Autel Autel AL519

Autel AutoLink AL519 OBD2 Scanner User Manual

Model: Autel AL519

1. Introduction

The Autel AutoLink AL519 is an advanced OBD2 scanner designed for comprehensive vehicle diagnostics. It provides full OBDII functions, including reading and clearing diagnostic trouble codes (DTCs), viewing live data, performing I/M readiness tests, and more. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your AL519 scanner.



Image: The Autel AutoLink AL519 OBD2 Scanner with its protective rubber casing and a black carrying case.

2. Setup

Before using your Autel AutoLink AL519, ensure all components are present and connect the device correctly to your vehicle.

2.1. Unpacking and Component Check

Verify that the following items are included in your package:

- Autel AutoLink AL519 Main Unit
- OBDII Cable
- USB Cable
- User Manual (this document)
- Carrying Case



Image: Visual representation of the AL519 packing list, including the main unit, storage bag, manual, data line, and OBDII connector.

2.2. Connecting to Vehicle

The AL519 connects directly to your vehicle's On-Board Diagnostics II (OBDII) port. This port is typically located under the dashboard on the driver's side.

1. Locate the 16-pin Data Link Connector (DLC) on your vehicle.
2. Connect the OBDII cable from the AL519 scanner to the vehicle's DLC. Ensure a secure connection.
3. The scanner will power on automatically once connected to the vehicle's OBDII port.



Image: A hand connecting the OBDII cable from the AL519 scanner to a vehicle's OBDII port, illustrating the plug-and-play functionality.

3. Operating Instructions

The Autel AutoLink AL519 offers a range of diagnostic functions accessible through its user-friendly interface.

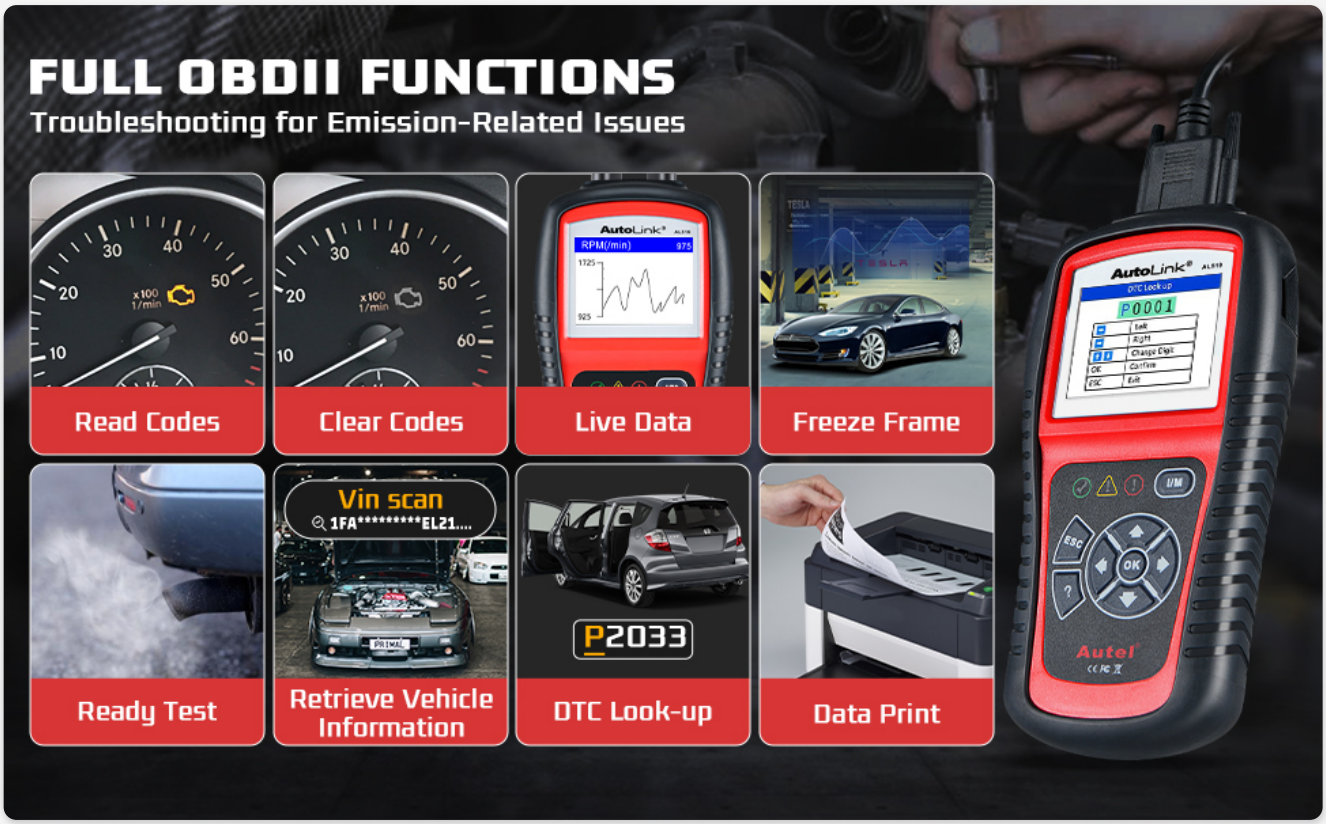


Image: An overview of the full OBDII functions available on the Autel AL519, including Read Codes, Clear Codes, Live Data, Freeze Frame, Ready Test, Retrieve Vehicle Information, DTC Look-up, and Data Print.

