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KONNWEI KW310

Konnwei KW310 OBD2/EOBD CAN Car Diagnostic Scanner User Manual

1. INTRODUCTION

The Konnwei KW310 is a compact and user-friendly OBD2/EOBD CAN car diagnostic scanner designed to quickly read and clear engine fault codes. This device helps users identify and resolve common vehicle issues, turn off the Check Engine Light (MIL), and monitor various vehicle systems. It is suitable for both automotive professionals and home users seeking to understand their vehicle's status.

2. PRODUCT OVERVIEW

The Konnwei KW310 features a clear LCD screen, intuitive navigation buttons, and a durable design. It connects directly to your vehicle's OBD2 port for power and data transfer.



Figure 1: Konnwei KW310 OBD2 scanner with its retail packaging and included user manuals.

Package Contents:

- Konnwei KW310 OBD2 Scanner Unit
- Integrated OBD2 Cable
- User Manual

3. KEY FEATURES

- **Plug and Play Operation:** Quickly reads and clears engine fault codes, turning off the Check Engine

Light (MIL).

- **Extensive Vehicle Coverage:** Compatible with most 1996 and newer US-based vehicles, 2003 and newer European vehicles, and 2006 and newer Asian vehicles that support OBD II and CAN protocols. Supports 12V gasoline and diesel vehicles. *Note: Not compatible with hybrid or electric vehicles.*
- **Multifunction OBD2 Scanner:** Includes a built-in DTC lookup library, freeze frame data display, live PCM data stream reading, on-board monitoring, I/M readiness status, O2 sensor test, EVAP system test, and vehicle information retrieval (VIN, CIN, CVN).
- **Multilingual Support:** Supports English, French, German, Dutch, Spanish, Russian, and Portuguese.
- **Portable Design:** Compact, anti-slip design with a large LCD screen and four logical buttons for easy operation. No battery required; powered directly from the vehicle's OBD2 port.

4. VEHICLE COMPATIBILITY

The KW310 scanner is designed to work with a wide range of vehicles. Ensure your vehicle is OBD II compliant for proper functionality.

