VXDAS VXDAS-NT210

VXDAS NT210 OBD2 Scanner User Manual

Model: VXDAS-NT210 | Brand: VXDAS

1. Introduction and Overview

The VXDAS NT210 OBD2 Scanner is an economic and user-friendly diagnostic tool designed to help car owners and DIY enthusiasts quickly identify and resolve common vehicle issues. This device allows for reading and clearing trouble codes, checking emission readiness, viewing freeze frame data, and retrieving vehicle information, all without the need for external power sources or complex setups. It is compatible with most 1996 US-based, 2000 EU-based, and newer vehicles that comply with OBD2/CAN protocols, including light-duty trucks, SUVs, and mini-vans (excluding electronic vehicles).

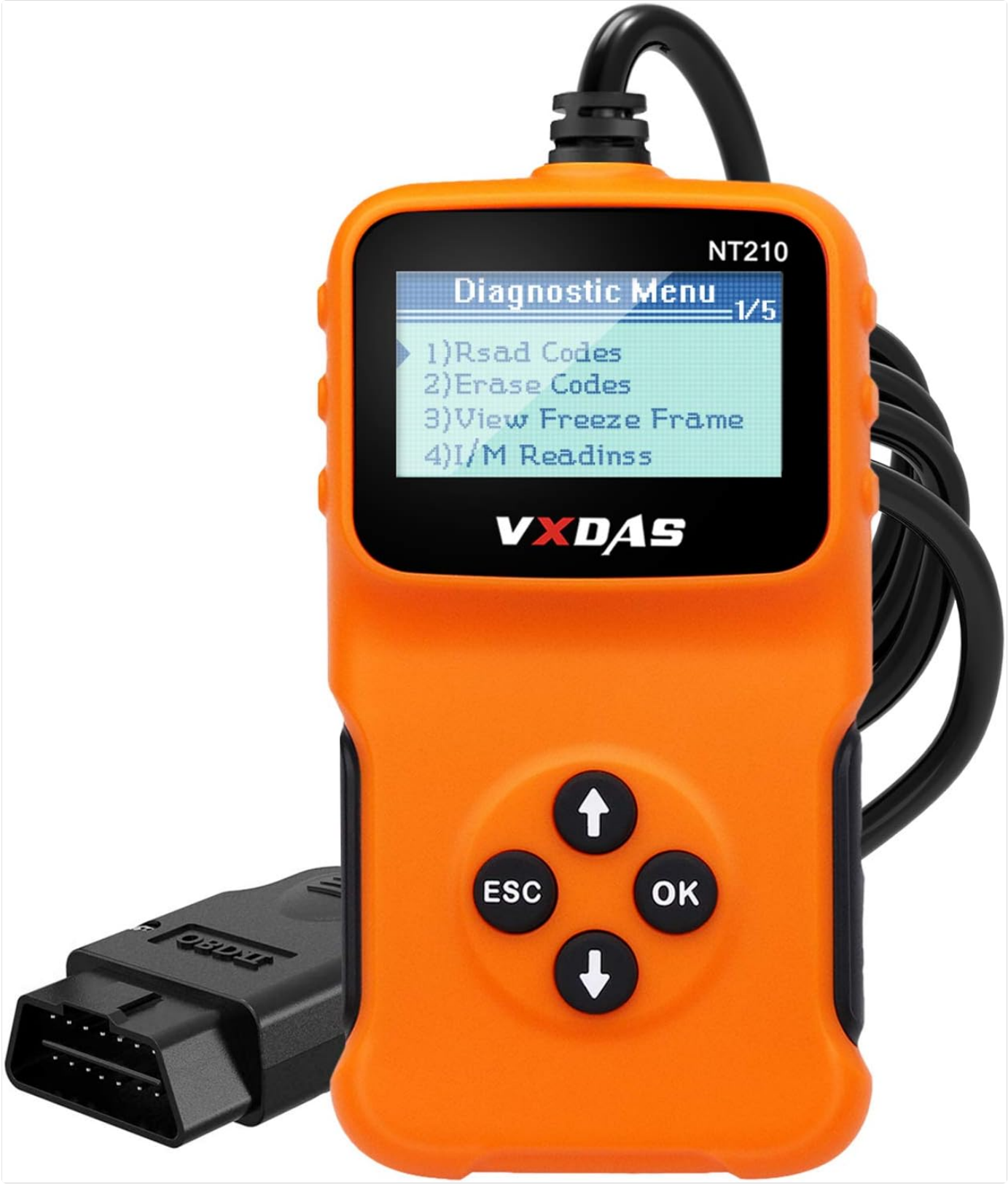

Figure 1: Front view of the VXDAS NT210 OBD2 Scanner.

