Autel AL609

Autel CAN/OBDII W/ABS Scan Tool User Manual

Model: AL609

Introduction

This user manual provides comprehensive instructions for the operation, maintenance, and troubleshooting of your Autel CAN/OBDII W/ABS Scan Tool, Model AL609. Please read this manual thoroughly before operating the device to ensure proper use and to prevent damage.



Image: The Autel AL609 scan tool, featuring a red and black casing, a color display showing menu options like "OBDII/EOBD", "Ready Test", "DTC Look up", "Review Data", "Print Data", "Setup", and "About". An attached cable with an OBDII connector is visible at the bottom left. Control buttons including "ESC", "OK", directional arrows, and "I/M" are present below the screen.

Key Features

- Diagnoses ABS system codes on most 1996 and newer major vehicle models.

- Turns off Malfunction Indicator Light (MIL) and ABS warning lights, clears codes and resets monitors.
- Retrieves generic (P0, P2, P3 and U0), manufacturer specific (P1, P3 and U1) codes and pending codes.
- Reads, Graphs, stores and playbacks live PCM data stream and live sensor data.
- Internet updatable and upgradable firmware.

Setup

Package Contents

Verify that all items are present in the package:

- Autel AL609 Scan Tool Unit
- OBDII Cable
- USB Cable (for updates)
- User Manual (this document)
- CD Software (if applicable)

Initial Power-Up

The AL609 scan tool does not have an internal battery and draws power directly from the vehicle's OBDII port. To power on the device:

1. Locate the vehicle's 16-pin Data Link Connector (DLC). This is typically found under the dashboard on the driver's side.
2. Ensure the vehicle's ignition is in the **OFF** position.
3. Connect the OBDII cable from the AL609 scan tool to the vehicle's DLC.
4. Turn the vehicle's ignition to the **ON** position (engine off). The scan tool will power on automatically.

Alternatively, the tool can be powered via a USB connection to a computer for software updates.

Operating Instructions

Navigating the Menu

Use the directional arrow buttons (**UP**, **DOWN**, **LEFT**, **RIGHT**) to navigate through the menu options displayed on the screen. Press the **OK** button to confirm a selection. The **ESC** button is used to return to the previous screen or cancel an operation.

Reading Diagnostic Trouble Codes (DTCs)

1. From the main menu, select **OBDII/EOBD** or **DTC Look up**.
2. The tool will establish communication with the vehicle's ECU.
3. Once connected, select **Read Codes** to display current, pending, or historic DTCs.
4. For ABS codes, navigate to the **ABS** menu option if available, or select the appropriate system.

Clearing Codes and Resetting Monitors

Warning: Clearing codes will erase all diagnostic trouble codes and freeze frame data from the vehicle's computer. Ensure you have recorded all necessary information before proceeding.

1. After reading codes, select **Erase Codes** or **Clear DTCs** from the menu.
2. Confirm the action when prompted.
3. The Malfunction Indicator Light (MIL) and ABS warning lights should turn off if the underlying issue has been

resolved.

Live Data Stream

The tool can display real-time data from the vehicle's sensors. This is useful for diagnosing intermittent problems or verifying repairs.

- Select **Live Data** from the main menu.
- Choose the parameters you wish to view. Data can be displayed in text or graph format.

I/M Readiness Status

The **I/M** button (Inspection/Maintenance Readiness) provides quick access to the emission readiness status. This indicates if the vehicle's emission systems are ready for an inspection test.

- Press the **I/M** button on the device.
- The screen will display the status of various monitors (e.g., O2 Sensor, Catalyst, EVAP System). A "Ready" status indicates the monitor has completed its diagnostic cycle.

Maintenance

Cleaning the Device

Use a soft, damp cloth to clean the exterior of the scan tool. Do not use abrasive cleaners or solvents. Keep the screen free of dust and smudges for optimal visibility.

Software Updates

The Autel AL609 is internet updatable. Regular software updates ensure compatibility with newer vehicle models and provide enhanced features.

1. Visit the official Autel website (www.autel.com) to download the latest update software for your AL609.
2. Connect the scan tool to your computer using the provided USB cable.
3. Follow the instructions provided with the update software to complete the process.

Storage

Store the scan tool in a dry, clean environment, away from extreme temperatures and direct sunlight. Keep the OBDII cable neatly coiled to prevent damage.

Troubleshooting

Common Issues and Solutions

Problem	Possible Cause	Solution
Tool does not power on.	No power from vehicle's DLC; Loose connection; Vehicle ignition off.	Ensure vehicle ignition is ON (engine off). Check OBDII cable connection. Verify vehicle's DLC has power (check vehicle fuse).
Communication error with vehicle.	Incorrect protocol; Faulty cable; Vehicle's ECU issue.	Verify vehicle compatibility. Reconnect cable. Try on another vehicle if possible. Ensure vehicle battery is adequately charged.
Cannot clear codes.	Underlying fault still present; Ignition not in ON position.	Address the root cause of the DTCs first. Ensure ignition is ON (engine off).

Problem	Possible Cause	Solution
Screen frozen or unresponsive.	Software glitch.	Disconnect from vehicle, then reconnect. Perform a software update if available.

Specifications

Feature	Detail
Model Number	AL609
Brand	Autel
Dimensions	7.83 x 4.11 x 1.48 inches
Item Weight	0.01 ounces
Connectivity	OBDII, USB
Supported Protocols	OBDII/EOBD (CAN, ISO9141, KWP2000, J1850 VPW, J1850 PWM)
Display	Color TFT display
Operating Temperature	0 to 60°C (32 to 140°F)
Storage Temperature	-20 to 70°C (-4 to 158°F)

Warranty Information

Autel products are designed and manufactured to the highest standards. This product is covered by a limited warranty against defects in materials and workmanship for a period specified at the time of purchase. Please refer to the warranty card included with your product or visit the official Autel website for detailed warranty terms and conditions.
Keep your purchase receipt as proof of purchase for warranty claims.

Customer Support

For technical assistance, product inquiries, or warranty service, please contact Autel Customer Support:

- **Website:** www.autel.com/support
- **Email:** Refer to the support section on the official website.
- **Phone:** Refer to the support section on the official website for regional contact numbers.

When contacting support, please have your product model (AL609) and serial number ready.

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