

- › [X MODAXE MODIFY YOUR DRIVE](#) /
- › X MODAXE V519 Advanced OBD2 Diagnostic Scanner User Manual

## X MODAXE MODIFY YOUR DRIVE V519

# X MODAXE V519 Advanced OBD2 Diagnostic Scanner User Manual

Model: V519

## 1. INTRODUCTION

The X MODAXE V519 OBD2 Diagnostic Scanner is a versatile and powerful tool designed for comprehensive vehicle maintenance and diagnostics. This device supports nine OBD II/EOBD standard protocols, ensuring broad compatibility with a wide range of vehicles. It offers quick fault diagnosis, real-time data streaming, and the ability to clear fault codes, empowering users to monitor and maintain their vehicle's health effectively.

The V519 scanner features a 2.8-inch color screen for clear display of information. Its user-friendly interface allows for seamless navigation using directional buttons. Key functions include reading and clearing engine fault codes, viewing live data streams, performing oxygen sensor tests, and checking I/M readiness. The device also supports software upgrades and printing diagnostic information. It offers multi-language support, including English, German, French, Spanish, Italian, Russian, Dutch, Chinese, Japanese, and Portuguese.



*Figure 1: Front view of the X MODAXE V519 OBD2 Diagnostic Scanner, showing its compact design, color display, and control buttons. The OBD-II connector cable is visible on the left.*

## **2. PRODUCT OVERVIEW**

The V519 scanner is equipped with a clear 2.8-inch color screen and intuitive controls for easy operation. Below is an overview of its main components and functions.

# Product key introduction



Figure 2: Diagram illustrating the key components and controls of the V519 scanner, including the 2.8-inch color screen, 16-pin interface, and navigation buttons (up, down, left, right, OK, F1, F2, EXIT).

## Key Features:

- **Read Codes:** Retrieve Diagnostic Trouble Codes (DTCs).
- **Erase Codes:** Clear DTCs from the vehicle's computer.
- **I/M Readiness:** Check emission system status.

- **Data Stream:** View real-time sensor data.
- **Freeze Frame:** View vehicle parameters at the moment a DTC was set.
- **O2 Sensor Test:** Monitor oxygen sensor performance.
- **Vehicle Info:** Display vehicle identification number (VIN) and calibration IDs.
- **Mode 6/8:** Advanced test results for specific monitoring systems.
- **Fault Code Query:** Look up DTC definitions.
- **Playback Function:** Review previously recorded data.
- **Print/Upgrade Function:** Connect to a computer for software updates and printing reports.
- **Multi-language Support:** Supports 10 languages including English, German, French, Spanish, Italian, Russian, Dutch, Chinese, Japanese, and Portuguese.

# V519

## Automotive diagnostic tool

All OBD II compliant models are supported



- Read Codes
- Erase Codes
- View Freeze Frame
- I/M Readiness
- Vehicle info
- Data Stream
- Battery voltage reading
- Mode 6 detection
- Oxygen sensor test
- Mode 8 detection
- Fault code query
- Playback function
- Print/upgrade function
- 35901 fault code library
- 2.8-inch color screen

**10 Language Support:**  
 Britain, Germany, France, Spain and Italy  
 Russia, Netherlands, China, Japan, Portugal

*Figure 3: The V519 automotive diagnostic tool displaying a comprehensive list of its supported functions, including Read Codes, Erase Codes, View Freeze Frame, I/M Readiness, Vehicle Info, Data Stream, Battery Voltage Reading, Mode 6 Detection, Oxygen Sensor Test, Mode 8 Detection, Fault Code Query, Playback Function, Print/Upgrade Function, 35901 Fault Code Library, and 2.8-inch Color Screen.*

### 3. SETUP AND CONNECTION

Follow these steps to connect your V519 scanner to your vehicle:

1. **Locate the OBD-II Port:** The OBD-II port is typically located under the dashboard on the driver's side of the vehicle. Refer to your vehicle's owner's manual if you cannot find it.
2. **Ensure Vehicle is Off:** Make sure the vehicle's ignition is in the OFF position before connecting the scanner.
3. **Connect the Scanner:** Plug the V519 scanner's 16-pin connector firmly into the vehicle's OBD-II port.
4. **Power On Vehicle:** Turn the vehicle's ignition to the "ON" position (engine off). The scanner should power on automatically. If not, check the connection.

### 4. OPERATING INSTRUCTIONS

#### 4.1. Navigation

The V519 scanner features a user-friendly interface with directional buttons and function keys:

- **Up/Down Buttons:** Scroll through menu options or data.
- **Left/Right Buttons:** Navigate between screens or adjust settings.
- **OK Button:** Confirm selections or enter sub-menus.
- **F1/F2 Buttons:** Perform specific functions as indicated on the screen.
- **EXIT Button:** Return to the previous menu or exit a function.

#### 4.2. Diagnostic Functions



Figure 4: A comprehensive overview of the V519 scanner's capabilities, including reading and erasing codes, viewing freeze frames, I/M readiness, data stream, battery voltage reading, oxygen sensor test, fault code query, playback, print/upgrade, and a 35901 fault code library.

