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OBDScar OS601

OBDScar OS601 OBD2 Scanner Diagnostic Tool User Manual

Model: OS601

1. Introduction

The OBDScar OS601 OBD2 Scanner is a diagnostic tool designed to read and clear engine trouble codes, turn off the check engine light, and perform various diagnostic tests on OBD-II compliant vehicles. This manual provides comprehensive instructions for setting up, operating, and maintaining your device to ensure accurate and efficient vehicle diagnostics.



Figure 1: OBDScar OS601 OBD2 Scanner Diagnostic Tool

2. What's in the Box

- OS601 OBD2 Scanner Code Reader x 1
- OBDII Connector Cable x 1 (pre-attached)
- User Manual x 1



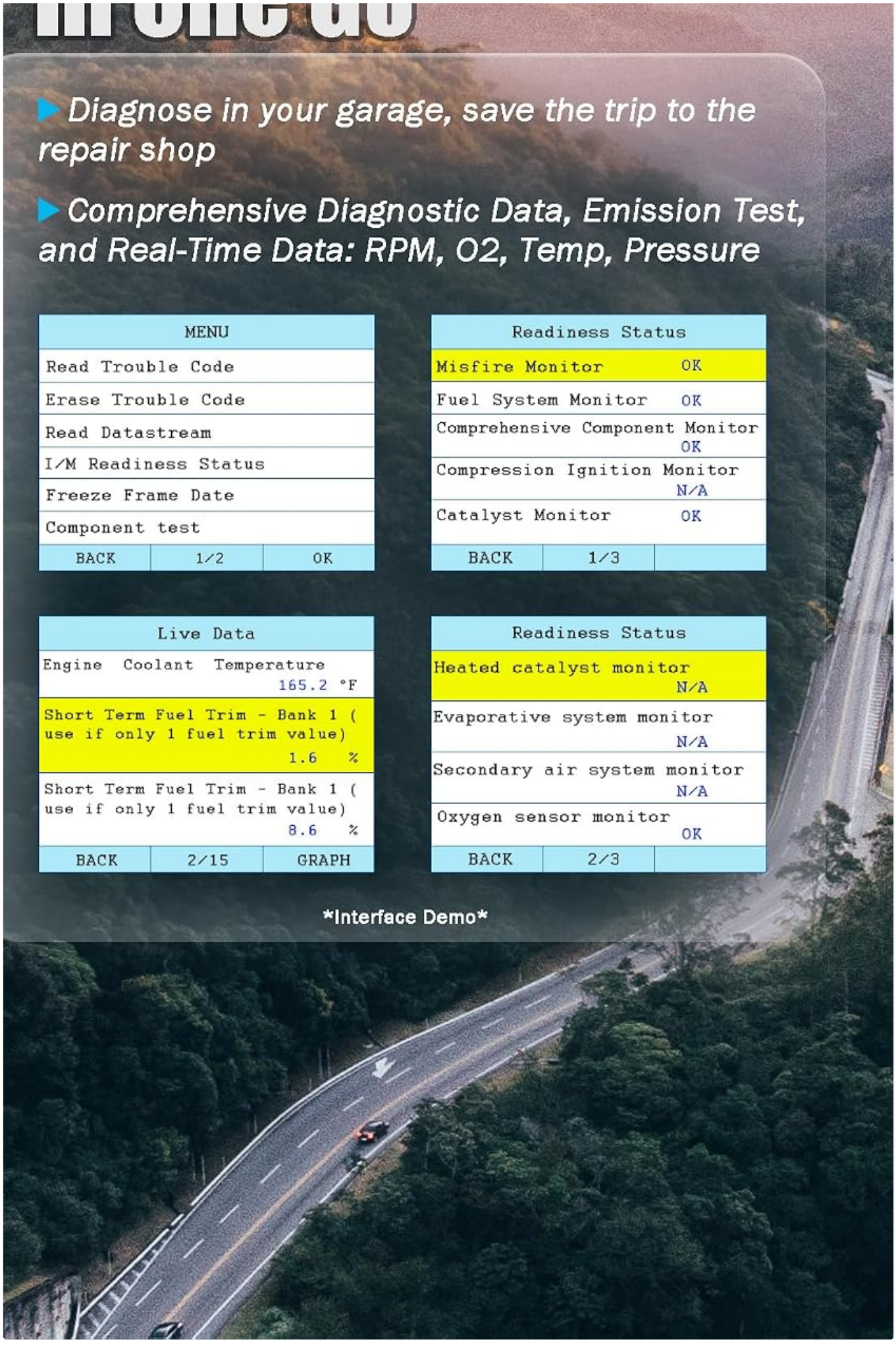


Figure 2: Contents of the OBDScar OS601 package

3. Setup

3.1 Connecting to Your Vehicle

1. Locate the 16-pin Data Link Connector (DLC) port in your vehicle. This port is typically found under the dashboard on the driver's side.
2. Ensure the vehicle's ignition is in the 'OFF' position.
3. Firmly plug the OBDII connector cable from the OS601 scanner into the vehicle's DLC port. The device is powered directly by your car, so no external battery is required.
4. Turn the vehicle's ignition to the 'ON' position (engine off). The scanner will automatically power on and begin communication with the vehicle's onboard computer.

