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

Autel MaxiCheck MX900TS-US

Autel MaxiCheck MX900TS Diagnostic Tool User Manual

Model: MaxiCheck MX900TS-US

Brand: Autel

Introduction

The Autel MaxiCheck MX900TS is a professional-grade diagnostic scan tool designed for comprehensive vehicle system analysis, maintenance services, and advanced Tire Pressure Monitoring System (TPMS) functions. This device integrates a powerful Android 11.0 operating system with a user-friendly 8-inch touchscreen, offering efficient and accurate diagnostics for a wide range of vehicle makes and models. It supports advanced protocols like CAN FD and DOIP, ensuring compatibility with newer vehicles.



Image: The Autel MaxiCheck MX900TS diagnostic tool, showcasing its main unit, VCI, and key features like full TPMS, 3000+ active tests, 40+ services, and CAN FD/DOIP support.

What's in the Box

Upon unboxing your Autel MaxiCheck MX900TS, please verify that all the following components are present:

- MX900TS scanner unit
- MaxiVCI V150 Vehicle Communication Interface
- Power Adapter
- USB Type-C Cable
- Soft Cloth
- Quick Reference Guide
- Packing List

- Carrying Case

Setup Guide

Follow these steps to set up your Autel MaxiCheck MX900TS for the first time:

1. **Charging the Device:** Connect the power adapter to the MX900TS unit and a power outlet. Allow the device to fully charge before initial use. The charging indicator will show the battery status.
2. **Power On:** Press and hold the Power button located on the side of the device until the Autel logo appears on the screen.
3. **Initial Configuration:** Follow the on-screen prompts to select your language, region, and time zone.
4. **Wi-Fi Connection:** Navigate to **Settings** > **Wi-Fi** and connect to an available wireless network. A stable internet connection is crucial for software updates and online features.
5. **Software Updates:** After connecting to Wi-Fi, go to the **Update** application on the main menu. Download and install all available system and vehicle software updates to ensure optimal performance and the latest vehicle coverage.
6. **VCI Connection:** Plug the MaxiVCI V150 into the vehicle's OBDII port, typically located under the dashboard. Ensure the VCI's indicator light is on, signifying a successful connection. The MX900TS will automatically pair with the VCI via Bluetooth.



Image: An overview of the Autel MaxiCheck MX900TS hardware, highlighting its 8-inch screen, Android 11.0 OS, RockChip 3566 processor, 4G/64G memory, 7700mAh battery, dual-band Wi-Fi, and 8MP rear camera.

Operating Instructions

User Interface Overview

The main menu of the MX900TS provides quick access to all diagnostic and service functions. Key applications include:

- **Diagnostics:** For comprehensive vehicle system scanning.
- **Service:** Access to various maintenance and reset functions.
- **TPMS:** Dedicated functions for Tire Pressure Monitoring Systems.
- **ToolKit:** Additional utilities and settings.
- **VCI Manager:** Manages the connection with the MaxiVCI V150.
- **Update:** For software and vehicle data updates.

Vehicle Diagnostics

The Diagnostics section allows for in-depth analysis of vehicle systems.

1. **Connect to Vehicle:** Ensure the MaxiVCI V150 is securely plugged into the vehicle's OBDII port and connected wirelessly to the MX900TS.
2. **Vehicle Identification:**
    a. **Auto Scan 2.0:** The device can automatically detect the vehicle's VIN (Vehicle Identification Number) for quick identification.
    b. **Camera Scan License:** Use the built-in 8MP camera to scan the vehicle's license plate for VIN detection.
    c. **Manual Input:** If automatic detection fails, you can manually enter the VIN or select vehicle details (make, model, year).
3. **System Scan:** Once identified, select "Auto Scan" to perform a comprehensive scan of all available vehicle systems (e.g., Engine, ABS, Airbag, Transmission, TPMS, etc.).
4. **Review Diagnostic Trouble Codes (DTCs):** The scan results will display any detected DTCs. You can view detailed descriptions of each code.
5. **Clear DTCs:** After addressing the underlying issues, you can clear the DTCs from the vehicle's ECU.
6. **Live Data Stream:** View real-time data parameters from various sensors and components in text, graph, or analog gauge modes. This is crucial for monitoring vehicle performance and diagnosing intermittent issues.
7. **Freeze Frame Data:** Access a snapshot of vehicle conditions at the moment a DTC was set, providing valuable context for diagnosis.



Image: The Autel MaxiCheck MX900TS performing an all-system diagnostic scan, showing VIN detection and various diagnostic functions like reading/erasing codes, ECU info, live data, and component adaptation.



