

[Manuals.plus](#) /

› [MICMXMO](#) /

› MICMXMO V520 OBD2 Scanner User Manual

MICMXMO V520 OBD2

MICMXMO V520 OBD2 Scanner User Manual

Professional Mechanic Enhanced Check Engine Code Reader

[Introduction](#)

[Setup](#)

[Operation](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty](#)

[& Support](#)

1. INTRODUCTION

The MICMXMO V520 OBD2 Scanner is a professional diagnostic tool designed to help vehicle owners and mechanics identify and resolve issues related to the engine and emissions system. This device supports all OBD2 protocols and is compatible with most vehicles manufactured after 1996. It offers a wide range of functions including reading and clearing diagnostic trouble codes (DTCs), viewing live data streams, performing O2 sensor tests, and checking battery voltage.



Figure 1: The MICMXMO V520 OBD2 Scanner, a handheld diagnostic tool with a display screen and an OBDII connector cable.

2. SETUP

Before using the V520 OBD2 Scanner, ensure your vehicle's ignition is in the OFF position. Locate the vehicle's 16-pin Data Link Connector (DLC), which is typically found under the dashboard on the driver's side. Once located, firmly plug the scanner's OBDII connector into the vehicle's DLC. Turn the ignition to the ON position (engine off or running, depending on the test). The scanner will automatically power on and establish communication with the vehicle's onboard computer.

Product button introduction



35901 fault code library

Quickly query fault code definitions

P2029	P2A09	P2A0D	P2A0D
B2A29	P2A09	P2A0D	P2A0D
P2A1B	P2A09	C010D	P2A0D
P2029	P2A09	P2A0D	P2A0D
C0029	P2A09	P2A0D	P0A3D
P1029	P2A09	P2A0D	P2A0D
P2029	U2A09	P2A0D	U010D
P2029	P2A09		P2A0D
P2029	P2A09	P2A0D	P2A0D



Figure 2: An image showing the typical location of an OBDII port in a car's interior, with the V520 scanner's cable connected, ready for use.

3. OPERATION

The V520 scanner features an intuitive interface with dedicated buttons for easy navigation and function selection. Use the directional arrows to scroll through menus and the 'OK' button to confirm selections. The 'EXIT' button returns to the previous screen.

