VEHLIVE V880-2

VEHLIVE V880 OBD2 Scanner Diagnostic Tool User Manual

Model: V880-2

1. Introduction

The VEHLIVE V880 is a professional OBD2 scanner and diagnostic tool designed for vehicle owners to efficiently read and clear Diagnostic Trouble Codes (DTCs), perform battery voltage tests, and monitor various vehicle parameters. This device supports full OBDII/EOBD diagnostic functions for the engine system, providing a comprehensive overview of your vehicle's operational status. It features a large, user-friendly LCD color screen and an extensive built-in DTC lookup library.

2. Setup and Connection

The VEHLIVE V880 is designed for plug-and-play operation, requiring no external batteries or complex software installations. Follow these steps to set up and connect the device:

1. **Locate the OBD-II Port:** The OBD-II 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 find it.
2. **Connect the Scanner:** Plug the 16-pin connector of the VEHLIVE V880 into your vehicle's OBD-II port. Ensure a secure connection.
3. **Turn on Ignition:** Turn the vehicle's ignition key to the 'ON' position (do not start the engine). The scanner will power on automatically.
4. **Initial Setup:** Upon first use, you may be prompted to select a language. Use the navigation buttons on the device to select your preferred language and confirm.



Image: The VEHLIVE V880 scanner connected to a vehicle's OBD-II port, illustrating the simple plug-and-play setup process and the battery voltage display on the screen.

3. Operating Instructions

The VEHLIVE V880 offers various diagnostic functions accessible through its intuitive menu system.

3.1. Reading and Clearing Diagnostic Trouble Codes (DTCs)

This function allows you to identify the cause of the Check Engine Light (CEL) and clear it.

1. **Read Codes:** From the main menu, select "Read Codes" to display current, pending, and permanent DTCs stored in the vehicle's Engine Control Unit (ECU).
2. **Clear Codes:** After addressing the underlying issue, select "Clear DTC" from the menu. Confirm the action when prompted. This will turn off the Check Engine Light.



Image: The VEHLIVE V880 displaying the 'Clear DTC' confirmation screen, alongside a visual representation of the Check Engine Light being turned off after codes are erased.

3.2. I/M Readiness Test

The I/M Readiness function checks if the various emissions-related systems on the vehicle are operating correctly and have completed their diagnostic cycles.

- From the main menu, select "I/M Readiness".
- The screen will display the status of various monitors (e.g., MIL, EVAP, O2S, CAT). A green checkmark indicates completion, while other symbols may indicate incomplete tests or issues.



Image: The VEHLIVE V880 displaying the results of an I/M Readiness Test, showing the status of different emission monitors with clear indicators for compliance.

3.3. Battery Voltage Test

The V880 includes a 12V battery testing function to quickly assess your vehicle's battery health.

- From the main menu, select "Battery Test".
- The device will display the current battery voltage and provide an assessment (e.g., normal, low, high).

3.4. Live Data Stream

Monitor real-time operational parameters of your vehicle.

- Select "Live Data" from the menu.
- You can view various parameters such as RPM, coolant temperature, fuel trim, and more, in both numerical and graphical formats. The V880 can display up to 4 data waveforms simultaneously.



Image: The VEHLIVE V880 showing a graphical representation of live data streams, illustrating how multiple key parameters can be monitored simultaneously for detailed analysis.

3.5. Freeze Frame Data

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

- Select "Freeze Frame" from the menu to view this recorded data, which can help in diagnosing intermittent problems.

3.6. DTC Lookup Library

The V880 has an extensive built-in library of over 98,000 DTC definitions.

- Select "DTC Lookup" from the menu.
- Enter a DTC code to view its detailed description directly on the device, eliminating the need for online searches.



Image: The VEHLIVE V880 demonstrating its DTC Lookup feature, where a user can input a trouble code (e.g., P0045) and receive an immediate, detailed definition.

3.7. Vehicle Information (VIN/CIN)

Retrieve important vehicle information.

- Select "Vehicle Info" to display the Vehicle Identification Number (VIN), Calibration ID (CIN), and Calibration Verification Number (CVN).

3.8. Data Playback and Printing

The V880 supports data playback and printing via a PC connection.

- Connect the scanner to a computer using a USB cable (if provided or compatible).
- Follow the instructions in the device's software (if applicable) to review recorded data or print diagnostic reports.

3.9. Supported Protocols and Compatibility

The VEHLIVE V880 supports all OBDII protocols and is compatible with a wide range of vehicles.

- **Supported Protocols:** J1850PWM, J1850VPW, ISO9141, KWP4230, CAN (ISO15765-4).
- **Vehicle Compatibility:** Compatible with 16-pin vehicles made in the US since 1996, the European Union since 2003, and Asia. This includes sedans, light trucks, and SUVs (12V only).

