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KONNWEI KW340

KONNWEI KW340 OBD2 Scanner User Manual

Your guide to operating and maintaining your KONNWEI KW340 OBD2 Scanner.

1. Introduction

The KONNWEI KW340 is a professional-grade OBDII diagnostic tool designed to quickly read and clear error codes, monitor engine performance, and provide essential vehicle health information. This manual provides instructions for its proper use and maintenance.

2. Setup

2.1 Package Contents

Verify that your package contains the following items:

- 1 x KONNWEI KW340 OBD2 Scanner
- 1 x OBD2 Cable
- 1 x USB-C Line
- 1 x User Manual



Figure 2.1: Product packaging and included contents.

2.2 Connecting the Device

1. Locate the 16-pin Data Link Connector (DLC) in your vehicle. This is usually found under the dashboard on the driver's side.
2. Plug the OBD2 cable from the KW340 scanner into the vehicle's DLC port.
3. The scanner will power on automatically. No batteries or external power source are required as it draws power directly from the vehicle's OBDII port.

2.3 Initial Settings

Upon first use, or if you wish to change settings, navigate to the 'Settings' menu on the device. Here you can adjust:

- **Language:** Select your preferred language from the available options.
- **Unit of Measure:** Choose between Metric or Imperial units.
- **Theme:** Switch between Day Theme (bright background) and Night Theme (dark background) for optimal visibility in different lighting conditions.



Figure 2.2: Adjusting theme settings for day or night use.

3. Operating Instructions

The KONNWEI KW340 offers various diagnostic functions accessible via its user-friendly interface.

3.1 Reading and Clearing Trouble Codes

This function allows you to identify and clear Diagnostic Trouble Codes (DTCs) that trigger the Check Engine Light.

1. From the main menu, select 'Read Codes' to view current, pending, and permanent DTCs.
2. After addressing the identified issues, select 'Erase Codes' to turn off the Check Engine Light.**Note:** Ensure the underlying fault has been resolved before clearing codes to prevent immediate reoccurrence.

