

Autel MP900-BT

Autel MaxiPRO MP900-BT Scanner User Manual

Model: MP900-BT

1. INTRODUCTION

The Autel MaxiPRO MP900-BT is an advanced automotive diagnostic scanner designed for comprehensive vehicle analysis and maintenance. This device offers a wide range of functionalities, including sophisticated ECU functions, extensive diagnostic capabilities, and numerous service resets. It is an upgraded version of previous MaxiPRO/MaxiDAS series models, incorporating newer technologies like DoIP/CAN FD protocols and enhanced hardware for improved performance.

The MP900-BT provides OE-level full system diagnostics, bidirectional control, and guided functions for various vehicle makes. Its wireless Bluetooth connectivity allows for flexible operation around the vehicle, while the Android 11 operating system ensures a smooth and intuitive user experience.



Figure 1: Autel MaxiPRO MP900-BT Scanner with included MV108S Endoscope.

2. WHAT'S IN THE BOX

Upon unboxing your Autel MaxiPRO MP900-BT Scanner, please verify that all the following items are included:

- MP900-BT Main Tool
- MaxiVCI V150
- Power Adapter
- USB Type-C Cable
- Soft Cloth
- Quick Reference Guide
- Packing List
- Rugged Plastic Carrying Case (504*360*133mm)

The MV108S endoscope is also included as part of this package.

Video 1: Unboxing the Autel MP900TS (similar to MP900-BT) to see included components.

3. SETUP

Before using your MaxiPRO MP900-BT Scanner, ensure it is fully charged and connected to a stable internet connection via Wi-Fi. A good internet connection is crucial for software updates, online functions, and accessing certain vehicle authentication services.

3.1 Initial Power-On and Configuration

1. **Charge the Device:** Connect the power adapter to the scanner and a power outlet. Allow the device to charge fully before first use.
2. **Power On:** Press and hold the power button until the screen illuminates.
3. **Initial Setup:** Follow the on-screen prompts to select your language, time zone, and connect to a Wi-Fi network.
4. **Software Update:** Navigate to the 'Update' application on the main menu and download any available software updates to ensure optimal performance and the latest vehicle coverage.

3.2 Connecting the MaxiVCI V150

The MaxiVCI V150 is the vehicle communication interface that connects the scanner to your vehicle's OBDII port.

1. **Locate OBDII Port:** The OBDII port is typically located under the dashboard on the driver's side of the vehicle.
2. **Connect VCI:** Plug the MaxiVCI V150 into the vehicle's OBDII port. The VCI's LED indicator should light up, indicating power.
3. **Establish Bluetooth Connection:** On the MP900-BT scanner, ensure Bluetooth is enabled. The scanner will automatically attempt to connect to the VCI. A successful connection will be indicated by a solid blue LED on the VCI and a Bluetooth icon on the scanner's status bar.

Video 2: Instructions for accessing FCA AutoAuth with an Autel scanner, demonstrating connection steps.

4. OPERATING INSTRUCTIONS

The Autel MaxiPRO MP900-BT offers a user-friendly interface with various functions accessible from the main menu.

4.1 OE Full Systems Diagnostics

This function allows for comprehensive scanning of all available electronic control modules (ECUs) in the vehicle.

1. **Select 'Diagnostics':** From the main menu, tap on the 'Diagnostics' icon.
2. **Vehicle Identification:** Choose 'AutoVIN' for automatic vehicle identification or 'Manual Input' to enter VIN/vehicle details manually. The 8MP camera can also be used for VIN/License plate scanning.
3. **Auto Scan:** Select 'Auto Scan' to perform a full system scan. The scanner will read ECU information, retrieve diagnostic trouble codes (DTCs), and display live data.
4. **Review Data:** View live data in various formats (text, graph, histogram, meter diagram), analyze freeze frame data, and perform active tests to pinpoint issues.

COMPREHENSIVE FULL SYSTEM DIAGNOSTICS

- 🔧 AutoVIN & Scan
- 🔧 Scan VIN/License
- 🔧 Read/Eraser Codes
- 🔧 Pre-Scan & Post-Scan
- 🔧 Graphic Live Data
- 🔧 Freeze Frame Data
- 🔧 ECU Info
- 🔧 Active Test
- 🔧 Pics & Reports WI-FI Printings



AUTEL CLOUD REPORT MANAGEMENT

Advanced & Easy Steps:

1

Reports Saved in Cloud Service

2

Share via QR Codes, Texts or E-mails

3

View Reports on Other Devices

Figure 2: Comprehensive Full System Diagnostics interface showing various data points and options.

4.2 ECU Functions (Coding & Activation)

The MP900-BT supports advanced ECU functions for specific vehicle makes, including online coding, offline coding, and hidden function activation.