2. Product Features

- **Economic Diagnostic Tool:** Reads and clears trouble codes (DTCs), turns off the Check Engine Light (MIL), and supports emission testing, I/M Readiness, Freeze Frame data viewing, and VIN retrieval.
- **User-Friendly Design:** Plug-and-play operation requires no batteries. Features a large LCD display with backlight and adjustable contrast for clear readability. Its compact and lightweight design makes it easy to handle.

- **Universal Coverage:** Compatible with most 1996 US-based, 2000 EU-based, and newer vehicles equipped with a 16-pin port and compliant with OBD2/CAN protocols. This includes light-duty trucks (12V only), SUVs, and mini-vans. Note: Not for electronic vehicles.
- **Information Retrieval:** Includes a built-in OBD2 DTC lookup library that directly displays code definitions, eliminating the need for online searches. Reads and displays Vehicle Identification Number (VIN) for accurate vehicle identification.
- **Multilingual Support:** Offers data output in multiple languages including English, French, and German for broader user accessibility.

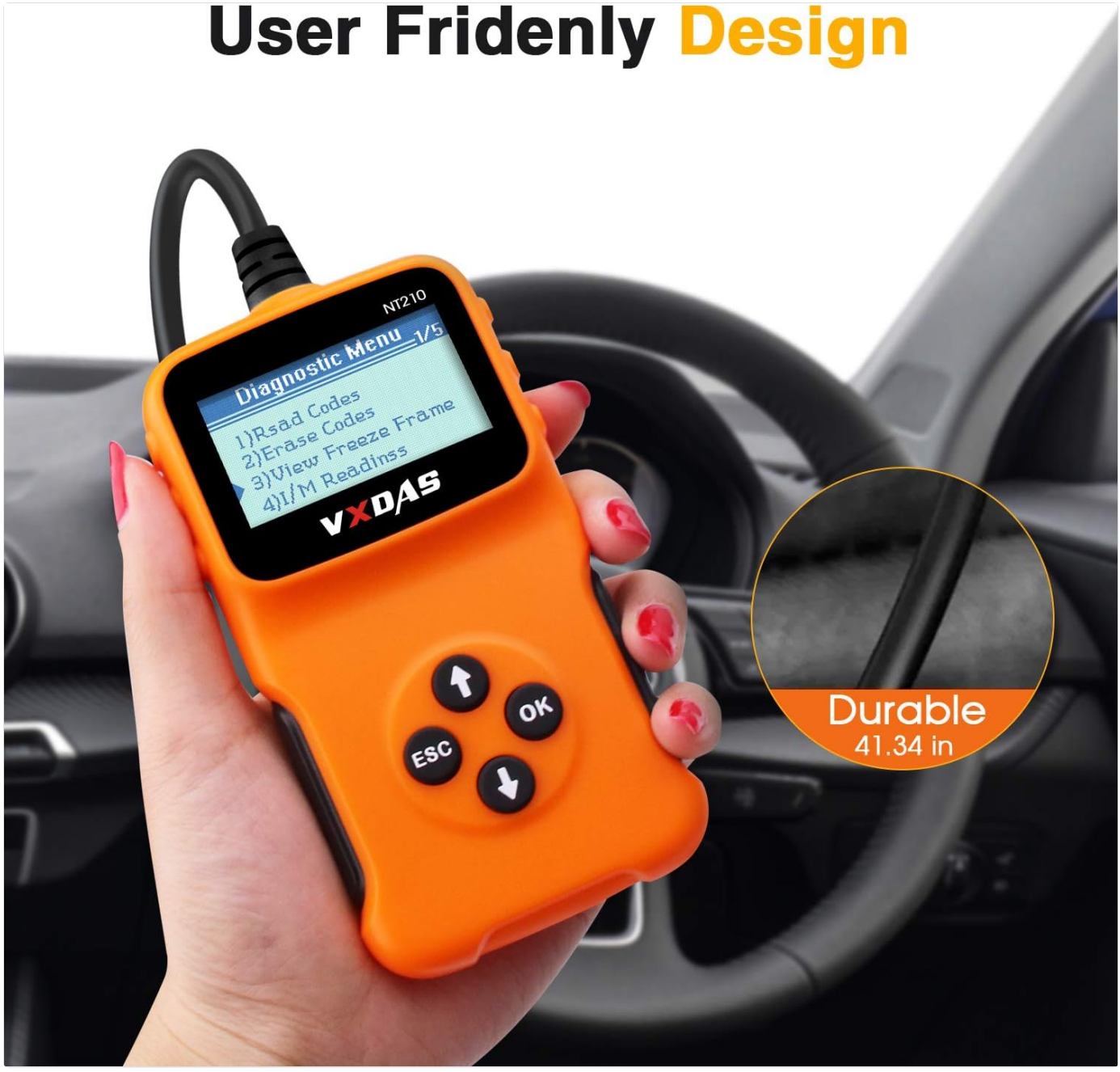

Figure 2: The compact and user-friendly design of the NT210 scanner.

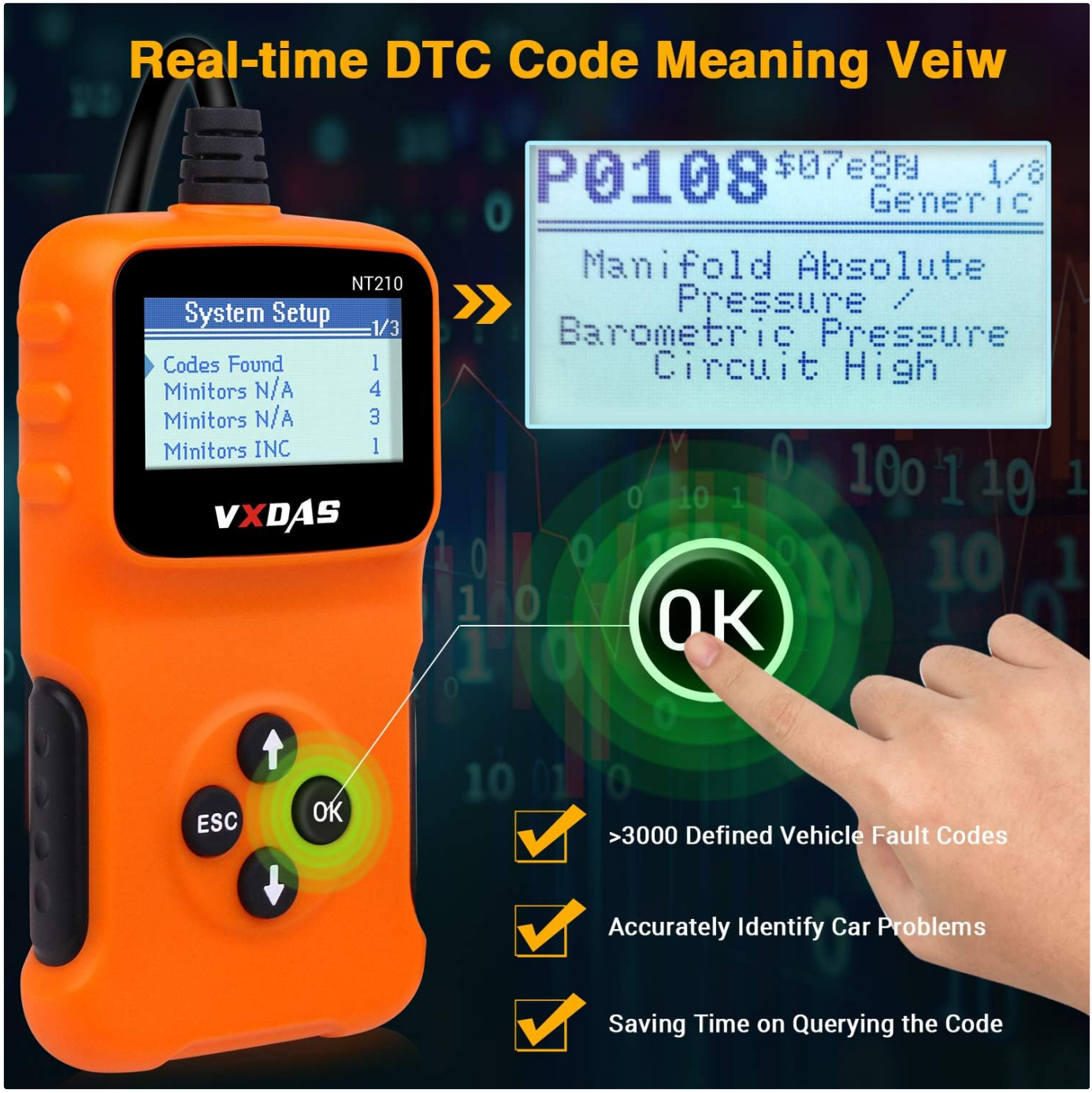

Figure 3: Real-time DTC code meaning view on the scanner display.