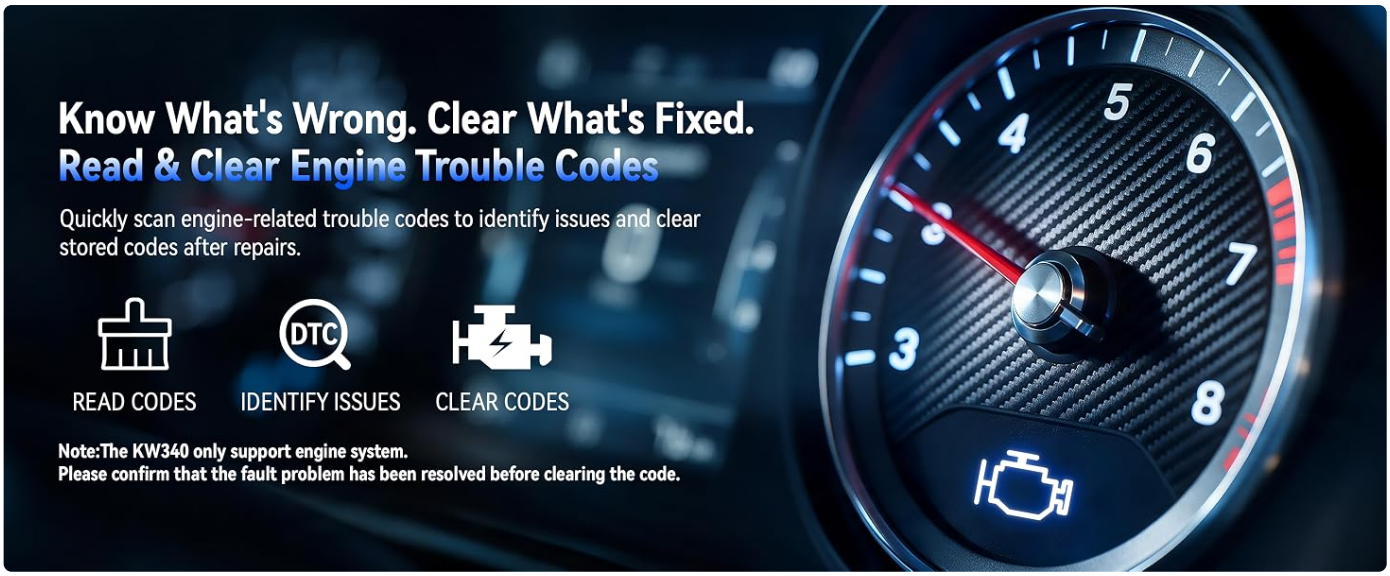


Figure 3.1: Interface for reading and clearing engine trouble codes.

3.2 Live Data Stream

Monitor various engine parameters in real-time to assess vehicle performance and diagnose intermittent issues.

1. Select 'Data Stream' from the main menu.
2. Choose the parameters you wish to monitor (e.g., Engine RPM, Coolant Temperature, O2 Sensor readings).
3. The data can be displayed numerically or graphically for easier analysis.



Figure 3.2: Real-time sensor data display for accurate diagnosis.

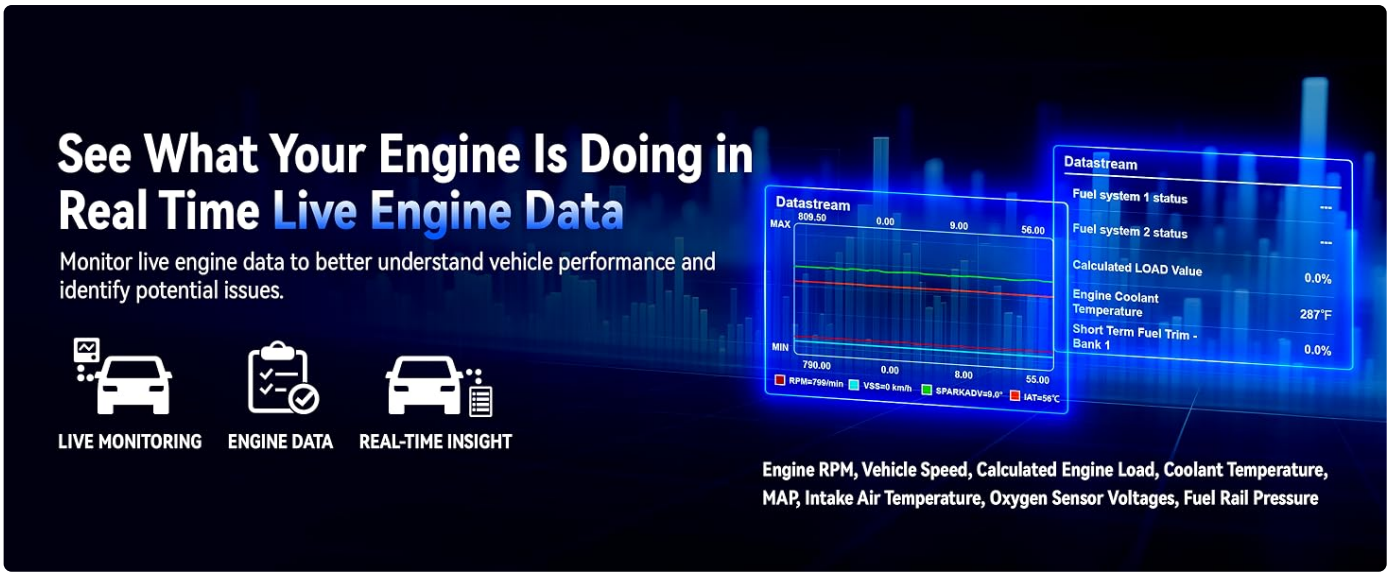


Figure 3.3: Monitoring live engine data for performance insights.

3.3 Battery Voltage Test

Perform a quick check of your vehicle's battery voltage to assess its health.

