

## Autel MaxiCOM MK906S PRO2-TS

# Autel MaxiCOM MK906S PRO2-TS Automotive Diagnostic Scanner User Manual

Comprehensive Guide for Advanced Vehicle Diagnostics and TPMS Services

## 1. INTRODUCTION TO THE **AUTEL MAXI**COM MK906S PRO2-TS

The Autel MaxiCOM MK906S PRO2-TS is an advanced automotive diagnostic and information system designed for comprehensive vehicle analysis and maintenance. This device offers a wide range of functionalities, including full system diagnostics, extensive service functions, and complete Tire Pressure Monitoring System (TPMS) capabilities. It is built with a robust hardware platform and runs on an optimized Android operating system to provide efficient and reliable performance.



Figure 1.1: Autel MaxiCOM MK906S PRO2-TS Diagnostic Scanner

## 2. SETUP AND FIRST USE

### 2.1 Unboxing and Initial Inspection

Upon receiving your Autel MaxiCOM MK906S PRO2-TS, carefully unbox all components and inspect for any signs of damage. Ensure all items listed in the 'What's in the Box' section are present.

Video 2.1: MaxiSys MS906 Pro Unboxing. This video demonstrates the unboxing process and contents of a similar Autel device, providing a visual guide for initial setup.

### 2.2 Connecting the VCI (Vehicle Communication Interface)

The MaxiCOM MK906S PRO2-TS utilizes an enhanced Bluetooth VCI V200 for wireless communication with the vehicle. This allows for remote diagnosis and a more stable connection.

1. Locate the vehicle's OBDII port, typically found beneath the steering column.
2. Plug the VCI V200 into the OBDII port. The VCI's indicator lights will confirm power and connection status.

3. On the MaxiCOM tablet, navigate to the **VCI Manager** application.
4. Ensure Bluetooth is enabled on the tablet and select the VCI V200 from the list of available devices to establish a connection. A green checkmark next to the VCI icon on the tablet indicates a successful connection.



Figure 2.2: The MaxiCOM MK906S PRO2-TS tablet and VCI V200, illustrating the wireless connection capability.

## 2.3 Software Updates

It is crucial to keep your device's software updated to ensure compatibility with the latest vehicle models and access to new features. The MK906S PRO2-TS supports weekly/monthly updates.

1. Connect the tablet to a stable Wi-Fi network.
2. Tap the **Update** icon on the home screen.
3. Follow the on-screen prompts to download and install available updates.

## 3. OPERATING THE DIAGNOSTIC SCANNER



### 3.1 Vehicle Identification

The device offers several methods for quick and accurate vehicle identification:

- **Auto VIN:** Automatically reads the Vehicle Identification Number (VIN) upon connection.
- **Auto Scan 2.0:** A new technology for rapid scanning, identifying vehicles in seconds (e.g., GM <8s, Ford/VAG/Chrysler <10s).
- **Scan VIN/License:** Uses the tablet's camera to scan the VIN or license plate.
- **Manual Input:** Allows manual entry of vehicle details.

### 3.2 OE-Level All System Diagnostics

The MK906S PRO2-TS provides comprehensive diagnostics for all available vehicle systems, including Engine, Airbag, BCM, BMS, ABS, and more.

- **Read/Clear DTCs:** Access and clear over 8000 diagnostic trouble codes.
- **View Live Data:** Monitor real-time sensor data in text or graph format.
- **Freeze Frame:** View a snapshot of sensor data at the moment a DTC was set.
- **Retrieve ECU Information:** Access detailed information about the Electronic Control Unit.



Figure 3.1: Overview of OE-Level All System Diagnostics capabilities.

Video 3.1: Autel MK808 Full System Diagnostic Scanner. This video demonstrates the full system diagnostic process on a similar Autel device, showcasing its capabilities.

### 3.3 Bidirectional Control / Active Tests

Perform various active tests to command vehicle ECUs and pinpoint faulty components quickly.

- Injector Tests, Fuel Injector Balance, EVAP Tests, Compression tests.
- Cooling Fan, ABS Motor Pump, Windows/Wipers/Sunroof/Doors operation.