3. Setup

The VXDAS NT210 scanner is designed for simple plug-and-play operation. No batteries or external power supply are required as the device draws power directly from the vehicle's OBD2 port.

1. **Locate the OBD2 Port:** The 16-pin OBD2 diagnostic link connector (DLC) is typically located under the dashboard on the driver's side of the vehicle. Refer to your vehicle's owner's manual if you have difficulty locating it.
2. **Connect the Scanner:** Firmly plug the NT210's 16-pin connector into the vehicle's OBD2 DLC. Ensure a secure connection.
3. **Turn On Ignition:** Turn the vehicle's ignition to the "ON" position (engine off). The scanner will automatically power on and begin linking to the vehicle.

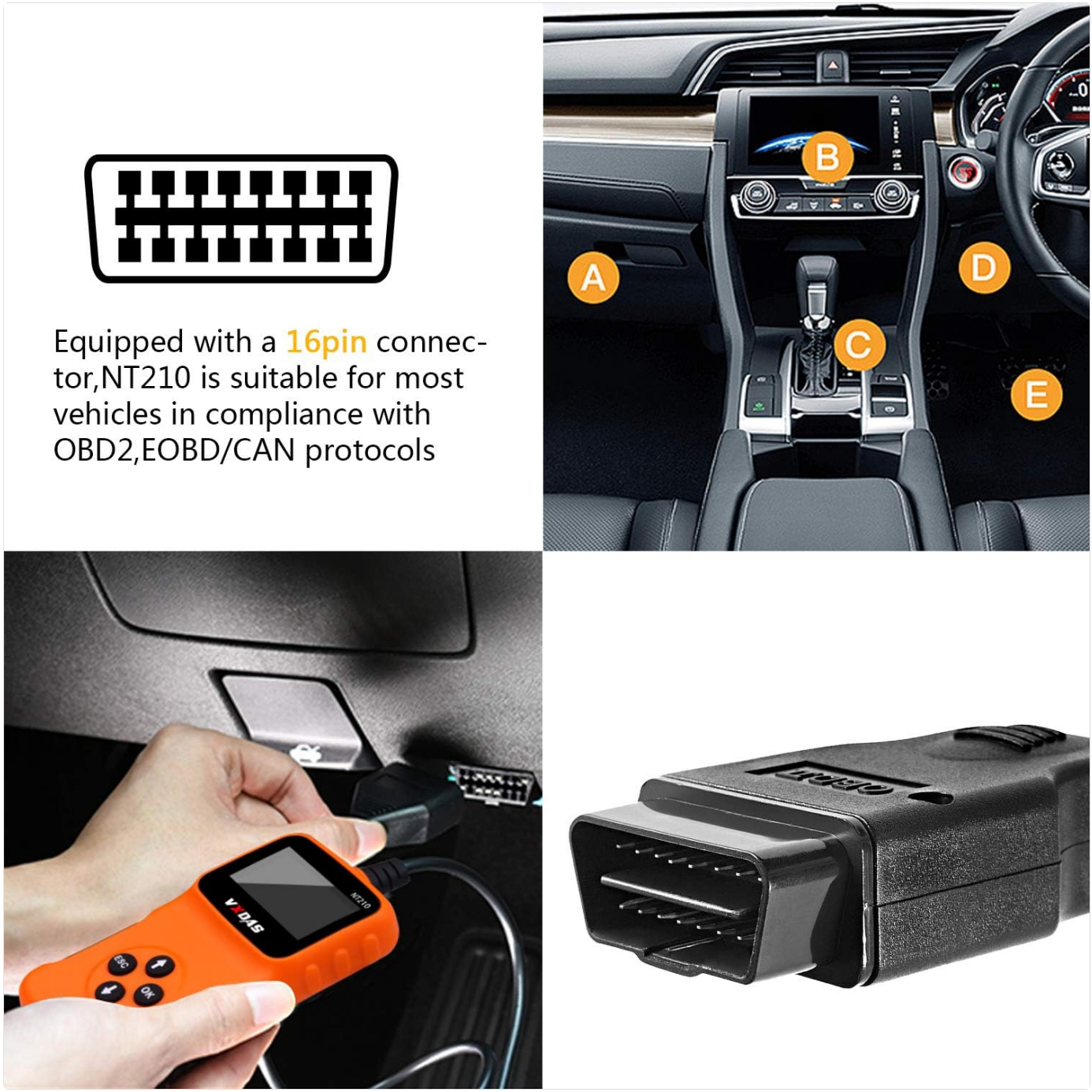

Figure 4: Illustration of the OBD2 port and connector.

4. Operating Instructions

Once connected and powered on, the NT210 scanner will display a diagnostic menu. Use the **UP**, **DOWN**, **ESC**, and **OK** buttons to navigate and select options.

4.1. Reading and Clearing Trouble Codes

This function allows you to identify why your Check Engine Light (MIL) is on and to turn it off after necessary repairs.

1. From the main menu, select **"Read Codes"** to view current, pending, and permanent Diagnostic Trouble Codes (DTCs). The scanner will display the code and its definition.
2. After addressing the underlying issue, select **"Erase Codes"** from the main menu. Confirm your selection to clear the codes and turn off the Check Engine Light. Note that some fault codes require the underlying issue to be repaired before they can be permanently cleared.