1. Select 'Battery Check' from the main menu.
2. Follow the on-screen prompts. The scanner will display the current battery voltage and provide an assessment (e.g., Normal, Low, High).



Figure 3.4: Detailed battery check results and interpretation.

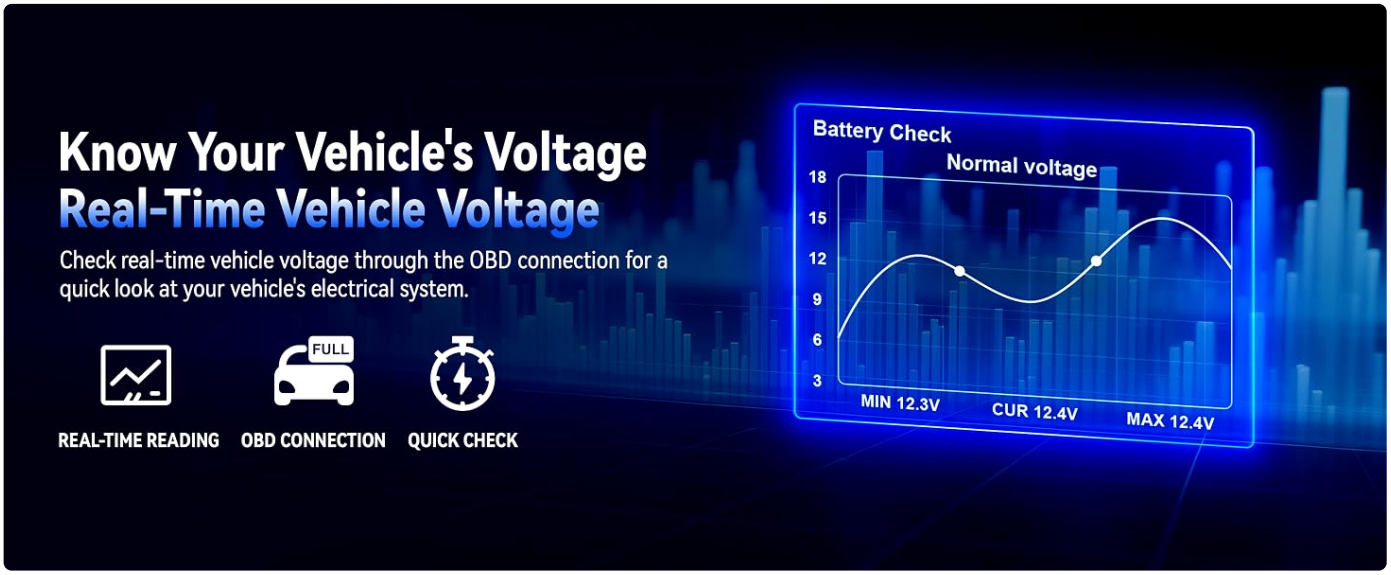


Figure 3.5: Real-time vehicle voltage display via OBD connection.

Your browser does not support the video tag.

Video 3.1: Demonstration of the KONNWEI KW340 OBD2 Scanner's features, including battery check and code reading.

3.4 I/M Readiness

Check the status of your vehicle's emission-related monitoring systems to determine if it's ready for an emissions test.

1. Select 'I/M Readiness' from the main menu.
2. The scanner will display the status of various monitors (e.g., MIL, Misfire, Fuel System). 'OK' indicates the monitor has completed its diagnostic cycle, while 'INC' (Incomplete) means it has not.



Figure 3.6: Displaying I/M Readiness Monitor Status for emissions testing.

