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› MMOBIEL OBD2 V529 Diagnostic Device User Manual

MMOBIEL V529

MMOBIEL OBD2 V529 Diagnostic Device User Manual

Model: V529

1. INTRODUCTION

The MMOBIEL OBD2 V529 Diagnostic Device is a comprehensive tool designed for vehicle diagnostics. It allows users to read and clear diagnostic trouble codes (DTCs), monitor real-time vehicle data, and perform various system tests. This device is compatible with all OBD II/EOBD protocols and supports a wide range of vehicle types. Its user-friendly interface and offline operation make it an accessible tool for vehicle maintenance and troubleshooting.

Comprehensive Code Reading & Clearing



45.900 Fault Codes with Explanation



Freeze Frame Function



Real-time Data Monitoring



Offline Use

Image: The MMOBIEL OBD2 V529 Diagnostic Device displaying its main screen, highlighting features like 45,900 fault codes with explanations, freeze frame function, real-time data monitoring, and offline use.

2. SAFETY INFORMATION

Always observe the following safety precautions when using the MMOBIEL OBD2 V529 Diagnostic Device:

- Ensure the vehicle is in a safe, well-ventilated area.
- Do not wear loose clothing or jewelry that could get caught in moving engine parts.
- Keep a fire extinguisher suitable for gasoline/electrical fires nearby.
- Avoid contact with hot engine components or exhaust system parts.
- Do not connect or disconnect the device while the vehicle's ignition is on, unless specifically instructed by the device or vehicle manufacturer.
- Always refer to your vehicle's service manual for specific diagnostic procedures and safety warnings.

3. SETUP

3.1 Included Components

The package includes:

- MMOBIEL OBD2 V529 Diagnostic Device
- OBD2 Cable (3m)
- Storage Pouch
- User Manual

Set Includes



Image: The MMOBIEL OBD2 V529 Diagnostic Device, a 3m OBDII cable, a storage pouch, and the user manual, illustrating the complete set.

3.2 Connecting the Device

1. Locate the vehicle's 16-pin Data Link Connector (DLC). This is typically found under the dashboard on the driver's side.
2. Ensure the vehicle's ignition is off.
3. Firmly plug the OBD2 cable from the V529 device into the vehicle's DLC.
4. Turn the vehicle's ignition to the ON position (engine off). The device will power on automatically.



Image: The OBD2 cable of the diagnostic device securely plugged into the vehicle's diagnostic port, typically located near the steering column.

3.3 Language Selection

The device supports 12 languages. To select your preferred language:

1. From the main menu, navigate to the 'Settings' option.
2. Select 'Language' and choose from the available options.



Image: The MMOBIEL OBD2 V529 Diagnostic Device screen showing various national flags, indicating support for 12 different languages including English, French, Spanish, German, and Polish.

4. OPERATING INSTRUCTIONS

4.1 Navigation

Use the directional buttons (up, down, left, right) to navigate through menus and options. The 'OK' button confirms selections, and the 'EXIT' button returns to the previous screen or the main menu.



Specialized Automotive Fault Diagnosis

- New: Carbon deposition detection
- Battery health test
- Testing report
- Maintenance assistance
- New: MAF Sensor air flow detection
- New: Fuel quality test
- Performance test
- New: Cloud print upgrade
- Read codes
- Clear codes
- Data flow
- Fault code inquiry
- Freeze frames
- I/M ready status
- Vehicle information
- Mode 6
- Mode 8
- Oxygen sensor detection

Image: The MMOBIEEL OBD2 V529 Diagnostic Device's main menu, showing options like OBD II, Special Test, Test Report, DTC Lib, Battery, and Setting, indicating specialized automotive fault diagnosis capabilities.

4.2 Reading and Clearing Fault Codes

The device provides access to 45,900 fault codes with clear explanations.

- **To Read Codes:** From the main menu, select 'OBD II' and then 'Read Codes'. The device will display current, pending, and permanent diagnostic trouble codes.
- **To Clear Codes:** After addressing the underlying issue, select 'Clear Codes' from the 'OBD II' menu. This will reset the Check Engine Light (MIL).