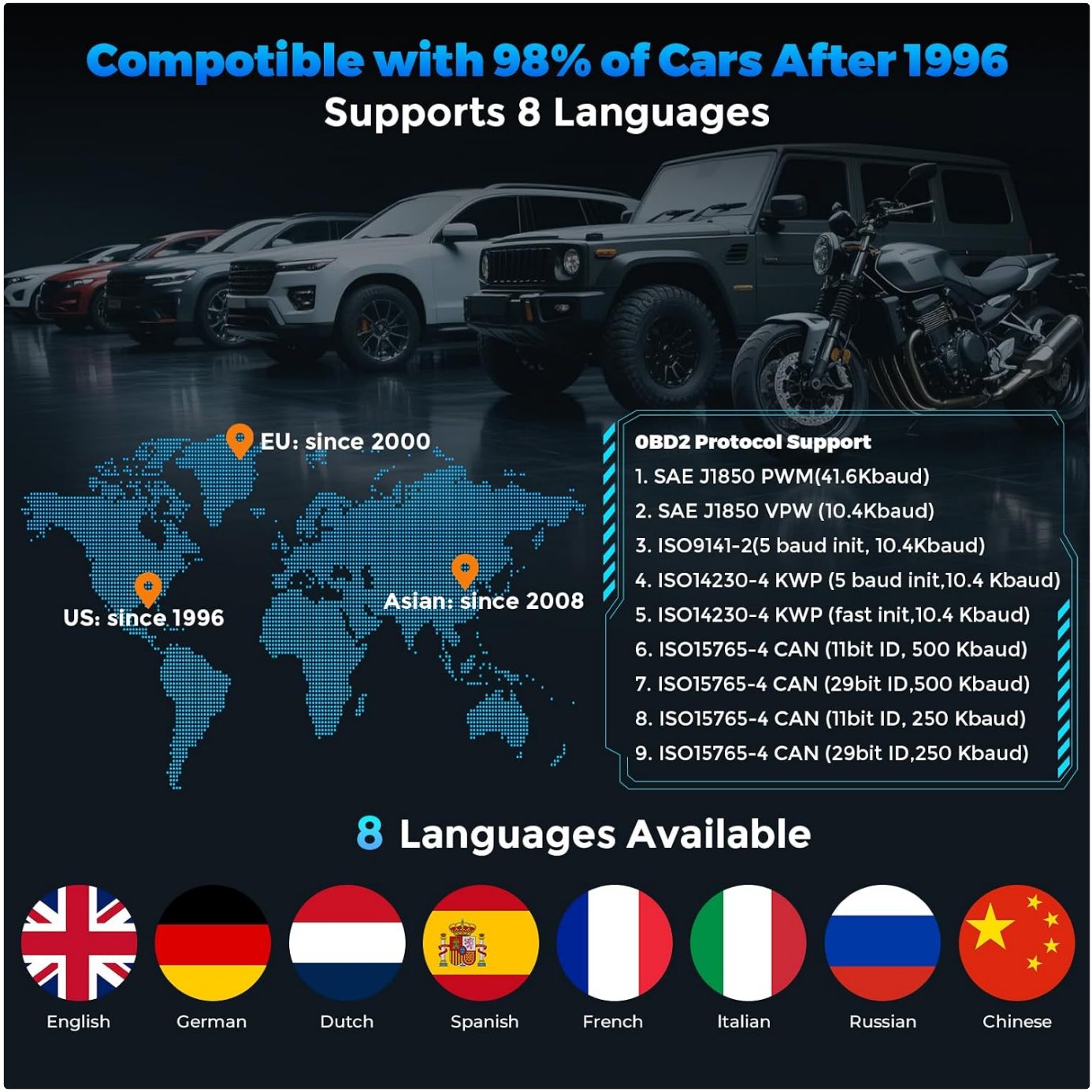


Image: A visual representation of the VEHLIVE V880's wide compatibility, showing supported regions (US, EU, Asia) and a detailed list of OBD2 protocols it can communicate with.

4. Maintenance

Proper maintenance ensures the longevity and optimal performance of your VEHLIVE V880.

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the scanner in a cool, dry place away from direct sunlight and extreme temperatures.
- **Software Updates:** The device features an "Upgrade Function." Periodically check the manufacturer's website for available software updates to ensure the scanner has the latest vehicle data and features.
- **Cable Care:** Avoid bending or twisting the diagnostic cable excessively to prevent internal damage.

5. Troubleshooting

If you encounter issues with your VEHLIVE V880, refer to the following common troubleshooting steps:

- **Device Not Powering On:**
  - Ensure the OBD-II connector is securely plugged into the vehicle's port.
  - Verify the vehicle's ignition is in the 'ON' position.
  - Check the vehicle's fuse for the OBD-II port (refer to your vehicle's manual).
- **Communication Error:**
  - Confirm the vehicle is OBD-II compliant (US vehicles 1996+, EU 2003+, Asia).
  - Ensure the connection is firm. Disconnect and reconnect the scanner.
  - Try the scanner on another compatible vehicle to rule out a vehicle-specific issue.
- **Incorrect Readings/Inaccurate Data:**
  - Ensure the vehicle's ignition is 'ON' and the engine is not running for static tests, or running for live data.
  - Verify the scanner's software is up to date using the "Upgrade Function."
- **Screen Freezes/Unresponsive:**
  - Disconnect the scanner from the vehicle and reconnect it.
  - If the issue persists, contact customer support.

6. Specifications

Feature	Description
Model Number	V880-2
Brand	VEHLIVE
Screen Size	2.8 Inches LCD Color Screen
Power Source	Vehicle's OBD-II Port (Corded Electric)
Operating System	Linux
Supported Protocols	J1850PWM, J1850VPW, ISO9141, KWP4230, CAN (ISO15765-4)
DTC Library	Over 98,000 built-in definitions
Dimensions	20.7 x 13.31 x 4.6 cm (approx.)
Item Weight	322 g
Cable Length	2.5 feet (76 cm) heavy-duty diagnostic cable
Supported Languages	8 languages (e.g., English, German, Spanish, French, Italian, Russian, Chinese)

7. Warranty and Support

For product support, technical assistance, or warranty inquiries, please refer to the contact information provided with your purchase documentation or visit the official VEHLIVE website. Keep your purchase receipt as proof of purchase for any warranty claims.

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