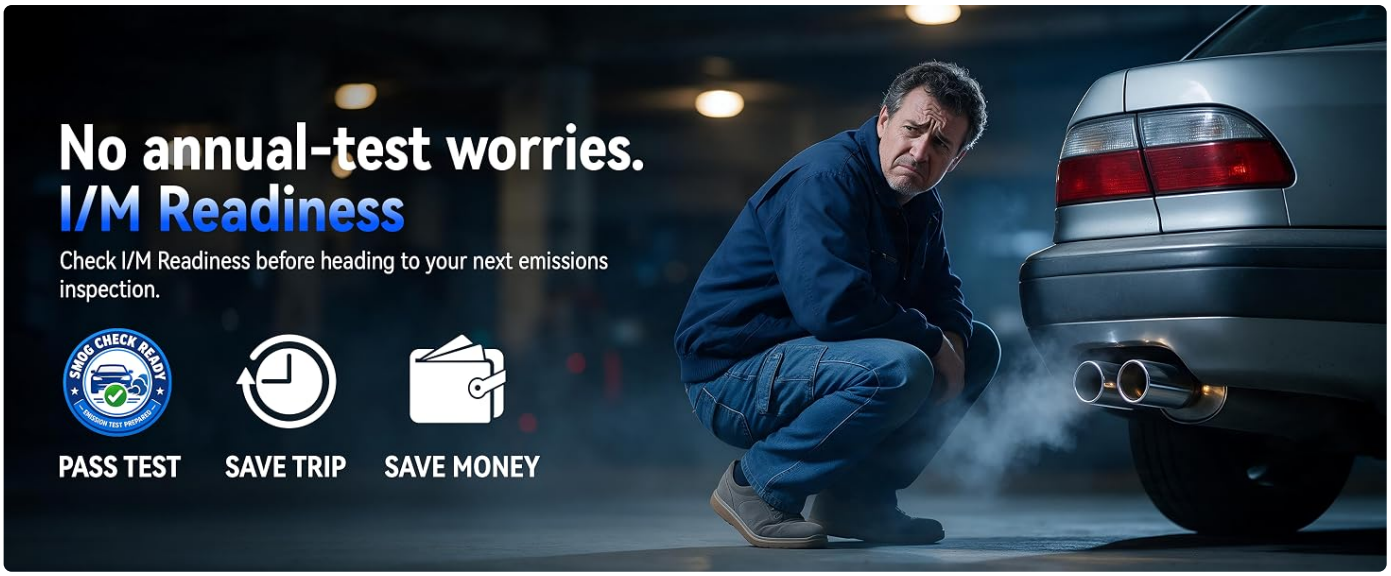


Figure 3.7: Checking I/M Readiness to prepare for emissions inspections.

3.5 DTC Lookup

Quickly look up the definition of a Diagnostic Trouble Code (DTC) without needing an internet connection.

1. Select 'DTC Lookup' from the main menu.
2. Enter the 5-character DTC using the navigation buttons.
3. The scanner will display a detailed description of the code.



Figure 3.8: Instant DTC code definitions displayed on the scanner.

3.6 EVAP System Test

Initiate a test of the Evaporative Emission Control System (EVAP) to check for leaks or other issues.

1. Select 'EVAP Leak Test' from the main menu.
2. Follow the on-screen instructions to perform the test.



Figure 3.9: Performing an EVAP system test to detect potential leaks.

3.7 O2 Sensor Test

Monitor the functionality of the oxygen sensors in your vehicle.