- **Online Coding:** For BMW, Porsche, VW, Nissan, Infiniti, Hyundai, etc. Requires internet connection to synchronize with OEM data.
- **Offline Coding:** For Ford, Mazda, Jaguar, Vauxhall, Opel, etc. Allows coding without an internet connection if original values are known.
- **Hidden Function Activation:** Activate hidden features on vehicles like Nissan, Infiniti, BMW, MINI, Toyota, Lexus, Scion.
- **Personalization:** Customize settings for Land Rover/Jaguar vehicles.

Video 3: Demonstration of Online ECU Coding using a VW vehicle as an example.

ADV*NCED E,CC,U C0CING

Onlin C0cing & Hi*den Fun*ion Ren*wal



Figure 3: Overview of advanced ECU coding capabilities including component matching and hidden function activation.

4.3 40+ Maintenance Resets

The scanner supports over 40 maintenance and service functions to address common vehicle needs.

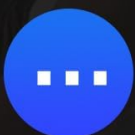
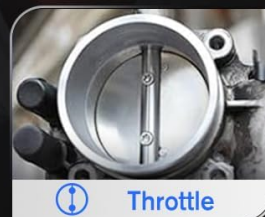
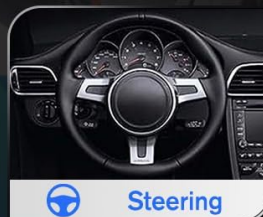
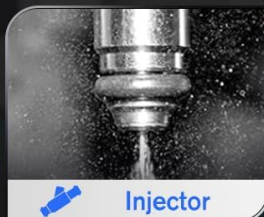
- **Oil Reset:** Reset the oil life system after an oil change.
- **EPB:** Electronic Parking Brake reset.
- **SAS:** Steering Angle Sensor calibration.
- **BMS:** Battery Management System registration.
- **ABS Brake Bleed:** Perform ABS brake bleeding procedures.
- **Throttle Reset:** Reset throttle body adaptations.
- **CKP Relearn:** Crankshaft Position System Relearn.
- **Injector Coding:** Code new injector values.
- **Air Suspension:** Reset or calibrate air suspension systems.

40+ SERVICE RESETS

✓ Worldwide Coverage

✓ Frequent Updates

✓ More Capability



- Deeper Battery Check (Work with BT506)
- Brake Reset
- CKP Relearn

- EV*P Test
- Misfire Check
- SRS

- VIN Check in Different Modules
- More...

With Step-by-Step Operation Guides for VAG Vehicles(for VW/Audi/VW_Brazil/Skoda/Seat/Man LD)

Figure 4: Visual representation of various service reset functions available on the scanner.

4.4 Bidirectional Control / Active Tests

Perform active tests to command vehicle components to perform specific functions, aiding in troubleshooting.

- **Windows:** Test window up/down operation.
- **Mirrors:** Test mirror adjustments.
- **ABS AutoBleed:** Initiate automated ABS bleeding.
- **Fuel Pump:** Activate the fuel pump.
- **Radiator Fan:** Turn the radiator fan on/off.
- **Interior/Exterior Lights:** Control vehicle lighting.

● Radiator Fan	● Door Actuators	● Parking Brake
● Interior Lights	● Injector Testing	● Modulate Throttle
● Exterior Lights	● Left clutch Elec. Coil	● Injector Buz
● Sound Horn	● Acceleration Device	● Cycle A/C
● ACC Lkas	● Oi- Pressure Control	● Clutch
● ACM Solenoid	● Inlet & Outlet Value	● Windows
● Fu-el Pump	● ABS Autobleed	● Mirror
● Brake Vaccum	● Wheel Speed Sensor	● More...

Feature	Detail
Brand	Autel

Model Number	MP900-BT
Operating System	Android 11.0
Product Dimensions	11.06"L x 1.34"W x 14.43"H
Item Weight	2.11 pounds
Batteries	1 Lithium Polymer batteries required (included)
Automotive Fit Type	Vehicle Specific Fit
Special Features	Extendable (DoIP/CAN FD, VIN/License Scan, 8MP Camera, Pre-& Post-Scan, WIFI Print, Personalization Settings)


			
Model	MP900BT	MP808BT Pro	MP808BT
User Experience	👍 ★ ★ ★ ★ ★	★ ★ ★	★ ★
Release Year	👍 2025	2022	2021
Screen Size/ Resolution	👍 8" / 1280x800	7" / 1024x600	7" / 1024x600
Battery	👍 7700mAh	5000mAh	5000mAh
OS	👍 Android 11.0	Android 11.0	Android 4.4.4
BT Adapter	👍 V150	VCI Mini	VCI Mini
DoIP/CAN FD	👍 ✓	✗	✗
VIN/ License Scan	👍 ✓	✗	✗
Pre-Scan & Post-Scan	👍 ✓	✗	✗
8 HD Real Camera	👍 ✓	✗	✗
Wi-Fi Printing	👍 ✓	✗	✗
Advanced ECU Coding	👍 ★ ★ ★ ★ ★	★ ★ ★ ★	★
Hot Service Resets	👍 40+	30+	30+
Vehicles Coverage	👍 ★ ★ ★ ★ ★	★ ★ ★ ★	★ ★ ★

