VP59

Car OBD Diagnostic Tool

User Manual

Content

Disclaimer

All information, illustrations, and specifications contained in this manual are based on the latest information available at the time of publication. The right is reserved to make change at any time without notice. All pictures illustrated in this manual are for reference and demonstration purpose only. The actual reading results may vary depending on the vehicle.

1. Product introduction

The VP59 is a professional but cost-effective car OBD2 scanner for DIYers as well as a great upgrade from the basic code reader, to help you diagnose check engine light issues. It supports 10 OBD II modes and provides useful information such as fault code reading, freeze frame data, O2 sensor, and real-time engine data.

2. Operating Precautions

1. Do not use abrasive cleaners to clean this product.
2. Do not allow this product to be heated or close to fire sources.
3. Do not expose the product to direct sunlight for a long time.
4. Do not attempt to disassemble this product to make any modifications, as it does not contain any repair components.
5. Do not use this product in rain.
6. If you do not plan to use this product for a long time, please store it in a dry environment to avoid extreme temperatures and dust.

3. Product appearance and function keys

① OBD cable for connecting to vehicle OBD port
② 2.8 inch color display, resolution： 240*320
③ One-key DTC readings
④ Back/Exit
⑤ Up, down, left and right buttons
⑥ Red: Fault code detected
Orange: connection fails
Green: connection is successful
⑦ One-key to I/M readiness
⑧ Confirm

4. Product Specifications

4.1. Product parameters

- Working voltage: DC 9 - 16V
- Working current: 34 ~ 51mA
- Operating environment: －20～ 60℃
- Storage temperature: －20～ 60℃
- Overall dimensions: 173 * 91.7 * 25mm / 6.8 x 3.6 x 0.98 ″
- Language options: English, German, French, Spanish, Italian,
- Russian, Finnish, Dutch, Chinese, Japanese, Portuguese.

4.2. Package Content

VP59 OBD2 diagnostic tool *1 Storage bag *1 User Manual *1

4.3. Supported OBD II protocols

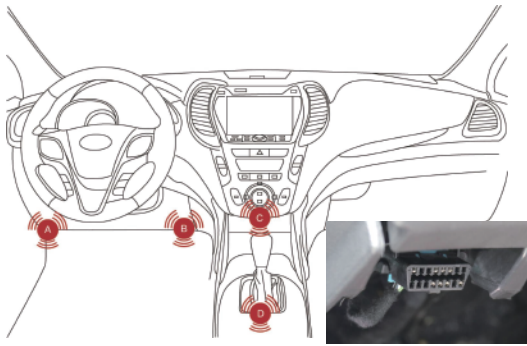
1. SAE J1850 PWM (41.6Kbaud)
2. 2.SAE J1850 VPW (10.4Kbaud)
3. ISO9141- 2(5 baud init, 10.4Kbaud)
4. ISO14230- 4 KWP (5 baud init, 10.4 Kbaud)
5. ISO14230- 4 KWP (fast init, 10.4 Kbaud)
6. ISO15765- 4 CAN (11bit ID, 500 Kbaud)
7. ISO15765- 4 CAN (29bit ID, 500 Kbaud)
8. ISO15765- 4 CAN (11bit ID, 250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

4.4. Product Specifications

Read engine fault codes	Battery voltage reading
Clear engine fault codes	Mode 6 test
View freeze frame data	Oxygen sensor test
I/M readiness	Mode 8 test
Vehicle information	DTC lookup
OBD II sensor data	Cloud print
Performance test	

5. OBD Port Location

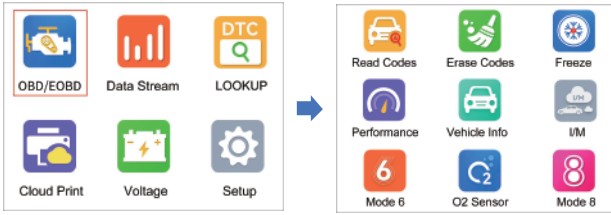
It's usually located under the instrument panel on the driver's side, but some can be found near the center console area or even on the passenger's side. Additionally, some OBD2 ports are exposed and easily found, while others are hidden behind a cover. If you're unable to locate it, consult your owner's manual or search on the web.



6. Menu Introduction

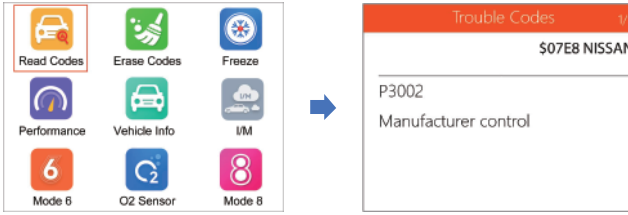
6.1. Main menu

After plugging in the device, turn on the ignition and enter the main page, select the " OBD / EOBD " menu, and press OK button to enter the OBD diagnostic page. There are 9 functions, and you can use the arrow buttons to move and select.



