Autel Autel MaxiSys 906MAX

Autel MS906 MAX Bi-Directional Scanner User Manual

Model: Autel MaxiSys 906MAX

1. Introduction

The Autel MS906 MAX is a professional-grade automotive diagnostic scanner designed for comprehensive vehicle system analysis, maintenance, and repair. It features advanced capabilities such as ECU Coding, over 40 service functions, and more than 3000 active tests. Equipped with a powerful 8-core CPU and a 10.1-inch high-resolution touchscreen, the MS906 MAX provides fast and accurate diagnostics for a wide range of vehicle makes and models.
This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Autel MS906 MAX device to ensure optimal performance and longevity.

2. Setup

2.1 Package Contents

Before beginning, please verify that all items are present in your package:



Image: Contents of the Autel MS906 MAX package, including the main unit, MaxiVCI V200, various cables, adapters, and documentation.

- Main Unit (Autel MaxiSys 906MAX Tablet)
- MaxiVCI V200 (Vehicle Communication Interface)
- USB to Ethernet Adapter
- AC/DC Power Adapter (12V)
- USB Type-C Cable
- Spare Fuses (6x30mm, 2pcs)
- Auxiliary Power Outlet Adapter
- Soft Cloth
- Packing List
- Quick Reference Guide

2.2 Initial Power-On and Charging

Upon receiving your device, it is recommended to fully charge the internal battery before first use. Connect the AC/DC

Power Adapter to the device's charging port and plug it into a power outlet. The device will automatically power on or can be powered on by pressing the Power button.

2.3 Software Updates

To ensure optimal performance and access to the latest vehicle coverage and functions, it is crucial to keep the device's software updated. Connect the MS906 MAX to a Wi-Fi network and navigate to the 'Update' section on the main menu to download and install available updates. Software upgrades are released weekly.

3. Operating the Device

3.1 Navigation and Interface

The MS906 MAX features a 10.1-inch touchscreen display for intuitive navigation. The main menu provides access to key functions such as Diagnostics, Service, ADAS, Data Manager, Settings, VCI Manager, Support, and Update.

3.2 Key Diagnostic and Service Functions

3.2.1 ECU Coding

The ECU Coding function allows for advanced vehicle customization and component matching. It supports both online and offline coding, enabling precise personalized settings and the activation of hidden functions.



Image: Overview of OE ECU Coding features, including component matching, ECU replacement, retrofit & modification, OE-setting customization, and flashing hidden functions.

3.2.2 All System Diagnostics & AutoScan 2.0

Perform comprehensive diagnostics across all available vehicle systems, including Engine, Transmission, ABS, SRS, TPMS, and more. The AutoScan 2.0 feature provides lightning-fast vehicle scanning, identifying issues within approximately 30 seconds.