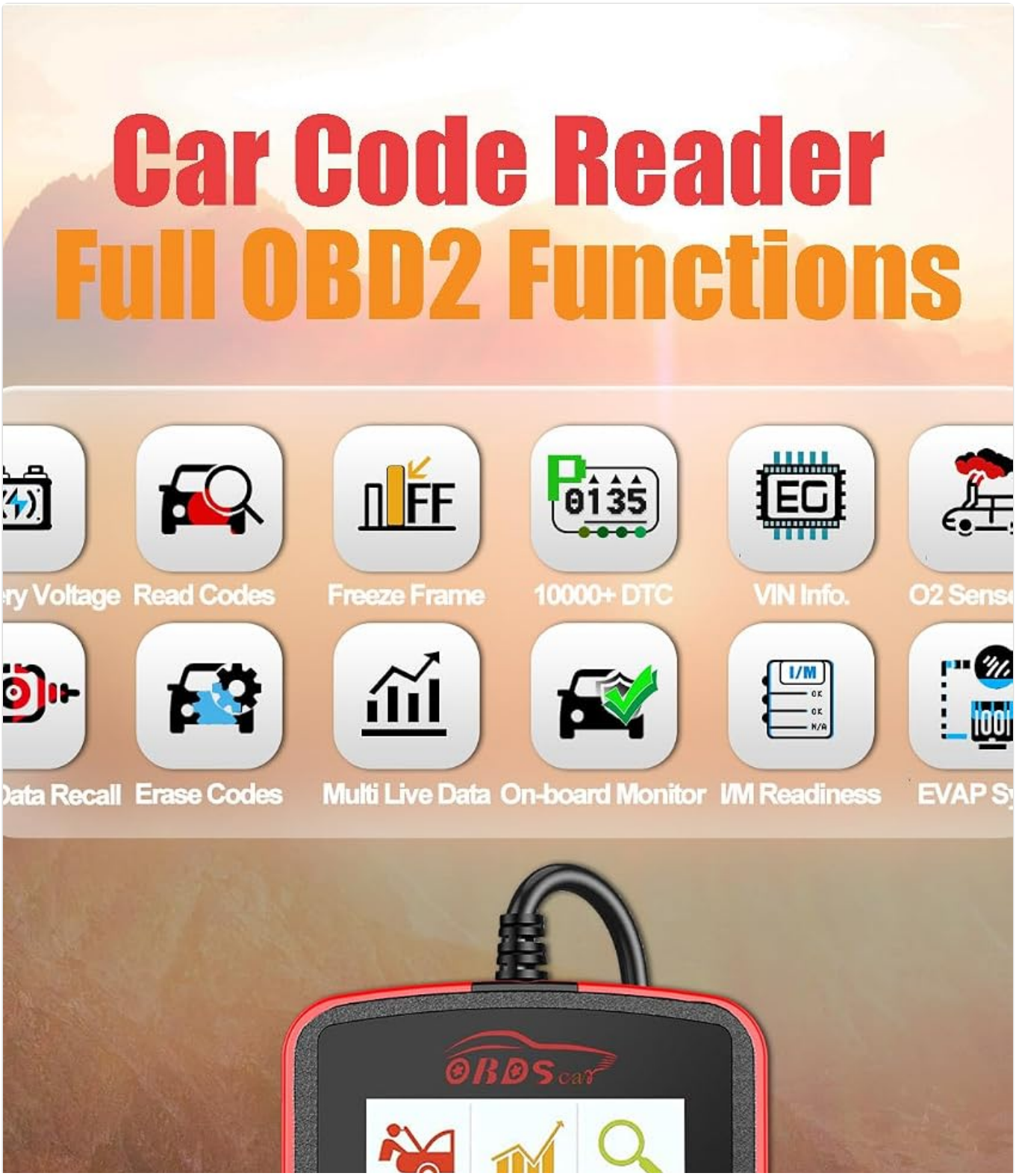




Figure 3: OBDScar OS601 connected via its integrated cable

4. Operating Instructions

The OS601 features a 7-button panel and a 2.4-inch color screen for easy navigation and clear data display. Use the directional buttons to navigate menus and 'ENTER' to select options.