3.1 Key Functions Overview

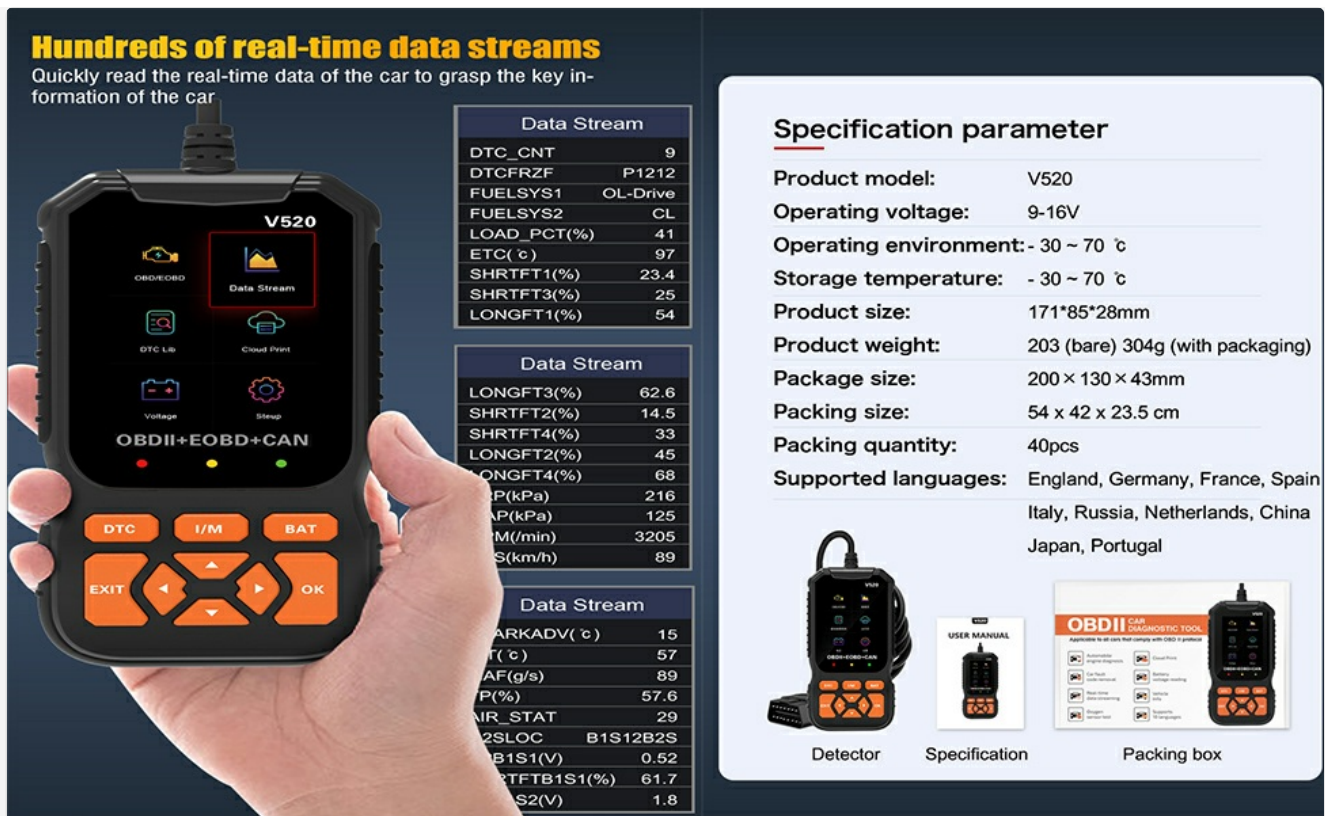


Figure 3: Detailed view of the V520 scanner's buttons (DTC, I/M, BAT, EXIT, OK, navigation arrows) and a sample display of its 35901 fault code library.

- **Read DTC:** Reads current, pending, and permanent Diagnostic Trouble Codes.
- **Clear DTC:** Clears all stored DTCs and turns off the Malfunction Indicator Lamp (MIL).
- **Live Data:** Displays real-time data stream from the vehicle's sensors.
- **I/M Readiness:** Checks the readiness of the emission monitoring systems.
- **Freeze Frame:** Displays a snapshot of vehicle conditions when an emission-related fault occurred.
- **O2 Sensor Test:** Retrieves O2 sensor monitor test results.
- **On-Board Monitor Test:** Retrieves test results for emission-related powertrain components and systems.
- **Component Test:** Allows initiation of a leak test for the vehicle's EVAP system.
- **Vehicle Info:** Retrieves the Vehicle Identification Number (VIN), Calibration ID (CALID), and Calibration Verification Number (CVN).
- **Battery Voltage Test:** Monitors the vehicle's battery voltage.

3.2 Live Data Stream

The Live Data function allows you to view various sensor readings and parameters in real-time, which is crucial for diagnosing intermittent problems or verifying repairs. The data can be displayed numerically or graphically.

