

LJPXHHU V519

OBD2 Scanner Diagnostic Tool V519 & Bluetooth Adapter

INSTRUCTION MANUAL

Model: V519

1. Introduction

This manual provides comprehensive instructions for the operation and maintenance of your LJPXHHU OBD2 Scanner Diagnostic Tool V519 and accompanying Bluetooth OBD2 Adapter. This diagnostic system is designed to assist in identifying and resolving issues in OBDII compliant vehicles manufactured from 1996 onwards. It supports a wide range of vehicles including BMW, AUDI, VW, GM, Chrysler, Ford, Honda, Toyota, Mazda, Nissan, and more.

Please read this manual thoroughly before using the device to ensure proper operation and to maximize its diagnostic capabilities. Keep this manual for future reference.

2. Safety Information

Always observe the following safety precautions to prevent personal injury or damage to the vehicle or the diagnostic tool:

- Perform automotive tests in a safe environment.
- Wear eye protection that meets ANSI standards.
- Keep clothing, hair, hands, tools, test equipment, etc., away from all moving or hot engine parts.
- Operate the vehicle in a well-ventilated work area; exhaust gases are poisonous.
- Put blocks in front of the drive wheels and never leave the vehicle unattended while running tests.
- Be extremely cautious when working around the ignition coil, distributor cap, ignition wires, and spark plugs. These components create hazardous voltages when the engine is running.
- Ensure the vehicle is in PARK (automatic transmission) or NEUTRAL (manual transmission) and the parking brake is engaged.
- Do not connect or disconnect any test equipment while the ignition is on or the engine is running.
- This device is designed for 12V vehicle systems. Do not use on 24V diesel vehicles, new energy vehicles, or hybrid vehicles that do not meet the OBDII agreement.

3. Package Contents

Your package should contain the following items:

- LJPXHHU OBD2 Scanner Diagnostic Tool V519
- LJPXHHU Bluetooth OBD2 Adapter
- USB Cable (for software updates and data printing)
- User Manual (this document)



Figure 3.1: Contents of the package, showing the V519 scanner and the Bluetooth adapter.

4. Product Overview

4.1. OBD2 Scanner Diagnostic Tool V519

The V519 scanner is a handheld device with a 2.8-inch color screen and an intuitive user interface. It features dedicated buttons for navigation and function selection.



Figure 4.1: Front view of the V519 OBD2 Scanner, highlighting its display and control buttons.

Key features include:

- **Full OBDII Modes:** Supports all 9 OBDII test modes.
- **Live Data Stream:** Displays real-time sensor data with graphing capabilities.
- **Battery Voltage Test:** Monitors vehicle battery voltage.
- **Faster Processing Chip:** Ensures quick diagnostics.
- **35,901 DTC Library:** Built-in comprehensive Diagnostic Trouble Code database.
- **One-Click Car Status Retrieval:** Quick access to trouble codes and I/M readiness.

4.2. Bluetooth OBD2 Adapter

The Bluetooth adapter is a compact device that plugs directly into your vehicle's OBDII port, allowing wireless communication with your smartphone (iOS/Android) or Windows device via a dedicated application.



Figure 4.2: The Bluetooth OBD2 Adapter, designed for wireless connectivity.

Key features include:

- **Wireless Connectivity:** Connects to your mobile device or PC via Bluetooth.
- **App Compatibility:** Works with various third-party and exclusive applications for comprehensive diagnostics.
- **Real-time Data:** Accesses engine RPM, coolant temperature, fuel system status, vehicle speed, and more.

5. Setup

5.1. Connecting the V519 Scanner to Your Vehicle

1. Locate the vehicle's 16-pin Data Link Connector (DLC). This is usually located under the dashboard on the driver's side.
2. Turn the vehicle's ignition to the "ON" position (engine off).
3. Plug the V519 scanner's OBDII cable directly into the vehicle's DLC. Ensure a secure connection.
4. The scanner will automatically power on and initiate communication with the vehicle's onboard computer.

5.2. Setting up the Bluetooth OBD2 Adapter

1. Locate the vehicle's 16-pin Data Link Connector (DLC).
2. Turn the vehicle's ignition to the "ON" position (engine off).

3. Plug the Bluetooth OBD2 adapter into the vehicle's DLC. The adapter's indicator lights should illuminate.
4. **Download the App:** On your smartphone (iOS/Android) or Windows device, download a compatible OBD2 diagnostic application. Refer to Figure 5.1 for examples of compatible apps.
5. **Pairing:**
 - Enable Bluetooth on your device.
 - Search for available Bluetooth devices and select the OBD2 adapter (its name may vary, e.g., "OBDII", "V-LINK").
 - Enter the pairing code if prompted (common codes are "0000" or "1234").
6. Open the downloaded OBD2 app and connect to the paired Bluetooth adapter within the app's settings.

