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## Outzone V519

# Outzone V519 OBD2 Scanner User Manual

Model: V519 | Brand: Outzone

## INTRODUCTION

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The Outzone V519 OBD2 Scanner is a comprehensive automotive diagnostic tool designed to help users quickly identify and resolve vehicle issues. It features a color screen, supports multiple languages, and is compatible with all OBDII compliant models. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting.

## WHAT'S IN THE BOX

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- Outzone V519 OBD2 Scanner Unit
- User Manual
- Packing Box

## PRODUCT OVERVIEW

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Figure 1: Front view of the Outzone V519 OBD2 Scanner, showing its color screen and control buttons.

# AUTOMOTIVE OBD UNIVERSAL INTERFACE

Plug in the car and start the engine to use the product



Figure 2: Key components 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).

The V519 scanner features a 2.8-inch color screen for clear display of diagnostic information. It includes a 16-pin OBDII interface for connecting to the vehicle's diagnostic port. Navigation is managed via directional buttons (up, down, left, right, OK) and function keys (F1, F2, EXIT).

## SETUP AND CONNECTION

- 1. Locate the OBDII Port:** The OBDII 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 locate it.
- 2. Connect the Scanner:** Plug the 16-pin connector of the V519 scanner into the vehicle's OBDII port. Ensure a secure connection.
- 3. Power On:** Turn the vehicle's ignition to the "ON" position (do not start the engine unless instructed by a specific diagnostic procedure). The scanner will power on automatically.
- 4. Language Selection:** Upon first use, you may be prompted to select your preferred language. The device supports English, German, French, Spanish, Italian, Russian, Dutch, Chinese, Japanese, and Portuguese.

The Outzone V519 offers a range of diagnostic functions accessible through its intuitive menu system.

## CAR INFORMATION IS IN HAND

Plug and play fast read

### Freeze

View Freeze Frame	1/2
DTCFRZE	P0103
FUELSYS1	90.0
FUELSYS2	-40
LOAD_PCT(%)	0
ETC( °C)	3000
SHRTFT1(%)	0

### IM

Since DTCs Cleared	
MIL Status	OFF
Misfire Monitor	OK
Fuel System Mon	OK
Comp Component	OK
Catalyst Mon	OK
Htd Catalyst	OK

### Vehicle Info

Vehicle Info	1/3
Vehicle ID Number	
Calibration ID	
Cal. Verif. Number	

### Voltage

Voltage

11.8V





Figure 3: Overview of the V519's main diagnostic capabilities.

## Key Functions:

- **Read Codes:** Quickly read current, pending, and permanent diagnostic trouble codes (DTCs) from the vehicle's engine control unit (ECU).
- **Erase Codes:** Clear the engine fault light and stored DTCs after repairs have been made. *Note: Clearing codes does not fix the underlying problem.*
- **View Freeze Frame:** Access a snapshot of vehicle operating conditions at the moment a fault code was set. This data can help diagnose intermittent problems.
- **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 identification number (VIN), calibration ID, and calibration verification number (CVN).
- **Data Stream:** View real-time live data parameters from the vehicle's sensors and components. This includes values like engine RPM, vehicle speed, oxygen sensor readings, and more.
- **Battery Voltage Reading:** Monitor the vehicle's battery voltage.
- **Mode 6 Detection:** Access results of on-board diagnostic monitoring tests for specific components/systems that are not continuously monitored.
- **Oxygen Sensor Test:** Retrieve O2 sensor monitor test results.
- **Mode 8 Detection:** Perform control of on-board system, test, or component.
- **Fault Code Query:** Utilize the built-in 35,901 fault code library to quickly look up definitions of DTCs.
- **Playback Function:** Review previously recorded diagnostic data.
- **Print/Upgrade Function:** Connect to a computer for printing diagnostic reports or upgrading the scanner's firmware.

## Navigating Menus:

Use the **UP** and **DOWN** arrow buttons to scroll through menu options. Press the **OK** button to confirm a selection. Use the **LEFT** and **RIGHT** arrow buttons for specific data adjustments or navigation within sub-menus. The **EXIT** button returns to the previous screen or the main menu.

# FAULT CODE LIBRARY

Quickly query fault code definitions

# 35901



Figure 4: Example screens showing Freeze Frame data, I/M Readiness status, Vehicle Information, and Battery Voltage readings.

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 5: Example of real-time data stream display, showing various engine parameters.

# Product key introduction



Figure 6: The fault code library interface, allowing quick lookup of DTC definitions.

