

manuals.plus /

> [GZCRDZ](#) /

> [GZCRDZ V519 OBD2 Car Code Reader User Manual](#)

GZCRDZ V519

GZCRDZ V519 OBD2 Car Code Reader User Manual

Model: V519

1. INTRODUCTION

Thank you for choosing the GZCRDZ V519 OBD2 Car Code Reader. This multifunctional diagnostic tool is designed to help you efficiently read and clear engine fault codes, monitor vehicle data, and perform various diagnostic tests on your vehicle. This manual provides detailed instructions on how to set up, operate, and maintain your V519 device.

The V519 supports international universal OBD protocols for vehicles manufactured from 2012 onwards. For vehicles older than 2012, please consult customer service for compatibility. This product is not compatible with new energy vehicles, hybrid vehicles, or models that do not comply with the OBD2 protocol.

2. PRODUCT OVERVIEW AND FEATURES

The GZCRDZ V519 is a professional, plug-and-play OBD2 scanner featuring a 2.8-inch color screen (resolution: 240*320) for clear display of diagnostic information. It is powered directly by the vehicle's OBDII data link connector, requiring no external battery or charger.



Figure 2.1: The GZCRDZ V519 OBD2 Car Code Reader, a compact and ergonomic diagnostic tool with a clear color display and intuitive button layout.

Key Features:

- **Multifunctionality:** Read and clear engine fault codes, view I/M readiness status, access vehicle information, display live data streams, read battery voltage, perform Mode 6 and Mode 8 detection,

conduct oxygen sensor tests, query fault codes, utilize playback function, and print diagnostic reports.

- **Extensive DTC Library:** Integrated with 35901 Diagnostic Trouble Codes (DTCs) to assist in diagnosing and resolving vehicle faults.
- **User-Friendly Design:** Features an elegant appearance with a comfortable grip, anti-slip and anti-fall protective cover, and reinforced wiring for stability and durability. Buttons provide accurate feedback.
- **Plug-and-Play Operation:** Simply connect to your vehicle's OBDII port for immediate use.
- **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 2.2: Overview of the V519's main features, including code reading, data stream, DTC library, and various diagnostic functions, displayed on the device screen.



Anti-slip and anti-fall protective cover



The reinforced wire is stable and durable



Press accurately and bounce back clearly



ABS material is cold and temperature resistant

Figure 2.3: Close-up views highlighting the V519's design elements: anti-slip protective cover, reinforced and durable wire, responsive buttons, and robust ABS material construction.



SUPPORT 10 LANGUAGES



Figure 2.4: The V519 supports 10 languages, indicated by flags of various countries, making it accessible to a wide range of users.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all items listed below are present and in good condition:

- 1 x GZCRDZ V519 Fault Detector
- 1 x User Manual

4. SPECIFICATIONS

Specification	Value
Product Model	V519
Operating Voltage	12 - 16V
Operating Environment Temperature	-200C to 650C (-40F to 1490F)
Storage Temperature	-300C to 700C (-220F to 1580F)

Specification	Value
Supported Languages	English, German, French, Spanish, Italian, Russian, Dutch, Chinese, Japanese, Portuguese
Display	2.8-inch Color Screen (240*320 resolution)
Weight	330g
Dimensions	Approx. 20 x 13 x 4.3 cm

5. SETUP AND INSTALLATION

The GZCRDZ V519 is designed for simple plug-and-play operation. Follow these steps to connect the device to your vehicle:

1. Locate the OBDII (On-Board Diagnostics II) port in your vehicle. This port is typically found under the dashboard on the driver's side, but its exact location may vary by vehicle model. Common locations are marked A, B, C, D in Figure 5.1.
2. Ensure your vehicle's ignition is in the OFF position before connecting the scanner.
3. Firmly plug the V519's 16-pin connector into the vehicle's OBDII port.
4. Once connected, turn the vehicle's ignition to the ON position (engine can be off or running, depending on the diagnostic task). The V519 will power on automatically.



Figure 5.1: Common locations for the automotive OBD universal interface (A, B, C, D) within a vehicle's cabin, typically under the dashboard on the driver's side.

6. OPERATING INSTRUCTIONS

After connecting the V519 to your vehicle, the device will power on and display the main menu. Use the navigation buttons to select desired functions.

Product key introduction



Figure 6.1: Diagram illustrating the button layout and functions on the V519 device, including navigation (up, down, left, right, OK), function keys (F1, F2), and EXIT button.

Button Functions:

- **OK Button:** Confirms selection or enters a menu.
- **Up/Down Arrows:** Navigate through menu options or adjust values.
- **Left/Right Arrows:** Navigate horizontally or change digits during input.
- **F1/F2 Buttons:** Function-specific keys, their purpose may change depending on the current screen.
- **EXIT Button:** Returns to the previous screen or exits a function.

