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› Autel MaxiTPMS TS408S User Manual

Autel Autel New Release TS408S

Autel MaxiTPMS TS408S User Manual

Model: Autel New Release TS408S | Brand: Autel

1. INTRODUCTION

The Autel MaxiTPMS TS408S is an advanced Tire Pressure Monitoring System (TPMS) tool designed for comprehensive TPMS diagnostics, sensor activation, programming, and relearn procedures. It serves as an upgraded version of previous models, offering wider vehicle coverage and enhanced functionalities for both professional technicians and DIY enthusiasts.



Figure 1.1: Autel MaxiTPMS TS408S device, showing the main unit, carrying case, and associated components.

This manual provides detailed instructions on how to effectively use the TS408S to manage and maintain your vehicle's TPMS, ensuring optimal tire performance and safety.

2. KEY FEATURES

The Autel MaxiTPMS TS408S offers a robust set of features to address various TPMS needs:

- **Sensor Activation:** Triggers nearly all OEM and universal 315MHz & 433MHz TPMS sensors to read sensor data such as ID, tire pressure, temperature, battery level, and frequency.
- **MX-Sensor Programming:** Programs Autel MX-Sensors with unlimited times using methods like Copy by OBD, Copy by Manual Input, and Auto Create (1-16 sensors).
- **Sensor Relearn:** Provides multiple relearn procedures including Automatic Relearn, Stationary Relearn, and Relearn via OBD, with on-tool guides for over 1000 vehicles.
- **TPMS Health Check:** Performs comprehensive TPMS diagnostics, including reading/erasing TPMS trouble codes,

displaying live data, accessing TPMS ECU information, and turning off the TPMS malfunction light.

- **Lifetime Free Updates:** Ensures the tool remains current with bug fixes and expanded vehicle compatibility.
- **Wide Vehicle Coverage:** Compatible with over 99% of cars, covering 150+ car makes and models from 1996-2025.

WHY NEED TPMS EXPERT 2025 AUTEL TS408S?

Reset New Sensors

Monitor Tire Pressure

Safely Navigate Tough Conditions

NEW

- ✓ TPMS Relearn
- ✓ TPMS Reset
- ✓ Programming
- ✓ Sensor Data
- ✓ TPMS Health Check
- ✓ F.free Updates
- ✓ More ...

2025 Newer Version of TS501, Come w/ OBD2 Cable

Figure 2.1: Overview of key functions and benefits of the Autel TS408S.

3. SETUP

Before using your Autel MaxiTPMS TS408S, ensure it is properly set up and charged.

3.1 Initial Charging

The device is powered by a 3.7V Li-polymer battery. Connect the included USB cable to the device and a power source (e.g., computer USB port or a USB wall adapter) to charge the unit. A full charge is recommended before first use.

3.2 Powering On/Off

- To power on: Press and hold the power button (usually marked with a red circle and line) until the screen illuminates.
- To power off: Press and hold the power button until a shutdown prompt appears, then confirm.

3.3 Language and System Settings

Navigate through the device menu using the directional buttons and 'OK' button. Access the 'Settings' menu to configure language (19 languages supported), display brightness, and other system preferences.

4. OPERATING INSTRUCTIONS

This section details the primary functions of the Autel MaxiTPMS TS408S.

4.1 Sensor Activation

Sensor activation is the process of waking up a TPMS sensor and reading its data. This is a crucial first step before programming or relearning.

1. Select the 'Activate Sensors' option from the main menu.
2. Hold the TS408S tool close to the tire valve stem of the sensor you wish to activate.
3. Press the trigger button on the device.
4. The device will receive and display sensor data, including sensor ID, tire pressure, temperature, and battery status.

