

## Autel MaxiBAS BTMS

# Autel MaxiBAS BTMS OBDII Memory Saver Instruction Manual

Model: MaxiBAS BTMS

## 1. INTRODUCTION

The Autel MaxiBAS BTMS OBDII Memory Saver is a specialized tool designed to maintain continuous power to a vehicle's onboard electronics when the main battery is disconnected. This prevents the loss of critical data such as vehicle codes, electronic presets, radio settings, and other control module adjustments during battery replacement or other maintenance procedures requiring battery disconnection.

This manual provides detailed instructions for the safe and effective use of your Autel MaxiBAS BTMS Memory Saver.

## 2. SAFETY INFORMATION

- Always ensure the backup 12-volt battery is fully charged and in good condition before use.
- Connect the alligator clips to the backup battery terminals correctly: red to positive (+), black to negative (-).
- The device features polarity and surge protection to safeguard against incorrect connections and voltage spikes. However, always double-check connections.
- Ensure the vehicle's ignition is OFF before connecting the memory saver to the OBDII port.
- Avoid short-circuiting the alligator clips or the OBDII connector.
- Do not attempt to disassemble or modify the device.
- Keep the device away from moisture, heat, and flammable materials.

## 3. PRODUCT OVERVIEW

The Autel MaxiBAS BTMS consists of an OBDII connector, alligator clips for a backup battery, and an inline control unit with LED status indicators.



Figure 1: Autel MaxiBAS BTMS Memory Saver components.

This image displays the complete Autel MaxiBAS BTMS Memory Saver cable, featuring a red OBDII connector on one end, a black inline control unit with green LED indicators, and red and black alligator clips on the other end, designed to connect to a 12-volt backup battery.

### Components:

- **OBDII Connector:** Plugs into the vehicle's On-Board Diagnostics port, typically located under the dashboard.
- **Alligator Clips:** Red clip for the positive (+) terminal and black clip for the negative (-) terminal of a 12-volt backup battery.
- **Control Unit with LED Indicators:** Provides visual feedback on the power supply status and battery voltage.
- **Cable Length:** Approximately 1.8 meters (5.9 ft) for convenient use.

# AUTEL MAXIBAS BTMS



Figure 2: Detailed view of Autel MaxiBAS BTMS components.

This image highlights the individual components of the Autel MaxiBAS BTMS: (1) the 16-pin OBD2 connector, (2) insulation-protected alligator clips, (3) the 1.8M (5.9ft) cable, and (4) the power supply status indicator on the control unit.

## 4. SETUP

### 4.1. Prepare Backup Battery

1. Obtain a fully charged 12-volt backup battery (e.g., a jump starter or another car battery).
2. Connect the red alligator clip to the positive (+) terminal of the backup battery.
3. Connect the black alligator clip to the negative (-) terminal of the backup battery.
4. Observe the LED indicators on the control unit. All three LEDs should light green, indicating sufficient voltage (at least 10 volts). If the center LED lights red, the backup battery voltage is too low and should not be used.
5. The device also detects reverse polarity. If connected incorrectly, it will prevent power flow to protect the vehicle's electronics.

