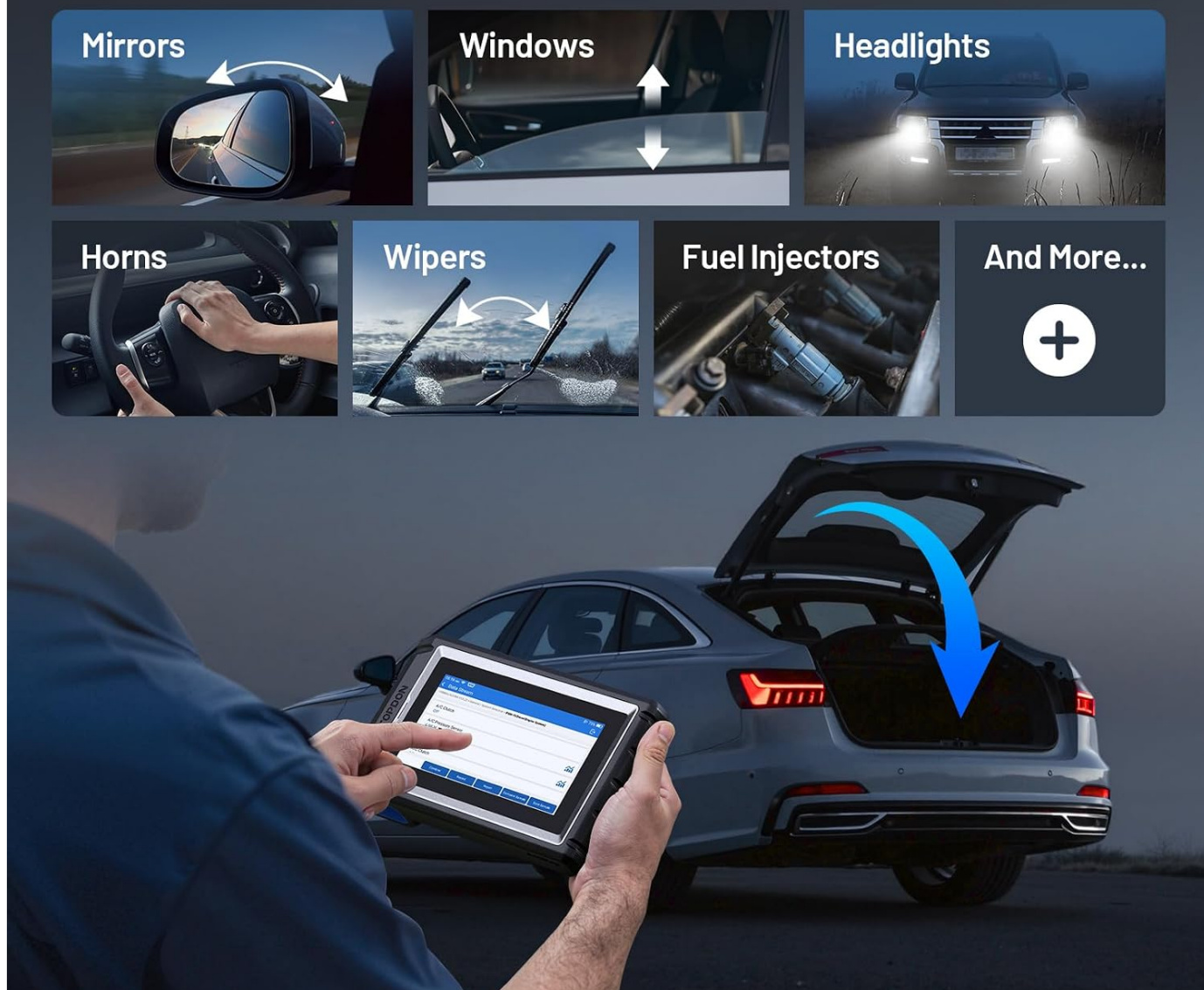


Figure 6: Examples of bidirectional control functions.

4.4. Maintenance and Reset Services

The ArtiDiag800 BT V2.0 offers over 28 factory-grade maintenance and reset services to address common vehicle needs.

