EN: AUTOFAULT – USER MANUAL

PRODUCT INTRODUCTION

The **V529** is a multi-functional vehicle diagnostic tool that supports **nine OBD-II / EOBD standard protocols**. The device features plug-and-play operation and can quickly read vehicle fault codes and operating parameters. It provides comprehensive diagnostic functions for detecting and analyzing engine faults.

This diagnostic tool is compatible with most **OBD-II / EOBD compliant vehicles**.

Please read this user manual carefully before using the product.

BASIC SAFETY NOTES

- Do not use abrasive cleaners to clean the product.
- Do not expose the product to high temperatures or place it near open flames.
- Do not expose the product to direct sunlight for extended periods.
- Do not attempt to disassemble or modify this product. The device contains no user-serviceable parts.
- Do not use the product in rain or wet environments.
- If the product will not be used for a long period, store it in a dry place away from extreme temperatures and dust.
- Do not connect or disconnect the device while the vehicle ignition is on.
- When operating the device with the engine running, ensure the vehicle is in a well-ventilated area.

PRODUCT PARAMETERS

Working Voltage: DC 9–16 V
Operating Current: 48–72 mA
Operating Temperature: -20 °C to 65 °C
Storage Temperature: -30 °C to 70 °C
Dimensions: 155 × 87 × 24 mm

Package Contents

Main unit (1×)
Accessories (1× set)
User manual (1×)

MAIN FUNCTIONS

1. Supports nine **OBD-II / EOBD communication protocols**
2. Reads vehicle **engine fault codes (DTCs)**
3. Clears engine fault codes
4. Displays **freeze frame data**
5. Displays **I/M readiness status**

6. Displays vehicle information (VIN and system data)
7. Displays **live data stream**
8. Reads vehicle battery voltage
9. Mode 6 on-board monitoring test
10. Oxygen sensor test
11. Mode 8 component test
12. Fault code database query
13. Diagnostic data playback
14. Supports ten languages: English, German, French, Spanish, Italian, Russian, Dutch, Chinese, Japanese, and Portuguese

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PRODUCT AND CONTROLS OVERVIEW

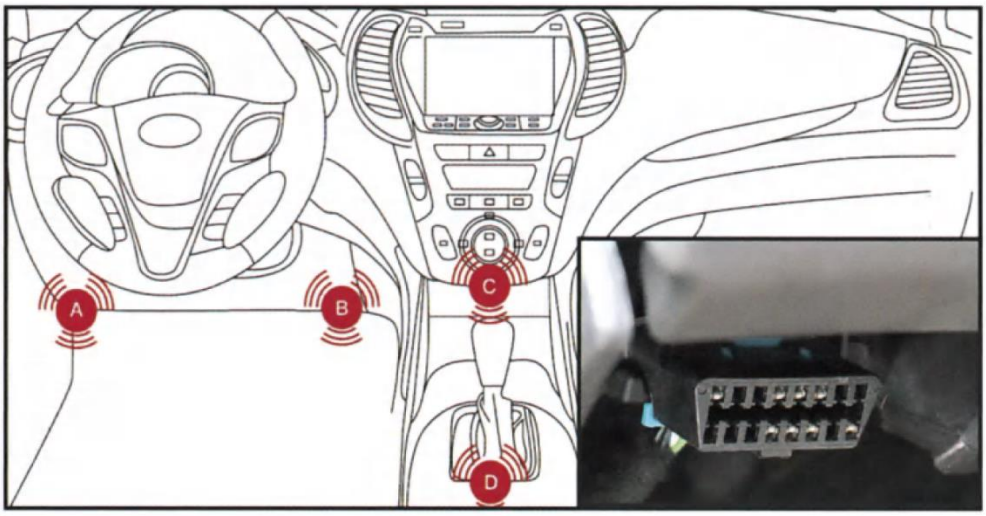
1. Connection cable – used to connect the device to the vehicle OBD interface
2. 2.8-inch color display (resolution: 240 × 320)
3. Battery voltage display
4. I/M readiness status indicator
5. Back / Exit button
6. Up button
7. Left button
8. Right button
9. Down button
10. Confirm / OK button
11. Fault code reading indicator
12. Connection failure indicator
13. Successful connection indicator

VEHICLE INSPECTION

Locate the vehicle's **OBD diagnostic port**. The location of the OBD port varies depending on the vehicle model. It is typically located **under the dashboard on the driver's side**, near the accelerator pedal or behind the lower dashboard panel.