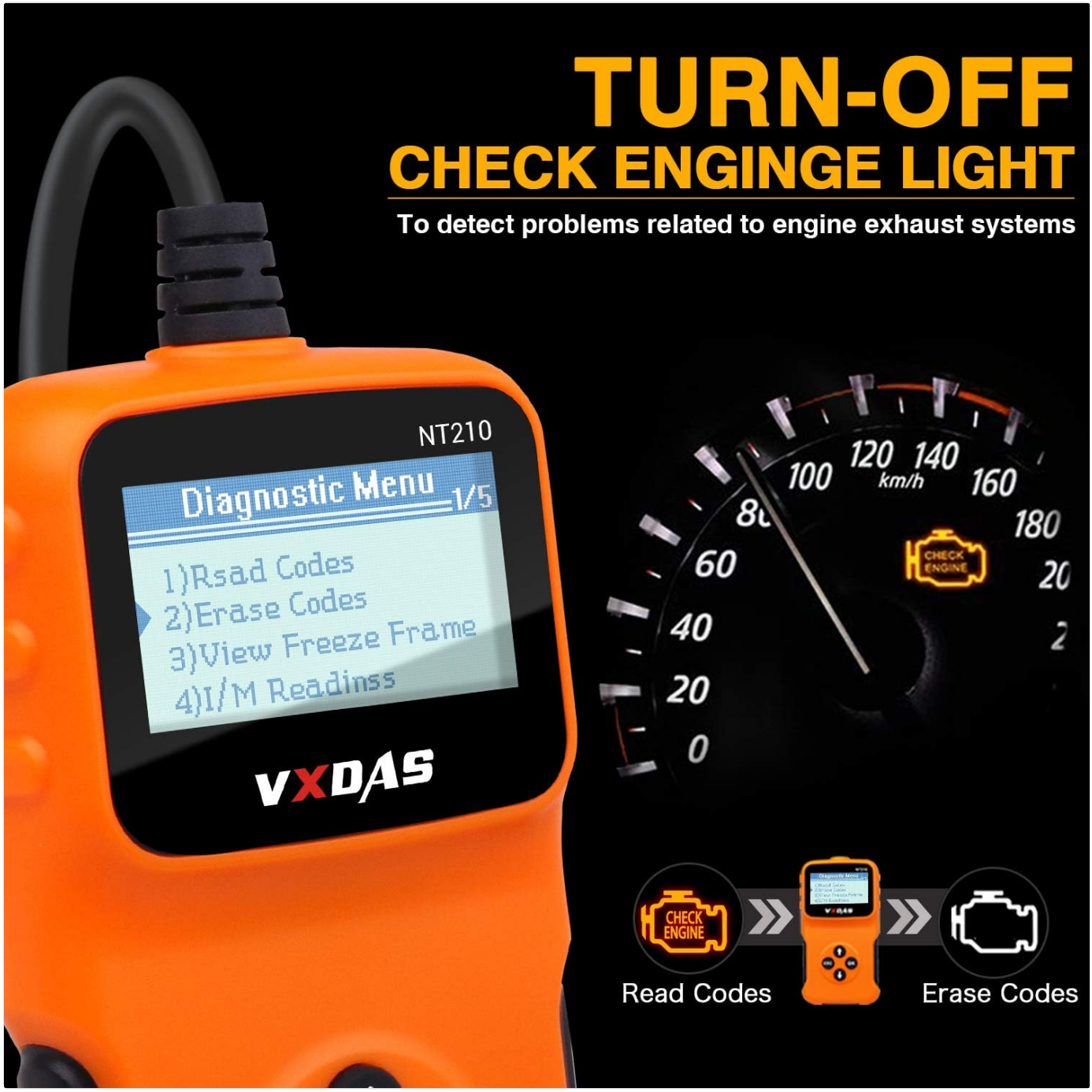

Figure 5: Using the scanner to read and erase check engine light codes.

4.2. I/M Readiness Mode

The I/M Readiness function helps you determine if your vehicle is ready for an emissions test by checking the status of various emission-related monitors.

1. Select **"I/M Readiness"** from the diagnostic menu.
2. The scanner will display the status of different monitors (e.g., MIL Status, Misfire Monitor, Fuel System Monitor, Catalyst Monitor). "OK" indicates the monitor has completed its diagnostic cycle, "INC" indicates incomplete, and "N/A" indicates not applicable.