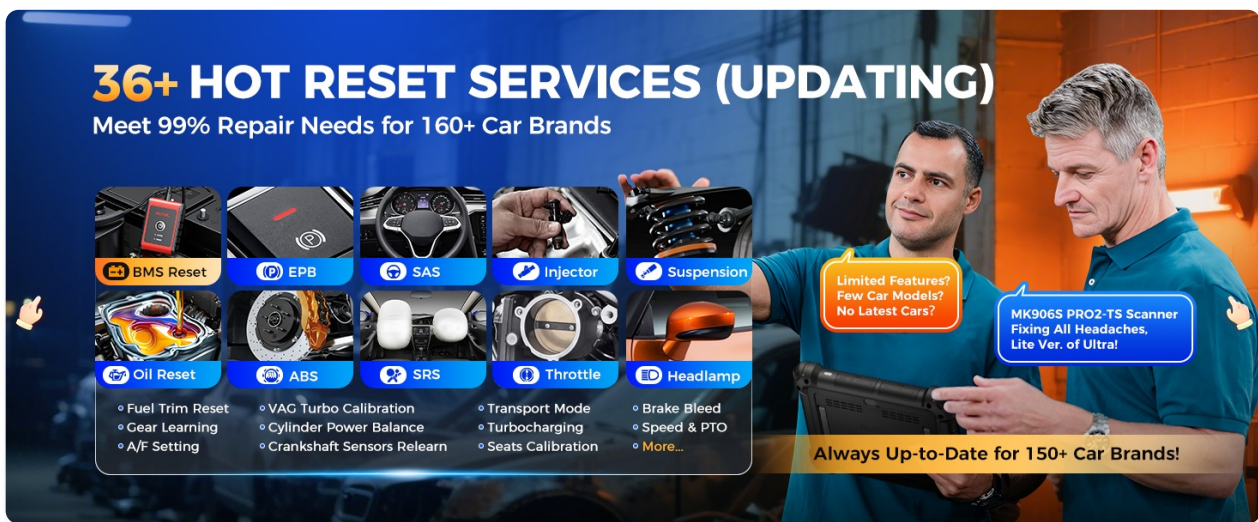


Figure 3.2: Illustration of Bidirectional Control and Active Test functions.

## 4. TPMS FUNCTIONS

The MaxiCOM MK906S PRO2-TS is a comprehensive TPMS tool, offering full functionality from diagnosis to programming and relearn procedures.

- **BLE-A001 Compatibility:** Works with Autel Bluetooth-TPMS sensors preprogrammed for Tesla models and programmable for BLE-equipped vehicles.
- **MX-Sensor Programming:** Supports 2 ways to program MX-Sensors (Copy by OBD, Auto Create 1-20 Sensors Simultaneously).
- **Sensor Activation:** Activates all known TPMS sensors (315MHz & 433MHz).
- **TPMS Relearn:** Features over 3000 built-in TPMS relearn procedures (OBD Relearn, Automatic Relearn, Stationary Relearn, Copy Relearn).
- **TPMS Retrofit:** Allows adding TPMS to vehicles not originally equipped with it.
- **TPMS Toolkit:** Includes RKE & RF signal strength check, Redi-sensor flashing, Sleep/Park Mode Switch.



# NO.1 TPMS EXPERT, COMPLETE

## 1 2 Programming Ways

- ▶ 60S to Program Autel MX-Sensors
- ▶ Copy by OBD
- ▶ Auto Creat 1-20 Sensors Simultaneously

## 2 4 TPMS Relearn Ways

- ▶ OBD Relearn
- ▶ Automatic Relearn
- ▶ Stationary Relearn
- ▶ Copy Relearn

1 MK906S PRO2-TS

# 99%

of Car Coverage

## 3 TPMS Activation

- ▶ For 99% of OEM & Autel Sensors
- ▶ 315MHz & 433MHz
- ▶ MX-Sensor BLE-A001

## 4 One-Click Sensor Reading

- ▶ Sensor ID
- ▶ Tire Pressure
- ▶ Tire Temperature
- ▶ Sensor Battery



**TPMS ToolKit:** RKE & RF + RED17002A + Sleep/Park Mode

**TPMS Retrofit**

**Fob Check**

Figure 4.1: TPMS programming and relearn options.

Video 4.1: 2022 Autel MaxiCOM MK906 Pro-TS, Full TPMS Services. This video provides a detailed overview of the full TPMS service capabilities.

## 5. ADVANCED FEATURES AND SERVICE FUNCTIONS

### 5.1 ECU Coding and Adaptations

The device supports advanced ECU coding functions for 95% of vehicles, including online and offline coding.