Connect the diagnostic tool to the OBD port.

Turn the **vehicle ignition ON**, or start the engine if required.

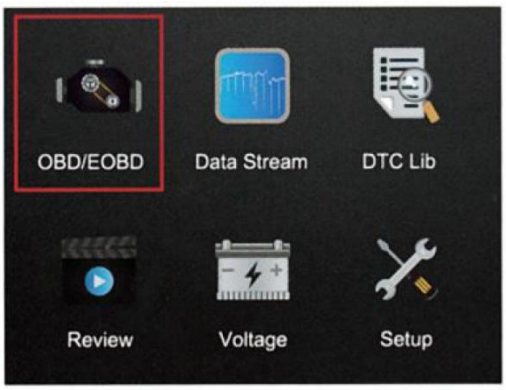


PRODUCT INTERFACE

Main Diagnostic Menu

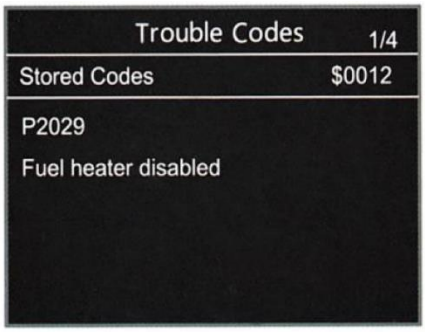
After connecting the device to the vehicle, the main interface will appear. Select the **"Diagnosis"** menu and press the **OK** button to enter the diagnostic function page.

This menu contains **nine diagnostic functions**. Use the direction buttons to navigate and select the desired option.



Code Reading

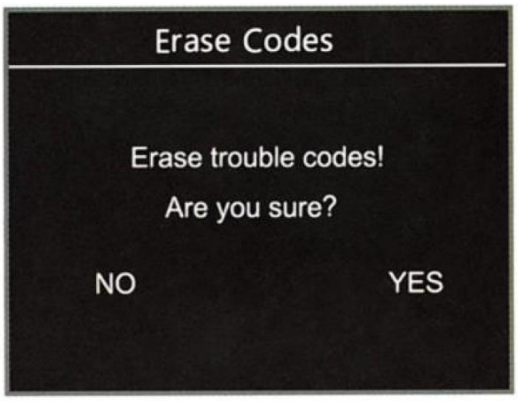
- Select the **Code Reading** function to scan the vehicle's engine system.
- If a fault is detected, the device will display the **diagnostic trouble code (DTC)** and its description.
- If multiple fault codes are present, use the **direction buttons** to scroll through the pages.
- Press **OK/EXIT** to return to the previous menu.



Clear Code

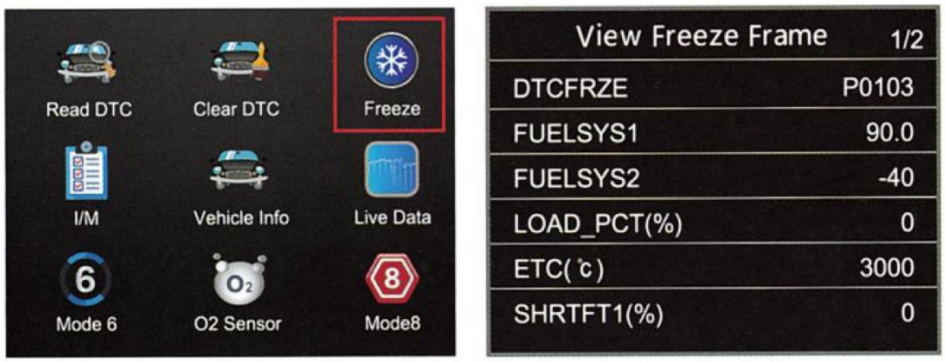
- Select **Clear Code** to erase stored fault codes.
- A confirmation message will appear before clearing the codes.
- After confirmation, the **engine warning light (MIL)** will turn off and the fault codes will be cleared.
- If clearing fails, turn off the engine and try again.

