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› TOPDON AD900BT OBD2 Scanner Diagnostic Tool User Manual

TOPDON AD900BT

TOPDON AD900BT OBD2 Scanner Diagnostic Tool User Manual

Model: AD900BT

Brand: TOPDON

1. INTRODUCTION AND OVERVIEW

The TOPDON AD900BT is an advanced bidirectional diagnostic scan tool designed for comprehensive automotive system diagnosis. Released in 2023, it offers a wide range of functionalities including ECU online coding, active tests, and over 28 service functions, making it suitable for professional technicians and DIY enthusiasts alike. Its wireless connectivity via Bluetooth and intuitive 7-inch touchscreen enhance user experience and efficiency.



Figure 1.1: The TOPDON AD900BT diagnostic tool, showcasing its main unit, VCI dongle, and key features such as 28+ services, ECU coding, bidirectional control, Bluetooth wireless, and support for over 130 car brands.

2. WHAT'S IN THE BOX

Upon unboxing your TOPDON AD900BT, please verify that all the following components are present:

- ArtiDiag 900 BT Main Unit
- Diagnostic VCI Dongle
- Type-C to USB Cable
- Quick Start Guide
- User Manual
- Carry Case
- Packaging Box
- 3 in 1 Adapter (for various power outlets)

ArtiDiag900 BT

More Intelligent, More Accurate

SUBJECT	 AD900 BT	 General Full System Scanner	 Other Code Reader
CPU	1.8 GHz 4-Cores	1.6 GHz 4-Cores	1.4 GHz 4-Cores
Battery	6300mAH	5000mAH	2000mAH
Service function	28+	16+	5
OBD II All Function	√	√	√
Auto VIN	√	√	√
Bi-Directional Control	√	×	×
Special Function	√	×	×
Vehicle Coverage	130+	80+	53+
Screen	7-Inch	7-Inch	3.5-Inch
ECU Coding	√(online coding)	×	×
4 in 1 Data Graph	√	×	×
Languages	18+	13	8
BT Wireless	√	√	×
Free Upgrade	2 Years free	1 Years free	Free

Figure 2.1: All items included in the TOPDON AD900BT retail package, neatly arranged for inspection.

Your browser does not support the video tag.

Video 2.1: An unboxing video demonstrating the contents of the TOPDON ArtiDiag900BT package and initial setup steps.

3. SETUP

3.1 Initial Charging

Before first use, ensure the ArtiDiag 900 BT main unit is fully charged. Connect the provided Type-C to USB cable to the device and a suitable power adapter. The 6300mAh battery provides up to 11 hours of operation on a full charge.

3.2 Connecting the VCI Dongle

The Diagnostic VCI Dongle is essential for wireless communication with the vehicle's OBD2 port. It is conveniently stored within the main unit. To retrieve it, gently press the dongle from its slot on the side of the main unit. Plug the VCI dongle into the vehicle's

OBD2 port, typically located under the dashboard on the driver's side. The dongle features 3 LED indicators to quickly show connection status.



Figure 3.1: The main unit of the AD900BT and its detachable Diagnostic VCI Dongle, highlighting the dongle's LED indicators for connection status.

3.3 Powering On and Initial Software Setup

Press and hold the power button on the main unit to turn it on. Follow the on-screen prompts for initial language selection and Wi-Fi connection. It is highly recommended to perform a software update immediately after connecting to Wi-Fi to ensure you have the latest features and vehicle compatibility. The device supports one-click updates for 2 years free of charge.

4. OPERATING THE AD900BT

4.1 Diagnostics

The diagnostic function allows you to read and clear fault codes, view live data, and perform comprehensive system scans across all vehicle modules.

- **Auto VIN:** The tool can automatically identify vehicle information, streamlining the diagnostic process.
- **Full System Diagnosis:** Perform a complete scan of all available vehicle systems (e.g., Engine, Transmission, ABS, SRS, TPMS, Immo) to identify issues.
- **Read/Clear DTCs:** Retrieve Diagnostic Trouble Codes (DTCs) from various modules and clear them after repairs.
- **Live Data Stream:** View real-time data parameters from the vehicle's sensors and modules. This data can be displayed in text, graph, or analog formats. The 4-in-1 data graphing feature allows for simultaneous monitoring of multiple parameters.

GET COVERED WITH 28+ MAINTENANCE SERVICES



- | | | | |
|--------------------|-----------------------|--------------------|-----------------------|
| • Brake Reset | • Gearbox Reset | • ADBLUE Reset | • Seats Calibration |
| • DPF | • STOP/START | • Coolant Bleed | • Transport mode |
| • IMMOBILIZER | • Gear Learning | • EGR Reset | • TYPE Reset |
| • Sunroof Reset | • Throttle Adaptation | • Language Change | • Windows Calibration |
| • Suspension Reset | • A/F Reset | • NOx Sensor Reset | |

Figure 4.1: The diagnostic interface of the AD900BT, showing options for vehicle selection and diagnostic functions.

OE-level All System Diagnosis

Always Knows Your Vehicle's Conditions



Figure 4.2: Live data stream visualization on the AD900BT, allowing for detailed analysis of vehicle performance parameters over time.