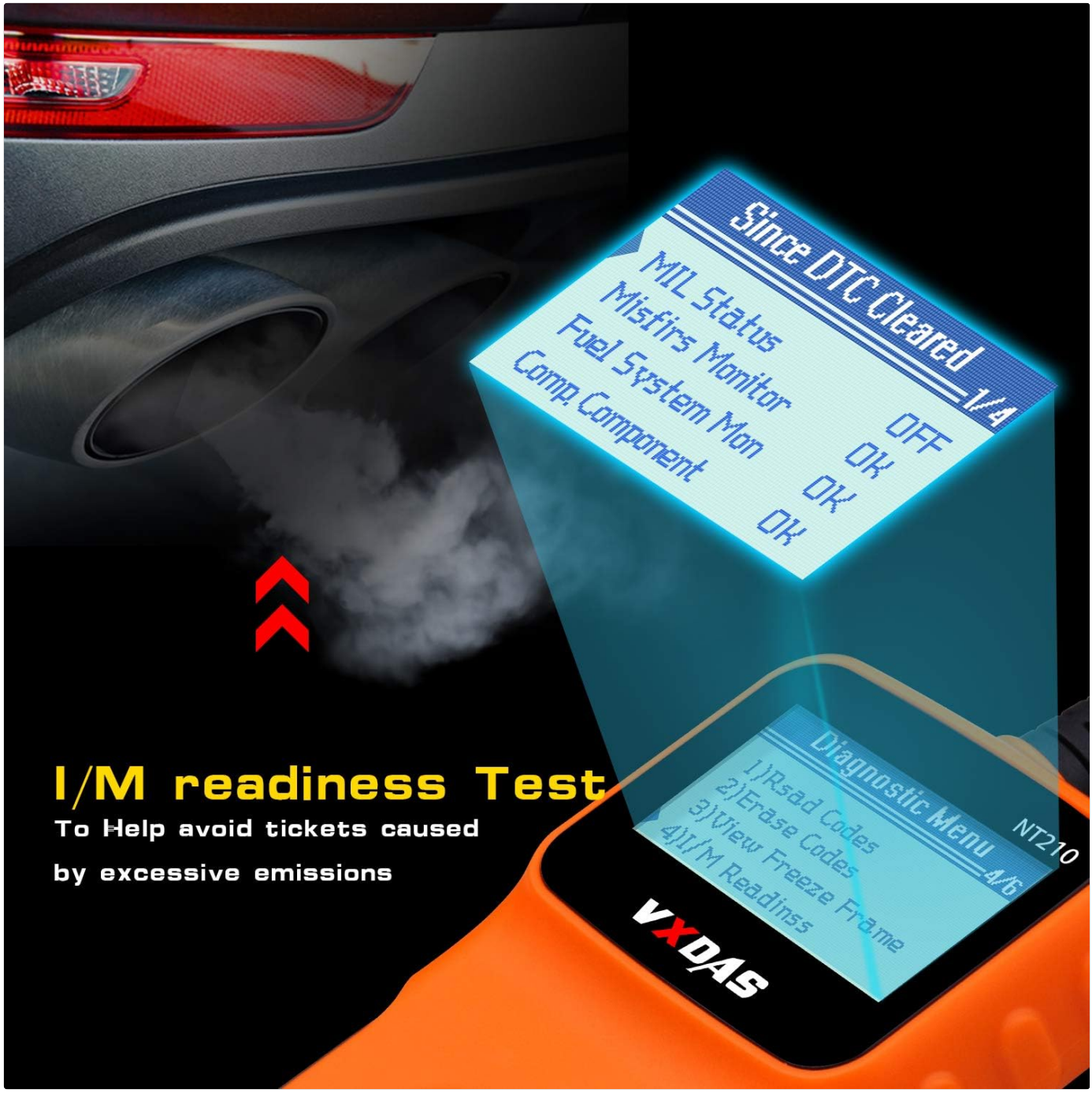

Figure 6: I/M Readiness test results for emission checks.

4.3. Viewing Freeze Frame Data

Freeze Frame Data captures a snapshot of critical vehicle operating conditions at the moment a fault code is set. This data can help in diagnosing intermittent problems.

1. Select **"View Freeze Frame"** from the diagnostic menu.
2. The scanner will display various parameters such as engine speed, airflow, fuel pressure, and other relevant data recorded when the fault occurred.

4.4. Retrieving Vehicle Information (VIN)

This function allows you to retrieve important vehicle identification information.

1. Select **"Vehicle Info."** from the diagnostic menu.
2. The scanner will display the Vehicle Identification Number (VIN), Calibration ID (CALID), and Calibration Verification Number (CVN), which are useful for accurate vehicle identification and when purchasing a used car.

4.5. Video Demonstration

Watch this official video for a visual guide on how to use the VXDAS NT210 OBD2 Scanner's various functions, including reading and clearing codes, checking I/M readiness, and accessing vehicle information.

Your browser does not support the video tag.

Video 1: Demonstration of VXDAS NT210 OBD2 Scanner features and usage.

5. Maintenance

To ensure the longevity and optimal performance of your VXDAS NT210 OBD2 Scanner, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid using abrasive cleaners or solvents that could damage the casing or screen.
- **Storage:** Store the scanner in a cool, dry place away from direct sunlight, extreme temperatures, and excessive moisture. Keep it in its original packaging or a protective case when not in use to prevent physical damage.
- **Cable Care:** Do not pull on the cable to disconnect the scanner from the vehicle. Always grasp the connector itself. Avoid bending or kinking the cable excessively.