1. Select 'O2 Sensor Test' from the main menu.
2. View the oxygen sensor data to evaluate their performance.

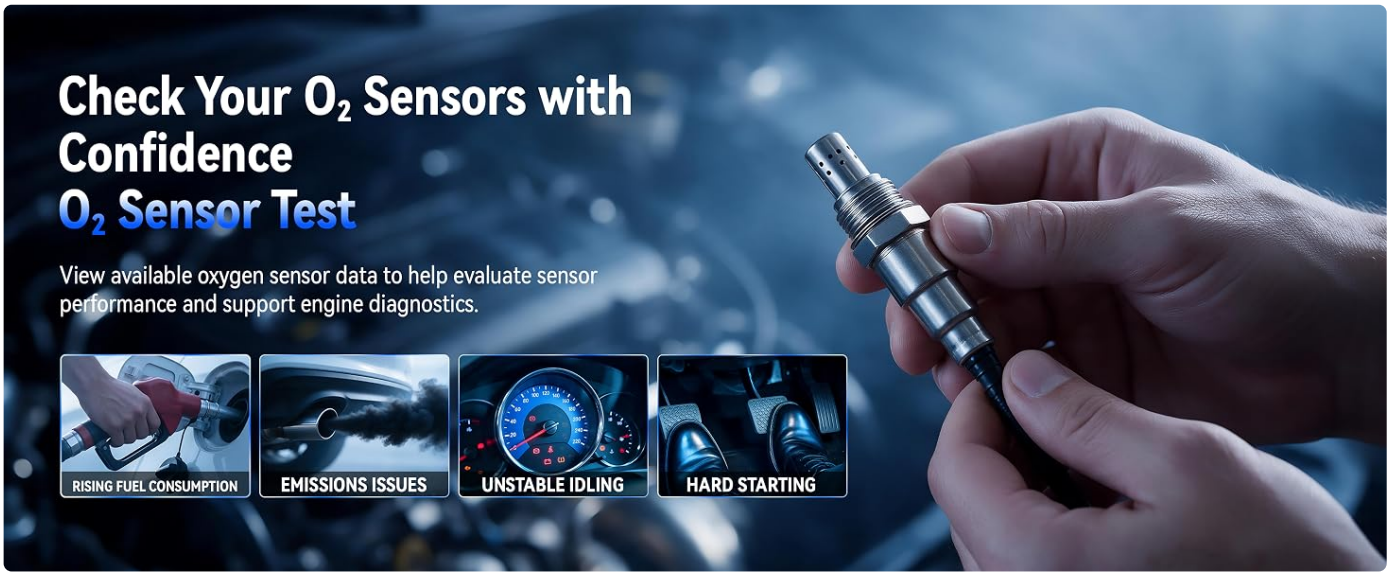


Figure 3.10: Checking O2 sensors for proper function and engine diagnostics.

3.8 Vehicle Information

Retrieve important vehicle information such as Vehicle Identification Number (VIN), Calibration ID (CIN), and Calibration Verification Number (CVN).

1. Select 'Vehicle Info' from the main menu.
2. The scanner will display the available vehicle information.

4. Maintenance

4.1 Software Updates

The KONNWEI KW340 offers lifetime free software updates to ensure compatibility with new vehicles and to improve

functionality. Follow these steps to update your device:

1. Press and hold any button on the scanner until the USB cable is connected to your computer. Release the button when the scanner displays "Update Mode".
2. Visit the official KONNWEI website (www.itoscanner.com/download/) and download the update tool compatible with your computer's operating system (Windows 7/8/10/XP). Mac computers are not supported for updates.
3. Open the downloaded program and click "Check Updates" to automatically update the scanner.



Figure 4.1: Steps for performing a lifetime free software update.