Note: Clearing fault codes may also erase stored diagnostic data.



Freeze Frame Data

Freeze frame data is a snapshot of vehicle operating parameters automatically recorded by the vehicle's ECU when an emission-related fault occurs. This information helps determine the cause of the fault.



I/M Readiness Status

The **I/M readiness function (Inspection / Maintenance readiness)** checks whether the vehicle's emission monitoring systems have completed their self-diagnostic tests.

Status indicators:

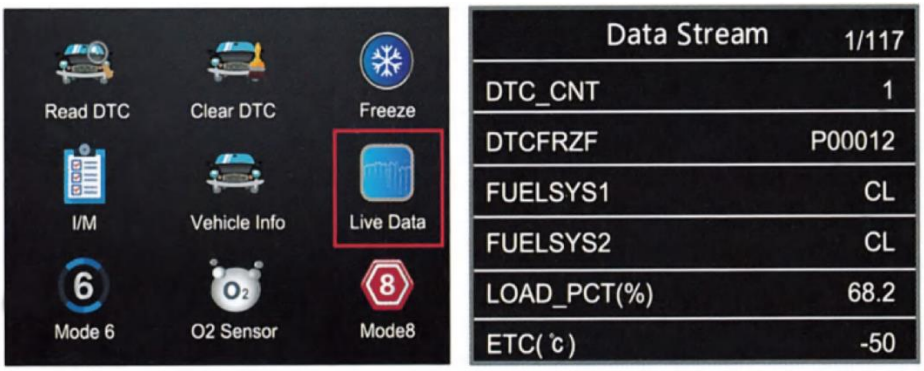
- **OK** – Monitoring test completed successfully
- **INC** – Monitoring test not completed
- **N/A** – Vehicle does not support this monitoring function

Vehicle Information

This function displays vehicle information such as the **Vehicle Identification Number (VIN)** and other ECU data.

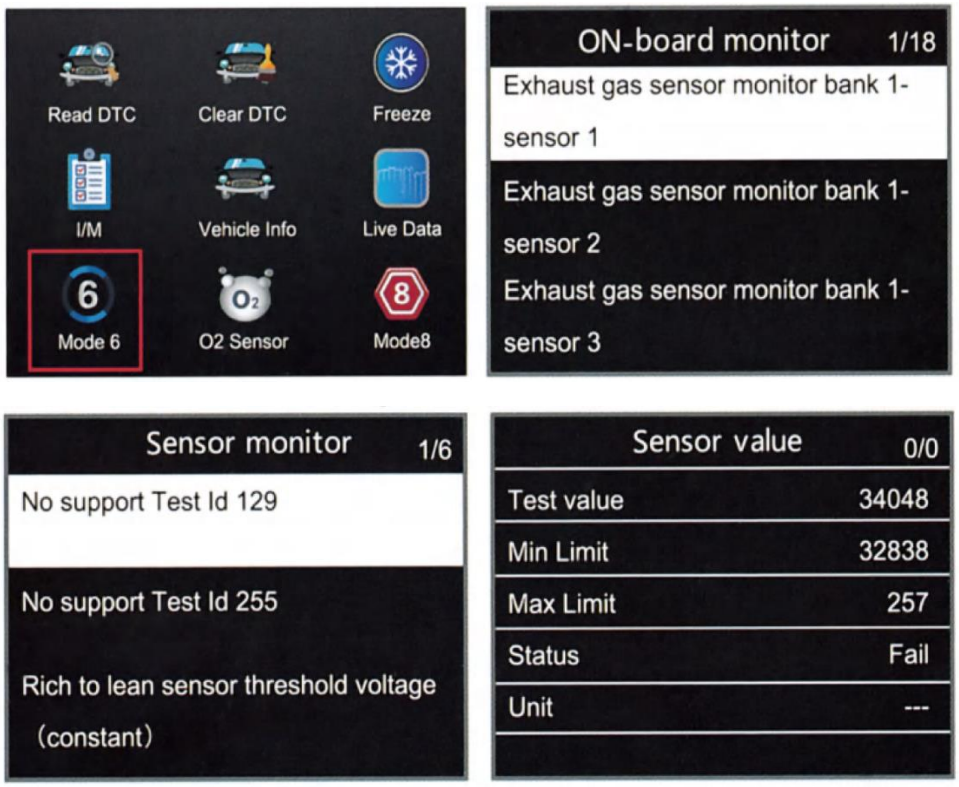
Data Stream

The **Data Stream** function displays **real-time operating data** from the vehicle engine and sensors.