6. Troubleshooting

The VXDAS NT210 is designed for reliable operation. If you encounter issues, consider the following general troubleshooting steps:

- **No Power/Display:** Ensure the OBD2 connector is firmly seated in the vehicle's DLC. Verify that the vehicle's ignition is in the "ON" position. Check the vehicle's fuse for the OBD2 port if the issue persists.
- **Linking Error:** If the scanner displays a "Linking Error" or fails to connect, ensure your vehicle is OBD2 compliant (most 1996 US-based, 2000 EU-based, and newer vehicles). Try disconnecting and reconnecting the scanner.
- **Codes Not Clearing:** If codes do not clear after attempting to erase them, it indicates that the underlying fault is still present. The scanner can only clear codes once the issue causing them has been resolved. Address the vehicle's mechanical or electrical problem first.
- **Incorrect Readings:** Ensure the scanner's language and unit of measurement settings are configured correctly (refer to Operating Instructions).

For more complex issues or specific fault codes, it is recommended to consult a qualified automotive technician.

7. Specifications

Feature	Detail
Model Number	VXDAS-NT210
Item Weight	7.4 ounces

Country of Origin	China
Display	Backlight, 128 x 64 pixel LCD display
Energy Consumption	0.6W
Operating Current	40~50mA
Operating Voltage	9~16V (supplied by car battery)
Connectivity	16-pin OBD2 connector
Supported Protocols	OBD2/CAN

8. Warranty and Support

VXDAS is committed to providing quality products and customer satisfaction. While specific warranty details are not provided in this manual, the manufacturer offers technical support for any questions or concerns you may have regarding the VXDAS NT210 OBD2 Scanner.