## MAINTENANCE

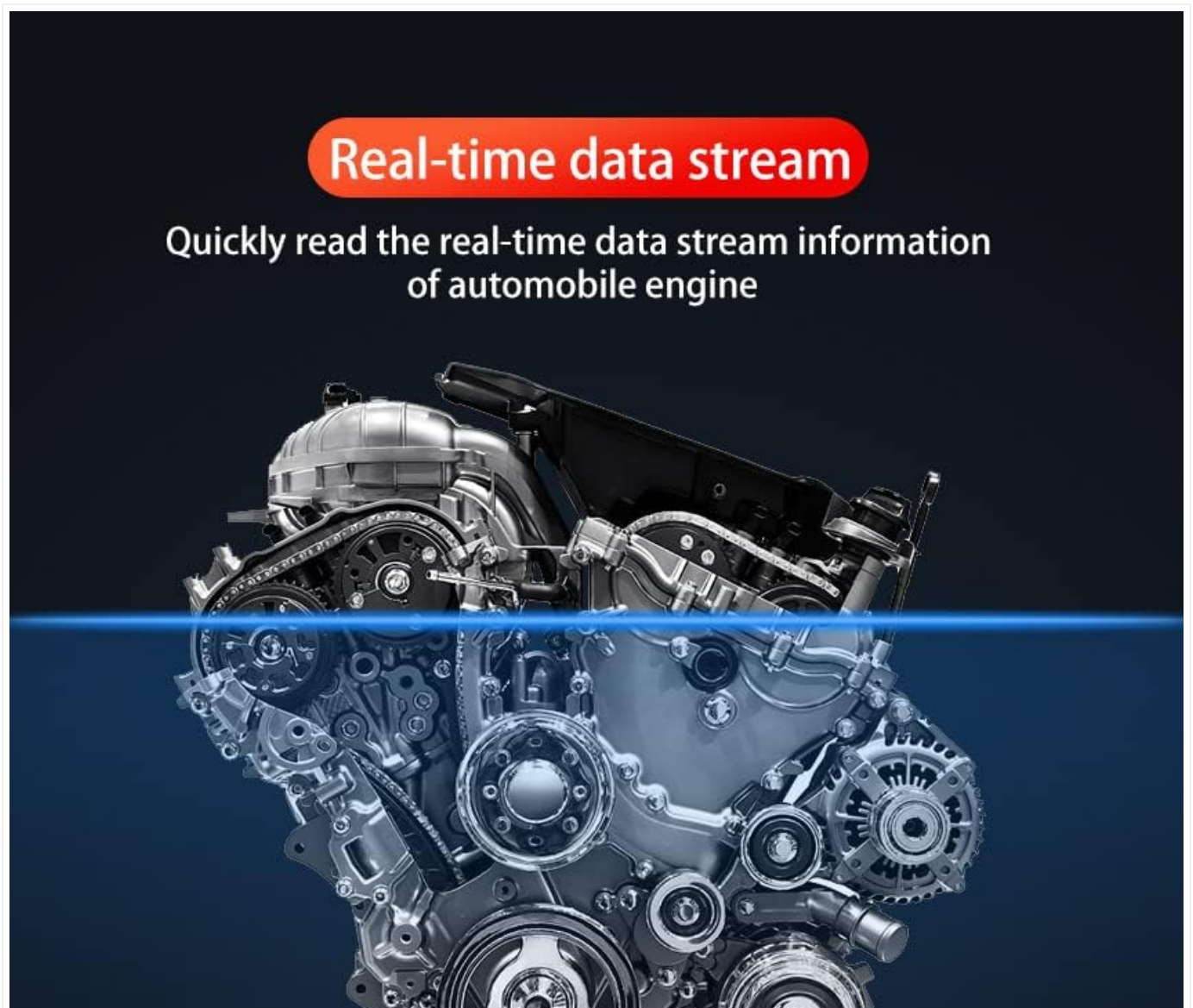
- **Cleaning:** Wipe the scanner with a soft, dry cloth. Do not use abrasive cleaners or solvents.


- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Firmware Updates:** Periodically check the manufacturer's website for firmware updates to ensure optimal performance and compatibility with new vehicle models.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Scanner does not power on.	Loose connection; vehicle ignition off; vehicle battery low.	Ensure the OBDII connector is securely plugged in. Turn vehicle ignition to "ON". Check vehicle battery voltage.
"Link Error" or "Communication Error" message.	Incorrect protocol; faulty connection; vehicle not OBDII compliant.	Verify the vehicle is OBDII compliant (most vehicles 1996 and newer). Check the connection. Try on another OBDII compliant vehicle.
Cannot clear fault codes.	Underlying fault still present; ignition not in "ON" position.	Ensure the underlying issue causing the code has been resolved. Turn ignition to "ON" (engine off).

## SPECIFICATIONS





Data Stream	1/117	Data Stream	7/117
DTC_CNT	1	SHRTFT1(%)	41.4
DTCFRZF	P00012	SHRTFT3(%)	-100.0
FUELSYS1	CL	LONFTT1(%)	-100.0
FUELSYS2	CL	LONGFT3(%)	0.0
LOAD_PCT(%)	68.2	SHRTFT2(%)	0.0
ETC( °c )	-50	SHRTFT4(%)	98.4

Data Stream	13/117	Data Stream	19/117
LONGFT2(%)	98.4	SPARKADV( ° )	0
LONGFT4(%)	76.6	IAT ( °c )	214
FRP (kPa)	678	MAF(g/s)	581.40
MAP (kPa)	254.0	TP (%)	99.6
RPM (/min)	3455	AIR_STAT	Upstream
VSS (km/h)	0	O2B1S1 (V)	0.640

Figure 7: Detailed specification parameters for the V519 OBD2 Scanner.

Parameter	Value
Product Model	V519
Operating Voltage	12-16V
Operating Environment	-20~65 °C (-4~149 °F)
Storage Temperature	-30~70 °C (-22~158 °F)
Product Size	155 x 87 x 24 mm (6.1 x 3.4 x 0.9 inches)
Product Weight (bare machine)	246g (0.54 lbs)
Product Weight (with packaging)	323g (0.71 lbs)
Supported Languages	English, German, French, Spanish, Italian, Russian, Dutch, Chinese, Japanese, Portuguese

Parameter	Value
Display Resolution	320x240
Fault Code Database	35,901 codes

## WARRANTY AND SUPPORT

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The Outzone V519 OBD2 Scanner comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product functions as described.

For technical support, troubleshooting assistance, or warranty claims, please contact Outzone customer service. When contacting support, please have your order number ready to facilitate a quicker resolution.

You can visit the official Outzone store on Amazon for more information and support resources: [Outzone US Store](#)