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TOPDON ArtiDiag600

TOPDON ArtiDiag600 OBD2 Scanner Instruction Manual

1. INTRODUCTION

The TOPDON ArtiDiag600 is a professional diagnostic tool designed for comprehensive vehicle system analysis and maintenance. This device offers advanced diagnostic capabilities for four core systems (Engine, ABS, SRS, TCM) and provides eight essential reset services. Featuring an Android 7.0 operating system, a 5-inch touchscreen, and a robust 6100mAh battery, the ArtiDiag600 is engineered for efficient and user-friendly operation across a wide range of vehicle makes and models.

2. SETUP

2.1 Unboxing and Components

Upon opening the package, verify that all components are present:

- 1x TOPDON ArtiDiag600 OBD2 Scanner
- 1x Protective Case
- 1x Diagnostic Cable (OBD2 connector)
- 1x USB Cable
- 1x User Manual
- 1x Quick Guide

Note: A power adapter is not included.

2.2 Initial Power-On and Configuration

To power on the device, press and hold the power button located on the side. The device will boot up, displaying the TOPDON logo. Follow the on-screen prompts to select your preferred language, time zone, and connect to a Wi-Fi network for updates.

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Video: What's in TOPDON ArtiDiag600? This video demonstrates the unboxing process and shows the included components of the ArtiDiag600 scanner.

2.3 Connecting to Vehicle

Locate the OBD2 port in your vehicle (typically under the dashboard on the driver's side). Connect the diagnostic cable to the ArtiDiag600 scanner and then plug the other end into the vehicle's OBD2 port. The scanner will draw power directly from the vehicle.

Your browser does not support the video tag.

Video: Connecting the ArtiDiag600 to a Vehicle. This video shows the process of plugging the scanner into a car's OBD2 port and initiating a VIN scan.

3. OPERATING INSTRUCTIONS

3.1 Automatic VIN Detection

The ArtiDiag600 features Auto-VIN technology. Once connected to the vehicle, it will automatically detect and display the vehicle's VIN (Vehicle Identification Number) and other relevant information. Confirm the vehicle details to proceed with diagnostics.

3.2 4-System Diagnostics (Engine, ABS, SRS, TCM)

The scanner can diagnose four critical vehicle systems:

- **Engine System:** Reads and clears fault codes, views live data, and performs I/M readiness tests.
- **ABS (Anti-lock Braking System):** Diagnoses ABS system issues, reads and clears codes.
- **SRS (Supplemental Restraint System - Airbags):** Detects and clears airbag system fault codes.
- **TCM (Transmission Control Module):** Diagnoses transmission-related issues and clears codes.

To perform a system diagnosis:

1. From the main menu, select 'Diagnose'.
2. Choose 'AutoDetect' or manually select the vehicle make.
3. Confirm the VIN and vehicle information.
4. Select the desired system (Engine, ABS, SRS, TCM) to scan.
5. The scanner will display any detected fault codes and provide options to read live data or clear codes.