TS408 ACTIVATION PROCEDURE

Activate 98% of Known Sensors

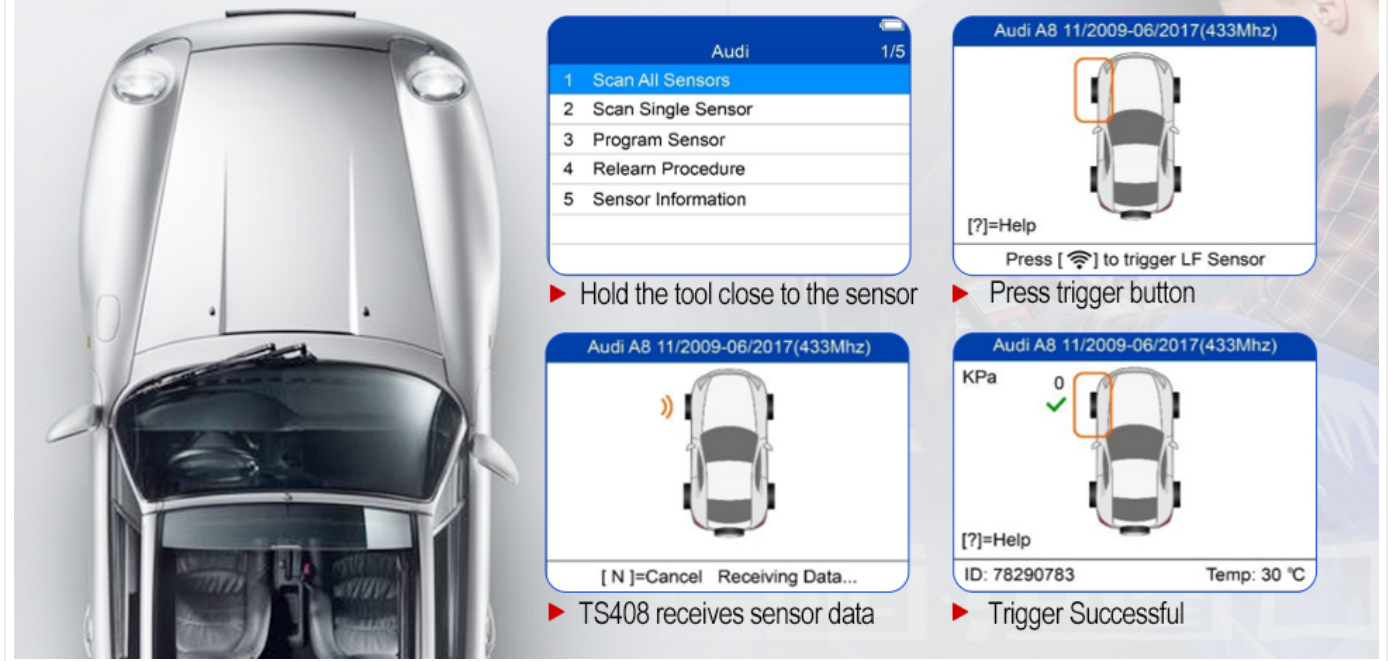


Figure 4.1: Steps for activating a TPMS sensor using the TS408S.

4.2 MX-Sensor Programming

The TS408S can program Autel MX-Sensors to replace faulty or new sensors. There are several programming methods:

- **Copy by OBD:** Connect the TS408S to the vehicle's OBDII port using the included cable. The tool will retrieve the old sensor ID from the vehicle's ECU and write it directly to the new MX-Sensor. This method is ideal for direct replacement without relearning.
- **Copy by Activation:** Activate the old sensor to retrieve its ID, then write this ID to a new MX-Sensor. This allows the new sensor to be installed in the original position without requiring a relearn.
- **Copy by Manual Input:** If the old sensor is completely damaged or its ID cannot be read, manually input the old sensor ID (found on the sensor housing) into the TS408S, then program it to the new MX-Sensor.
- **Auto Create (1-16 Sensors):** If no old sensor ID is available, the TS408S can automatically generate new random IDs for MX-Sensors. A relearn procedure will be necessary after using this method.

FAST TPMS PROGRAMMING

Easily Program Yourself - No More Tire Shop or Dealer Visits!

NEW

1	LF Sensor ID 29111111(Hex)
2	RF Sensor ID 29222222(Hex)
3	RR Sensor ID 29333333(Hex)
4	LR Sensor ID 29444444(Hex)
5	SP Sensor ID 29555555(Hex)

Copy by OBD

Steps
OBD2 Diagnostics
Get ID
Write in ID

Auto Create
433MHz

Keep sensor(s) to be programmed within 10 cm (4 in). Keep other sensors at least 120 cm (4 ft) away. Keep pressure below

Copy by Activation

Steps
Activate
Get ID
Write in ID



Figure 4.2: Programming Autel MX-Sensors using the TS408S.

4.3 Sensor Relearn Procedures

After replacing or programming TPMS sensors, a relearn procedure is necessary to allow the vehicle's ECU to recognize the new sensor IDs. The TS408S supports multiple relearn types:

- **Automatic Relearn:** For vehicles that can automatically learn new sensor IDs by driving for a certain period at varying speeds. The TS408S can guide you through this process.
- **Stationary Relearn:** This procedure requires placing the vehicle into "learn mode" (often through specific vehicle actions or using the TS408S) and then activating each sensor to transmit its ID to the vehicle's ECU without driving.
- **Relearn via OBD:** Connect the TS408S to the vehicle's OBDII port. The tool can directly write the new sensor IDs to the vehicle's TPMS module, simplifying the relearn process.