Various Free & Paid Apps

Download Apps from Website or the Following


ANDROID


ANDROID


iOS





- For Mac: EOBD Facile
- For Symbian: OBDScope
- For Windows: PCMSCAN, SCANMASTER-ELM, etc.
- For iOS: Car Scanner, Mini OBD II, Auto Doctor, DashCommand, inCarDoc, OBD Fusion, etc.
- For Android: Torque, DashCommand, Car Scanner, Mini OBD II, TPMS, etc.



Figure 5.1: Examples of compatible applications for the Bluetooth OBD2 Adapter on Android, iOS, and Windows platforms.

6. Operating Instructions

This section details the primary functions of the V519 OBD2 Scanner. The Bluetooth adapter's operation will depend on

the specific app used, but generally mirrors these functions.

6.1. Reading and Clearing Diagnostic Trouble Codes (DTCs)

- 1. From the main menu, select "OBD/EOBD" or "Read Codes".
- 2. The scanner will communicate with the vehicle and display any stored or pending DTCs.
- 3. To clear codes, navigate to "Clear Codes" from the main menu or within the "Read Codes" section. Confirm the action when prompted. Clearing codes will turn off the Check Engine Light (MIL).



Figure 6.1: Example screen showing trouble codes and I/M readiness status on the V519 scanner.

6.2. Viewing Live Data Stream

This function allows you to view real-time operational data from the vehicle's sensors.

- 1. Select "Data Stream" from the main menu.
- 2. Choose the parameters you wish to monitor (e.g., Engine RPM, Vehicle Speed, Coolant Temperature, Oxygen Sensor Voltage).

3. The data will be displayed numerically or graphically.

6.3. I/M Readiness Status

Checks the readiness of the emission-related monitoring systems to determine if the vehicle is ready for an emissions test.

1. Select "I/M Readiness" from the main menu.
2. The scanner will display the status of various monitors (e.g., Misfire Monitor, Fuel System Monitor, O2 Sensor Monitor) as "OK" or "INC" (Incomplete).

6.4. Freeze Frame Data

When an emission-related fault occurs, the ECU records certain vehicle parameters at the time of the fault. This data is called Freeze Frame Data.

1. Select "Freeze Frame" from the main menu.
2. Review the recorded data to understand the conditions under which the fault occurred.

6.5. Battery Voltage Test

Monitors the vehicle's battery voltage in real-time.

1. Select "Voltage" or "Battery Test" from the main menu.
2. The current battery voltage will be displayed.

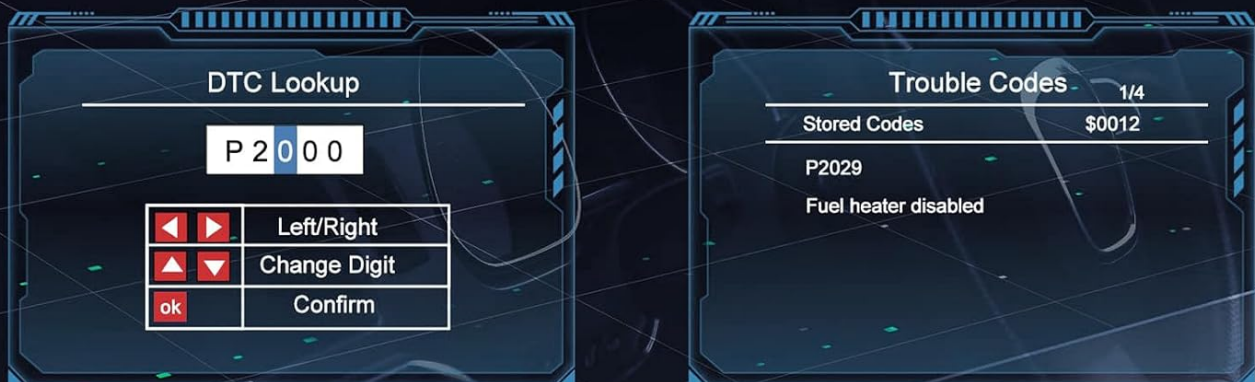
6.6. DTC Lookup

Allows you to manually enter a DTC and view its definition from the built-in library.

1. Select "DTC Lib" or "DTC Lookup" from the main menu.
2. Use the navigation buttons to input the DTC.
3. The scanner will display the definition of the code.

Newly Upgraded DTC Library

Up to 35,901 built-in fault codes can diagnose car faults more comprehensively



SCANNING...



Figure 6.2: The DTC Lookup feature, allowing users to search for code definitions.

6.7. Playback Function

Allows review of previously recorded diagnostic data.

1. Select "Review" or "Playback" from the main menu.
2. Choose the recorded data set you wish to review.

6.8. Software Upgrade and Print Data

The V519 scanner supports software upgrades via a computer and allows printing of diagnostic data.

1. Connect the scanner to your computer using the provided USB cable.
2. Visit the manufacturer's website (details typically found on the product packaging or support section) to download the upgrade tool and drivers.
3. Follow the on-screen instructions of the upgrade tool for software updates or to print diagnostic reports.