Figure 6: Comparison of MP900-BT specifications with other Autel models.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Autel MaxiPRO MP900-BT Scanner, follow these maintenance guidelines:

- **Keep Clean:** Regularly wipe the screen and device exterior with the provided soft cloth or a non-abrasive cleaner.
- **Software Updates:** Connect to Wi-Fi monthly and check for software updates via the 'Update' application. Keeping the software current ensures the latest vehicle coverage and features.
- **Store Properly:** When not in use, store the scanner and its accessories in the rugged plastic carrying case to protect it from dust, moisture, and physical damage.
- **Battery Care:** Avoid fully discharging the battery frequently. Charge the device regularly, especially if it will be stored for an extended period.

7. TROUBLESHOOTING

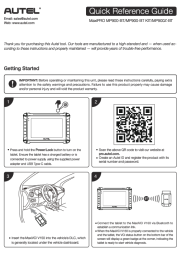

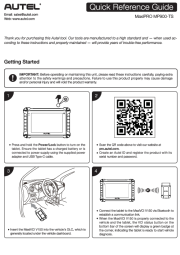
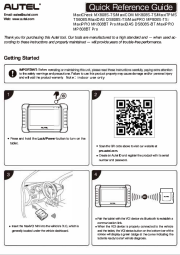
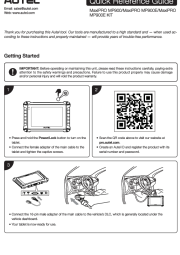
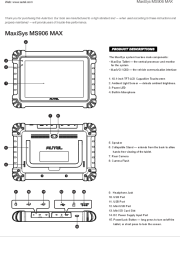
If you encounter issues with your Autel MaxiPRO MP900-BT Scanner, consider the following troubleshooting steps:

- **No Power:** Ensure the device is fully charged or connected to the power adapter. Check the power adapter and cable for damage.
- **VCI Connection Issues:** Verify the MaxiVCI V150 is securely plugged into the vehicle's OBDII port and that the vehicle's ignition is on. Check the Bluetooth connection on the scanner.
- **Online Functionality Problems:** Confirm the scanner has a stable internet connection (Wi-Fi). Ensure your software subscription is active for online functions like ECU Coding and SGW module access.
- **Vehicle Communication Errors:** Double-check that the correct vehicle make, model, and year are selected. Ensure the VCI is properly connected and the vehicle's battery voltage is sufficient (not less than 11.5V).
- **Software Glitches:** Try restarting the scanner. If the issue persists, perform a factory reset (note: this will erase user data, back up important information first).

8. WARRANTY & SUPPORT

The Autel MaxiPRO MP900-BT Scanner comes with a **1-Year Warranty** from the date of purchase, covering manufacturing defects. Additionally, it includes **1-Year Free Software Updates**. After the free update period expires, offline functions will remain available, but online functions (e.g., ECU Coding, SGW module access) will require a renewed subscription.

For technical assistance, warranty claims, or to inquire about language support (e.g., Spanish), please contact Autel's official customer support. You may need to provide your device's serial number (12 digits, located on the back of the device).

	<p>Autel MaxiPRO MP900-BT Quick Reference Guide</p> <p>Quick reference guide for the Autel MaxiPRO MP900-BT, MP900-BT KIT, and MP900Z-BT diagnostic tools, covering initial setup and vehicle connection.</p>
	<p>Autel MaxiPRO MP900-TS User Manual: Comprehensive Automotive Diagnostic Tool Guide</p> <p>This user manual details the Autel MaxiPRO MP900-TS diagnostic tablet and MaxiVCI V150. It covers setup, advanced diagnostics, service functions, TPMS, battery testing, and maintenance for automotive professionals. Includes safety information and support resources.</p>
	<p>Autel MaxiPRO MP900-TS Quick Reference Guide</p> <p>Get started quickly with your Autel MaxiPRO MP900-TS diagnostic tool. This guide covers initial setup, power-on, website registration, and connecting the MaxiVCI V150 for vehicle diagnosis.</p>
	<p>Autel Quick Reference Guide for Diagnostic Tools</p> <p>A concise quick reference guide for Autel diagnostic tools, including setup, software updates, firmware updates for MaxiVCI Mini, and wireless printing instructions. Covers regulatory information for FCC and Industry Canada.</p>
	<p>Autel MaxiPRO MP900 Series Quick Reference Guide</p> <p>A quick reference guide for the Autel MaxiPRO MP900, MP900E, and MP900E KIT diagnostic tools, covering getting started and basic setup procedures.</p>
	<p>Autel MaxiSys MS906 MAX Quick Reference Guide Professional Diagnostic Tool</p> <p>Get started quickly with the Autel MaxiSys MS906 MAX professional diagnostic tablet and MaxiVCI V200. This guide covers product features, component identification, and initial setup for vehicle diagnostics.</p>