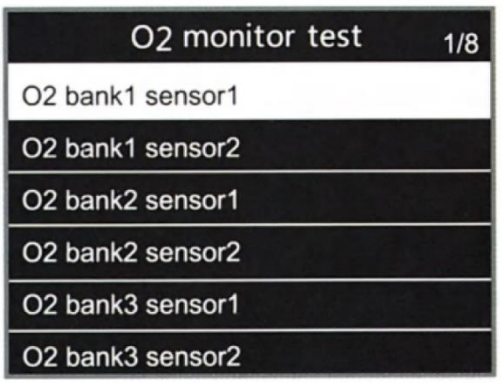
Mode 6

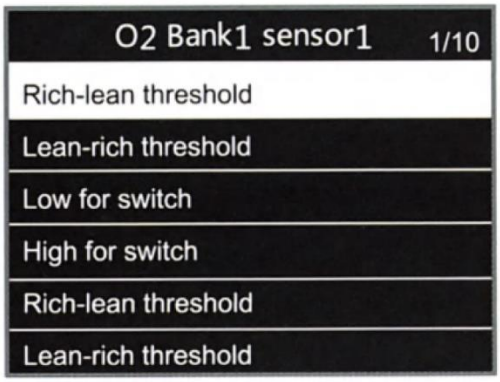
Select **Mode 6** to view **on-board monitoring test results** for specific sensors and system components.

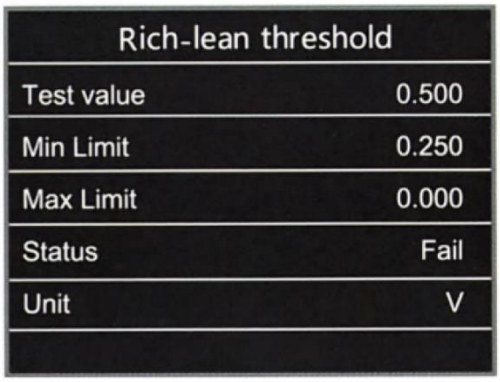


Oxygen Sensor Test

This function reads **oxygen sensor data** to determine whether the sensor is operating normally.

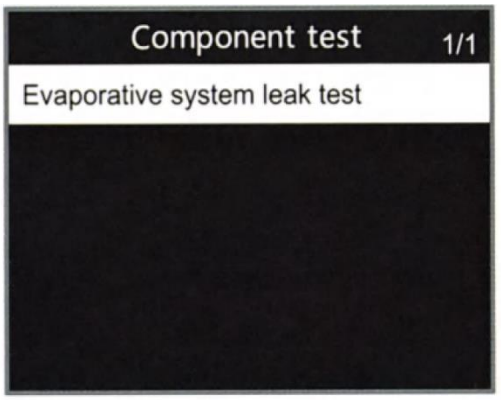






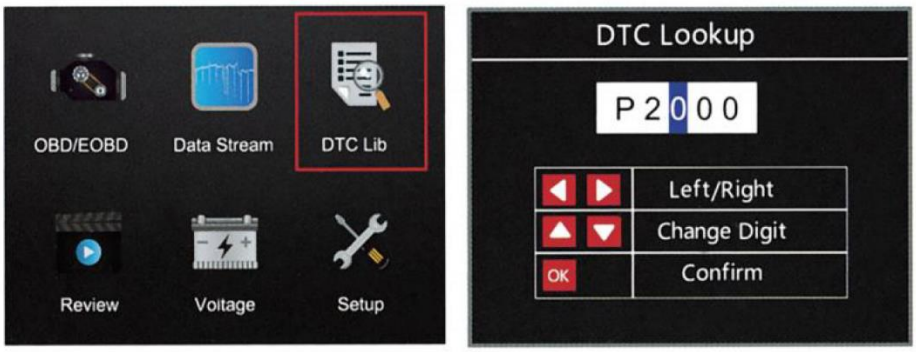
Mode 8

Mode 8 allows testing of **specific components and actuators** supported by the vehicle system.



