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Autel AL619

Autel AutoLink AL619 OBD2 Scanner User Manual

Model: AL619 | Brand: Autel

Introduction

The Autel AutoLink AL619 is an advanced diagnostic scan tool designed to assist in identifying and resolving issues within a vehicle's Anti-lock Braking System (ABS), Supplemental Restraint System (SRS), and On-Board Diagnostics II (OBDII) systems. This device is capable of reading and clearing diagnostic trouble codes (DTCs), turning off warning lights, and providing real-time data for comprehensive vehicle analysis. It serves as an essential tool for both professional technicians and automotive enthusiasts seeking accurate and efficient vehicle diagnostics.

Product Overview



Autel AutoLink AL619 Device and Packaging: This image displays the AL619 diagnostic tool alongside its packaging, emphasizing its core functionalities for ABS, SRS, and general service indicators. The device features a clear screen and intuitive button layout for user interaction.



Key Diagnostic Functions: The AL619 offers 12 essential diagnostic functions, including ABS & SRS system diagnosis, turning off the Check Engine Light (MIL), DTC Look-up, reading and erasing codes, accurate live data, freeze frame data, I/M Readiness Status, O2 Monitor Test, On-Board Monitor Test, Component Test, Viewing Vehicle Info, and Lifetime Free Updates.



Enhanced ABS & SRS System Diagnostic: This visual highlights the tool's capability to diagnose and manage issues related to the Anti-lock Braking System (ABS) and Supplemental Restraint System (SRS), crucial for vehicle safety and performance.

Setup

To begin using your Autel AutoLink AL619, ensure the vehicle's ignition is turned ON but the engine is not running. Connect the AL619 to the vehicle's OBDII port, typically located under the dashboard. The device will power on automatically via the vehicle's battery. For initial setup or software updates, connect the device to a PC using the provided USB cable. The operating system and necessary software are stored on the included micro SD card, which must be inserted for the device to function.

Operating the AL619

Performing ABS/SRS Diagnostics

Follow these steps to perform ABS/SRS system diagnostic testing:

1. Turn the vehicle's ignition ON, but do not start the engine.
2. Turn on the AL619 scan tool and wait for the Main Screen to appear.

3. Select the 'AbsSrs' icon from the Main Screen.
4. Select the specific vehicle manufacturer's regional coverage (e.g., Asian, European, USA).
5. From the vehicle make screen, select the specific vehicle manufacturer and press the 'OK' button. The tool will then link to the vehicle and begin processing data.

OBDII Diagnostics Functions

The OBDII Diagnostics function provides quick access to the engine system. Key functions include:

- **Read Codes:** Retrieves Diagnostic Trouble Codes (DTCs) from the vehicle's computer.
- **Erase Codes:** Clears DTCs from the vehicle's computer, turning off the Check Engine Light.
- **Live Data:** Displays real-time PID data of the vehicle's computer module(s). This allows for dynamic monitoring of various sensor readings and operational parameters.
- **Freeze Frame:** Captures a snapshot of the vehicle's operating conditions at the moment a fault code was set, aiding in diagnosis.
- **Retrieving I/M Readiness Status:** Checks if the various emissions-related systems on the vehicle are operating correctly and are ready for inspection and maintenance testing.
- **O2 Monitor Test:** Retrieves O2 sensor monitor test results for the most recently completed tests from the vehicle's on-board computer.
- **On-Board Monitor Test:** Retrieves test results for emission-related powertrain components and systems that are not continuously monitored.
- **Component Test:** Allows initiation of a leak test for the vehicle's EVAP system.
- **Viewing Vehicle Information:** Retrieves Vehicle Identification Number (VIN), Calibration ID (CALID), and Calibration Verification Number (CVN) from the vehicle.
- **DTC Lookup:** Provides definitions for diagnostic trouble codes directly on the device, improving work efficiency.



Live Data and Freeze Frame: This image illustrates the AL619's ability to display live sensor data and freeze frame information, providing critical insights into vehicle performance at the time of a fault.



Viewing Vehicle Information: The tool can quickly retrieve essential vehicle identification details such as VIN (Vehicle Identification Number), CIN (Calibration Identification Number), and CVN (Calibration Verification Number).



Quick DTC Definition Lookup: This feature allows users to quickly look up the definitions of Diagnostic Trouble Codes (DTCs) directly on the device, streamlining the diagnostic process.

Maintenance

To ensure the longevity and optimal performance of your Autel AutoLink AL619, follow these maintenance guidelines:

- **Cleaning:** Use a soft, damp cloth to clean the exterior of the device. Avoid using abrasive cleaners or solvents that could damage the screen or casing.
- **Storage:** Store the device in its provided carrying case when not in use to protect it from dust, moisture, and physical damage. Keep it in a dry environment away from extreme temperatures.
- **Software Updates:** Regularly update the device's software to ensure compatibility with the latest vehicle models and to access new features or bug fixes. Updates are available for free for the lifetime of the product.
- **Cable Care:** Inspect the OBDII cable and USB cable for any signs of wear or damage before each use. Replace damaged cables immediately to prevent electrical issues or inaccurate readings.

Troubleshooting

If you encounter issues while using your Autel AutoLink AL619, consider the following common troubleshooting steps:

- **Device Not Powering On:** Ensure the device is correctly connected to the vehicle's OBDII port and the vehicle's ignition is ON. The AL619 draws power directly from the vehicle. If connecting to a PC, ensure the USB cable is securely connected and the PC's USB port is functional.
- **Communication Error:** Verify that the vehicle's ignition is ON and the AL619 is securely connected to the OBDII port. Check for any loose connections. Ensure the vehicle is compatible with the AL619 (most 1996 and newer major car models).
- **Inaccurate Readings/Codes:** Ensure the software is up-to-date. Incorrect software versions can lead to compatibility issues or misinterpretations of data.
- **Screen Issues (e.g., blank screen, distorted display):** Perform the LCD Test function available in the 'Setup' menu to check the display's integrity. If issues persist, contact customer support.
- **Buttons Not Responding:** Use the 'Key Test' function in the 'Setup' menu to verify button functionality. If specific buttons are unresponsive, this may indicate a hardware issue.
- **Unable to Clear Codes:** Some codes may be 'hard codes' that require a repair to the underlying issue before they can be cleared. Ensure the vehicle's problem has been resolved before attempting to clear codes.

For persistent issues or technical support, please refer to the official Autel support channels or the user manual PDF available online.

Specifications

Feature	Detail
Manufacturer	Autel
Item Weight	1.85 pounds
Product Dimensions	7.83 x 4.11 x 1.48 inches
Item Model Number	AL619
Display	TFT color display (320 x 240 dpi)
Operating Temperature	0°C to 60°C (32°F to 140°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
External Power	8.0 to 18.0 V power provided via vehicle battery
Operating System	Android 4.4
UPC	721352027551, 675234379972

Warranty and Support

The Autel AutoLink AL619 comes with a 12-month warranty, ensuring peace of mind regarding manufacturing defects and performance issues. Additionally, Autel provides free lifetime software updates online, allowing your device to remain compatible with new vehicle models and diagnostic protocols. For further assistance, technical support, or to download the latest software, please refer to the official Autel website or the comprehensive User Manual (PDF) available for download.
For real-time tech support, you may also email the provided support address:autelchoice@outlook.com.

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