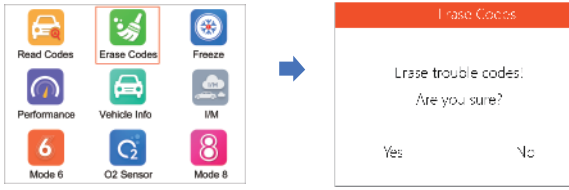
6.1.1 Read Codes

- Select Read Codes option to initiate a diagnostic scan of the vehicle's engine system.
- If engine faults are detected, the device will display the corresponding fault codes along with their definitions.
- If there are multiple fault codes, you can use the directional buttons to scroll through the list.
- Press OK or EXIT to return to the previous menu.



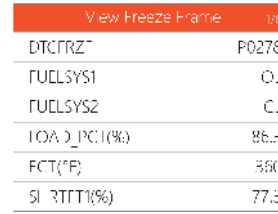
6.1.2. Clear Codes

- Press OK button to enter and a confirmation message will appear. Press OK again to confirm the operation.Once successfully erased, normally the engine fault light (MIL) will turn off.
- Note: In some cases, it may say “erase failed” but the codes are actually cleared. You can turn off the vehicle and turn it on to check. Clear codes with ignition On Engine Off. Some codes may be cleared but show up shortly. Some codes may not be cleared this way depending on the manufacturer.



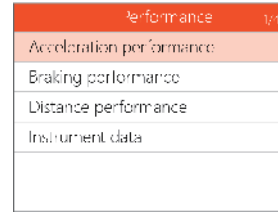
6.1.3. Freeze Frame

The Freeze function displays snapshot data automatically captured by the vehicle's onboard computer when an emission-related fault code is detected. This feature provides critical diagnostic information to help identify the root cause of the fault.



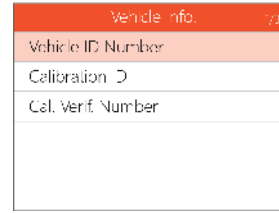
6.1.4. Performance Test

The Performance function evaluates key vehicle metrics, including acceleration, braking, distance, and instrument data. Instrument data includes calculated load value, engine coolant temperature, instant fuel consumption, and mileage. It will show N/A if the sensor is not supported.



6.1.5. Vehicle information

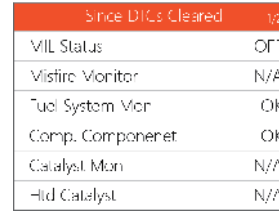
The Vehicle Info function allows you to retrieve and view essential vehicle information, including Vehicle Identification Number (VIN) , Calibration IDs, and other related data.



6.1.6. I/M Readiness

The I/M Readiness function checks the status of the vehicle's emission system monitors to determine if they are ready for inspection and maintenance. Each monitor has specific driving conditions and time requirements for completion.

- OK means the monitor test is completed.
- INC indicates that the monitor test is incomplete and has not yet met the required conditions.
- N/A means that the monitor is not applicable or not supported by t he vehicle.



6.1.7. Mode 6

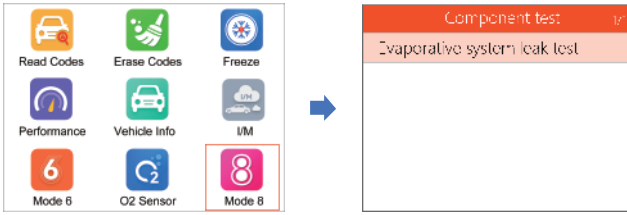
Mode 6 function provides access to on-board monitoring test results. This feature allows you to view detailed diagnostic data for specific components and systems, enabling advanced troubleshooting of potential issues.

6.1.8. Oxygen Sensor Test

The Oxygen Sensor Test function reads and displays the oxygen sensor values from the vehicle's onboard system. These values are analyzed to determine whether the sensor's performance and related test data meet normal operating standards.

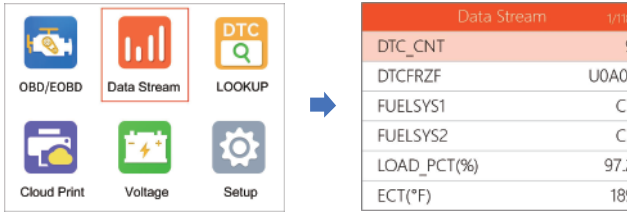
6.1.9. Mode 8

The Mode 8 function performs tests on the vehicle's evaporative emission control (EVAP) system to identify potential leaks or faults in its components. This feature is essential for diagnosing issues related to fuel vapor containment and emissions compliance.



