Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Autel MaxiSys MS919- Scanner Newer

Autel MaxiSys MS919 Intelligent Diagnostic Scan Tool User Manual

Model: MaxiSys MS919- Scanner Newer
Brand: Autel

1. Overview

The Autel MaxiSys MS919 is a professional-grade intelligent diagnostic scan tool designed for comprehensive vehicle analysis and repair. It integrates advanced diagnostic functions, ECU programming and coding capabilities, and a versatile 5-in-1 VCMI (Vehicle Communication and Measurement Interface) to provide a complete solution for automotive technicians. This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your MS919 device.



Figure 1.1: Autel MaxiSys MS919 Intelligent Diagnostic Scan Tool and its components.

2. Product Features

The Autel MaxiSys MS919 offers a robust set of features to enhance diagnostic and repair efficiency:

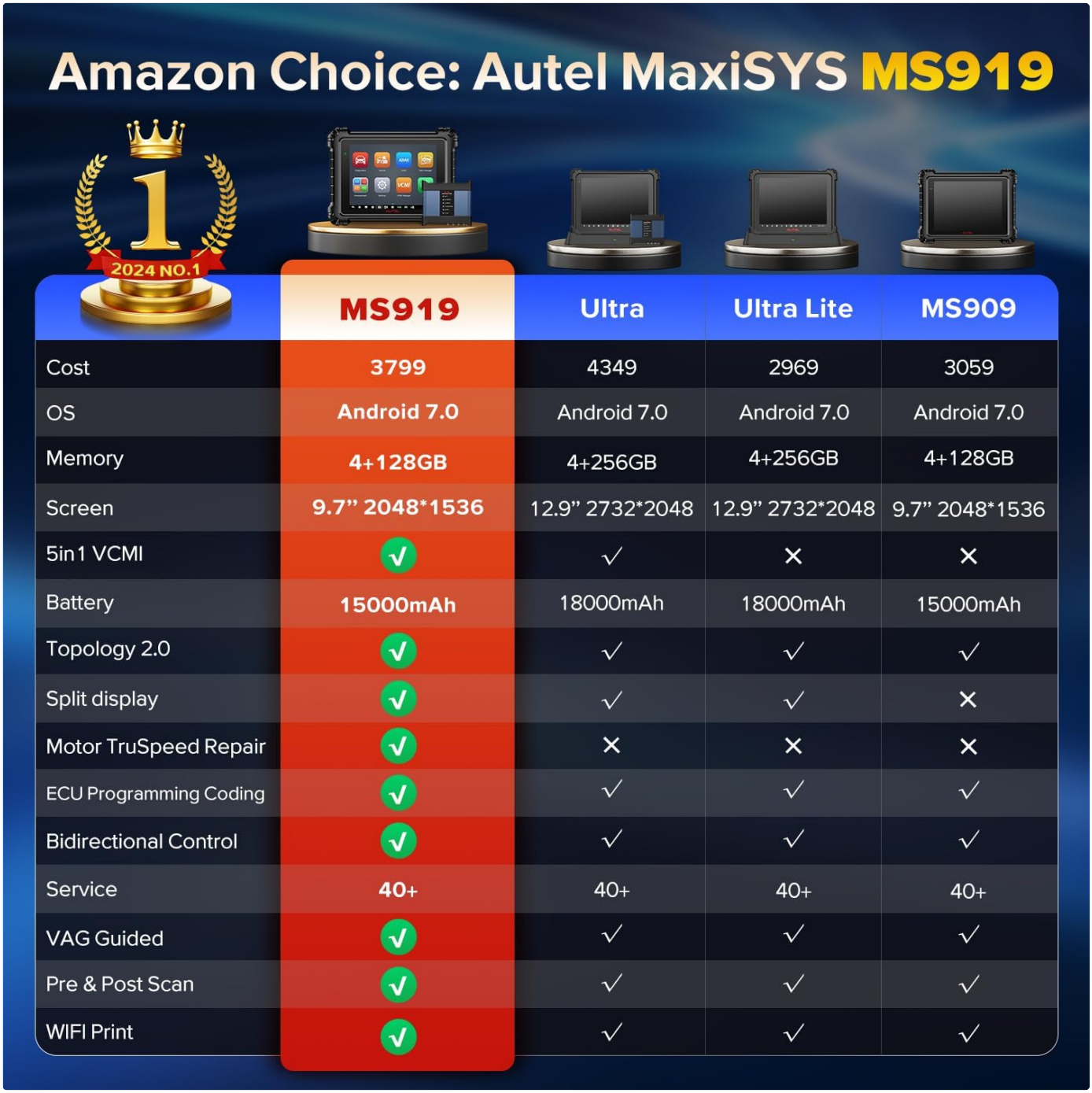
- **Advanced Hardware:** Powered by Android 7.0 OS with an Octa-Core CPU, 4GB RAM, 128GB storage, and a 9.7-inch 2048x1536 display. Features 5G&2.4G WIFI and a 15000mAh battery.
- **5-in-1 VCMI:** The MaxiFlash VCMI integrates an oscilloscope, waveform generator, multimeter, and OBD2 CAN Bus Check, providing comprehensive diagnostic and measurement capabilities.
- **Motor TruSpeed Repair:** Offers OEM service and repair content including wiring diagrams, DTC information, TSBs, maintenance schedules, and component location diagrams. This is an optional paid function.
- **Topology Map 2.0:** Provides a visual representation of communication structures between vehicle modules, displaying real-time connection status and quickly locating faults.
- **ECU Programming & Coding:** Supports top-line ECU programming for Mercedes-Benz and BMW, allowing for