7. Maintenance

- **Cleaning:** Use a soft, damp cloth with mild detergent to clean the exterior of the scanner. Do not use abrasive cleaners or solvents.
- **Storage:** Store the device in a clean, dry environment away from extreme temperatures, direct sunlight, and excessive dust.
- **Software Updates:** Regularly check the manufacturer's website for software updates to ensure optimal performance and compatibility with newer vehicle models.
- **Cable Care:** Inspect the OBDII cable and USB cable periodically for any signs of damage. Replace if necessary.

8. Troubleshooting

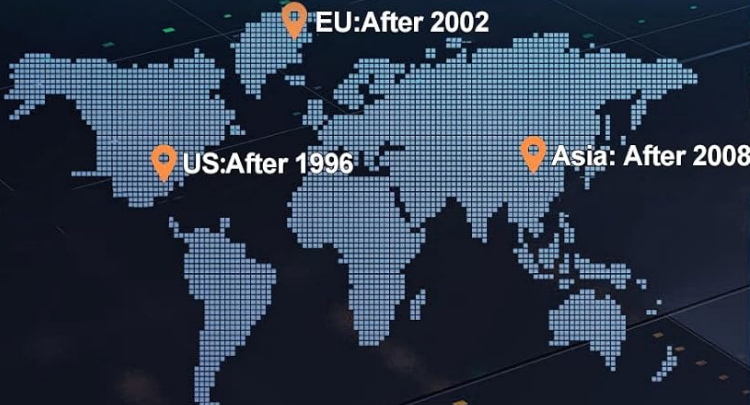
Problem	Possible Cause	Solution
Scanner does not power on.	Loose connection; vehicle ignition off; vehicle not OBDII compliant; blown fuse in vehicle's OBDII port.	Ensure cable is securely connected. Turn ignition to "ON". Verify vehicle is OBDII compliant (1996+). Check vehicle's fuse box for blown fuses related to the OBDII port.
Link Error / Communication Error.	Faulty connection; vehicle's ECU not responding; incorrect protocol.	Check cable connection. Turn ignition off, then on again. Try on another OBDII compliant vehicle. Ensure vehicle battery is adequately charged.
Bluetooth adapter not pairing.	Bluetooth not enabled on device; incorrect pairing code; adapter not powered.	Ensure Bluetooth is enabled. Re-enter pairing code (0000 or 1234). Check adapter's indicator lights to confirm power. Restart device and adapter.
Cannot clear codes.	Ignition not "ON"; underlying fault still present; vehicle not supported.	Ensure ignition is "ON" (engine off). Address the underlying issue causing the DTC before attempting to clear. Some specific vehicle models may have limitations.

9. Specifications

- **Model:** V519
- **Display:** 2.8-inch Color Screen
- **Operating Voltage:** 9-16V (from vehicle OBDII port)
- **Supported Protocols:** J1850 PWM, J1850 VPW, ISO9141-2, ISO14230-4 KWP, ISO15765-4 (Can-BUS) - all 9 OBDII protocols.
- **Compatibility:** Most 1996 and newer OBDII compliant vehicles (gas, diesel). Not compatible with 24V diesel, new energy, or hybrid vehicles not meeting OBDII.
- **DTC Library:** Built-in 35,901 DTCs
- **Operating System (for Bluetooth adapter apps):** iOS, Android, Windows
- **Connectivity:** Wired (V519), Bluetooth (Adapter)
- **Country of Origin:** China

GLOBAL VEHICLE COVERAGE

Works on almost all cars from 1996 & newer vehicles

OBD2 Protocol Support

- (1)SAE J1850 PWM (41.6Kbaud)
- (2)SAE J1850 VPW(10.4Kbaud)
- (3)ISO9141-2(5 baud init, 10.4kbaud)
- (4)ISO14230-4 KWP (5 baud init, 10.4 Kbaud)
- (5)ISO14230-4 KWP(fast init, 10.4 kbaud)
- (6)ISO15765-4 CAN (11bit ID, 500 Kbaud)
- (7)ISO15765-4 CAN (29bit ID, 500 Kbaud)
- (8)ISO15765-4 CAN (11bit ID, 250 Kbaud)
- (9)ISO15765-4 CAN (29bit ID, 250 Kbaud)

10 Languages Available



English German French Dutch Italian Spanish Russian Chinese Japanese Portuguese

Figure 9.1: Illustration of global vehicle coverage and supported languages for the diagnostic tool.

10. Warranty and Support

For warranty information, technical support, or service inquiries, please contact the seller or manufacturer directly. Refer to your purchase documentation or the product packaging for specific contact details.

The product is sold by "LJPXHHU US" and fulfilled by Amazon. For return policy details, please refer to Amazon's standard return policy, which typically allows returns within 30 days of purchase.

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