# CAR BATTERY REPLACING TOOL

Never fear losing vehicle data by replacing the battery

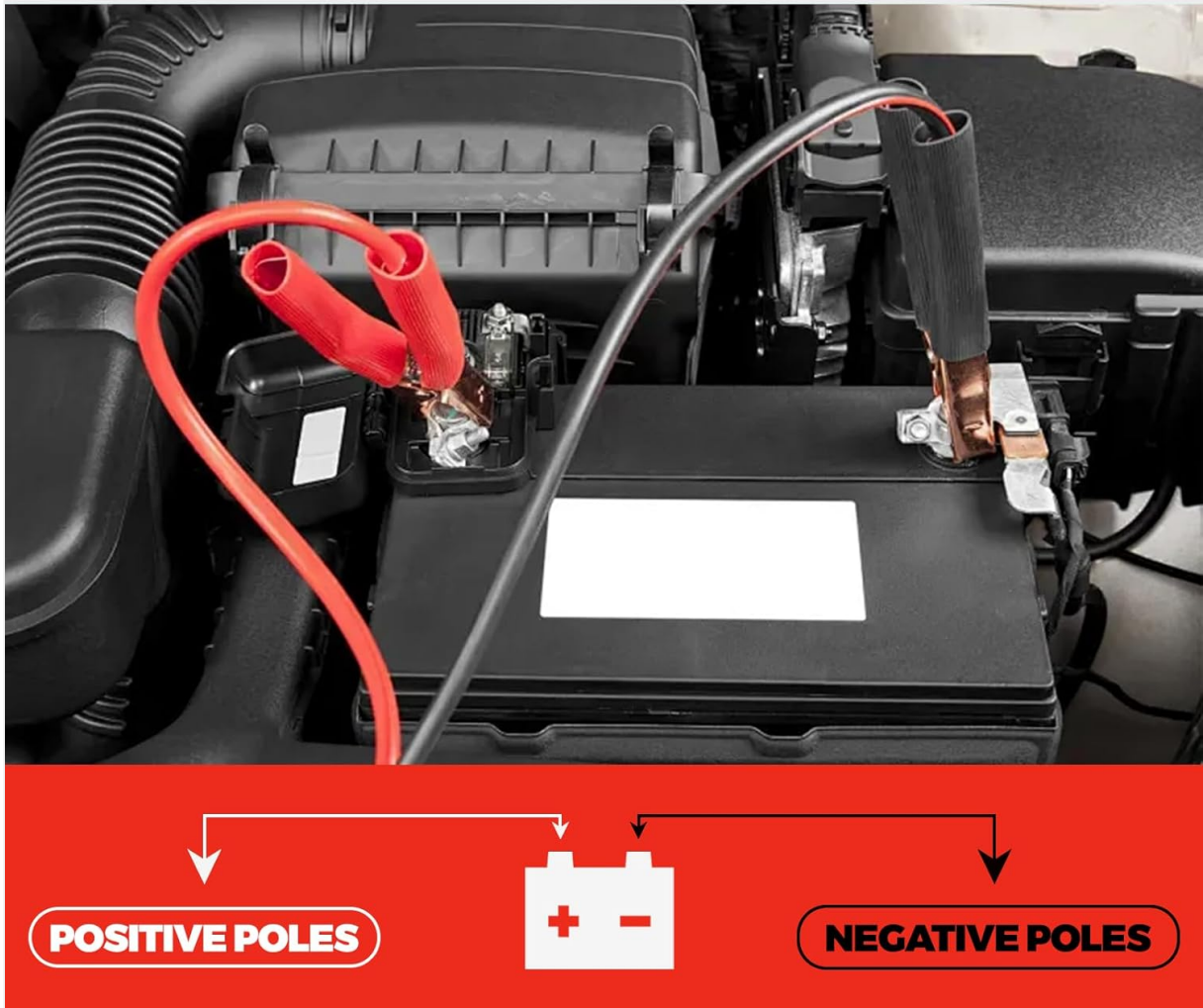


Figure 3: Connecting the memory saver to a backup battery.

This image shows the red and black alligator clips of the Autel MaxiBAS BTMS connected to the corresponding positive and negative terminals of a 12-volt car battery, ensuring a stable power source for memory preservation.

## 4.2. Locate Vehicle OBDII Port

- Ensure the vehicle's ignition is OFF.
- Locate the vehicle's 16-pin OBDII/EOBD port. This is typically found under the dashboard on the driver's side. Refer to your vehicle's owner's manual if you cannot locate it.



# SIMPLE OPERATION STEPS



Figure 4: Connecting the OBDII connector to the vehicle.

This image illustrates the red OBDII connector being plugged into the vehicle's OBDII port, typically found under the dashboard on the driver's side, establishing the connection for memory preservation.

## 5. OPERATING INSTRUCTIONS

### 5.1. Memory Preservation during Battery Replacement

1. Complete steps 4.1 and 4.2 to connect the memory saver to a backup battery and the vehicle's OBDII port.
2. Once connected, two LEDs on the control unit will light green, confirming a successful connection and power supply to the vehicle's electronics.
3. You can now safely disconnect and replace the vehicle's main battery. The Autel MaxiBAS BTMS will provide continuous power to the vehicle's systems, preserving all stored codes, settings, and adjustments.
4. After installing the new vehicle battery, reconnect its terminals.
5. Disconnect the Autel MaxiBAS BTMS from the vehicle's OBDII port, then disconnect the alligator clips from the backup battery.
6. Verify that all electronic settings (e.g., radio presets, clock, seat positions) are retained.

# RESERVE ECU SETTINGS & DATA



**SAS SYSTEM**



**AIR CONDITIONNING**



**DASHBOARD INFO**



**MEMORY SEATS**



**ABS**



**ELECTRONIC MIRROR**



**RADIO**



**SUNROOF**

Figure 5: Step-by-step operation of the memory saver.

This image visually guides the user through the simple operation steps: (1) Connect to a 12V backup battery, (2) LEDs indicate sufficient battery voltage, (3) Connect to the vehicle's OBDII port, and (4) Replace the car battery, ensuring data preservation.

## 5.2. Preserved Settings

The MaxiBAS BTMS helps retain various vehicle settings, including but not limited to:

- Engine Control Module (ECM) adaptive memory settings
- Transmission Control Module (TCM) adaptive memory settings
- Steering Angle Sensor (SAS) calibration
- Radio presets and clock settings
- Power accessory settings (windows, sunroofs, doors)
- Seat memory positions
- Air conditioning settings
- Dashboard information
- ABS system settings



# 16 PIN OBD2 CONNECTOR



Figure 6: Examples of vehicle settings preserved.