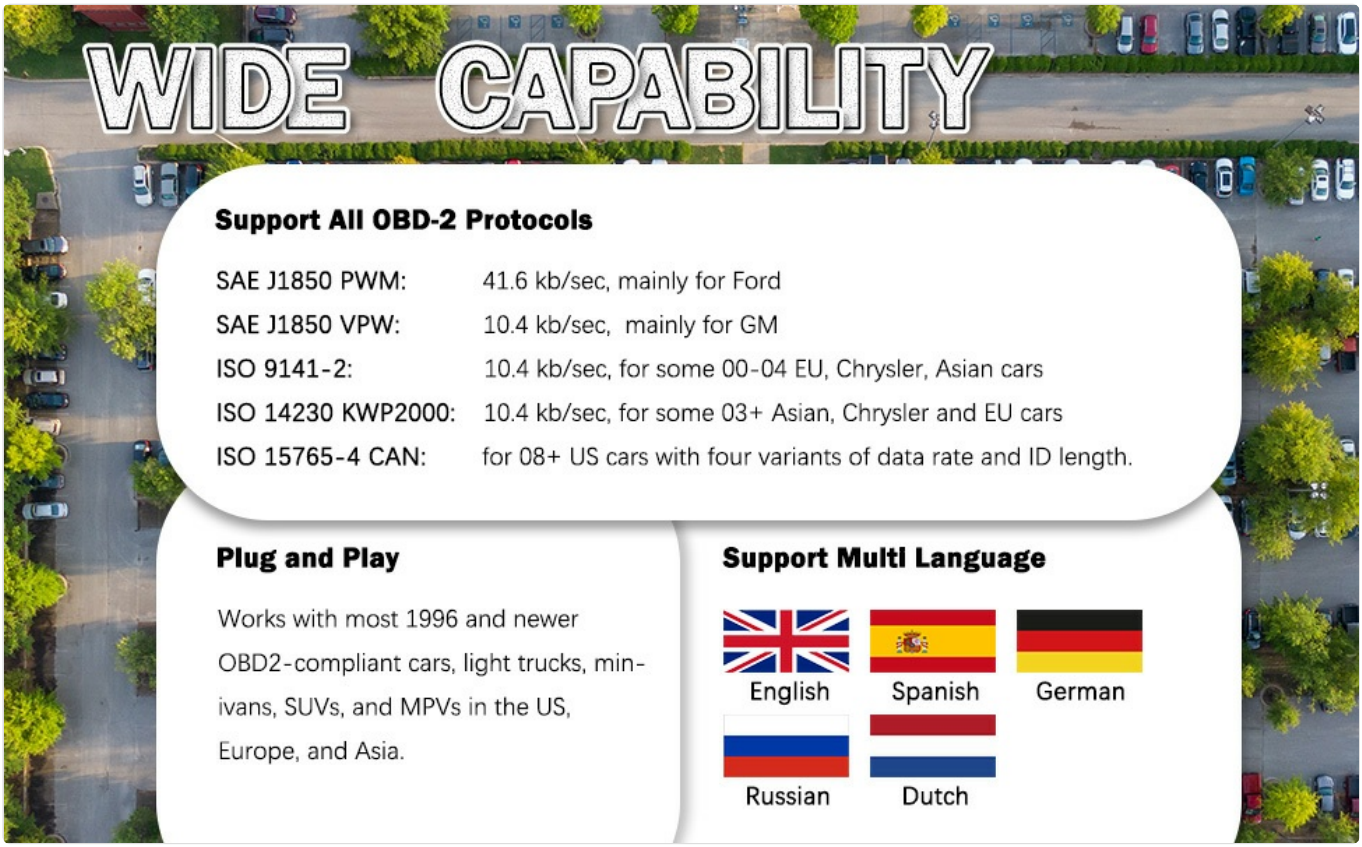


Figure 4: Main menu and function icons on the OS601 screen

4.1 Reading and Clearing Trouble Codes

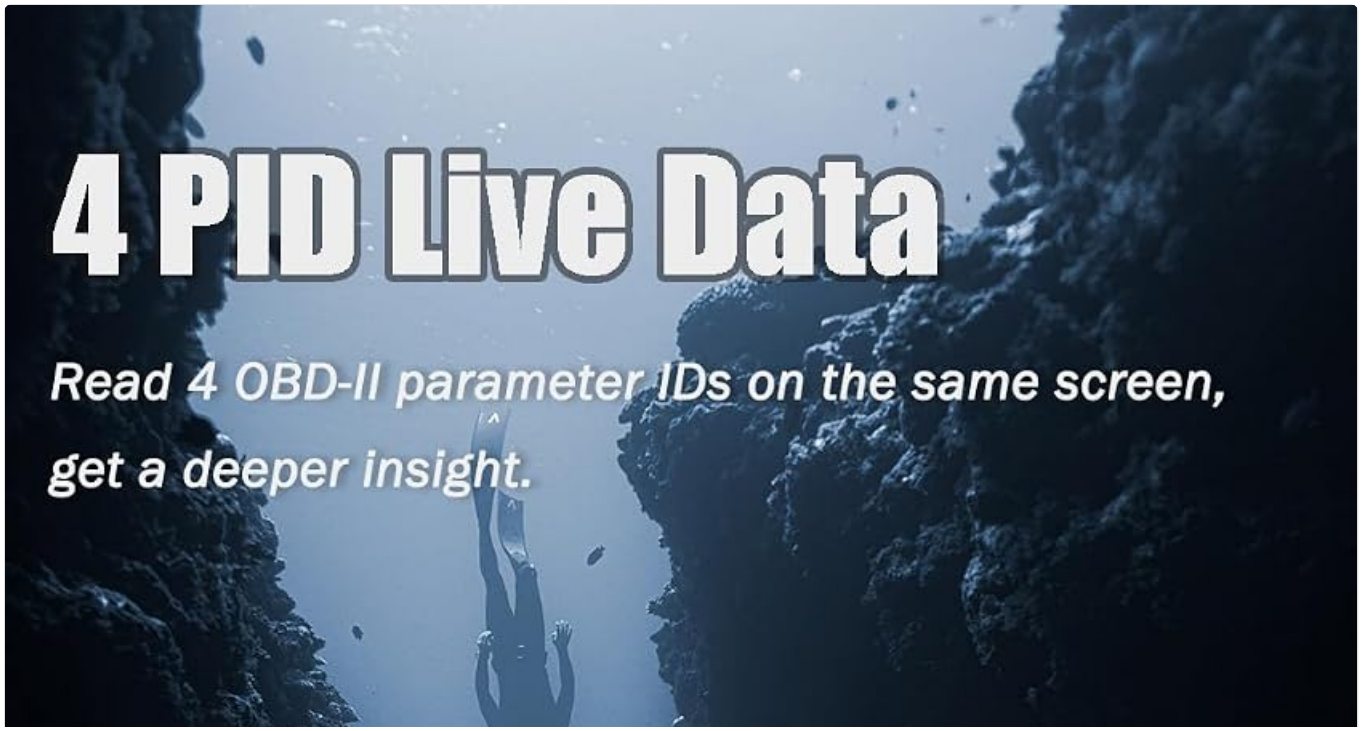
1. From the main menu, select 'OBDII' or 'Diagnose'.
2. Choose 'Read Trouble Code' to view current and pending Diagnostic Trouble Codes (DTCs).
3. To clear codes, select 'Erase Trouble Code'. Confirm the action when prompted. This will turn off the Check Engine Light and reset monitors.



Figure 5: Reading trouble codes and viewing readiness status

4.2 Live Data Stream

Select 'Read Data Stream' from the 'OBDII' menu to view real-time vehicle operating parameters such as engine speed, coolant temperature, and fuel consumption. The device can monitor and analyze up to 4 parameters simultaneously.