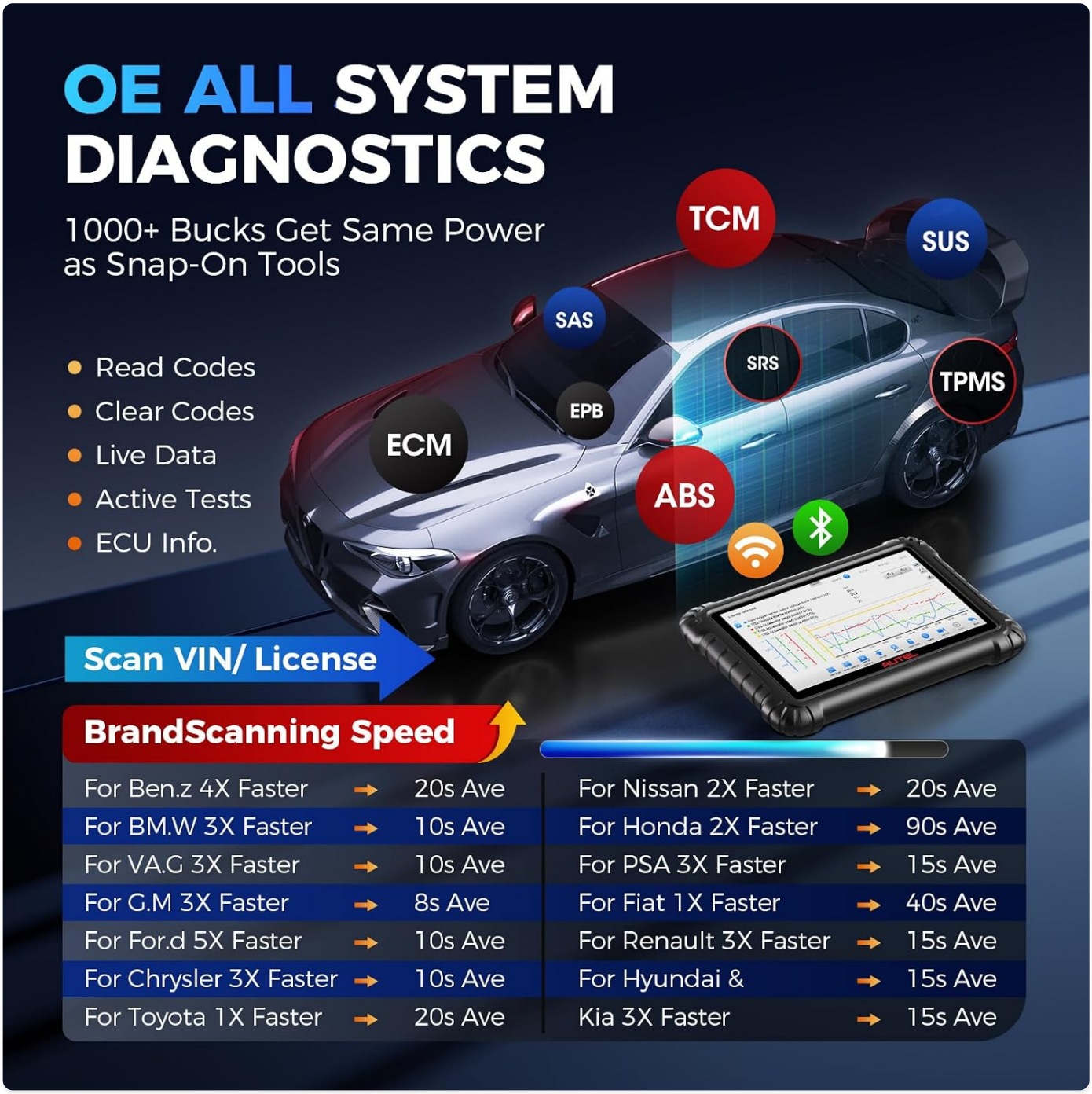


Image: Illustration of OE All System Diagnostics, showing the ability to read codes, clear codes, view live data, perform active tests, and retrieve ECU information across various vehicle modules.

3.2.3 40+ Hot Services

The MS906 MAX offers an extensive range of maintenance and service functions to address common vehicle needs. These include, but are not limited to:



Image: Examples of over 40 reset services available, including Oil Reset, ABS Bleeding, Electronic Parking Brake (E-P-B), Diesel Particulate Filter (D-P-F) Regeneration, Injector Coding, Steering Angle Sensor (SAS) Calibration, and Battery Management System (BMS) Reset.

- Oil Reset
- ABS Bleeding
- SAS (Steering Angle Sensor) Calibration
- EPB (Electronic Parking Brake) Reset
- DPF (Diesel Particulate Filter) Regeneration
- Injector Coding
- BMS (Battery Management System) Reset
- TPMS (Tire Pressure Monitoring System) Reset
- Throttle Adaptation
- Suspension Calibration
- Headlamp Adjustment

- Airbag Reset
- Trans Adaptation
- And many more.

3.2.4 3000+ Active Tests (Bi-Directional Control)

Active Tests allow the diagnostic tool to send commands to vehicle systems and monitor their operation, enabling quick identification of faulty components. This bi-directional control covers various systems, such as engine, chassis, and electronic components.



Image: Illustration of Active Tests, demonstrating the device's ability to send commands and receive feedback from vehicle components, with examples like radiator fan, interior/exterior lights, horn, and various solenoids and pumps.

3.3 Connectivity and Protocols

The MS906 MAX supports advanced communication protocols, ensuring compatibility with modern vehicles:

- **DoIP (Diagnostics over Internet Protocol):** For newer vehicle communication.