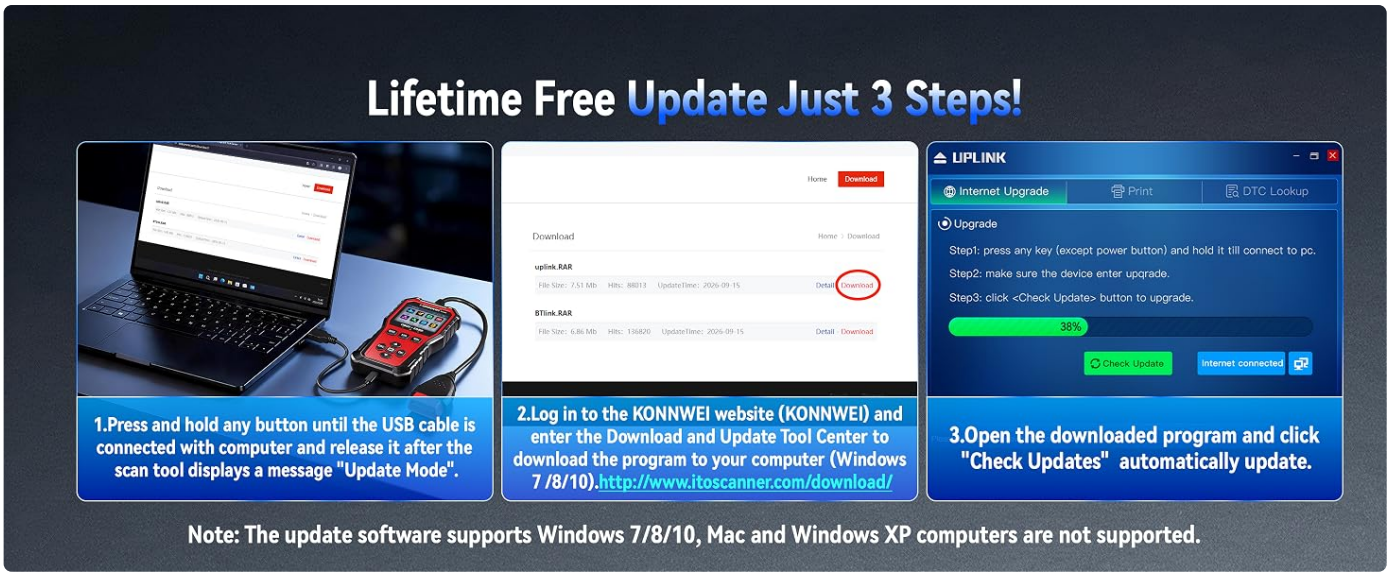


Figure 4.2: Visual guide to the software update process.

4.2 Cleaning

To clean the scanner, use a soft, damp cloth. Do not use abrasive cleaners or solvents. Keep the device free from dust and moisture.

5. Troubleshooting

- **Scanner does not power on:** Ensure the OBD2 cable is securely connected to the vehicle's DLC port. Verify the vehicle's ignition is on (or in the 'ACC' position).
- **Communication error:** Check the vehicle's ignition status. Ensure the OBD2 cable is not damaged and is properly connected. Verify your vehicle is OBDII compliant (1996 and newer for US vehicles, 2000 for EU, 2008 for Asian).
- **Check Engine Light remains on after clearing codes:** This indicates the underlying fault has not been resolved. Address the vehicle issue before attempting to clear codes again.
- **Screen is dim or unreadable:** Adjust the screen brightness or switch between Day/Night themes in the 'Settings' menu.

6. Specifications

Feature	Specification
Brand	KONNWEI
Model Number	XT-KW340
Power Source	Corded Electric (via OBDII port)
Product Dimensions	6.46"L x 3.39"W x 0.94"H
Operating System	Linux
Screen Size	2.8 inches
Item Weight	8.11 ounces
Automotive Fit Type	Universal Fit

7. Vehicle Compatibility

The KONNWEI KW340 is compatible with most 12V vehicles that are OBDII compliant. This includes:

- **US-Based Cars:** All 1996 and newer vehicles.
- **EU-Based Cars:** All 2000 and newer vehicles.
- **Asian-Based Cars:** All 2008 and newer vehicles.

Supported vehicle types include cars, SUVs, light trucks, minivans, sedans, wagons, hatchbacks, coupes, sport/supercars, pickups, 4WD, and mini trucks.
For specific compatibility questions, please send your vehicle's VIN to customer service before purchase.