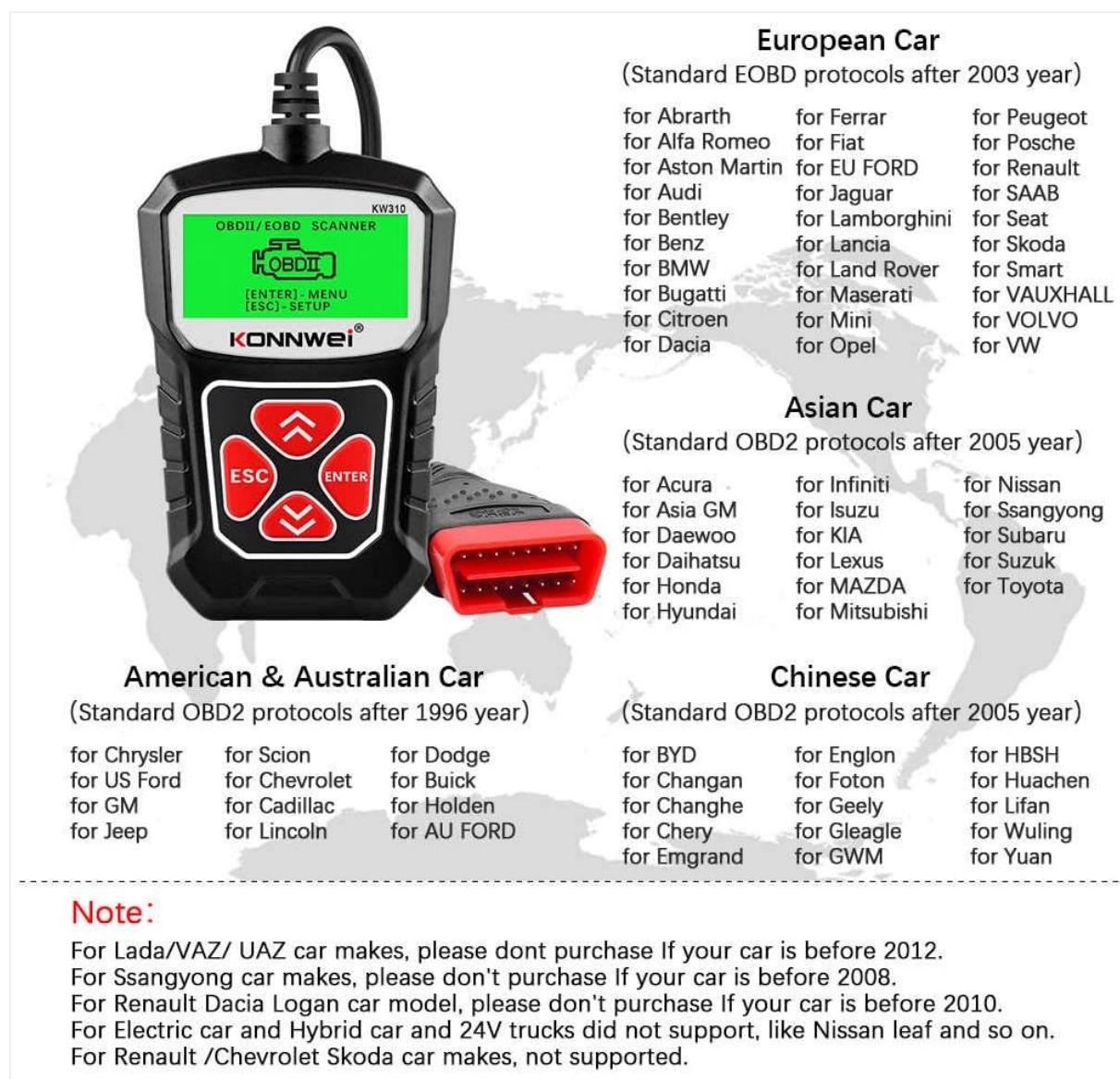


Figure 2: Vehicle compatibility chart for the Konnwei KW310, showing supported manufacturers by region and year.

General Compatibility Guidelines:

- **American & Australian Cars:** Standard OBD2 protocols after 1996.
- **European Cars:** Standard EOBD protocols after 2003.
- **Asian Cars:** Standard OBD2 protocols after 2005.
- **Chinese Cars:** Standard OBD2 protocols after 2005.

Important Notes:

- Does not work on hybrid or electric vehicles.
- For Lada/VAZ/UAZ car makes, do not purchase if your car is before 2012.
- For Ssangyong car makes, do not purchase if your car is before 2008.
- For Renault Dacia Logan car model, do not purchase if your car is before 2010.
- Electric car and Hybrid car and 24V trucks did not support, like Nissan Leaf and so on.
- Renault/Chevrolet Skoda car makes are not supported.

5. SETUP AND CONNECTION

1. **Locate the OBD2 Port:** The OBD2 port is typically located under the dashboard on the driver's side, often near the steering column. Refer to your vehicle's owner's manual if you cannot find it.
2. **Connect the Scanner:** With the vehicle's ignition off, firmly plug the KW310's OBD2 connector into the vehicle's OBD2 port.
3. **Power On:** Turn the vehicle's ignition to the "ON" position (do not start the engine unless instructed by a specific diagnostic procedure). The scanner will power on automatically.
4. **Language Selection:** If this is the first use, or if you wish to change the language, navigate to the "System Setup" menu and select "Language".

6. OPERATING INSTRUCTIONS

The KW310 features a simple menu-driven interface. Use the **UP** and **DOWN** arrow buttons to navigate through menu options, the **ENTER** button to confirm a selection, and the **ESC** button to return to the previous screen.

Function Display:

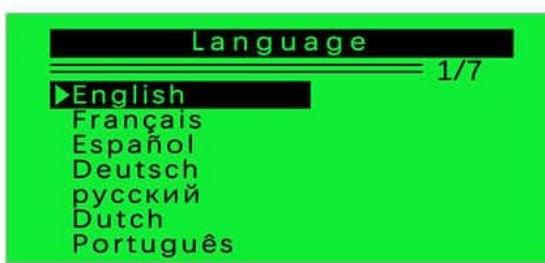
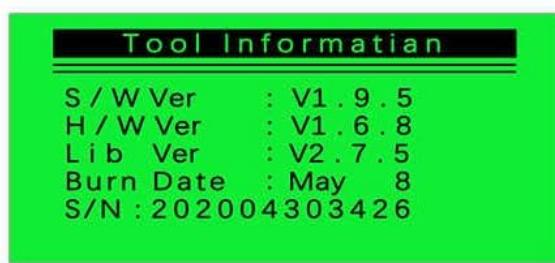
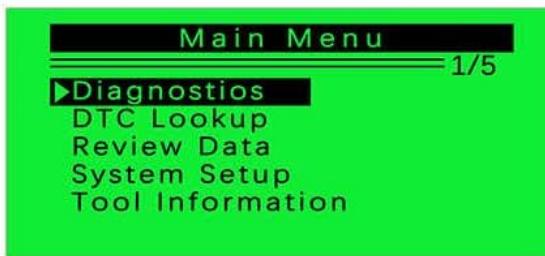


Figure 3: Display of the main menu and diagnostic options on the KW310 scanner.