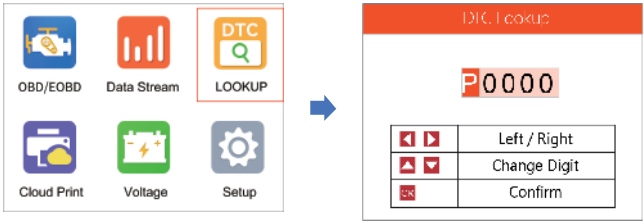
6.2. Data Stream

The Data Stream function retrieves and displays real-time engine data for comprehensive diagnostics and analysis.



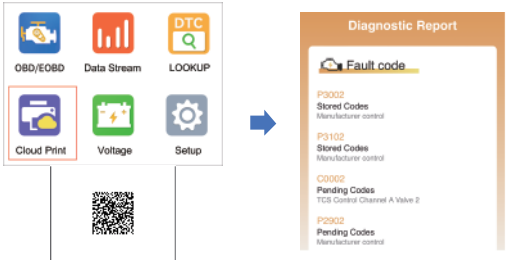
6.3. DTC Lookup

The Fault Code Library allows users to search for the definitions of specific diagnostic trouble codes (DTCs) . Use the directional keys to navigate to the desired fault code and press OK to view its detailed definition and explanation.



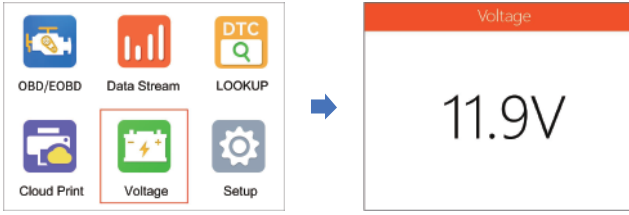
6.4. Cloud Print

The Cloud Print function generates QR codes for diagnostic data, including fault codes, data streams, freeze frames, and other vehicle information. These QR codes can be scanned with a mobile device for easy sharing or printing.



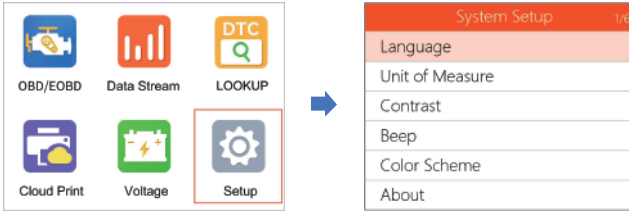
6.5.Voltage

The voltage functions can read the current voltage of the 12V car battery.



6.6. Settings

Enter the setting option to adjust the language, measurement units and other and other configurable options.



7. Warranty and Support

7.1 One-year Limited Manufacturer Warranty

The manufacturer warrants its customer that this product is free ofdefects in material and workmanship at the time of its original purchase for a subsequent period of one (1) year. In the event this product fails to operate under normal use, during the warranty period, due to defects in materials and workmanship, the manufacturer will replace the product. For products beyond this period, you can still contact the manufacturer for help.

7.2 FAQs & Troubleshooting

(1) **Device does not power on.**
Check the cigar fuse of your vehicle as it could mean that there is no power from the DLC. Or try it on another vehicle.

(2) **Fails to connect to vehicle.**
Make sure it fit well in the OBD2 port. Unplug and plug in a few times to look for a proper fit. Make sure the vehicle is OBD-II or EOBD compliant and ignition is turned on. Or try on another vehicle.

(3) **Fail to erase codes.**
For some confirmed or permanent error codes, if the problem causing the codes hasn't been fixed, they won't be erased by the product or they may be erased, but will come back again right away. We suggest that you fix the problem first.

(4) **Could not read VIN.**
Reading VIN requires Mode 9 support from your vehicle.

(5) **Can it read or reset ABS, airbag, EPS, TPMS fault codes?**
No. It can only diagnose check engine light (emission-related) .

(6) **Can it reset oil light?**
No.

(7) **Is it compatible with electric vehicles (EVs)?**
No, EVs and other low-emission vehicles do not have standard OBD-II diagnostic systems and are not supported.

(8) **Functions not available or incompatible.**
Not all vehicles support all the OBD II modes (depended on the manufacturer) . For example, Mode 5 is no longer used on CAN vehicles.

7.3 Customer Service

For technical support or warranty service,
please contact the manufacturer via the following ways:
Email: support@veepeak.com
Website: www.veepeak.com
Scan the QR code on the device or packaging box.