Your browser does not support the video tag.

Video 4.1: A demonstration of the powerful diagnostic capabilities of the AD900BT, including full system scans and data analysis.

4.2 Services and Special Functions

The AD900BT offers over 28 advanced service functions to assist with various maintenance and repair tasks. These include, but are not limited to:

- **ECU Coding:** Access advanced features such as enabling hidden functions, making modifications, performing power balance matching, and coding replacement parts. (Note: Availability varies by car model.)
- **Bi-directional Control (Active Test):** Send commands to vehicle systems and components (e.g., windows, mirrors, headlights, throttle) to test their functionality and quickly locate problems.
- Oil Reset, ABS Bleed, EPB Service, SAS, DPF, BMS, Throttle Reset, Injector Code, Headlights, Transmission, A/F, and more.

Unleash Total Functionality

Access to Your Max Productivity with the ArtiDiag900 BT



ECU Online
Coding



OE-level
All System
Diagnosis



Feedback
& Remote
Assistance



Diagnostic
Reports



Bi-directional
Control

28+

Special
Functions

2Years

Free Upgrade



AutoVIN

130+

Extensive
Brands Coverage

Figure 4.3: A comprehensive view of the 28+ maintenance services available on the AD900BT, categorized for easy access.

2023 Upgraded Hardware

More Intelligent, More Accurate, More Efficient



**6300
mAh**

Battery Capacity

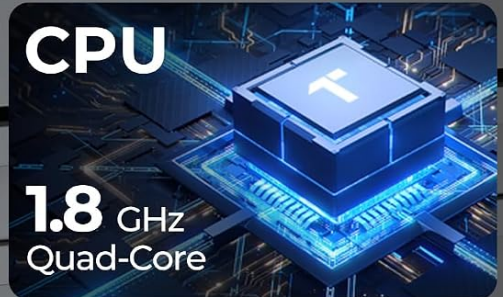


Bluetooth
5.0



CPU

1.8 GHz
Quad-Core



7"
Touch Screen



10,000+ Vehicles Coverage



Figure 4.4: The ECU Coding interface, illustrating the advanced customization and programming capabilities of the AD900BT.

5. MAINTENANCE

5.1 Software Updates

Regular software updates are crucial for maintaining optimal performance and expanding vehicle coverage. The AD900BT offers 2 years of free updates with a one-click update feature. Connect the device to a stable Wi-Fi network and navigate to the "Update" section on the main menu to download and install the latest software versions.

5.2 Device Care

To ensure the longevity of your AD900BT, keep the device clean and free from dust and debris. Use a soft, dry cloth for cleaning. Avoid exposing the device to extreme temperatures or moisture. Store the VCI dongle securely in its designated slot when not in use to prevent loss or damage.

5.3 Battery Management

The device is equipped with a 6300mAh Lithium Polymer battery. For best battery life, avoid fully discharging the battery frequently. Charge the device regularly, especially if it will be stored for an extended period.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your TOPDON AD900BT.

6.1 Connection Issues

- **VCI Dongle Not Connecting:** Ensure the VCI dongle is firmly plugged into the vehicle's OBD2 port. Check the LED indicators on the dongle; a solid green light indicates a successful connection. Verify Bluetooth is enabled on the main unit.
- **Wi-Fi Connection Failure:** Ensure your Wi-Fi network is active and the password is correct. Try restarting the device and your Wi-Fi router.

6.2 Software and Operation Problems

- **Device Freezes/Slow Performance:** Restart the device. Ensure sufficient storage space is available. Perform a software update if available.
- **Diagnostic Trouble Codes (DTCs) Not Clearing:** Ensure the underlying issue causing the DTCs has been resolved. Some codes may require specific vehicle conditions or driving cycles to clear.

6.3 Fault Code Library and Remote Assistance

The AD900BT includes an integrated OBD Fault Code Library for quick reference. For complex issues, utilize the remote assistance feature to get support from TOPDON's technical team or other skilled technicians.

7. SPECIFICATIONS

Feature	Specification
Manufacturer	TOPDON USA
Brand	TOPDON
Model	AD900BT
Item Weight	3.63 pounds
Package Dimensions	12.52 x 10.24 x 4.8 inches
Item Model Number	AD900BT
Batteries	1 Lithium Polymer batteries required (included)
CPU	4-core 1.8Ghz
Battery Capacity	6300mAh (up to 11 hours operation)

Feature	Specification
Screen Size	7-inch
Vehicle Coverage	130+ car brands, 10,000+ models
Languages Supported	18 languages
Updates	2 Years Free Updates
Connectivity	Wireless Bluetooth VCI Dongle

8. WARRANTY AND SUPPORT

The TOPDON AD900BT comes with 2 years of free software updates, ensuring your device remains current with the latest vehicle models and diagnostic features.

For technical assistance, product inquiries, or warranty claims, please contact TOPDON support:

- **Email:** Support@Topdon.com
- **US Phone Service:** 833-956-8335 (Monday-Friday, 9:00 AM - 6:00 PM Eastern Time)

Please have your product model number (AD900BT) and any relevant purchase information ready when contacting support.

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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.

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