Image: A demonstration of the graphic live data stream feature on the Autel MaxiCheck MX900TS, displaying real-time PID data in various modes including analog, text, waveform, and digital gauges.

TPMS Functions

The MX900TS offers comprehensive TPMS capabilities:

- **Sensor Activation:** Activate 99% of 315MHz and 433MHz TPMS sensors to read sensor ID, tire pressure, temperature, and battery status.
- **MX-Sensor Programming:** Program Autel MX-Sensors (1-16) to replace faulty sensors. Options include Copy by OBD, Copy by Activation, Copy by Manual Input, and Auto Create.
- **TPMS Relearn:** Perform various relearn procedures (Stationary Relearn, Automatic Relearn, OBD Relearn) to link new sensor IDs to the vehicle's ECU. The tool provides over 3000 built-in relearn guides.
- **TPMS Retrofit:** For vehicles without a factory-installed TPMS module, the MX900TS can assist in retrofitting a TPMS system.
- **TPMS Health Check:** Quickly assess the health of TPMS sensors and the system.



Image: The Autel MaxiCheck MX900TS demonstrating its complete TPMS capabilities, including 99% sensor activation, two programming methods, three relearn

options, and over 3000 built-in TPMS relearn guides.



Image: Steps for TPMS sensor activation using the Autel MaxiCheck MX900TS, showing the process of triggering the sensor, receiving data, and running activation.

Bidirectional Control (Active Tests)

This function allows the diagnostic tool to send commands to vehicle systems and components to test their functionality, rather than just receiving information. This is invaluable for pinpointing faulty components.

- **Examples:** EVAP Test, Injector Test, Cooling Fan Test, A/C Clutch Test, ABS Pump Cycling, Fuel Pump activation, VGT Turbo Calibration, Idle Speed Adjustment, and more.
- To perform an active test, navigate to the**Diagnostics** section, select the relevant system, and choose the desired active test from the menu. Follow the on-screen instructions.



Image: A visual representation of the bidirectional control/actuator test function on the Autel MaxiCheck MX900TS, showing the ability to send commands to components like fuel pumps, injectors, and mirrors to verify their operation.

Service Functions

The MX900TS provides over 40 common maintenance and reset services:

- Oil Reset
- Electronic Parking Brake (EPB) Reset
- Steering Angle Sensor (SAS) Calibration
- Battery Management System (BMS) Reset
- ABS Bleeding
- Throttle Adaptation
- Injector Coding
- Transmission Adaptation
- Suspension Calibration
- Sunroof Initialization

- Headlamp Adjustment
- And many more.



Image: A collage illustrating various service functions available on the Autel MaxiCheck MX900TS, including Oil Reset, Throttle Adaptation, EPB Reset, ABS/SRS, BMS Reset, Injector Coding, Suspension, and Headlamp adjustment.

Advanced Features

- **CAN FD & DOIP Protocols:** Supports newer vehicle communication protocols for faster data transmission and broader compatibility with modern vehicles (e.g., GM 2019+, Volvo 2018+, Jaguar & Land Rover 2017+, BMW F&G chassis).
- **Wi-Fi Print:** Allows direct printing of diagnostic reports from the device via Wi-Fi.
- **Pre-Scan & Post-Scan Reports:** Generate detailed reports before and after repairs to document diagnostic findings and confirm successful repairs.
- **Battery Diagnosis (with BT506):** When paired with the optional Autel BT506 battery tester, the MX900TS can perform comprehensive battery and charging system tests.
- **Endoscope Functions (with MV108S/MV105S):** Connect an optional Autel endoscope (MV108S/MV105S) to inspect

hard-to-reach areas of the engine or vehicle.

- **FCA & Renault SGW Access:** Provides authorized access to Security Gateway (SGW) modules on 2018+ FCA vehicles and 2015+ Renault vehicles for full diagnostic and service capabilities.



Image: A visual summary of new practical functions added to the Autel MaxiCheck MX900TS, including CAN FD/DOIP protocol support, OEM authorization, cloud-based report management, Wi-Fi print, pre/post scan, battery test, endoscope compatibility, and FCA/Renault SGW access.