3.1. Reading and Clearing Diagnostic Trouble Codes (DTCs)

The scanner can retrieve generic (P0, P2, P3, and U0) and manufacturer-specific (P1, P3, and U1) codes, as well as pending codes.

- **Read Codes:** Select "Read Codes" from the Diagnostic Menu to display current, pending, and permanent DTCs.
- **Clear Codes:** After addressing the underlying issue, select "Erase Codes" to turn off the Check Engine Light

(CEL) and clear all diagnostic information.



Image: The AL519 displaying the DTC Lookup function, showing how to input a code and view its definition, such as "P0001 Fuel Volume Regulator Control Circuit/Open."

3.2. Viewing Live Data

The AL519 allows you to view real-time operational data from the vehicle's sensors in both text and graph formats, aiding in pinpointing faulty components.

- Select "Live Data" from the Diagnostic Menu.
- Choose to view data in text or graphical format. Graphing multiple sensors simultaneously can help identify correlations and anomalies.



Image: The AL519 screen showing live data in a graphical representation, specifically RPM, with a vehicle in the background indicating data flow.

3.3. I/M Readiness Status (Smog Check)

This function checks the readiness of the emission-related monitoring systems on the vehicle, crucial for passing annual smog checks.

- Press the dedicated **I/M** button for a quick status check.
- The display will show whether various monitors (e.g., Misfire, Fuel, Catalyst, O2 Sensors, EVAP) are "Ready" or "Not Ready."



Image: The AL519 displaying the I/M Readiness screen, showing the status of various vehicle monitors with checkmarks and crosses, indicating readiness for an emission test.

3.4. Retrieve Freeze Frame Data & Vehicle Information

- **Freeze Frame Data:** Captures a snapshot of critical engine parameters (e.g., RPM, fuel pressure, engine coolant temperature) at the moment a DTC was set, providing context for troubleshooting.
- **Vehicle Information:** Retrieves details such as Vehicle Identification Number (VIN), Calibration ID(s), and Calibration Verification Nos. (CVNs).

3.5. Data Printing

The AL519 allows you to record and print diagnostic data via a PC for detailed review or sharing with mechanics.



Image: The AL519 connected to a laptop and printer, illustrating the data print function for reviewing and sharing diagnostic reports.

4. Maintenance

Proper maintenance ensures the longevity and optimal performance of your AL519 scanner.

4.1. Software Updates

The Autel AutoLink AL519 comes with lifetime free software updates. Regularly updating the software ensures compatibility with newer vehicle models and access to the latest diagnostic features.

- Connect the scanner to a computer using the provided USB cable.
- Visit the official Autel website (www.auteltech.com) to download the latest update software and instructions.
- Follow the on-screen prompts to complete the update process.



Image: The AL519 connected to a laptop via USB, indicating the process for lifetime software updates.

4.2. Cleaning and Storage

- Clean the scanner's exterior with a soft, damp cloth. Avoid using abrasive cleaners or solvents.
- Store the device in its provided carrying case when not in use to protect it from dust and physical damage.
- Keep the device away from extreme temperatures and direct sunlight.



Image: The AL519 scanner resting on a car seat, highlighting its rugged case design for durability and protection.

5. Troubleshooting

This section addresses common issues you might encounter with your AL519 scanner.