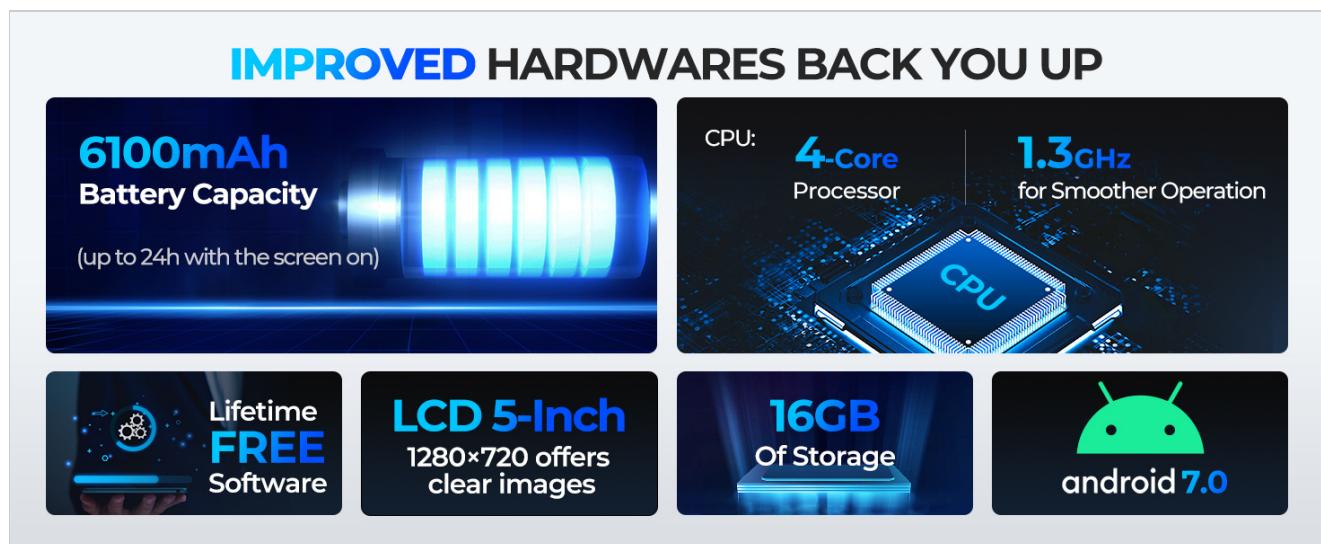


Image: 4-System Diagnostics Overview. This image illustrates the scanner's capability to diagnose Engine, ABS, SRS, and TCM systems.

3.3 Reading and Clearing Fault Codes

After a system scan, the device will list any Diagnostic Trouble Codes (DTCs). You can select a DTC to view its

description and potential causes. To clear codes, select the 'Clear Fault Code' option. Ensure you understand the cause of the fault before clearing to prevent recurrence.



Image: Diagnosing and Clearing DTCs. This image shows the sequence of reading, solving, and clearing Diagnostic Trouble Codes using the ArtiDiag600.

3.4 Live Data Stream

The 'Live Data' function allows you to view real-time parameters from the vehicle's sensors and modules. This data can be displayed in various formats, including graphs, to help identify intermittent issues or monitor system performance.

3.5 Battery Voltage Test

Monitor the vehicle's battery voltage in real-time, displayed graphically for easy analysis of battery health and charging system performance.

4. MAINTENANCE SERVICES

The ArtiDiag600 offers eight common maintenance reset services:

- **Oil Reset:** Resets the oil service light after an oil change.
- **Brake Reset (EPB):** Resets the electronic parking brake after brake pad replacement.
- **BMS Reset:** Resets the battery management system after battery replacement.
- **SAS Reset:** Resets the steering angle sensor.
- **DPF Reset (DPF Regeneration):** Initiates forced regeneration of the Diesel Particulate Filter.
- **TPMS Reset:** Resets the Tire Pressure Monitoring System after tire rotation or sensor replacement.
- **Throttle Matching:** Relearns the throttle body position.
- **Injector Coding:** Codes new injector numbers to the ECU.

To access these services, select 'Services' from the main menu and choose the desired function. Follow the on-screen instructions carefully for each procedure.

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10 Languages

English French German Spanish
Italian Russian Traditional Chinese Portuguese
Japanese Korean

40+ Vehicle Brands

Chevrolet Buick Ford Dodge Cadillac

Image: 8 Maintenance Service Functions. This image highlights the various reset and matching services available on the ArtiDiag600.

8 MAINTENANCE SERVICE FUNCTIONS

- EPB
- SAS
- DPF Regeneration

Image: DPF Regeneration Process. This image demonstrates the steps involved in regenerating a Diesel Particulate Filter using the ArtiDiag600.

5. TROUBLESHOOTING

If you encounter issues with your ArtiDiag600, consider the following:

- Device Not Powering On:** Ensure the diagnostic cable is securely connected to the vehicle's OBD2 port. Check the vehicle's battery for sufficient charge. The device has a built-in 6100mAh battery; ensure it is charged if operating independently.
- Communication Error:** Verify the diagnostic cable is correctly connected to both the scanner and the vehicle. Ensure the vehicle's ignition is on. Check for compatibility with your specific vehicle model on the TOPDON website.
- Slow Operation/Lag:** Ensure the device's software is up to date. A stable Wi-Fi connection is recommended for updates.
- Inaccurate Readings:** Confirm the vehicle information (VIN, make, model, year) is correctly identified by the scanner. Ensure all connections are secure.
- Network Not Available:** Check your Wi-Fi settings and ensure the device is within range of a strong Wi-Fi signal.

For further assistance, utilize the built-in 'Feedback' module on the device to send diagnostic logs to certified professionals, or contact TOPDON customer support directly.

6. SPECIFICATIONS

Feature	Detail
Brand	TOPDON
Model	ArtiDiag600
Operating System	Android 7.0
Screen Size	5 Inches (1280x720 resolution)
Battery	6100mAh Lithium Ion (included)
Product Dimensions	9.1"L x 1.3"W x 5"H
Item Weight	2.5 pounds
Automotive Fit Type	Universal Fit (OBDII-equipped vehicles built after 1996)
Supported Protocols	OBD2, EOBD, JOBD & CAN protocols

7. WARRANTY AND SUPPORT

The TOPDON ArtiDiag600 comes with free lifetime updates, ensuring your device always has the latest software and vehicle compatibility. For any questions or technical support, please contact TOPDON customer service:

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

For compatibility checks before purchase, visit: topdon.com/pages/support/diagnostic-tool