Autel AutoLink AL619

Autel AutoLink AL619 User Manual

Model: AutoLink AL619
Brand: Autel

1. Introduction

The Autel AutoLink AL619 is a powerful and versatile diagnostic scan tool designed to help automotive technicians and DIY enthusiasts diagnose issues with their vehicles. This device supports all 10 modes of OBDII tests, as well as advanced Anti-lock Braking System (ABS) and Supplemental Restraint System (SRS) diagnostics. It provides comprehensive data to identify the root cause of warning lights and facilitate efficient repairs.



Image: The Autel AutoLink AL619 diagnostic tool, its carrying case, and OBDII cable.

2. Setup and Connection

2.1. Package Contents

Before beginning, ensure all components are present:

- Autel AutoLink AL619 Main Unit
- OBDII Cable
- USB Cable
- User Manual (this document)
- Carrying Case
- MicroSD Card (pre-installed)

2.2. Connecting to the Vehicle

1. Locate the vehicle's Data Link Connector (DLC). This is typically located under the dashboard on the driver's side.
2. Ensure the vehicle's ignition is in the OFF position.
3. Connect the OBDII cable to the AL619 unit and then to the vehicle's DLC. Ensure a secure connection.
4. Turn the vehicle's ignition to the ON position (engine off). The AL619 unit will power on automatically.

Your browser does not support the video tag.

Video: Demonstration of connecting the Autel AL619 to a vehicle's OBDII port and navigating the initial menu. This video also shows the physical buttons, screen, and ports on the device.

3. Operating the AL619

3.1. Main Menu Overview

The main menu provides access to the primary diagnostic functions:

- **OBDII:** For standard OBDII diagnostics, including reading/erasing codes, live data, and I/M readiness.
- **ABS/SRS:** For advanced Anti-lock Braking System and Supplemental Restraint System diagnostics.
- **Setup:** To configure device settings such as language, units, and sound.
- **Playback:** To review previously recorded diagnostic data.



Image: The Autel AutoLink AL619 displaying its main menu, highlighting key diagnostic functions.

3.2. ABS/SRS Diagnostics

This function allows you to diagnose issues within the Anti-lock Braking System and Supplemental Restraint System. Note that compatibility for ABS/SRS diagnosis can be vehicle-specific.

1. From the Main Menu, select **ABS/SRS**.
2. Choose your vehicle's region (e.g., USA, European, Asian).
3. Select your vehicle's make, model, and year. You may also be prompted to enter the Vehicle Identification Number (VIN) for automatic detection.
4. The tool will attempt to establish communication with the vehicle's ABS/SRS modules.
5. Once connected, you can read and clear diagnostic trouble codes (DTCs) related to these systems.



Image: An illustration showing the ABS and SRS systems within a vehicle, emphasizing the diagnostic capabilities of the AL619 for these critical safety systems.

3.3. Full OBDII Functions

The AL619 supports all 10 modes of OBDII tests, enabling comprehensive engine and emissions-related diagnostics.

- **Read Codes:** Displays stored, pending, and permanent Diagnostic Trouble Codes (DTCs).
- **Erase Codes:** Clears DTCs from the vehicle's computer and turns off the Check Engine Light (CEL).
- **Live Data:** Displays real-time data stream from the vehicle's sensors in text or graph format.
- **Freeze Frame:** Shows a snapshot of sensor values at the moment a DTC was set.
- **I/M Readiness:** Checks the status of emission-related monitors.
- **O2 Monitor Test:** Retrieves O2 sensor monitor test results.
- **On-Board Monitor Test:** Retrieves test results for emission-related powertrain components and systems.
- **Component Test:** Allows initiation of a leak test for the vehicle's EVAP system.
- **Vehicle Info:** Retrieves vehicle information such as VIN, Cal ID, and CVN.

- **Modules Present:** Identifies communication modules in the vehicle.



Image: A visual representation of the full OBDII diagnostic capabilities of the AL619, including icons for various tests.

3.4. DTC Lookup

The AL619 features a built-in DTC library. When a code is displayed, you can select the DTC Lookup function to view a detailed definition of the code, helping you understand the nature of the problem without needing external resources.



Image: The AL619 screen showing the DTC Lookup function, illustrating how it provides definitions for diagnostic trouble codes.

3.5. Live Data & Freeze Frame

Monitor real-time sensor data to observe vehicle performance and identify anomalies. The Freeze Frame function captures critical data parameters at the exact moment a fault code is triggered, providing valuable context for diagnosis.



Image: The AL619 screen displaying live data parameters and a freeze frame data example, showing various vehicle metrics.

3.6. Data Playback & Printing

The AL619 allows you to record and play back live data streams for later analysis. You can also connect the device to a Windows PC to print diagnostic reports, which can be useful for sharing information with others or for record-keeping.



Image: The AL619 unit next to a printer, illustrating the data print-out capability and highlighting lifetime free updates.

4. Maintenance

4.1. Software Updates

The Autel AutoLink AL619 comes with lifetime free software updates. Regularly updating your device ensures it has the latest vehicle coverage and diagnostic capabilities. Updates are typically performed by connecting the device to a computer via the USB cable and using Autel's update software.

4.2. Cleaning and Storage

To maintain the longevity and performance of your AL619:

- Clean the device with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Store the device in its protective carrying case when not in use.
- Avoid exposing the device to extreme temperatures, direct sunlight, or excessive moisture.

5. Troubleshooting

5.1. "Communicating" Error / No Communication

If the device displays a "Communicating" error or fails to establish communication with the vehicle's modules, consider the following:

- **Check Ignition:** Ensure the vehicle's ignition is switched to the ON position (engine off).
- **Cable Connection:** Verify that the OBDII cable is securely connected to both the AL619 and the vehicle's DLC. Try disconnecting and reconnecting.
- **Vehicle Compatibility:** While the AL619 offers wide coverage, ABS/SRS diagnosis is not universally compatible with all vehicles. Consult the Autel website or contact support with your VIN to confirm compatibility for specific functions.
- **Vehicle Power:** Ensure the vehicle's battery has sufficient charge. Low battery voltage can sometimes interfere with communication.



Image: A map illustrating the wide vehicle coverage of the Autel AL619 for various regions and car brands.

6. Specifications

Feature	Detail
Brand	Autel
Model	AutoLink AL619 (U-S-AL619)
Operating System	No (Dedicated Device)
Language	English (supports 13+ languages)
Display Resolution	320x240
Automotive Fit Type	Vehicle Specific Fit
Item Weight	9.9 ounces
Product Dimensions	7.87 x 4.13 x 1.5 inches
Special Features	ABS, AirBag Systems Diagnosis (Non-Universal), ALL 10 Modes of OBD2 Tests, Lifetime Free Software Updates, OBD2/CAN System Diagnosis (Universally compatible with all OBD2 compliant vehicles), Supports all OBD2 protocols: KWP2000, ISO2000, ISO9141, J1850 VPW, J1850 PWM and CAN.
UPC	659521045252, 721272381351, 601116109139

7. Warranty and Support

7.1. Warranty Information

The Autel AutoLink AL619 comes with a 1-year brand warranty. This warranty covers manufacturing defects and ensures the product meets quality standards. For specific details regarding warranty claims, please refer to the official Autel warranty policy or contact Autel support.

7.2. Customer Support

For any questions, concerns, or technical assistance, please contact Autel Direct support. They offer 24/7/365 fast reply and professional technical support backed by Autel HQ tech supports.
Email: auteldirect@outlook.com
Official Website: For compatibility checks and additional resources, visit www.autel.com and navigate to Support & Updates > Knowledge Base > Vehicle Coverage > Model AL619.

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