backup, restoration, parameter changes, and optimization of vehicle performance. Also supports ECU coding for a wide range of vehicles.

- **40+ Service Functions:** Includes a wide array of maintenance services such as ABS, SAS, Power Balance, Throttle Relearn, Oil Reset, EPB Reset, Injector Coding, BMS Reset, and Suspension/SRS Reset.
- **3000+ Active Tests (Bi-directional Control):** Enables technicians to quickly troubleshoot by sending commands to vehicle actuators, including Compression Test, radiator fan control, A/C Clutch On/Off, Fuel Pump, and Mirror Test.
- **Protocol Support:** Compatible with D-PDU, SAE J2534, RP1210, DOIP, and CAN FD protocols, covering a broad range of modern vehicles.
- **FCA SGW & Auto Auth:** Supports FCA SGW function for 2017+ FCA vehicles (Chrysler, Dodge, Jeep, Alfa Romeo, Fiat) and Renault SGW, allowing direct access for maintenance and diagnosis.
- **New Added Functions:** Includes Battery Test (requires BT506), Remote Expert & Remote Desk, Cloud diagnostics upload, WIFI Print for diagnostic reports, Endoscope Functions (requires MV108), Pre-Scan & Post Scan Reports, Auto scan VIN & scan license.



Figure 2.1: Overview of Ultra-Level functions and new features of the MS919.



	MS919	Ultra	Ultra Lite	MS909
Cost	3799	4349	2969	3059
OS	Android 7.0	Android 7.0	Android 7.0	Android 7.0
Memory	4+128GB	4+256GB	4+256GB	4+128GB
Screen	9.7" 2048*1536	12.9" 2732*2048	12.9" 2732*2048	9.7" 2048*1536
5in1 VCMI	√	√	×	×
Battery	15000mAh	18000mAh	18000mAh	15000mAh
Topology 2.0	√	√	√	√
Split display	√	√	√	×
Motor TruSpeed Repair	√	×	×	×
ECU Programming Coding	√	√	√	√
Bidirectional Control	√	√	√	√
Service	40+	40+	40+	40+
VAG Guided	√	√	√	√
Pre & Post Scan	√	√	√	√
WIFI Print	√	√	√	√

Figure 2.2: Feature comparison of MS919 against other Autel MaxiSys models.



Figure 2.3: Visual representation of the Topology Map 2.0 feature.



Figure 2.4: Details on ECU Programming and Coding functions.



Figure 2.5: Examples of Bi-directional Control and Active Tests.



Figure 2.6: Explanation of the Motor TruSpeed Repair function.



Figure 2.7: Examples of the 40+ service functions.



Figure 2.8: Highlights of new functions introduced in 2025.

3. Setup

3.1 Unpacking and Initial Inspection

Carefully unpack all items from the packaging. Verify that all components listed in the "What's in the Box" section are present and undamaged. If any items are missing or damaged, contact Autel support immediately.

3.2 Charging the Device

Before first use, fully charge the MS919 tablet using the provided power adapter. The charging indicator will show the charging status. A full charge ensures optimal performance and battery longevity.

3.3 Connecting the VCMI

Connect the MaxiFlash VCMI to the vehicle's OBDII port. Ensure a secure connection. The VCMI communicates wirelessly with the MS919 tablet, but a stable connection to the vehicle is crucial for diagnostics.

3.4 Initial Power-On and Configuration

Press and hold the power button to turn on the MS919. Follow the on-screen prompts to complete the initial setup, including language selection, Wi-Fi connection, and software updates. It is recommended to update the software to the latest version upon first use to ensure access to the most current vehicle coverage and features.

4. Operating Instructions

4.1 Vehicle Connection and Identification

Once the VCMI is connected to the vehicle and paired with the MS919, select "Diagnostics" from the main menu. The system will automatically attempt to identify the vehicle via VIN scan. If automatic identification fails, manual selection of vehicle make, model, and year is required.

4.2 Auto Scan and System Status

Initiate an "Auto Scan" to perform a comprehensive scan of all available vehicle systems. The Topology Map 2.0 will display the communication status of each module, highlighting fault codes in different colors. This provides a quick overview of the vehicle's health.