For technical assistance, inquiries about compatibility, or any other support needs, please feel free to contact VXDAS via email, Q&A sections on official product pages, or through the hotline available on their official website. Ensure you have your product model number (VXDAS-NT210) ready when contacting support.

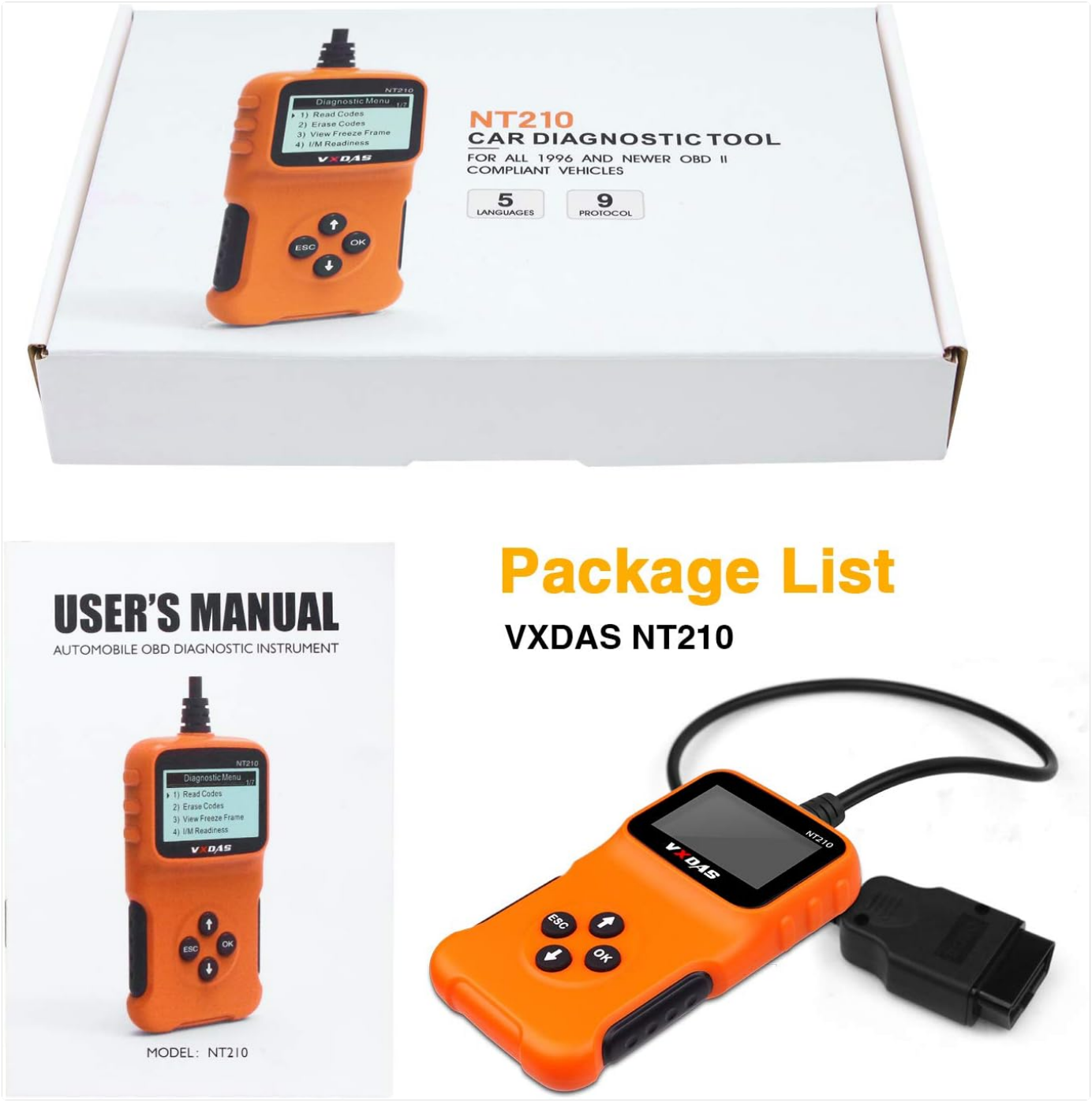

Figure 7: The VXDAS NT210 package includes the scanner and user's manual.

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