

[Manuals.plus](#) /

› [KONNWEI](#) /

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KONNWEI KW902

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Model: KW902

1. INTRODUCTION

The Konnwei KW902 is a versatile Bluetooth OBD2 diagnostic scanner designed to help you understand and manage your vehicle's engine system. This device allows for quick reading and clearing of engine fault codes, enabling you to turn off the Check Engine Light (MIL) and identify potential issues with ease. Its user-friendly design ensures that even beginners can effectively diagnose car engine problems.

The KW902 operates wirelessly via Bluetooth, offering convenience and flexibility. It features an automatic shut-off function, entering a sleep mode after 30 minutes of inactivity, conserving power and eliminating the need for constant unplugging. Simply press the switch to reactivate the device for your next diagnostic session.



Image: The Konnwei KW902 Bluetooth OBD2 Scanner, an orange compact device with a black OBD-II connector. It features indicator lights for Power, OBD, and Bluetooth connectivity.

2. PRODUCT FEATURES

- **Engine Code Reading and Clearing:** Quickly reads and clears diagnostic trouble codes (DTCs) from the engine control unit (ECU).
- **Check Engine Light (MIL) Turn-off:** Resets the Malfunction Indicator Lamp after issues are resolved.
- **Live Sensor Data Display:** View real-time sensor data in graphical format, including:
 - Engine RPM and Vehicle Speed
 - Calculated Load Value
 - Coolant Temperature
 - Fuel System Status
 - Short and Long Term Fuel Trim
 - Intake Manifold Pressure
 - Intake Air Temperature
 - Air Flow Rate
 - Timing Advance
 - Absolute Throttle Position
- **Automatic Shut-off:** Device automatically powers down after 30 minutes of inactivity.
- **Wide Protocol Support:** Compatible with all standard OBD-II protocols.
- **Durable Construction:** Made from premium ABS plastic.
- **Safety Certified:** FCC/CE/ROHS certified.



Image: Visual representation of the Konnwei KW902's key features, including detection of fault codes, check engine light status, current sensor data display, and vehicle real-time information.

3. SETUP AND CONNECTION

1. **Locate OBD-II Port:** Identify your vehicle's OBD-II diagnostic port, typically located under the dashboard on the driver's side.
2. **Plug in the Scanner:** Firmly insert the Konnwei KW902 into the OBD-II port. The device will power on automatically.
3. **Enable Bluetooth:** On your Android phone, tablet, or Windows PC, ensure Bluetooth is enabled.
4. **Pair the Device:** Search for available Bluetooth devices and select "OBDII" or "KW902". The default pairing password is **1234**.
5. **Install/Open Software:** Download and install a compatible OBD-II diagnostic application (e.g., Torque for Android, or other suitable software for Windows).
6. **Configure Software:** Within the application settings, select the Konnwei KW902 (or the paired Bluetooth device) as

your OBD-II adapter. The software should then automatically connect and begin reading data.



Image: A visual guide illustrating the connection process: the KW902 plugs into the car's OBD-II port, and then establishes a Bluetooth connection with a smartphone, showing the pairing screen.



Image: This image displays the operating system compatibility of the Konnwei KW902. It is compatible with Android and PC, indicated by green checkmarks, but not compatible with iOS, indicated by a red 'X'.

4. OPERATING INSTRUCTIONS

Once the Konnwei KW902 is successfully connected to your vehicle and paired with your device, you can begin using the diagnostic software to access various vehicle parameters.

4.1. Reading and Clearing Fault Codes

- Navigate to the "Read Codes" or "DTCs" section within your diagnostic application.
- The scanner will retrieve any stored diagnostic trouble codes. Each code will typically have a description explaining the potential issue.
- To clear codes and turn off the Check Engine Light, select the "Clear Codes" or "Erase DTCs" option. Ensure you have addressed the underlying issue before clearing codes, as they may reappear if the problem persists.

4.2. Viewing Live Data

- Access the "Live Data" or "Sensor Data" section of your application.

- You can monitor various real-time parameters of your vehicle's engine, such as RPM, speed, temperatures, and fuel trims. This data can be crucial for diagnosing intermittent issues or monitoring vehicle performance.
- Many applications allow you to graph these parameters over time for better analysis.

4.3. Supported OBD-II Protocols

The Konnwei KW902 supports the following standard OBD-II communication protocols:

- ISO15765-4 (CAN)
- ISO14230-4 (KWP2000)
- ISO9141-2
- J1850 VPW
- J1850 PWM

5. MAINTENANCE

The Konnwei KW902 is designed for durability and requires minimal maintenance.

- **Cleaning:** Wipe the device with a soft, dry cloth to remove dust or debris. Avoid using harsh chemicals or abrasive cleaners.
- **Storage:** When not in use, store the scanner in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Automatic Shut-off:** The device's automatic shut-off feature helps conserve power and prolong its lifespan by entering a sleep mode after 30 minutes of inactivity.

6. TROUBLESHOOTING

If you encounter issues while using your Konnwei KW902, refer to the following common troubleshooting steps:

- **Device Not Powering On:**
 - Ensure the scanner is firmly plugged into the vehicle's OBD-II port.
 - Verify that the vehicle's ignition is in the "ON" position (engine can be off).
- **Bluetooth Connection Issues:**
 - Confirm Bluetooth is enabled on your phone/tablet/PC.
 - Ensure the correct device ("OBDII" or "KW902") is selected for pairing.
 - Double-check the pairing password: **1234**.
 - Try unpairing and re-pairing the device.
 - Restart your phone/tablet/PC and the vehicle.
- **Application Not Connecting to Scanner:**
 - Verify that the scanner is selected as the adapter within your diagnostic application's settings.
 - Ensure the application is compatible with ELM327 Bluetooth adapters.
 - Try using a different compatible application to rule out software issues.
- **No Data or Incorrect Readings:**
 - Ensure your vehicle supports the OBD-II standard (most vehicles manufactured after 1996 in the US, and later in other regions).
 - Check if your vehicle's ignition is fully on (engine running for live data).
 - Some parameters may not be supported by all vehicles or applications.

- **Compatibility with Electric Vehicles:**

Important Note: This device is NOT compatible with electric vehicles. Attempting to use it with an electric vehicle may cause the device to malfunction and will void the warranty.

7. SPECIFICATIONS

Brand	KONNWEI
Model	KW902
Product Model Number	2b100304-obd2-kw902-blue
Connectivity	Bluetooth
Supported Protocols	ISO15765-4 (CAN), ISO14230-4 (KWP2000), ISO9141-2, J1850 VPW, J1850 PWM
Dimensions (L x W x H)	15 x 12 x 4 cm (approximately 5.9 x 4.7 x 1.6 inches)
Item Weight	0.12 kg (approximately 0.26 lbs)
Supported Operating Systems	Android, Windows PC
Certifications	FCC, CE, ROHS



Image: The Konnwei KW902 device with its dimensions labeled: approximately 2.32 inches in length, 1.02 inches in height, and 1.81 inches in width.

8. WARRANTY AND SUPPORT

Konnwei products are designed for reliability and performance. For specific warranty details, please refer to the documentation included with your purchase or contact the retailer.

Important Warranty Information: As noted in the troubleshooting section, using the Konnwei KW902 with electric vehicles is not supported and will void the product's warranty.

For technical support or further assistance, please contact Konnwei customer service or your authorized dealer. Keep your purchase receipt and product model number handy when seeking support.