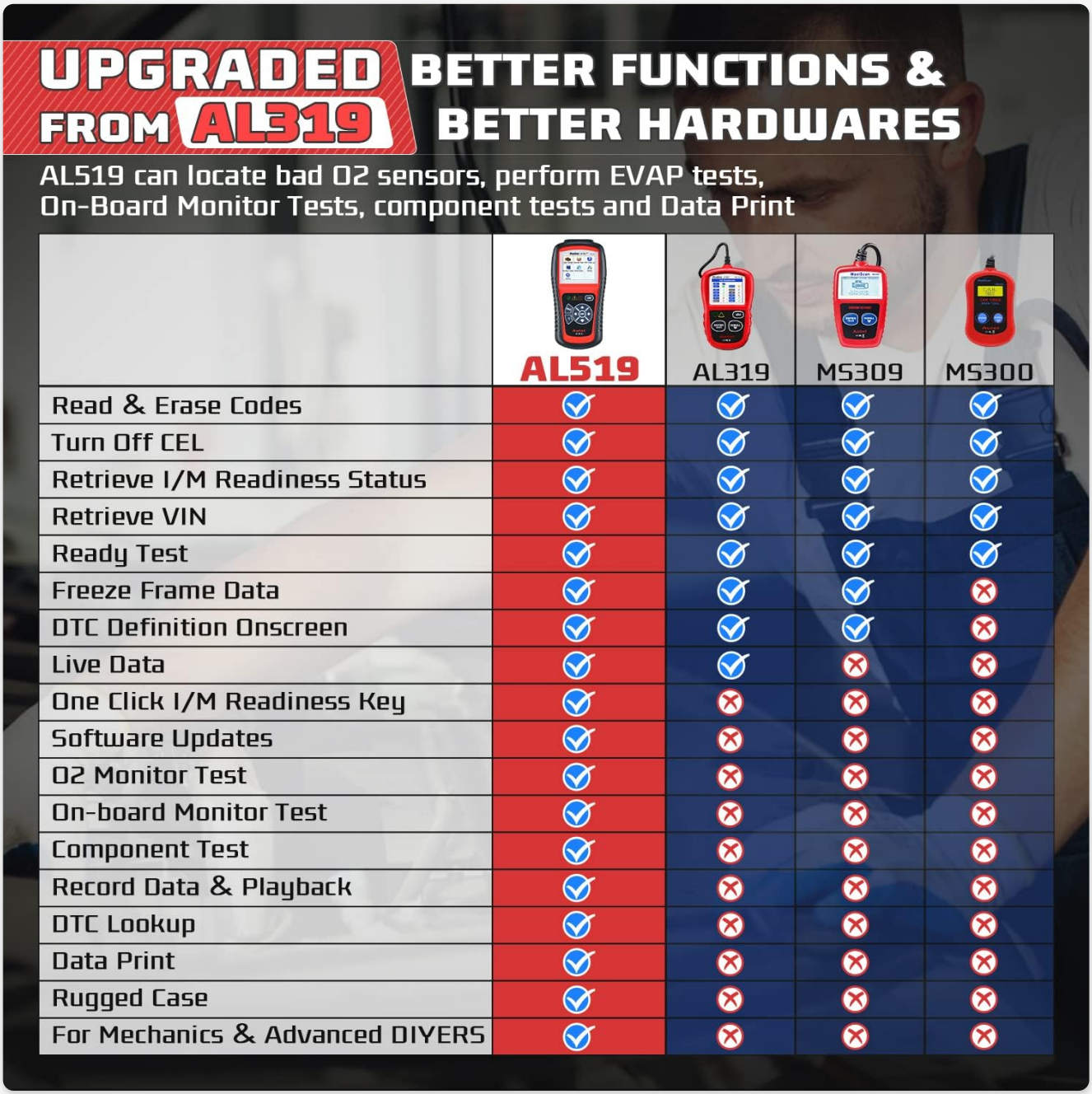


Image: A collage showing common car issues like an engine shut-off solenoid, high intake air temperature, or an open injector circuit, with the AL519 scanner providing solutions.

5.1. Scanner Does Not Power On

- Ensure the OBDII cable is securely connected to both the scanner and the vehicle's DLC.
- Verify that the vehicle's ignition is in the "ON" position (engine off or running).
- Check the vehicle's fuse for the OBDII port.

5.2. Link Error / Communication Error

- Confirm the vehicle supports the OBDII protocol (most vehicles from 1996 onwards do).
- Ensure the ignition is "ON" and the cable connection is secure.
- Try connecting the scanner to a different OBDII-compliant vehicle to rule out a scanner issue.

5.3. Codes Do Not Clear

- The underlying issue causing the DTC must be resolved before the code can be permanently cleared. Clearing

a code without fixing the problem will result in the code reappearing.

- Ensure the ignition is "ON" (engine off) when attempting to clear codes.

6. Specifications

Key technical specifications for the Autel AutoLink AL519 OBD2 Scanner:

Feature	Detail
Brand	Autel
Model	U-S-AL519 (Autel AL519)
Product Dimensions	7.83"L x 1.48"W x 4.11"H
Item Weight	10.6 ounces
Display Resolution	320x240
Voltage	12 Volts
Language Support	English (Multilingual menu available)
OBDII Protocols	Supports all 10 OBDII modes of operation
Vehicle Coverage	Most worldwide cars, SUVs, Light Trucks, 12V diesels (1996 and newer)



Image: A world map highlighting regions and car brands (Ford, BMW, Audi, Jeep, Lexus, Mercedes-Benz, Tesla, Citroen) compatible with the AL519, indicating extensive vehicle coverage from 1996 onwards.

7. Warranty and Support

Autel provides comprehensive support for the AutoLink AL519 scanner.

7.1. Warranty Information

The Autel AutoLink AL519 auto diagnostic scanner comes with a**12 Months warranty** from defects. It is also backed by a 30 Days REPLACEMENT or FULL REFUND policy.

7.2. Technical Support

For any questions or concerns, please do not hesitate to contact Autel's customer service team directly via email: auteldirect@outlook.com. Lifetime free technical support is provided.
Note: The Autel AL519/ML519 is a basic OBD2 code reader and does not require registration.

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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