Image: The Autel MaxiCheck MX900TS displaying an image from an attached endoscope, showing its utility for inspecting internal engine components.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your Autel MaxiCheck MX900TS:

- **Software Updates:** Regularly check for and install software updates via the**Update** application. These updates provide new features, vehicle coverage, and bug fixes.
- **Cleaning:** Use a soft, damp cloth to clean the device's screen and exterior. Avoid abrasive cleaners or solvents.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. If storing the device for an extended period, ensure it is charged to about 50-70%.
- **Storage:** Store the device in its carrying case in a cool, dry place, away from direct sunlight, extreme temperatures, and excessive dust.
- **VCI Care:** Keep the MaxiVCI V150 clean and free from debris. Ensure its connection pins are not bent or damaged.



Image: An icon representing software updates, emphasizing the importance of keeping the Autel MaxiCheck MX900TS software current for optimal performance.

Troubleshooting

This section addresses common issues you might encounter with your MX900TS:

Issue	Possible Cause	Solution
Device does not power on.	Low battery; faulty power adapter; hardware issue.	Ensure the device is fully charged. Try a different power outlet or adapter. If the issue persists, contact support.
No communication with vehicle.	VCI not properly connected; VCI not paired; vehicle ignition off; blown fuse in vehicle's OBDII port; incompatible vehicle.	Check VCI connection to OBDII port. Ensure VCI is paired via Bluetooth. Turn vehicle ignition to ON position. Check vehicle's OBDII fuse. Verify vehicle compatibility.
TPMS sensor not activating.	Incorrect activation procedure; sensor battery dead; sensor faulty; incorrect frequency selected.	Refer to the TPMS section for correct activation steps. Ensure the sensor is within range and functional. Verify correct frequency (315MHz/433MHz).
Software freezing or slow performance.	Outdated software; insufficient memory; too many applications running.	Perform a software update. Close unnecessary applications. Restart the device.

For issues not listed here, please refer to the official Autel support resources or contact customer service.

Specifications

Feature	Detail
Brand	Autel
Model	MaxiCheck MX900TS-US
Operating System	Android 11.0
Display Resolution	8 inch 1280*800 Screen
Processor	RK3566 Rockchip CPU
Memory	4GB RAM & 64GB Storage
Battery	7700mAh Lithium Polymer (included)
Camera	8MP Rear Camera
Connectivity	Dual-band 5&2.4 GHz Wi-Fi, Bluetooth (for VCI)
VCI	MaxiVCI V150 (supports DOIP & CAN FD)
Product Dimensions	14.96 x 11.42 x 4.72 inches
Item Weight	1.76 ounces
UPC	788285833208



	MX900TS	MK808S-TS /MX808S-TS	MS906TS	MS906 PRO-TS
Sold	879	649	1269	1669
OS	Android 11.0	Android 11.0	Android 11.0	Android 7.0
CPU	4-Core 3566 RockChip	4-Core 3566 RockChip	5260 Exynox	8895 Exynox
Screen	8in 1280x800	7in 1024x600	8in 1024x768	8in 1024x768
Camera	8MP Rear	×	8MP Rear	5MP&16MP
Battery	7700mAh	5000mAh	10,000mAh	11,600mAh
Complete TPMS Function	√	√	√	√
ECU Coding	×	×	√	√
Bidirectional Control Diagnose	√	√	√	√
Service	40+	30+	36+	36+
DoIP Protocol	√	×	×	√
Works on Volvo 2018+, Jaguar&Land Rover 2017+, BMW F&G chassis models.	√	×	×	√
CAN FD Protocol	√	×	×	√
Work on Corvette 2020+, Encore, Genesis, GL8, etc.	√	×	×	√
Scan VIN/ Scan License	√	×	×	√
Pre&Post Scan	√	×	√	√
WIFI Print	√	×	×	√

Image: A comparison table detailing the specifications and features of the Autel MX900TS against other Autel models like MK808S-TS, MS906TS, and MS906 Pro-TS, highlighting its upgrades.

Warranty and Support

Autel provides comprehensive support for the MaxiCheck MX900TS:

- **Warranty:** The Autel MaxiCheck MX900TS comes with a 1-year warranty from the date of purchase.
- **Return & Replacement:** A 30-day return and replacement policy is available.
- **Technical Support:** For any technical questions, compatibility checks (e.g., for specific vehicle VINs and functions), or issues, please contact the authorized Autel support team.
- **Contact Information:** You can reach out to the professional Autel team via email at autel direct@outlook.com. They aim to respond within 24 hours.

Important Note: As per manufacturer's information, please contact the provided email for support, as Autel Tech

USA may not offer after-sales service for products purchased through certain channels.

© 2025 Autel. All rights reserved.
This manual is for informational purposes only. Specifications are subject to change without notice.

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/B08VRZWM26

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