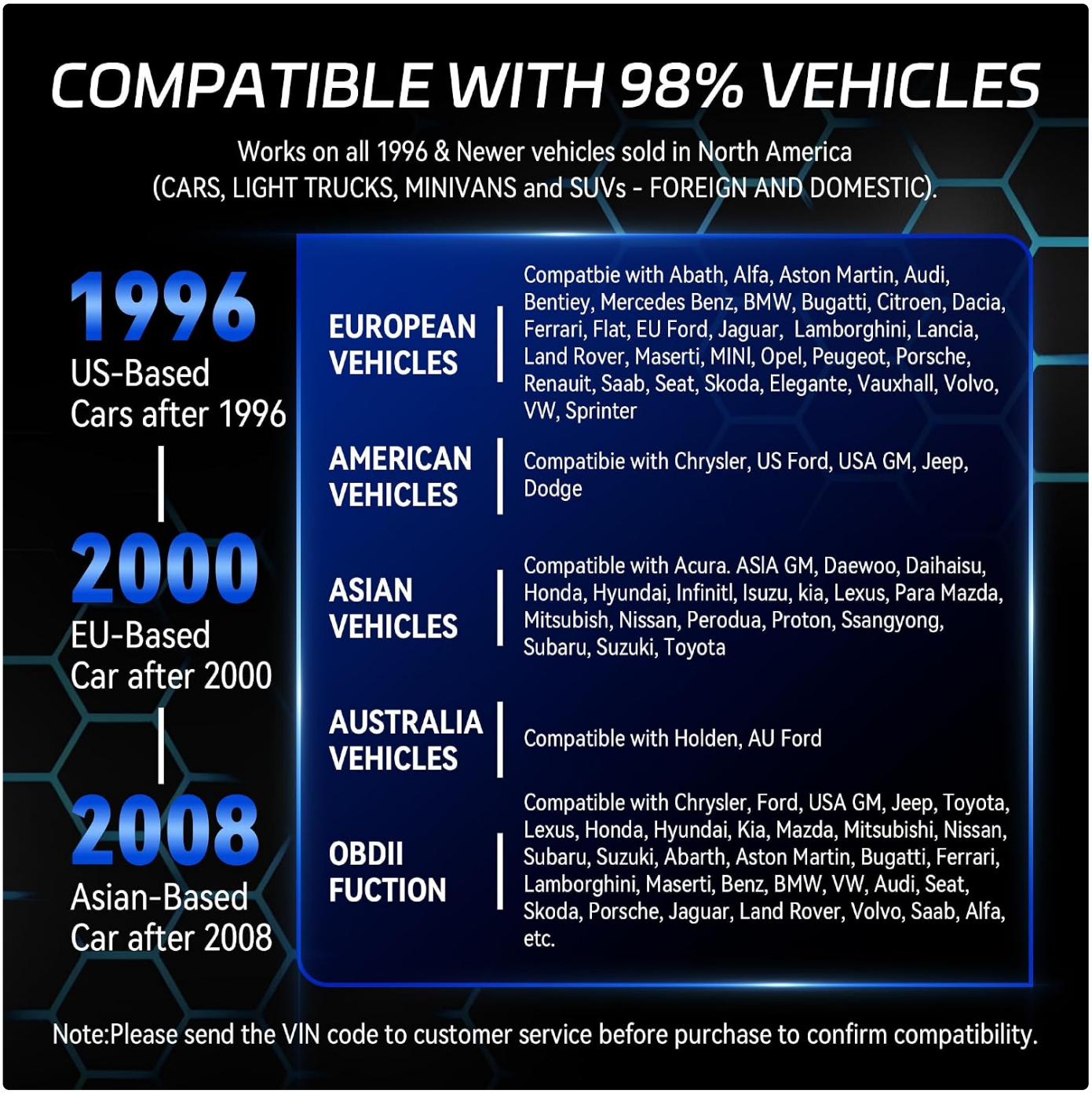


Figure 7.1: Broad vehicle compatibility for the KW340 scanner.



Figure 7.2: Overview of vehicle types and multilingual support.

8. Warranty and Support

8.1 Warranty Information

The KONNWEI KW340 OBD2 Scanner comes with a**1-Year Manufacturer Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or neglect.

8.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your KONNWEI KW340, please contact KONNWEI customer support. Refer to the contact information provided in your product packaging or visit the official KONNWEI website for support options.



Figure 8.1: KONNWEI offers 24-hour customer support.

9. Safety Information

- Always perform automotive repairs in a safe environment.
- Do not operate the scanner while driving.
- Ensure the vehicle is parked on a level surface with the parking brake engaged.
- Wear appropriate safety gear, such as eye protection.
- Keep the scanner away from water, oil, and extreme temperatures.

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Details

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

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