4.3 Real-time Data Monitoring

View live sensor data from the vehicle's engine control unit (ECU). This includes parameters such as engine RPM, vehicle speed, coolant temperature, fuel system status, and more. This function is crucial for diagnosing intermittent problems.

4.4 Extended Diagnostic Functions

- **Freeze Frame Data:** Captures a snapshot of vehicle operating conditions at the moment a fault code is set. This data can include carbon deposition, fuel quality, MAF air flow, and braking/acceleration parameters.
- **I/M Readiness Status:** Checks if the various emissions-related systems on the vehicle are operating correctly and are ready for an emissions inspection test.
- **O2 Sensor Test:** Retrieves and views O2 sensor monitor test results for the most recently completed tests from the vehicle's onboard computer.
- **EVAP System Test:** Initiates a leak test for the vehicle's Evaporative Emission System.
- **On-Board Monitor Test (Modes 6 & 8):** Retrieves test results for emission-related powertrain components and systems that are not continuously monitored.
- **VIN Retrieval:** Allows for immediate reading of the Vehicle Identification Number (VIN), Calibration ID (CALID), and Calibration Verification Number (CVN).
- **Battery Voltage Monitoring:** Monitors the vehicle's battery voltage to detect potential electrical issues.
- **Performance Tests:** Includes tests for MAF sensor air flow, fuel quality, and carbon deposition detection.
- **Throttle Tests:** Provides insights into throttle behavior.

4.5 Generating Diagnostic Reports

The device can generate diagnostic reports directly. These reports provide a summary of detected fault codes, live data, and test results. The Cloud Printing function allows for exporting fault codes and real-time data for further analysis.

Run Test and Generate Report

This version is precise and uses standard technical terminology (VIN,Data Stream, I/M Readiness).



Image: The MMOBIEL OBD2 V529 Diagnostic Device connected to a smartphone displaying a detailed fault code and data stream report, demonstrating its ability to run tests and generate comprehensive reports.

4.6 Offline Operation and Bluetooth Connectivity

The V529 operates fully offline, requiring no external applications for its core functions. Bluetooth 5.4 auto-connect supports optional wireless data features, enhancing flexibility for certain tasks.

Fully Offline Use



Works fully offline without apps, while Bluetooth 5.4 auto-connect supports optional wireless data features.

Image: The MMOBIEL OBD2 V529 Diagnostic Device, emphasizing its capability to work fully offline without apps, while also supporting optional wireless data features via Bluetooth 5.4 auto-connect.

5. MAINTENANCE

5.1 Cleaning the Device

Wipe the device with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the device is dry before storing.

5.2 Storage

Store the device in its included storage pouch in a cool, dry place, away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

6.1 Device Does Not Power On

- Ensure the OBD2 cable is securely connected to the vehicle's DLC.
- Verify the vehicle's ignition is in the ON position (engine off).
- Check the vehicle's fuse for the OBD2 port (consult your vehicle's manual).

6.2 Communication Error

- Confirm the vehicle is OBD II compliant (most vehicles from 1996 onwards).
- Ensure the ignition is ON.
- Try connecting the device to another OBD II compliant vehicle to rule out device malfunction.

6.3 Bluetooth Connection Issues

- While the device operates offline for core functions, optional wireless features use Bluetooth 5.4.
- If experiencing disconnections, especially with older Android devices, ensure the device's Bluetooth is enabled and try re-pairing.
- Ensure no other Bluetooth devices are interfering.

7. SPECIFICATIONS

Feature	Specification
Brand	MMOBIEL
Model Number	V529
Power Source	Electric cable power supply (via OBD2 port)
Operating System	Windows (for PC software, device operates independently)
Screen Size	2.8 Inches
Automotive Fitment Type	Universal Fit
Included Components	Storage Pouch, User Manual, OBD2 V529 Diagnostic Device
Country of Origin	China

8. WARRANTY

Warranty: Not applicable.

9. SUPPORT

For further assistance or inquiries, please refer to the contact information provided with your purchase or visit the official MMOBIEL website. Ensure you have your device model number (V529) ready when seeking 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