- **CAN FD (CAN with Flexible Data-Rate):** High-speed communication protocol.
- **FCA AutoAuth & SGW:** Secure Gateway access for Fiat Chrysler Automobiles.
- **Wi-Fi & Bluetooth:** For wireless connectivity and VCI communication.



Image: Features emphasizing 10X faster diagnosis, 10.1-inch screen, 8-core CPU, 4+128GB memory, and support for new protocols like CAN-FD, DoIP, and FCA AutoAuth.

3.4 Additional Features

The MS906 MAX includes several auxiliary features to enhance diagnostic workflow:



Image: Overview of 10+ new features, such as IMMO Service, VAG/ManLD/Bentley Guided Functions, Battery Test (+BT506), Pre & Post Scan, Digital Inspection (+MV105S/108S), Power Balance, Personalization, Component Matching, Autel Cloud Report, and Wi-Fi Printing.

- **VAG/ManLD/Bentley Guided Functions:** Step-by-step instructions for complex procedures.
- **Scan VIN/License:** Quick vehicle identification.
- **Pre & Post Scan:** Document vehicle condition before and after repairs.
- **Wi-Fi Printing:** Print diagnostic reports wirelessly.
- **Cloud Report Manage:** Store and access diagnostic reports in the cloud.
- **Remote Desk:** Remote technical support via TeamViewer.
- **Function Expansion:** Supports optional accessories like Battery Test (BT506), ADAS Calibration (ToolKit), and Endoscope (MV105S/108S).

4. Maintenance

4.1 Cleaning the Device

Regularly clean the touchscreen with a soft, lint-free cloth. For the device body, use a soft cloth dampened with a mild cleaning solution. Avoid abrasive cleaners or solvents that could damage the device.

4.2 Software Updates

As mentioned in the setup section, consistent software updates are vital for maintaining optimal performance, expanding vehicle coverage, and introducing new features. Ensure your device is connected to a stable internet connection for these updates.

4.3 Storage

Store the MS906 MAX in its protective carrying case when not in use. Keep it in a dry environment, away from extreme temperatures, direct sunlight, and corrosive materials. Avoid dropping the device or subjecting it to strong impacts.

5. Troubleshooting

If you encounter issues with your Autel MS906 MAX, consider the following common troubleshooting steps:

- **Device Not Powering On:** Ensure the battery is charged. Connect the power adapter and try again. If the battery is completely depleted, it may take a few minutes for the device to respond.
- **VCI Communication Issues:** Verify that the MaxiVCI V200 is properly connected to the vehicle's OBDII port and securely paired with the tablet via Bluetooth or USB. Check the VCI's indicator lights for status.
- **Software Errors/Freezing:** Restart the device. Ensure the software is up to date. If the issue persists, perform a factory reset (note: this will erase user data, back up important information first).
- **Connectivity Problems (Wi-Fi/Bluetooth):** Check network settings and ensure the device is within range of a strong signal. Restart the device and the router/Bluetooth device if necessary.
- **Inaccurate Readings/Diagnostic Failures:** Ensure the vehicle's ignition is on (or engine running, as required by the test). Verify the correct vehicle information (VIN, model, year) has been entered.

For persistent issues or complex problems, please refer to the Warranty and Support section for contact information.

6. Specifications

Feature	Description
Manufacturer	Autel
Model	Autel MaxiSys 906MAX

Feature	Description
Operating System	Android 11.0
Processor	8-Core CPU
Memory	4GB RAM + 128GB Storage
Display	10.1-inch LCD, 1920x1200 resolution
Battery	11600mAh
Camera	13MP
Connectivity	Wi-Fi, Bluetooth, DoIP, CAN FD
Special Features	ECU Coding, 40+ Service Functions, 3000+ Bi-Directional Control Tests, FCA AutoAuth
Item Weight	10.5 pounds
Country of Origin	China

7. Warranty and Support

Autel provides comprehensive support for the MS906 MAX:

- **Software Upgrades:** One year of free software upgrades from the date of purchase.
- **Technical Support:** Lifetime technical support is provided for the device.
- **Customer Service:** 24/7 customer service is available to assist with any inquiries or issues.
- **Return Policy:** A 30-day no-hassle return policy is typically offered by authorized sellers.

For assistance, please contact Autel customer service or your authorized dealer.

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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