LED Indicators:

The V519 features LED indicators to provide quick status feedback:

- **Red Light:** Indicates an error code is present. Read the error code for details.
- **Yellow Light:** Indicates the device is unable to connect to the vehicle's ECU. Check connections.
- **Green Light:** Indicates a successful connection to the vehicle.

Common Operations:

- **Read Codes:** Select 'Read Codes' from the main menu to retrieve Diagnostic Trouble Codes (DTCs) stored in the vehicle's ECU.
- **Erase Codes:** After addressing a fault, select 'Erase Codes' to clear the DTCs and turn off the Check Engine Light (MIL).
- **Data Stream:** View live data parameters from the vehicle's sensors, such as engine RPM, vehicle speed, oxygen sensor readings, etc.
- **I/M Readiness:** Check the status of emission-related monitors to determine if the vehicle is ready for an emissions test.
- **Vehicle Info:** Retrieve vehicle information such as VIN (Vehicle Identification Number), CID (Calibration ID), and CVN (Calibration Verification Number).
- **Battery Voltage:** Monitor the vehicle's battery voltage in real-time.

7. FAULT CODE LIBRARY (DTC LOOKUP)

The V519 has a built-in library of 35901 Diagnostic Trouble Codes (DTCs). This feature allows you to quickly look up the definition of a fault code directly on the device, helping you understand the nature of the problem without needing external resources.

- From the main menu, select 'DTC Lib' or 'Fault Code Query'.
- Enter the specific fault code using the navigation buttons to change digits.
- Press 'OK' to view the detailed description of the code.

FAULT CODE LIBRARY

Quickly query fault code definitions

35901



Figure 7.1: The V519's fault code library interface, showing a list of common DTCs and the input screen for looking up specific codes.

8. SOFTWARE UPDATE AND PRINTING FUNCTION

The V519 supports software updates and allows you to print diagnostic reports by connecting to a computer.

1. Log in to elm327.com (or the official GZCRDZ support website) to download the V519 Product Tool software.
2. After successful download, use a Type-C data cable to connect the V519 device to your computer.
3. Double-click the downloaded 'V519ProductTool' executable file to launch the application.
4. Within the software, select 'Update Firmware' or 'Review Datastream' as required.
5. Follow the on-screen prompts to complete the upgrading process or print your diagnostic reports.



Figure 8.1: Setup for the V519's software update and print function, showing the device connected via USB-C to a laptop, with a printer nearby for report output.

9. TROUBLESHOOTING

If you encounter issues while using your GZCRDZ V519, refer to the following common problems and solutions:

- **Device Does Not Power On:**

- Ensure the V519 is securely plugged into the vehicle's OBDII port.

- Verify the vehicle's ignition is in the ON position.
- Check the vehicle's fuse for the OBDII port (refer to your vehicle's owner's manual).
- **Yellow LED (No Connection):**
 - Confirm the vehicle supports the universal OBDII protocol (vehicles from 2012 onwards are generally compatible).
 - Ensure the vehicle's ignition is ON.
 - Try connecting the device to a different compatible vehicle to rule out a vehicle-specific issue.
 - Inspect the OBDII port and the V519 connector for any damage or debris.
- **Red LED (Error Code Present) but No Codes Displayed:**
 - Ensure you have selected the 'Read Codes' function.
 - Some codes may be pending or historical; check all code types available in the menu.
- **Cannot Clear Codes:**
 - Ensure the underlying fault has been repaired. Codes will reappear if the issue persists.
 - The ignition must be ON, and the engine may need to be off for some vehicles to clear codes.
- **Software Update Fails:**
 - Ensure a stable internet connection.
 - Temporarily disable antivirus software that might interfere with the update process.
 - Use the provided Type-C data cable and ensure it is securely connected.

If problems persist, please contact GZCRDZ customer support for further assistance.

10. SAFETY INFORMATION

Please read and follow these safety precautions to prevent personal injury or damage to the device or vehicle:

- Always operate the vehicle in a well-ventilated area.
- Do not wear loose clothing or jewelry when working on a vehicle.
- Keep the device away from water, oil, and extreme temperatures.
- Do not attempt to disassemble or modify the V519 device. There are no user-serviceable parts inside.
- Be aware of hot engine components and moving parts when working under the hood.
- Always consult your vehicle's service manual for specific diagnostic procedures and safety warnings.
- Do not operate the device while driving.

11. WARRANTY AND SUPPORT

For information regarding warranty coverage and terms, please refer to the warranty card included with your product or visit the official GZCRDZ website. For technical support, troubleshooting assistance, or any other inquiries, please contact GZCRDZ customer service through the contact information provided on their official website or the product packaging.