- Refresh Hidden Functions, Simulate Higher-Level Features.
- Component Match & Modification, Personalization for Land Rover/Jaguar.
- Offline Adaptation for BMW E/F/G Chassis, Porsche, Ford.



# TOP-NOTCH ECU CODING

Functions as Snap-on, More Cost-Effective

**ECU Replacement**

- ▶ Refresh Hidden Functions
- ▶ Simulate Higher-Level Features
- ▶ Component Match & Modification & Retrofit
- ▶ Personalization for Land Rover, for Jaguar
- ▶ Offline Adaptation for BMW F & E Chassis, for Porsche, for Ford

Same as Ultra/Elite 2 PRO    Built-in Database    **10x FASTER CODING!**

**Auto Start-Stop**

**Interior Lights**

**Side Mirrors**

**Warning Sound**

**OE CODING =**

**MS ULTRA/Elite 2 PRO/ MS9080S PRO II**

Figure 5.1: ECU Coding capabilities for various vehicle functions.

Video 5.1: Autel MK906 Pro TS: VW Online Coding - Demo. This video demonstrates online coding for Volkswagen vehicles.

## 5.2 40+ Hot Reset & Maintenance Services

The MK906S PRO2-TS provides over 40 reset and maintenance services for routine vehicle upkeep.

- Oil Reset, EPB (Electronic Parking Brake), SAS (Steering Angle Sensor) Adjustment.
- DPF (Diesel Particulate Filter) Regeneration, Injector Coding, ABS Auto Bleed, BMS (Battery Management System).
- Power Balance, Throttle Adaptation, Suspension Calibration, Headlamp Adjustment, and more.



# 36<sup>+</sup> HOT RESET SERVICES

(Updating)  
More Accurate Bidirectional, Far Beyond Snap-on Tools!

## 160<sup>+</sup> CAR BRANDS

160+ CAR BRANDS

1996-2025 Cars

DoIP/CAN FD Protocols

FCA AutoAuth & VW SFD

Region	Car Brands
USA	<ul style="list-style-type: none"> <li>Buick</li> <li>Cadillac</li> <li>Chevrolet</li> <li>Dodge</li> <li>Ford</li> <li>G.M</li> <li>Chrysler</li> <li>Jeep</li> <li>Lincoln</li> <li>Saturn</li> <li>More...</li> </ul>
Europe	<ul style="list-style-type: none"> <li>Audi</li> <li>BMW</li> <li>Peugeot</li> <li>Land Rover</li> <li>Opel</li> <li>VW</li> <li>Renault</li> <li>Skoda</li> <li>More...</li> </ul>
Asia	<ul style="list-style-type: none"> <li>Honda</li> <li>Hyundai</li> <li>Infiniti</li> <li>Isuzu</li> <li>Kia</li> <li>Lexus</li> <li>Mazda</li> <li>Mitsubishi</li> <li>Subaru</li> <li>Suzuki</li> <li>More...</li> </ul>

Figure 5.2: A selection of the 40+ hot reset and maintenance services available.

### 5.3 Latest Protocols and Vehicle Coverage

Supports modern vehicle communication protocols and offers extensive vehicle coverage.

- **CAN FD:** For GM vehicles 2019 and newer.
- **DoIP:** For BMW E/F/G Chassis, Volvo models 2018+, Land Rover & Jaguar 2017+.
- **Vehicle Coverage:** Supports over 160 brands worldwide, from 1996 to 2025 models, without IP restrictions.
- **SGW Access:** Direct diagnosis for 2018+ FCA vehicles (Chrysler, Dodge, Jeep, Fiat) and newer Renault cars with FCA AutoAuth, VW-SFD, and Renault SGW.



## 10X FASTER AUTO SCAN 2.0

Amazing All Scanning in Seconds

Car Brand	Faster than Competitors
For BENZ	< 40s
For BMW	< 10s
For VAG	< 10s
For GM	< 8s
For Ford	< 10s
For Chrysler	< 10s
For Toyota	< 20s
For Nissan	< 20s
For Honda	< 30s
For Fiat	< 15s
For Renault	< 15s
For Hyundai & KIA	< 15s

And much more...

- Auto VIN
- Scan VIN/ License
- Manual Input
- Quick Diagnostics
- Time-Saving

Figure 5.3: Supported CAN FD and DoIP protocols and compatible vehicle brands.