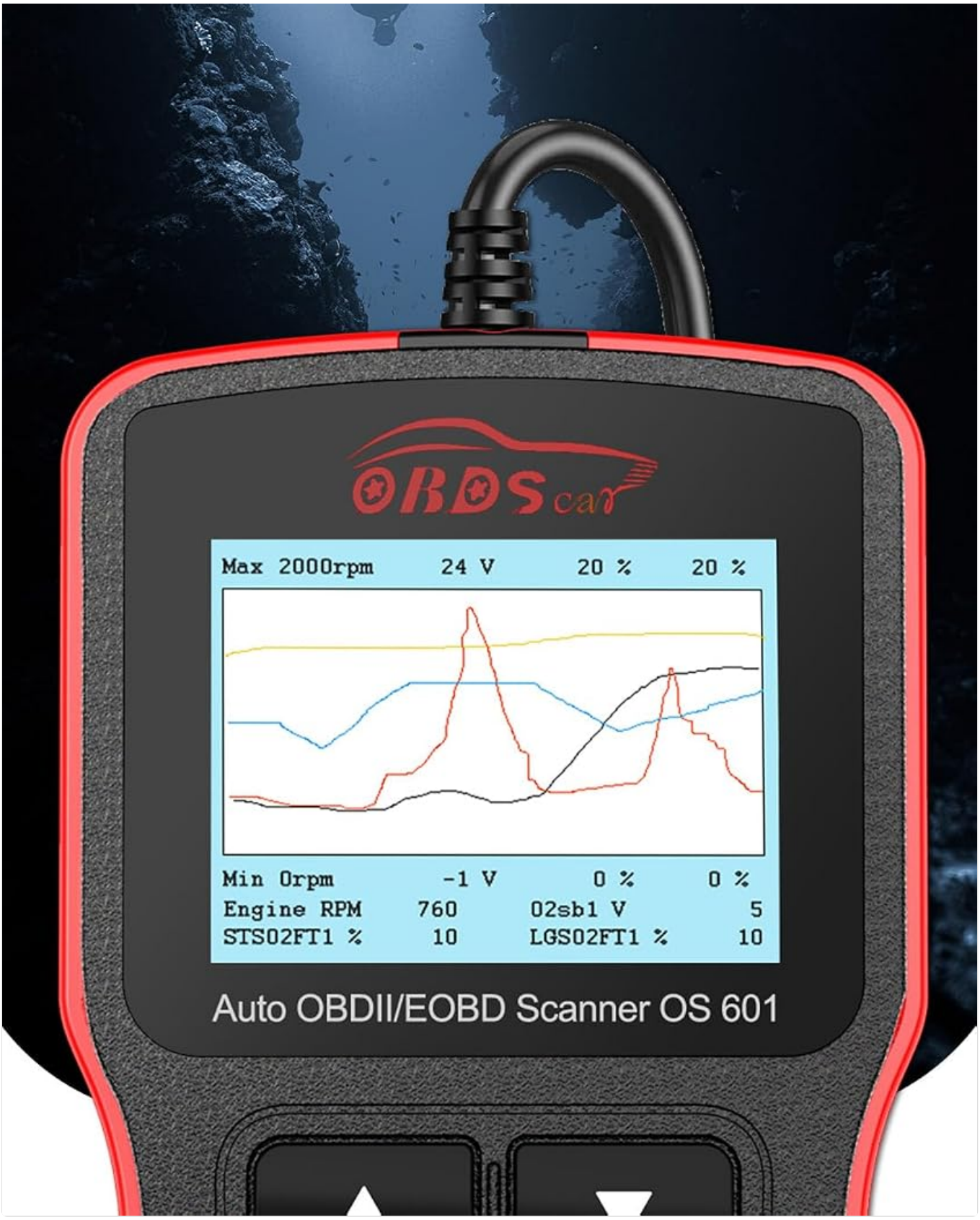


Figure 6: Real-time 4 PID Live Data display

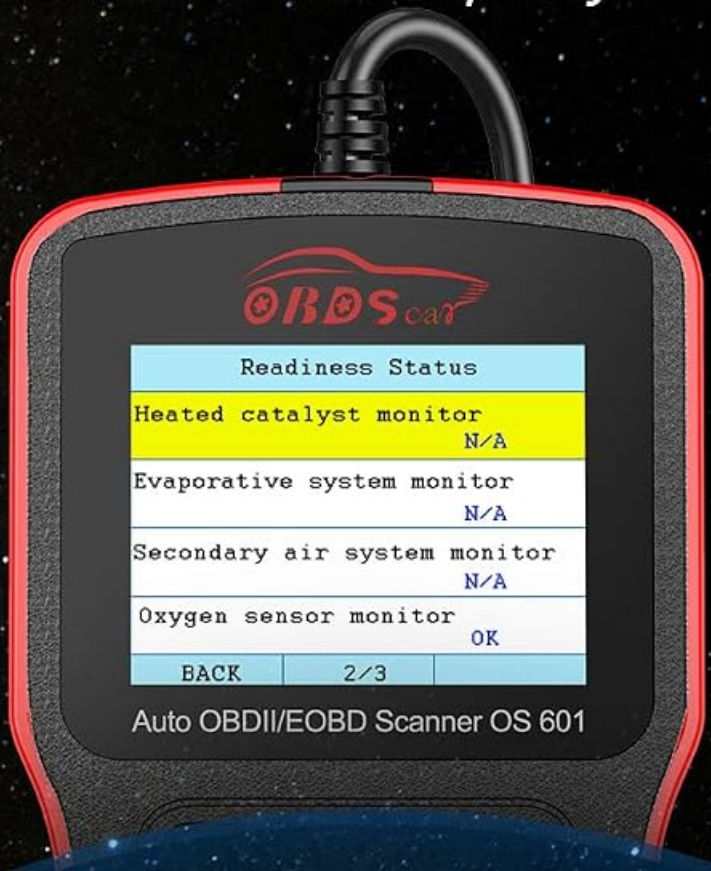
4.3 I/M Readiness Status

Use the 'I/M Readiness' function to check the status of emission-related monitors (e.g., O2 sensor, EVAP system, EGR). This helps determine if your vehicle is ready for an emissions test.



Emission Test Made Easy

Use I/M Readiness to check O2, EVAP, EGR and other emission monitors quickly.



OK — *Misfire Monitor*

INC — *Catalyst Monitor*

Fuel System Monitor

NA — *Comprehensive Component Monitor*



Figure 7: I/M Readiness status for emission tests

4.4 DTC Lookup

The OS601 includes a built-in DTC library with over 10,000 diagnostic trouble codes. Select 'DTC Lookup' from the main menu and enter a code to view its definition and potential causes.