From the main menu, select "OBD/EODB" to access the primary diagnostic functions:

- **Read Codes:** Select this option to retrieve current, pending, and permanent Diagnostic Trouble Codes (DTCs) stored in the vehicle's Engine Control Unit (ECU). The scanner will display the code and a brief description.
- **Erase Codes:** After addressing any vehicle issues, select this option to clear the DTCs and turn off the Malfunction Indicator Lamp (MIL). Confirm the action when prompted.

# What's wrong with the car



Up to 35,901 built-in fault codes can diagnose more car faults, avoiding more blind maintenance.



Figure 5: The V519 scanner identifying a fault code (P0231, Fuel Pump Secondary Circuit Low) and presenting the user with a prompt to confirm erasing the trouble codes.

- **Live Data Stream:** View real-time operational parameters of the vehicle, such as engine RPM, vehicle speed, oxygen sensor readings, and coolant temperature. This data can be displayed numerically or graphically.

# MOST ADVANCED FUNCTIONS

You can deserve more functions than other simple code readers



Figure 6: The V519's on-screen interface, showing examples of the Diagnostic Menu (Read Codes, Erase Codes, I/M Readiness, Data Stream, Freeze Frame, O2 Sensor Test) and a Datastream view with graphical items.

- **I/M Readiness:** This function checks the status of the vehicle's emission-related monitoring systems to determine if they are ready for an emissions test.



Figure 7: The V519 performing quick diagnostic retrieval, displaying trouble codes (e.g., P2029) and I/M readiness status for various vehicle systems.

- **O2 Sensor Test:** Allows retrieval and viewing of O2 sensor monitor test results for the most recently completed tests from the vehicle's on-board computer.
- **Mode 6 (On-Board Monitor Test):** Retrieves test results for emission-related powertrain components and systems that are not continuously monitored.
- **Mode 8 (Component Test):** Enables the initiation of a leak test for the evaporative system.

**Omnidirectional detection**

**Mode 6 | Oxygen sensor test | Mode 8**

Sensor value	0/0
Test value	34048



Figure 8: The V519's advanced diagnostic screens, showing data for on-board monitor tests (Mode 6), oxygen sensor values, and component tests (Mode 8).

### 4.3. Software Upgrade and Printing

The V519 scanner supports software upgrades to ensure compatibility with new vehicles and features. Connect the scanner to a computer using a USB cable (if applicable) and visit the manufacturer's website for update instructions and software. Diagnostic reports can also be printed via a connected computer.

## 5. MAINTENANCE

## 5.1. Cleaning

Use a soft, dry cloth to clean the scanner's exterior. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the screen or casing.

## 5.2. Storage

Store the V519 scanner in a cool, dry place away from direct sunlight and extreme temperatures. Keep it in its original packaging or a protective case when not in use to prevent damage.

## 5.3. Software Updates

Regularly check the official X MODAXE website for available software updates. Keeping your scanner's software up-to-date ensures optimal performance and compatibility with the latest vehicle models and diagnostic protocols.

## 6. TROUBLESHOOTING

If you encounter issues with your V519 scanner, refer to the following troubleshooting tips:

- **No Power:**
  - Ensure the scanner is securely connected to the vehicle's OBD-II port.
  - Verify that the vehicle's ignition is in the "ON" position (engine off).
  - Check the vehicle's fuse for the OBD-II port (refer to your vehicle's manual).
- **Link Error / Vehicle Not Supported:**
  - Confirm that your vehicle is OBD-II compliant (generally 1996 and newer for US vehicles, 2001 for petrol and 2004 for diesel vehicles in Europe).
  - Ensure the connection to the OBD-II port is firm and not loose.
  - Try the scanner on another known OBD-II compliant vehicle to determine if the issue is with the scanner or the vehicle.
- **Scanner Freezes:**
  - Disconnect the scanner from the vehicle and reconnect it.
  - If the issue persists, check for available software updates on the manufacturer's website.
- **Codes Cannot Be Cleared:**
  - Ensure the vehicle's ignition is ON and the engine is OFF.
  - Some critical fault codes may not clear until the underlying vehicle issue has been repaired.

## 7. SPECIFICATIONS

Feature	Detail
Manufacturer	MODAXE
Brand	X MODAXE MODIFY YOUR DRIVE
Model	V519
Package Dimensions	20.3 x 13.4 x 4.4 cm

Feature	Detail
Item Weight	330 g
Assembly Required	No
Guaranteed Software Updates Until	Unknown
ASIN	B0CRL6FRDY
First Available Date	January 5, 2024

## 8. WARRANTY AND SUPPORT

The X MODAXE V519 scanner comes with a standard manufacturer's warranty. For specific warranty details, technical support, or to access the latest software updates, please refer to the official X MODAXE website or contact their customer service department directly. Contact information can typically be found on the product packaging or the manufacturer's website.