Video 5.2: Autel How To Use SGW Secure Gateway Access FCA Vehicles. This video demonstrates accessing Secure Gateway for FCA vehicles.

## 6. MAINTENANCE AND ADDITIONAL FUNCTIONS

### 6.1 Pre & Post Scan Reports and Cloud Management

Generate detailed diagnostic reports and manage them efficiently.

- **Pre & Post Scan:** Perform scans before and after repairs to document vehicle status.
- **WiFi Printing:** Print reports directly from the device without needing a PC.
- **Autel Cloud Service:** Upload and share diagnostic reports anytime, with no memory limit.

## MULTI-LANGUAGE VER. OF MS906 PRO-TS, NO IP RESTRICTION

- Better than Limited MS906 Pro-TS
- Fully-capable to Use Worldwide
- Support 21+ Languages

Figure 6.1: Workflow for Pre & Post Scan reports and WiFi printing.

### 6.2 Extended Functions

Expand the device's capabilities with optional accessories and integrated features.

- **Battery Test:** Works with Autel BT506 Battery Tester for comprehensive battery, cold cranking, and generator tests (BT506 not included).
- **Endoscope:** Compatible with MV108S/MV105S for visual inspection of hard-to-reach areas (Endoscope camera not included).

- **VAG Guided Function:** Provides guided functions for VW, Audi, Skoda, Seat, and Bentley vehicles.
- **VIN/Odometer Check:** Quickly retrieve VIN data and vehicle information, including mileage values from various ECUs.



Figure 6.2: Integration with Autel BT506 for battery testing.

## 7. TROUBLESHOOTING

If you encounter issues with your MaxiCOM MK906S PRO2-TS, consider the following common troubleshooting steps:

- **Connection Issues:** Ensure the VCI V200 is securely plugged into the OBDII port and its indicator lights are active. Verify the Bluetooth connection between the tablet and VCI in the VCI Manager.
- **Software Functionality:** Confirm that your software subscription is active and all updates have been installed. Outdated software can limit functionality for newer vehicles.
- **Vehicle Compatibility:** Not all functions are universal across all vehicle models. Always check compatibility for specific services or tests by providing your VIN to Autel support.
- **Power Issues:** Ensure the tablet is sufficiently charged. The device has an 11600mAh battery for extended operation.

## 8. SPECIFICATIONS

Feature	Specification
Model	Autel MaxiCOM MK906S PRO2-TS
Operating System	Android 10.0
Processor	Qualcomm 660 8-Core CPU
Memory	4G RAM & 128G ROM
Display	8.0" LED Screen with 1920*1200 resolution
Battery	11600mAh Lithium Polymer



Cameras	Dual 16MP
Connectivity	Bluetooth, 5G & 2.4G WiFi
Protocols Supported	CAN FD, DoIP
Item Weight	7.26 pounds
Product Dimensions	2.36 x 1.97 x 1.57 inches

## 9. WHAT'S IN THE BOX

- Autel MaxiCOM MK906S PRO2-TS Tablet
- Power Adapter
- VCI V200
- Lifetime Tech-Support
- 1-Year Warranty

## 10. WARRANTY AND SUPPORT

The Autel MaxiCOM MK906S PRO2-TS comes with a 12-month warranty and lifetime technical support. Additionally, it includes 1-year of free software updates, with weekly/monthly updates continually expanding vehicle coverage and services.

- **1-Year Free Updates:** Access to the latest software versions and vehicle data.
- **12-Month Warranty:** Covers manufacturing defects and hardware issues.
- **Lifetime Support:** Ongoing technical assistance for the lifespan of the product.
- **30-Day Return/Replace Policy:** For customer satisfaction.