Main Menu Options:

- **Diagnostics:** Accesses the primary diagnostic functions.
- **DTC Lookup:** Allows searching for Diagnostic Trouble Code definitions.
- **Review Data:** Views previously stored diagnostic data.
- **System Setup:** Configures scanner settings such as language.
- **Tool Information:** Displays device software/hardware version and serial number.

7. DIAGNOSTIC FUNCTIONS

From the "Diagnostics" menu, you can access:

- **Read Codes:** Displays current, pending, and permanent Diagnostic Trouble Codes (DTCs).
- **Erase Codes:** Clears DTCs from the vehicle's computer and turns off the Check Engine Light (MIL).
Note: Clearing codes does not fix the underlying problem. Address the issue before clearing codes to prevent recurrence.
- **Live Data:** Shows real-time data from the vehicle's sensors, such as engine RPM, vehicle speed, oxygen sensor readings, and coolant temperature.

- **View Freeze Frame:** Captures a snapshot of vehicle operating conditions at the moment a fault code was set.
- **I/M Readiness:** Checks the status of emission-related monitors to determine if the vehicle is ready for an emissions test.
- **O2 Monitor Test:** Retrieves O2 sensor monitor test results.
- **On-Board Mon. Test:** Retrieves test results for emission-related powertrain components and systems that are not continuously monitored.
- **Component Test:** Allows initiation of a leak test for the EVAP system.
- **Vehicle Info:** Retrieves Vehicle Identification Number (VIN), Calibration ID (CIN), and Calibration Verification Number (CVN).
- **Unit of Measure:** Changes the units for displayed data (e.g., Celsius/Fahrenheit).

8. MULTILINGUAL SUPPORT

The Konnwei KW310 supports multiple languages for user convenience. You can change the language setting through the "System Setup" menu.



Figure 4: The KW310 scanner showing the available language options.

Supported Languages:

- English
- French
- German
- Dutch
- Spanish
- Russian
- Portuguese

9. SPECIFICATIONS

Feature	Detail
Model Number	KW310
Brand	KONNWEI
Display Screen Size	2 inches
Power Source	Vehicle OBD2 port (12V)
Supported Protocols	OBDII, EOBD, CAN
Product Weight	200 grams
Package Dimensions	14.8 x 8.4 x 5.4 cm

10. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the scanner in a clean, dry environment away from extreme temperatures and direct sunlight.
- **Cable Care:** Avoid bending or twisting the OBD2 cable excessively to prevent damage.
- **Software Updates:** The KW310 typically does not require user-initiated software updates. Refer to the manufacturer's website for any specific instructions regarding firmware.

11. TROUBLESHOOTING

Problem	Possible Cause / Solution
Scanner does not power on.	<ul style="list-style-type: none">◦ Ensure the OBD2 cable is securely connected to the vehicle's OBD2 port.◦ Verify the vehicle's ignition is in the "ON" position.◦ Check the vehicle's fuse for the OBD2 port (consult your vehicle's manual).

Problem	Possible Cause / Solution
"Link Error" or "Communication Error" message.	<ul style="list-style-type: none"> ◦ Confirm the vehicle is OBD II compliant and manufactured within the supported years. ◦ Ensure the ignition is "ON" and the engine is off (unless testing live data). ◦ Check for loose connections at the OBD2 port. ◦ Try the scanner on another compatible vehicle to rule out a scanner issue.
Cannot clear codes.	<ul style="list-style-type: none"> ◦ The underlying fault may still be present. Codes will reappear if the issue is not resolved. ◦ Ensure the ignition is "ON" and the engine is off.
Incorrect language displayed.	<ul style="list-style-type: none"> ◦ Navigate to "System Setup" > "Language" and select your preferred language.

12. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official KONNWEI website. Keep your purchase receipt as proof of purchase for any warranty claims.