- Oil Reset
- SAS Reset (Steering Angle Sensor)
- EPB Reset (Electronic Parking Brake)
- Tire Pressure Reset (TPMS)
- Injector Coding
- ABS Bleeding
- DPF Regeneration (Diesel Particulate Filter)
- Battery Matching (BMS)
- Throttle Matching
- Headlight Matching

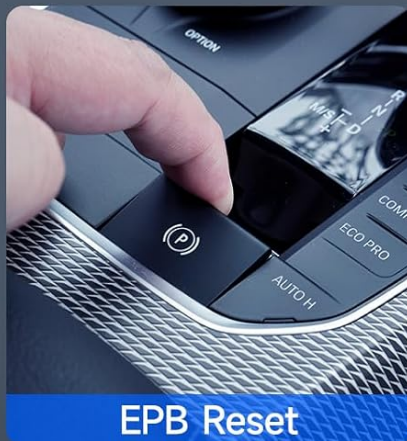
- Gearbox Matching
- EGR Adaption (Exhaust Gas Recirculation)
- Tooth Learning
- Sunroof Initialization
- Suspension Reset
- Windows Calibration
- And many more...

28+ Maintenance Functions

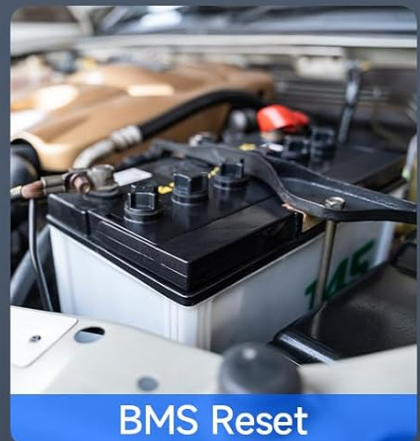
All-in-One Solution for Vehicle Daily Maintenance



Oil Reset



EPB Reset



BMS Reset



SAS Reset



ABS Bleeding



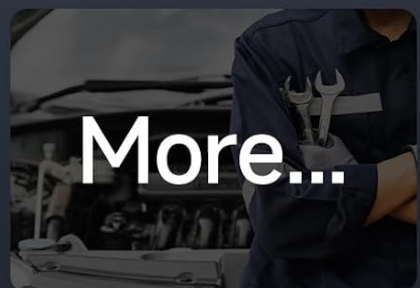
Injector Coding



Suspension Reset



DPF Regeneration



More...

Figure 7: A selection of the 28+ maintenance functions available.

Your browser does not support the video tag.

Video 4: Overview of the I.MMO and other maintenance services offered by the ArtiDiag800 BT.

4.5. Advanced Vehicle Compatibility

The ArtiDiag800 BT V2.0 supports over 10,000 vehicle models from 80+ brands, including domestic, Asian, and European manufacturers. It features:

- **FCA AutoAuth:** Secure access to FCA vehicles (Chrysler, Dodge, Jeep, Fiat, etc.) from 2018 and later.
- **CAN FD Protocol:** Compatibility with next-generation GM models from 2020 and later, enabling faster data transmission.
- **AutoVIN Technology:** Quickly identifies vehicle make, model, and year with one touch (manual VIN entry available if AutoVIN does not work).

Cover More Vehicles, Diagnose Faster

FCA Gateway Access

Compatible with 2018- Chrysler, Jeep, Alfa Romeo, Fiat, and more.



CAN-FD Protocol

Enables diagnostics for 2020- GM & Chrysler Models.

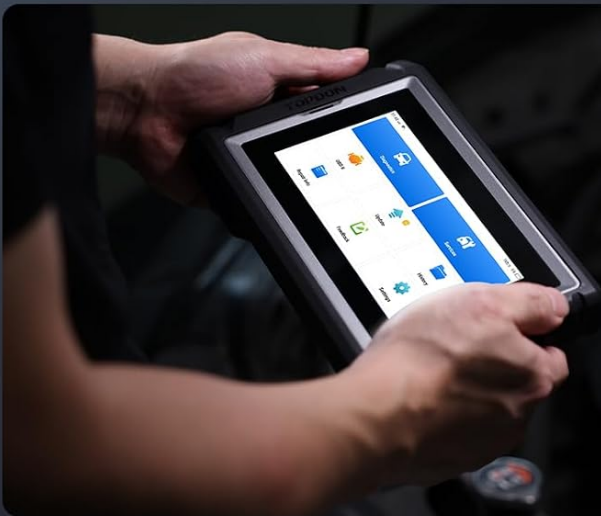


Figure 8: FCA Gateway Access and CAN-FD Protocol support.

Universal Compatibility, Global Support



Figure 9: Universal compatibility with 18 supported languages.