4.3 Diagnostic Functions

Access various diagnostic functions including reading and clearing DTCs, viewing live data streams, performing active tests (bi-directional control), and accessing freeze frame data. Use the "Repair Assist" and "DTC Analysis" features for guided troubleshooting steps and detailed information.

4.4 Service Functions

Navigate to the "Service" section to perform common maintenance and reset functions. Select the required service (e.g., Oil Reset, EPB Reset, SAS Calibration) and follow the on-screen instructions. Ensure the vehicle conditions meet the requirements for each service function.

4.5 ECU Programming and Coding

For advanced users, the MS919 supports ECU programming and coding. This function allows for module replacement, software updates, and customization of vehicle settings. Always ensure a stable power supply to the vehicle and the MS919 during programming to prevent data corruption.

4.6 Using the 5-in-1 VCMI

The VCMI can be used independently for various measurements. Access the "Measurement" application on the MS919 tablet to utilize the oscilloscope, waveform generator, multimeter, and CAN Bus Check functions. Refer to the VCMI user guide for detailed instructions on probe connections and measurement procedures.

5. Maintenance

5.1 Software Updates

Regularly update the MS919 software to ensure optimal performance, expanded vehicle coverage, and access to new features. Connect the device to a stable Wi-Fi network and navigate to the "Update" section on the main menu. Follow the on-screen instructions to download and install updates.

5.2 Cleaning and Storage

Clean the device and VCMI with a soft, damp cloth. Avoid using abrasive cleaners or solvents. Store the MS919 and its

accessories in the provided carrying case in a dry, cool environment away from direct sunlight and extreme temperatures.

5.3 Battery Care

To prolong battery life, avoid fully discharging the device frequently. If the device will not be used for an extended period, charge it to approximately 50-70% before storage.

6. Troubleshooting

This section provides solutions to common issues encountered with the Autel MaxiSys MS919.

- **Device not powering on:** Ensure the battery is charged. Connect the power adapter and attempt to power on. If the issue persists, contact technical support.
- **VCMI not connecting:** Verify the VCMI is securely connected to the vehicle's OBDII port and is powered on. Check the wireless connection between the VCMI and the tablet. Restart both devices if necessary.
- **Communication errors with vehicle:** Ensure the vehicle's ignition is on (or engine running if required for specific tests). Verify the VCMI connection. Check for any vehicle-specific communication issues or damaged OBDII port.
- **Software freezing/crashing:** Restart the application or the device. Ensure the software is up to date. If the problem recurs, perform a factory reset (backup data first) or contact support.
- **Diagnostic functions not working for specific vehicle:** Verify vehicle compatibility for the specific function. Some advanced functions may not be supported on all vehicle models or years. Consult the vehicle coverage list or contact support with VIN details.

7. Specifications

Category	Specification
Manufacturer	Autel
Model	MaxiSys MS919- Scanner Newer
Operating System	Android 7.0
Processor	Exynos 8895 Octa-core
Memory	4GB RAM & 128GB Storage
Display	9.7 inches, 2048x1536 resolution
Battery	15000mAh Lithium Polymer
Connectivity	5G & 2.4G Wi-Fi, USB
VCMI	5-in-1 MaxiFlash VCMI (Oscilloscope, Waveform Generator, Multimeter, OBD2 CAN Bus Check)
Protocols Supported	D-PDU, SAE J2534, RP1210, DOIP, CAN FD
Item Weight	1.76 pounds
Product Dimensions	7.87 x 3.94 x 3.15 inches

7.1 What's in the Box

- MS919 scanner (Main Unit)
- MaxiFlash VCMI
- Main Cable V2.0
- USB 2.0 Cable V2
- AC/DC Adapter (12V)
- Cigarette Lighter
- Light Fuse 6x30mm (2 pcs)
- Clipper Cable
- Multimeter Test Lead (2 pcs)
- Scope Test Lead (4 pcs)
- Multimeter Probe (2 pcs)
- Secondary Ignition Probe (3 pcs)
- Attenuator 20:1 (2 pcs)
- Breakout Lead (4 pcs)
- Flexible Back-pinning Probe (2x2 pcs)
- Back-pinning Probe Replacement Needle (2x pcs)
- Back-pinning Probe Red/Black/Yellow (3 pcs)
- Small Crocodile Clip (2x2 pcs)
- Large Dolphin Clip (1x2 pcs)
- Soft Cloth
- Quick Reference Guide
- Packing List
- Tool Box
- Carrying Case

8. Warranty and Support

8.1 Warranty Information

The Autel MaxiSys MS919 comes with a**1-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Additionally, the device includes **1-year of free software updates**, ensuring your tool remains current with the latest vehicle data and features.

8.2 Technical Support

For technical assistance, troubleshooting, or any inquiries regarding your Autel MaxiSys MS919, please contact our technical support team:
Email: autelsupply@outlook.com
Please provide your device's serial number and a detailed description of the issue when contacting support to facilitate a quicker resolution.

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

Open the live page

https://manuals.plus/asin/B09TH45RMD

More documents and user manuals: **https://manuals.plus/**