The TS408S provides on-screen relearn guides for over 1000 vehicles, offering step-by-step instructions for the exact process required for your specific vehicle model.

4 TPMS RELEARN WAYS

Paid for Itself: No More Overpriced Shop Visit for TPMS Relearn

56%

OBDII Relearn

Directly write the TPMS sensor IDs to the TPMS module

38%

Automatic Relearn

Relearn function can be completed by driving

16%

Stationary Relearn

Requires the vehicle be placed in the "Learn Mode."

1000+

Relearn Guide

Clear, step-by-step relearning instructions inside

Figure 4.3: Various TPMS relearn methods supported by the TS408S.

4.4 TPMS Health Check & Data Reading

The TS408S allows for quick and comprehensive assessment of your TPMS system's health.

- **Read Sensor Information:** After activation, view detailed sensor data including sensor ID, current tire pressure, tire

temperature, sensor battery status, sensor position, and frequency. This data helps identify issues like low battery or incorrect pressure.

- **Read/Erase TPMS DTCs:** Access and clear diagnostic trouble codes related to the TPMS system.
- **Display TPMS Live Data:** Monitor real-time TPMS data, often presented in graphical form for easy analysis.
- **Access TPMS ECU Information:** Retrieve information directly from the vehicle's TPMS Electronic Control Unit.
- **Turn Off TPMS Malfunction Light:** After resolving TPMS issues, use the tool to turn off the warning light on the dashboard.

1-Stop TPMS Health Check



30s to Read Sensor Data



- ✓ Sensor ID
- ✓ Tire Pressure
- ✓ Tire Temp.
- ✓ Sensor Battery Power
- ✓ Sensor Position
- ✓ Sensor Frequency

Get Accurate Data in Just 30 Seconds



Figure 4.4: Performing a TPMS health check and reading sensor data with the TS408S.

5. VEHICLE COMPATIBILITY

The Autel MaxiTPMS TS408S boasts extensive vehicle compatibility, supporting over 99% of OEM and universal 315MHz

& 433MHz TPMS sensors across a wide range of car makes and models from 1996 to 2025. It covers major vehicle markets including European, Asian, American, and Australian vehicles. For specific model compatibility, it is recommended to check the official Autel website's coverage list.

1 TS408S FOR **ALL CARS**



EUROPEAN VEHICLES

Compatible With Abath, Alfa, Audi, Bentley, MercedesBenz, BMW, Opel, Bugatti, Citroen, DaciaFerrari, Fiat, EU Ford, Jaguar, Lamborghini, MINI, Lancia, Land Rover, Maserati, Skoda, Peugeot, Porsche, Renault, Vauxhall, Saab, Seat, Elegante, Volvo, AstonMartin, vw, Sprinter



ASIA VEHICLES

Compatible With Acura, ASIA GM, DaewooDaihatsu, Honda, Hyundai, Infiniti, Isuzu, kiaLexus, Para Mazda, Mitsubishi, Nissan, Perodua, Proton, Ssangyong, Subaru, Suzuki, Toyota



AMERICAN VEHICLES

Compatible With Chrysler, US Ford, USA GM, Jeep, Dodge



AUSTRALIA VEHICLES

Compatible With Holden, AU Ford



OBDII VEHICLES

NO#1 Car Coverage

150+ Car Makes

1996-2025 Models

US Top Selling Cars

Worldwide Usage

Frequent Updates



Figure 5.1: Global vehicle compatibility of the TS408S.

MX-Sensor_V6.14 Function List For US Market (Note:For reference only)

NOTES:

- This function is supported. ○ This function is not supported. Mark explaining (Red: New, Yellow: Modify)

Special Declaration:

1). If the "Relearn Type" of MX-Sensor is only OBD type, and the "OBD-II Function" has not been released for the moment, you can just do the clone for relearning the MX-Sensor.

2). All the Automatic Relearn Procedure for MX-Sensor, the drive speed should be controlled between 16 mph (25 km/h) and 64 mph (100 km/h).