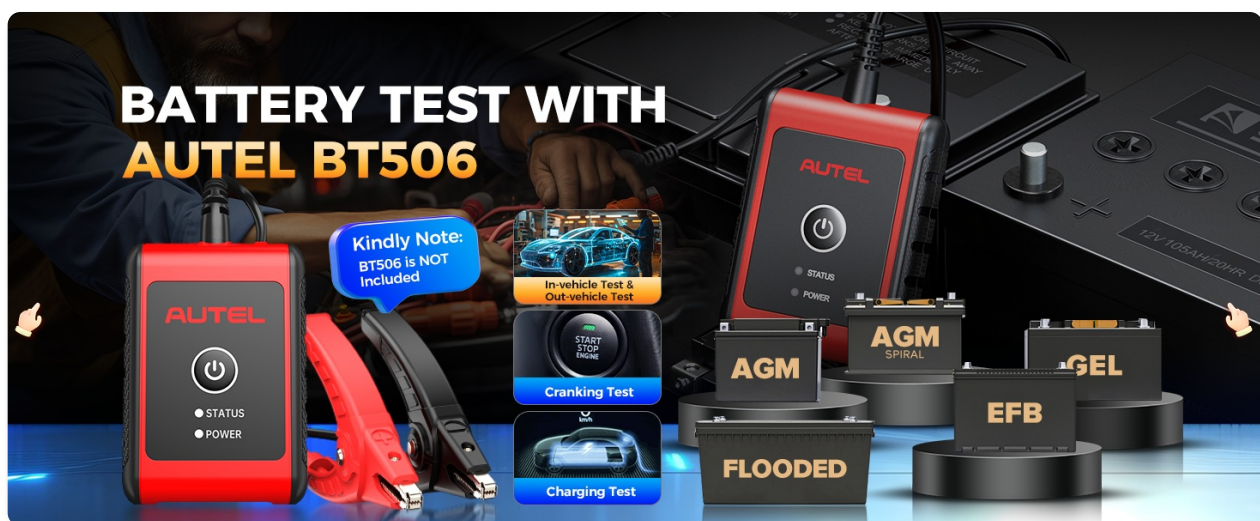


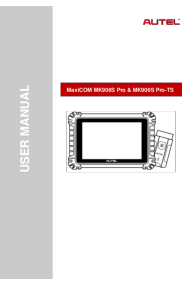

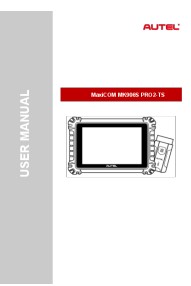
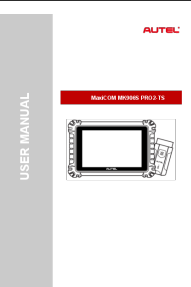


Figure 10.1: Autel's commitment to customer support and updates.

For any inquiries or to change the device language, please contact Autel support directly.

## Related Documents - MaxiCOM MK906S PRO2-TS

	<p><a href="#">Autel MaxiSys Quickstart Guide: Connecting, Registering, and Using Your Device</a></p> <p>A comprehensive quickstart guide for Autel MaxiSys diagnostic tools, covering Wi-Fi connection, tool registration, software updates, vehicle identification, and system suite applications.</p>
	<p><a href="#">Autel MaxiSys Quickstart Guide: Connecting to Wi-Fi, Tool Registration, and Software Updates</a></p> <p>A comprehensive quickstart guide for Autel MaxiSys devices, covering Wi-Fi connection, tool registration via PC and tablet, software updates, VCI connection, vehicle identification, auto-scan, fault scan, and report generation.</p>
	<p><a href="#">AUTEL MaxiCOM MK906S Pro &amp; MK906S Pro-TS User Manual</a></p> <p>Comprehensive user manual for the AUTEL MaxiCOM MK906S Pro and MaxiCOM MK906S Pro-TS advanced smart wireless automotive diagnostic devices. Covers setup, diagnostics, TPMS, service functions, and maintenance.</p>
	<p><a href="#">Autel MaxiCOM MK906S PRO &amp; MK906S PRO-TS User Manual</a></p> <p>User manual for the Autel MaxiCOM MK906S PRO and MK906S PRO-TS advanced smart wireless diagnostic devices, covering setup, diagnostics, TPMS, service functions, and battery testing.</p>
	<p><a href="#">MaxiCOM MK906S PRO2-TS User Manual - Autel Diagnostics</a></p> <p>Comprehensive user manual for the Autel MaxiCOM MK906S PRO2-TS advanced smart wireless diagnostics device. Covers system overview, getting started, diagnostics, TPMS, service functions, battery testing, data management, settings, updates, support, and compliance information.</p>
	<p><a href="#">Autel MaxiCOM MK906S PRO2-TS User Manual</a></p> <p>Comprehensive user manual for the Autel MaxiCOM MK906S PRO2-TS, an advanced smart wireless diagnostics device for automotive service. Covers system overview, getting started, diagnostics, TPMS, service functions, battery testing, data management, settings, updates, support, and compliance information.</p>