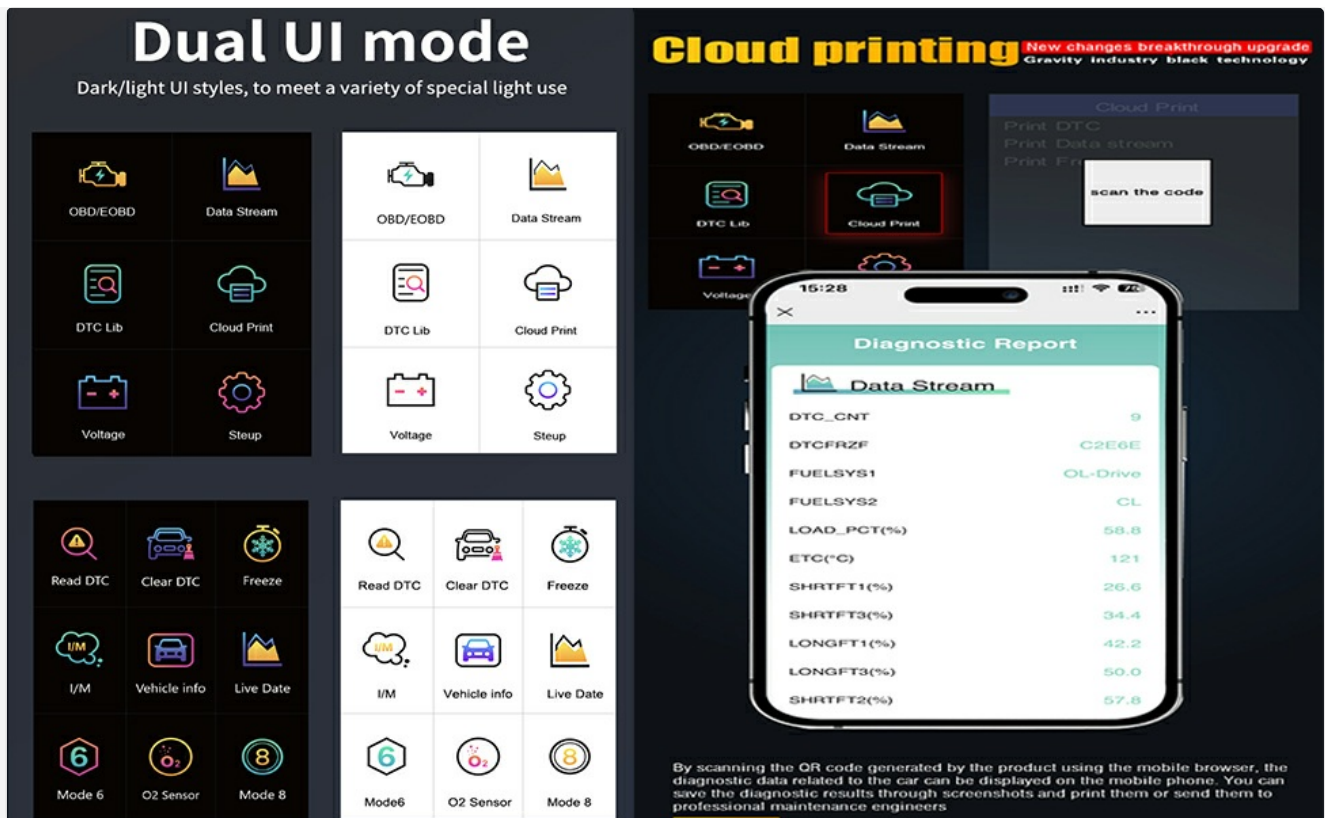


Figure 4: The V520 scanner showing real-time engine data parameters and a table outlining its specifications including product model, operating voltage, temperature ranges, size, weight, and supported languages.

3.3 Dual UI Mode and Cloud Printing

The V520 offers a dual user interface mode, allowing users to switch between dark and light themes for optimal viewing in different lighting conditions. Additionally, the cloud printing feature enables you to generate a QR code from the diagnostic report, which can then be scanned with a mobile device to view and print the report.



Figure 5: Illustrates the dual UI modes (dark/light) of the V520 scanner and its cloud printing functionality, allowing diagnostic reports to be scanned via QR code and viewed on a mobile phone.

4. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the scanner's exterior. Do not use abrasive cleaners or solvents.
- **Storage:** Store the device in a dry, cool place away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid bending or twisting the OBDII cable excessively. Always grasp the connector when plugging or unplugging to prevent damage to the pins.
- **Software Updates:** Check the manufacturer's website periodically for software updates to ensure optimal performance and compatibility with new vehicle models.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Scanner does not power on.	Loose connection; vehicle's DLC has no power; blown fuse in vehicle.	Ensure the OBDII connector is firmly plugged in. Check vehicle's fuse box for blown fuses related to the OBDII port. Test on another vehicle if possible.
Communication error with vehicle.	Incorrect protocol; faulty connection; vehicle not OBD2 compliant.	Verify vehicle is OBD2 compliant (most vehicles after 1996). Ensure ignition is ON. Try reconnecting the scanner.
Cannot clear DTCs.	Ignition not ON; underlying fault still present; vehicle not supported.	Ensure ignition is ON (engine off). Address the underlying fault first. Some vehicles may require specific procedures.
Screen is blank or frozen.	Software glitch; power interruption.	Disconnect the scanner from the vehicle, wait a few seconds, then reconnect. If issue persists, contact support.

6. SPECIFICATIONS

Feature	Detail
Product Model	V520
Operating Voltage	9-16V
Operating Environment	-30 ~ 70 °C (-22 ~ 158 °F)
Storage Temperature	-30 ~ 70 °C (-22 ~ 158 °F)
Product Size	171 x 85 x 28 mm (6.73 x 3.35 x 1.1 inches)
Product Weight	4.2 ounces (approx. 119 grams)
Supported Protocols	KWP2000, J1850 VPW, J1850 PWM, CAN, ISO9141
Supported Languages	English, German, Dutch, Spanish, French, Italian, Portuguese, Russian, Chinese, Japanese
Display	2.8 inch color screen

7. WARRANTY AND SUPPORT

MICMXMO products are designed for reliability and performance. For information regarding warranty coverage, technical support, or service inquiries, please refer to the contact details provided with your product packaging or visit the official MICMXMO website. Please retain your purchase receipt for warranty claims.

© 2024 MICMXMO. All rights reserved.

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