Make	Model	Year Range	Feature	Model code	Programming Status	Relearn Type (A=Automatic, S=Stationary, O=OBD, C=Copy)	Frequency	Sensor Manufacturer	Support by Autel (MX-Sensor)	Support by Autel (Tool)
Abarth	124 Spider	10/2016-06/2020	433MHz		●	A	433MHz	Continental	●	●
Abarth	124 Spider	09/2016-12/2020	315MHz		●	A	315MHz	Continental	●	●
Acura	CSX	06/2005-12/2012	315MHz		●	C	315MHz	TRW	●	●
Acura	ILX	06/2019-12/2020	433MHz		●	A	433MHz	Continental	●	●
Acura	ILX	01/2013-12/2015	315MHz		●	C	315MHz	Continental	●	●
Acura	ILX	01/2016-12/2020	315MHz		●	C	315MHz	Continental	●	●
Acura	MDX	01/2004-12/2006	315MHz		●	C	315MHz	TRW	●	●
Acura	MDX	01/2007-05/2013	315MHz		●	A	315MHz	Pacific	●	●
Acura	MDX	06/2013-12/2015	315MHz		●	C	315MHz	Continental	●	●
Acura	MDX	01/2016-06/2020	315MHz		●	C	315MHz	Continental	●	●
Acura	MDX	01/2018-12/2019	433MHz		●	C	433MHz	Continental	●	●
Acura	NSX	01/2016-06/2020	433MHz		●	C	433MHz	Continental	●	●
Acura	NSX	06/2016-12/2020	315MHz		●	C	315MHz	Continental	●	●
Acura	RDX	01/2007-12/2012	315MHz		●	A	315MHz	Pacific	●	●
Acura	RDX	01/2013-12/2015	315MHz		●	C	315MHz	Continental	●	●
Acura	RDX	01/2016-12/2020	315MHz		●	C	315MHz	Continental	●	●
Acura	RDX	01/2018-12/2019	433MHz		●	C	433MHz	Continental	●	●
Acura	RL	01/2005-12/2008	315MHz		●	C	315MHz	TRW	●	●
Acura	RL	01/2009-12/2013	315MHz		●	C	315MHz	TRW	●	●
Acura	RLX	01/2014-12/2015	315MHz		●	C	315MHz	TRW	●	●

Figure 5.2: Example of detailed function list for specific vehicle models.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your TS408S.

6.1 Software Updates

The TS408S comes with lifetime free software updates. Regularly update the device to ensure it has the latest vehicle coverage, bug fixes, and new features. Connect the device to a computer with internet access and use the Autel Maxi PC Suite software (available on the official Autel website) to perform updates.

6.2 Cleaning and Storage

- Clean the device with a soft, damp cloth. Avoid using abrasive cleaners or solvents.
- Store the device in its original carrying case in a dry, cool environment, away from direct sunlight and extreme temperatures.
- Ensure the device is fully charged before long-term storage to preserve battery health.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with the TS408S.

Problem	Possible Cause	Solution
Device does not power on.	Low battery; power button not held long enough.	Charge the device for at least 30 minutes. Press and hold the power button for 3-5 seconds.

Problem	Possible Cause	Solution
Cannot activate sensor.	Tool too far from sensor; sensor faulty/dead battery; incorrect frequency selected.	Hold the tool within 10 cm (4 inches) of the valve stem. Ensure the sensor is functional. Verify the correct frequency (315MHz/433MHz) is selected on the tool.
TPMS warning light remains on after relearn.	Relearn procedure not completed correctly; underlying TPMS system issue.	Repeat the relearn procedure carefully following on-screen instructions. Check for any diagnostic trouble codes (DTCs) using the tool and address them.
Programming MX-Sensor fails.	MX-Sensor not within range; incorrect programming method selected.	Ensure the MX-Sensor is within 10 cm (4 inches) of the tool. Confirm you are using an Autel MX-Sensor. Select the appropriate programming method (Copy by OBD, Copy by Activation, etc.).

8. SPECIFICATIONS

Feature	Detail
Model	Autel New Release TS408S
Display	320x240 TFT Color Screen (3 Inches)
Power Source	3.7 V Li-polymer Battery
Operating System	Android 4.4
Connectivity	OBD2 Cable (included)
Dimensions (Parcel)	34.39 x 29.21 x 10.49 cm
Item Weight	1.78 kg
Supported Frequencies	315MHz & 433MHz

9. WARRANTY AND SUPPORT

Autel is committed to providing high-quality products and excellent customer service.

- **Warranty:** The Autel MaxiTPMS TS408S comes with a 1-Year Quality Backup warranty.
- **Returns & Replacements:** A 30-Day Return & Replace policy is typically offered. Please refer to your purchase terms for exact details.
- **Technical Support:** 24/7/365 technical support is available to assist with any operational questions or issues. Contact information can usually be found on the official Autel website or within the device's 'About' section.
- **Lifetime Upgrades:** Enjoy lifetime free software upgrades, ensuring your tool remains up-to-date with the latest vehicle data and functionalities.

Quality **First**, Service **Best**

Next Level: TS408S, Built on TS401, 408, 501!



100% Original Scanner	24*365 Tech Support	1-Year Quality Backup	30-Day Return & Replace	Lifetime Upgrade Included

Figure 9.1: Autel's commitment to quality and customer support.

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