

Autel 700020

Autel MaxiTPMS TS508WF TPMS Diagnostic and Service Tool

Model: 700020

1. INTRODUCTION

The Autel MaxiTPMS TS508WF is a comprehensive TPMS (Tire Pressure Monitoring System) diagnostic and service tool designed to activate all known OEM/Universal TPMS sensors, read TPMS sensor data, program Autel MX-Sensors, and perform TPMS system relearns. This manual provides essential information for the proper setup, operation, and maintenance of your TS508WF tool and accompanying 1-Sensors.

2. PRODUCT OVERVIEW

The TS508WF tool is equipped with a color display and intuitive navigation buttons, facilitating efficient TPMS service. It supports both USB and Wi-Fi updates to ensure access to the latest vehicle coverage and sensor data. The included Autel 1-Sensors are programmable universal TPMS sensors designed for broad vehicle compatibility.



This image displays the Autel MaxiTPMS TS508WF handheld diagnostic tool alongside a protective case containing eight Autel 1-Sensors. The tool features a color display showing menu options for 'Update by USB', 'Update by Wi-Fi', 'Setting', and 'About'. The case securely holds the sensors and includes compartments for accessories like cables.

Key Features:

- Activates all known OEM/Universal TPMS sensors.
- Reads sensor data including sensor ID, tire pressure, temperature, battery condition, and OE part number.
- Programs Autel MX-Sensors to replace 98% of OE sensors.
- Performs TPMS system relearn procedures.
- Wi-Fi and USB update capabilities for software and firmware.

3. SETUP

3.1 Initial Power-On

1. Ensure the device is fully charged using the provided power adapter.
2. Press and hold the power button (usually marked with a power symbol) to turn on the device.
3. Follow the on-screen prompts to select your preferred language and region settings.

3.2 Software Updates

Regular software updates are crucial for maintaining optimal performance and ensuring compatibility with the latest vehicle models and sensors. The TS508WF supports two update methods:

- **Update by USB:** Connect the tool to a computer via the USB cable and use the Autel PC Suite software to download and install updates.
- **Update by Wi-Fi:** Connect the tool to a stable Wi-Fi network. Navigate to the 'Update by Wi-Fi' option in the device menu and follow the on-screen instructions to download and install updates directly on the device.

3.3 Sensor Installation (Autel 1-Sensors)

Autel 1-Sensors are designed for professional installation. Refer to the specific instructions provided with the 1-Sensors for proper assembly and mounting within the tire. Ensure correct torque specifications are followed for the valve stem and sensor components to prevent damage or leaks.

4. OPERATING INSTRUCTIONS

4.1 Basic Navigation

The TS508WF features a directional pad for menu navigation, 'N' (No/Back) and 'Y' (Yes/Confirm) buttons for selections, and a dedicated Wi-Fi button for quick access to network settings. The '?' button provides help, and the power button also serves as a screen lock/unlock.

4.2 Sensor Activation

To activate a TPMS sensor:

1. Select the 'Activate Sensor' option from the main menu.
2. Choose the vehicle make, model, and year.
3. Follow the on-screen instructions to position the tool near each tire's sensor to activate it. The tool will display sensor ID, pressure, and other data upon successful activation.

4.3 MX-Sensor Programming

To program an Autel MX-Sensor:

1. Select the 'Program Sensor' option.
2. Choose the desired programming method (e.g., Copy by Activation, Copy by Manual Input, Auto Create).
3. Follow the on-screen prompts to program the MX-Sensor with the necessary vehicle data.

4.4 TPMS Relearn Procedures

After replacing sensors or rotating tires, a TPMS relearn procedure is often required. The TS508WF guides you through various relearn types:

- **OBD Relearn:** Connect the tool to the vehicle's OBDII port and follow the on-screen instructions.
- **Automatic Relearn:** Drive the vehicle under specific conditions as instructed by the tool.
- **Stationary Relearn:** Perform specific actions while the vehicle is stationary.

5. MAINTENANCE

5.1 Cleaning

Wipe the device with a soft, damp cloth. Do not use abrasive cleaners or solvents. Keep the screen free of dust and debris.

5.2 Software and Firmware Updates

Regularly check for and install software and firmware updates as described in Section 3.2 to ensure optimal functionality and vehicle coverage.

5.3 Battery Care

To prolong battery life, avoid fully discharging the device frequently. Store the device in a cool, dry place when not in use for extended periods. Charge the device regularly, even if not in active use.

6. TROUBLESHOOTING

6.1 Device Not Powering On

- Ensure the battery is sufficiently charged. Connect the device to the power adapter and allow it to charge for at least 30 minutes before attempting to power on again.
- Verify the power adapter and cable are functioning correctly.

6.2 Update Failures

- For Wi-Fi updates, ensure a strong and stable internet connection.
- For USB updates, ensure the Autel PC Suite software is up-to-date and the USB connection is secure.
- Temporarily disable any antivirus or firewall software on your computer that might interfere with the update process.

6.3 Sensor Activation/Programming Issues

- Ensure the correct vehicle make, model, and year are selected.
- Verify the sensor is not damaged or out of battery.
- Ensure the tool is positioned correctly near the sensor during activation.

7. SPECIFICATIONS

Brand	Autel
Model	700020
Item Weight	0.01 ounces
Product Dimensions	12 x 10 x 4 inches
Operating System	Windows 7 (for PC Suite updates)
Automotive Fit Type	Universal Fit
UPC	849438003319

8. WARRANTY AND SUPPORT

8.1 Product Warranty

Autel products are typically covered by a limited warranty against defects in materials and workmanship. For specific warranty terms and conditions, including duration and coverage details, please refer to the warranty card included with your product or visit the official Autel website.

8.2 Technical Support

For technical assistance, troubleshooting guidance beyond this manual, or service inquiries, please contact Autel customer support. Contact information and support resources can be found on the official Autel website (www.autel.com) or through your authorized dealer.

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