Fault Code Query

Select **Fault Code Query** to search the internal fault code database. Use the direction buttons to select the desired code and press **OK** to display the fault description.

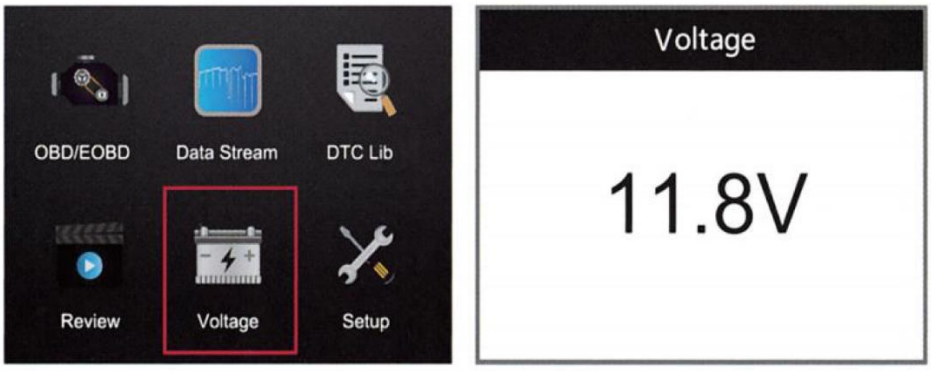


Playback

The **Playback** function allows you to review previously recorded **fault code data and data stream records**.

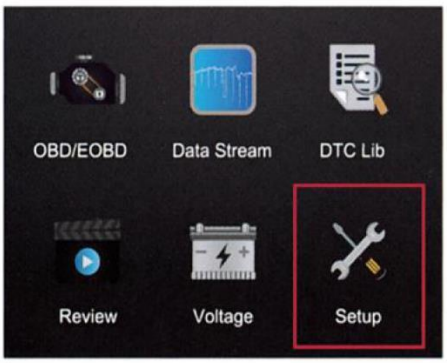
Voltage

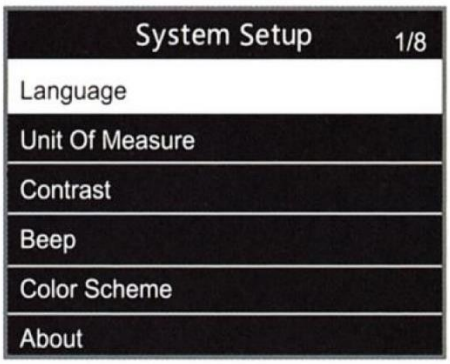
Select the **Voltage** option to display the **current battery voltage** of the connected vehicle.



Settings

Use the **Settings** menu to configure device parameters such as **language, measurement units, and system options**.





NOTES

This product is **not compatible with electric vehicles (EVs), hybrid vehicles, or vehicles that do not support the OBD-II protocol**.

Supported Protocols:

SAE J1850 PWM (41.6 kbaud)
SAE J1850 VPW (10.4 kbaud)
ISO 9141-2 (5 baud init, 10.4 kbaud)
ISO 14230-4 KWP2000 (5 baud init, 10.4 kbaud)
ISO 14230-4 KWP2000 (fast init, 10.4 kbaud)
ISO 15765-4 CAN (11-bit ID, 500 kbaud)
ISO 15765-4 CAN (29-bit ID, 500 kbaud)
ISO 15765-4 CAN (11-bit ID, 250 kbaud)
ISO 15765-4 CAN (29-bit ID, 250 kbaud)

INSTRUCTIONS FOR RECYCLING AND DISPOSAL:

This label means that the product cannot be disposed of as other household waste throughout the EU. To prevent potential damage tothe environment or human health from uncontrolled waste disposal. Recycle responsibly to promote the sustainable use of material resources. If youwant to return a used device, use the drop-off and collection system, or contact the retailer from whom you bought the product. The retailer can accept the product for environmentally safe recycling.

A declaration by the manufacturer that the product complies with the requirements of the applicable EU Directives.