5. MAINTENANCE AND UPDATES

Keeping your ArtiDiag800 BT V2.0 updated ensures access to the latest diagnostic functions, expanded vehicle coverage, and enhanced system performance.

5.1. Software Updates

The device offers hassle-free software updates via Wi-Fi. You receive 2 years of free upgrades from the date of purchase.

1. Ensure your device is connected to a stable Wi-Fi network.
2. From the main interface, tap the "Update" icon.
3. You will see a list of available software updates. Tap "Update" next to the desired software to begin the download and

installation process.

- 4. For application updates, tap "App update" and follow the prompts to upgrade the APP version.
- 5. For system updates, tap "OTA" (Over-The-Air) to update the system version.

Your browser does not support the video tag.

Video 5: Instructions on how to update the software, APP, and system for ArtiDiag800 BT.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your ArtiDiag800 BT V2.0.

Problem	Possible Cause	Solution
Device does not power on.	Low battery or power adapter issue.	Charge the device using the provided power adapter. Ensure the adapter is properly connected to a power source and the device.
Cannot connect to vehicle via VCI.	VCI not properly plugged in, Bluetooth interference, or VCI fault.	◦ Ensure the VCI dongle is firmly seated in the vehicle's OBD2 port. ◦ Check Bluetooth settings on the main unit to ensure it's enabled and paired. ◦ Move the main unit closer to the VCI dongle to reduce interference. ◦ Restart both the device and the vehicle.
Software update fails.	Unstable Wi-Fi connection, insufficient storage, or server issue.	◦ Verify stable Wi-Fi connection. ◦ Check available storage space on the device (2GB RAM + 64GB ROM). Clear unnecessary files if needed. ◦ Try updating again later, as server issues can be temporary.
AutoVIN does not work.	Vehicle not supported by AutoVIN or specific vehicle conditions.	Manually input the VIN (Vehicle Identification Number) when prompted.

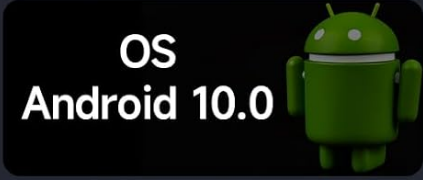
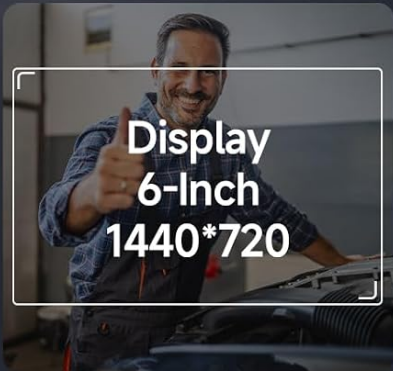
For further assistance, please contact TOPDON customer support.

7. TECHNICAL SPECIFICATIONS

Feature	Detail
Brand	TOPDON
Model	ArtiDiag800 BT V2.0
Operating System	Android 10.0
Display	6-inch LCD (1440*720 resolution)

Feature	Detail
Processor	4-Core CPU
Memory/Storage	2GB RAM + 64GB ROM
Battery	5050mAh Lithium Ion (included)
Connectivity	Bluetooth 5.0 (up to 33ft/10m wireless range), Wi-Fi
Supported Protocols	CAN FD, FCA AutoAuth, OBD2 standard protocols
Supported Languages	18 languages (Multilingual)
Dimensions (L x W x H)	8.39" x 4.69" x 1.97"
Item Weight	1.46 pounds
First Available Date	August 9, 2024

Smart Features, Robust Performance



8. WARRANTY AND SUPPORT

TOPDON is committed to providing high-quality products and excellent customer service.

8.1. Warranty Information

Your TOPDON ArtiDiag800 BT V2.0 comes with a standard warranty. Please refer to the warranty card included in your package for specific terms and conditions. The product includes 2 years of free software updates from the date of purchase (August 9, 2024).

8.2. Customer Support

For any technical assistance, troubleshooting, or inquiries, please contact TOPDON customer support:

- **Email:** support@topdon.com (24/7 online support)
- **Website:** Visit the official TOPDON website for FAQs, additional resources, and contact forms.



Figure 11: TOPDON's dedicated customer support team.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question

Open the live page

<https://manuals.plus/asin/B08TBRDH7W>

More documents and user manuals: **<https://manuals.plus/>**