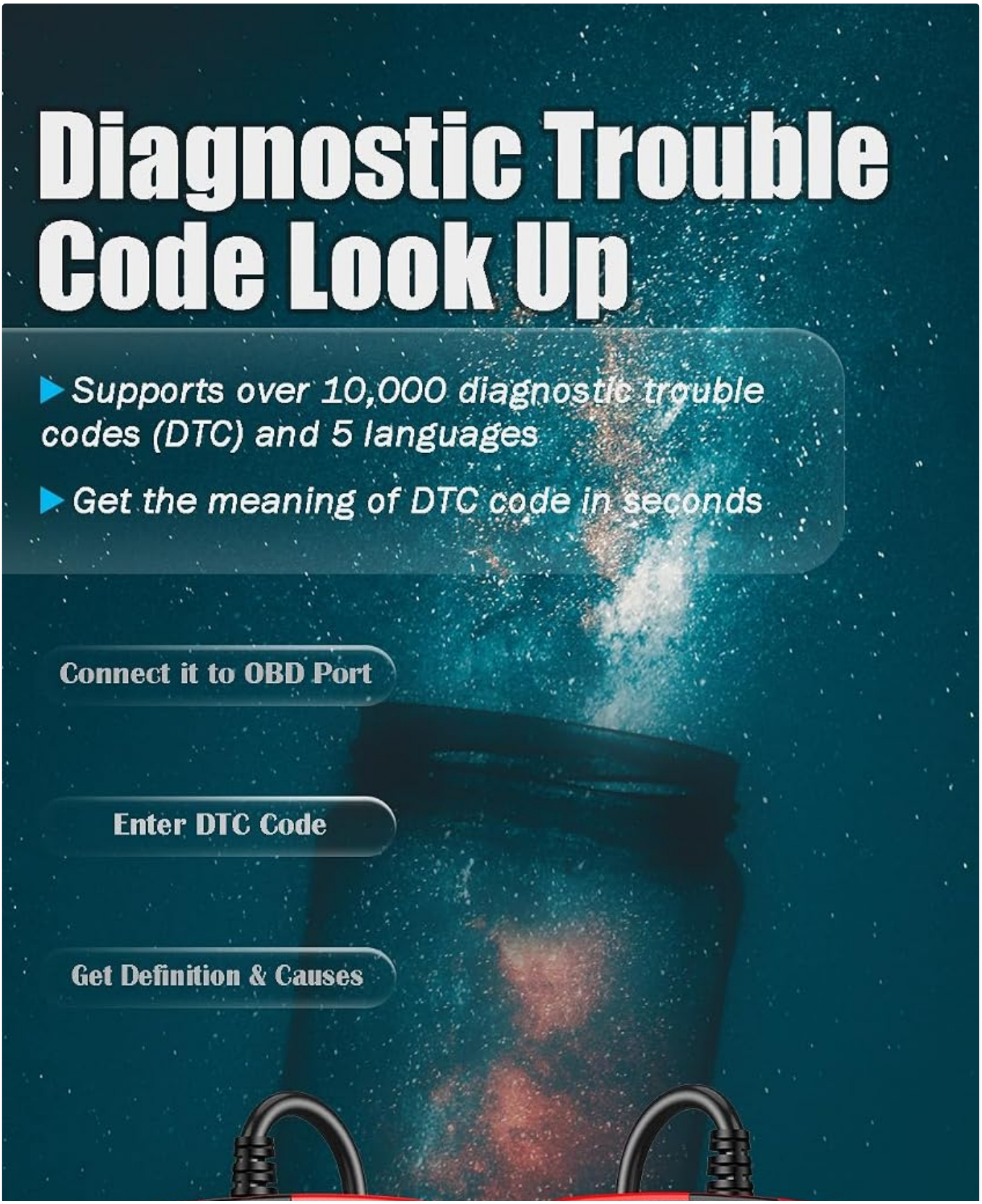




Figure 8: Using the Diagnostic Trouble Code Lookup feature

4.5 Language Settings

The device supports multiple languages including English, German, Spanish, Dutch, and Russian. To change the language, navigate to 'Setup' and then 'Language'.

5. Maintenance

5.1 Software Updates

The OS601 scanner supports software upgrades to ensure compatibility with newer vehicles and updated diagnostic protocols. Connect the device to a computer via a USB cable and follow the instructions provided in the full user manual for the update process.

5.2 General Care

Keep the device clean and dry. Avoid exposing it to extreme temperatures or direct sunlight for prolonged periods. The compact design with a protective bumper case helps ensure durability.

6. Troubleshooting

- **No Communication with Vehicle:** Ensure the OBDII connector is securely plugged into the vehicle's DLC port and the ignition is 'ON'. Verify that your vehicle is OBD-II compliant (most vehicles from 1996 onwards).
- **'Component Test Not Supported' Message:** Some advanced diagnostic functions, such as the EVAP system test, may not be supported by all vehicle models or manufacturers. Refer to your vehicle's service repair manual for specific test capabilities.
- **Incorrect Readings:** Ensure the device software is up-to-date. If issues persist, consult your vehicle's manual or a qualified mechanic.

7. Specifications

Feature	Detail

Model	OS601
Brand	OBDScar
Compatibility	Most 1996 and newer OBD2-compliant cars, light trucks, minivans, SUVs, and MPVs in the US, Europe, and Asia. Not for hybrid or electric vehicles.
Supported Protocols	CAN, ISO9141, KWP2000, J1850 PWM, J1850 VPW
Screen Size	2.4 Inches
Power Source	Vehicle's 12V OBD-II port (no battery required)
Item Weight	10.6 ounces
Product Dimensions	4.92 x 2.95 x 0.98 inches
DTC Library	Built-in, over 10,000 codes





Figure 9: Wide compatibility and supported protocols

8. Warranty and Support

Specific warranty and support information is not provided in the product details. Please refer to the product packaging or contact the manufacturer directly for warranty claims and technical assistance.

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Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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