This image displays various vehicle systems and settings that are preserved by the memory saver, including SAS System, Air Conditioning, Dashboard Info, Memory Seats, ABS, Electronic Mirror, Radio, and Sunroof, highlighting the comprehensive data retention capability.

## 6. MAINTENANCE

- Clean the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Store the memory saver in a dry, cool place away from direct sunlight and extreme temperatures.
- Regularly inspect the cables and connectors for any signs of damage or wear. Replace the device if any damage is found.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
LEDs do not light green after connecting to backup battery.	Backup battery is discharged or below 10V. Incorrect polarity.	Charge or replace backup battery. Ensure correct positive/negative connections.
Vehicle settings are lost after battery replacement.	Memory saver was not properly connected or backup battery failed.	Verify all connections and backup battery status before starting the procedure.
Device does not fit into OBDII port.	Incorrect orientation or obstruction.	Ensure correct orientation of the connector. Check for obstructions in the port.
Center LED lights red.	Backup battery voltage is too low.	Replace or fully charge the backup battery.
No power to vehicle electronics.	Loose connection or faulty device.	Check all connections. If problem persists, contact support.
Vehicle has starting or drivability issues after battery replacement.	Adaptive memory settings were lost or corrupted.	This indicates the memory saver did not function as intended. Consult a professional mechanic for re-learning or re-coding procedures.
OBDII port pinout information.	User needs to understand the pin functions.	Refer to the detailed pinout diagram provided in the manual.
Product is not working as shown in video.	Possible product defect or user error.	Review instructions carefully. Contact Autel support if issues persist.
No support available.	Difficulty reaching customer service.	Visit the official Autel website for updated support contact information or online resources.
Vehicle 12V ports shut off after 30 minutes.	This device uses the OBDII port, which typically provides continuous power, unlike some cigarette lighter ports.	The Autel MaxiBAS BTMS is designed to avoid this issue by utilizing the OBDII port for continuous power.
Vehicle 12V ports only work if the vehicle is on.	This device uses the OBDII port, which typically provides continuous power, unlike some cigarette lighter ports.	The Autel MaxiBAS BTMS is designed to avoid this issue by utilizing the OBDII port for continuous power.



# SIMPLE OPERATION STEPS

1

**Connect to  
12V Backup Battery**



2

**LEDs Indicates If  
Battery Voltage is  
enough**



3

**Connect to Vehicle  
OBDII Port**



4

**Replace Car  
Battery**



Figure 7: OBDII port connection for troubleshooting.

This image shows the OBDII connector being inserted into the vehicle's port, which is crucial for establishing the power connection and is a key point to check during troubleshooting.

## 8. SPECIFICATIONS

- **Model:** Autel MaxiBAS BTMS
- **Voltage:** 12 Volts
- **Item Weight:** 11.7 ounces
- **Product Dimensions:** 9 x 6 x 3 inches
- **Compatibility:** Universal Fit for most vehicles equipped with an OBDII/EOBD port.
- **Protection:** Polarity & Surge Protection
- **Cable Length:** Approximately 1.8 meters (5.9 ft)
- **UPC:** 792499187590

# AUTEL MAXIBAS BTMS



Figure 8: Autel MaxiBAS BTMS with labeled components.

This image provides a clear visual breakdown of the Autel MaxiBAS BTMS, labeling the 16-pin OBD2 connector, insulation-protected alligator clips, the 1.8M (5.9ft) cable, and the power supply status indicator, corresponding to the product specifications.

## 9. OFFICIAL PRODUCT VIDEOS

### Introduction of Autel Battery Tester Memory Saver (BTMS)

Your browser does not support the video tag.

This video provides a comprehensive introduction to the Autel MaxiBAS BTMS Memory Saver, demonstrating its features and benefits for preserving vehicle electronic settings during battery maintenance.

### Autel OBD2 Battery Test Memory Saver

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This video showcases the Autel OBD2 Battery Test Memory Saver in action, illustrating how it effectively maintains vehicle data and settings during battery replacement procedures.

## 10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Autel website or contact Autel

customer service directly. Keep your purchase receipt for warranty claims.

**Official Website:** [www.autel.com](http://www.autel.com)

Additional protection plans may be available for purchase. Please check with your retailer for details.

## Related Documents - MaxiBAS BTMS

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### [Autel MaxiCOM MK900-BT User Manual](#)

User manual for the Autel MaxiCOM MK900-BT, a professional automotive diagnostic tool. This guide covers device usage, safety information, diagnostics, service functions, data management, settings, and support.