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## KONNWEI KW330

# KONNWEI KW330 OBD2 Diagnostic Scanner

User Manual

Model: KW330 | Brand: KONNWEI

## 1. INTRODUCTION

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The KONNWEI KW330 is an advanced OBD2 diagnostic scanner designed to help vehicle owners and technicians quickly and accurately diagnose engine-related issues. This tool provides comprehensive OBDII/EOBD diagnostic capabilities, including reading and clearing Diagnostic Trouble Codes (DTCs), performing battery voltage tests, monitoring live data streams, and checking I/M readiness status. It is compatible with most OBDII compliant vehicles manufactured since 1996.

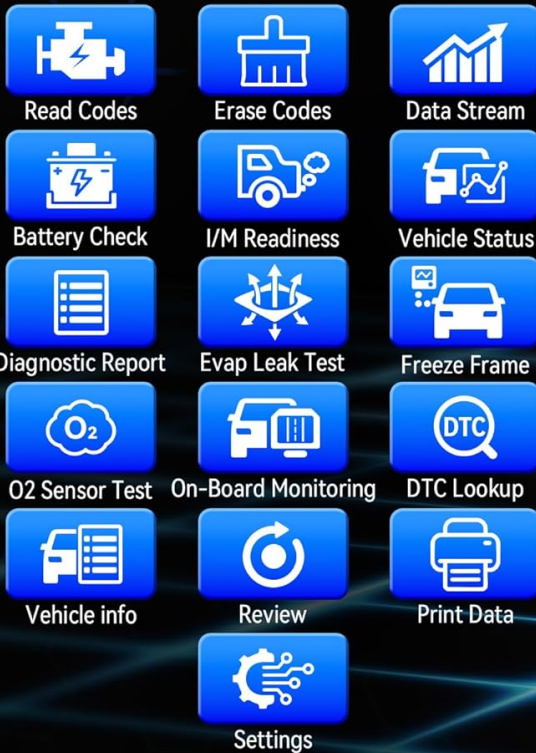
## 2. WHAT'S IN THE BOX

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- KONNWEI KW330 OBD2 Scanner Unit
- User Manual
- USB Cable (for updates and data printing)

# Perfect Full OBDII Functions

- Help you quickly, effectively and accurately diagnose car faults



Note: The KW330 scanner is Primarily designed to diagnose the engine system, read and clear trouble codes. it does not support ABS or other system diagnostics.

Image: The KONNWEI KW330 OBD2 Scanner unit with its diagnostic cable.

Video: An unboxing of the KONNWEI KW330 OBD2 Scanner, showing the device and included accessories.

## 3. PRODUCT OVERVIEW

The KW330 features a robust design with a 2.8-inch color LCD screen, making it easy to read diagnostic information. It includes dedicated buttons for navigation, ESC (Escape), I/M (I/M Readiness), and DTC (DTC Lookup) for quick access to key functions.



Image: The KONNWEI KW330 scanner's main menu interface showing various diagnostic functions.

## 4. SETUP

The KONNWEI KW330 is designed for plug-and-play operation, requiring no complex setup or external power source beyond the vehicle's OBDII port.

### 4.1 Connecting the Scanner

1. Locate the vehicle's 16-pin Data Link Connector (DLC). This is typically found under the dashboard on the driver's side.
2. Ensure the vehicle's ignition is OFF.
3. Firmly plug the KW330's OBDII connector into the vehicle's DLC.
4. Turn the vehicle's ignition to the ON position (engine can be off or running, depending on the test). The scanner will automatically power on and establish communication with the vehicle's ECU.

Video: Demonstration of connecting the KW330 OBD2 scanner to a vehicle's diagnostic port and initiating a scan.

## 5. OPERATING INSTRUCTIONS

The KW330 offers various diagnostic functions accessible through its intuitive menu system.

## 5.1 Reading Trouble Codes (DTCs)

This function allows you to retrieve Diagnostic Trouble Codes (DTCs) from the vehicle's computer, which indicate specific issues detected by the system.

1. From the main menu, select 'Read Codes' and press 'OK'.
2. The scanner will display any stored, pending, or permanent DTCs.
3. Use the up/down arrows to scroll through the codes and their descriptions.

**INSTANT DTC CODE DEFINITIONS  
NO INTERNET NEEDED**

P- Powertrain  
U- Network & Vehicle Integration  
B- Body C- Chassis

0, 2, or 3-Standardized (SAE) code  
1- Manufacturer-specific code

0-99  
Fault Description

**P 0 0 1 3**

0- Fuel & air metering, auxiliary emission controls  
1- Fuel and air metering  
2- Fuel and air metering (injector circuit)  
3- Ignition systems or misfires  
4- Auxiliary emission controls  
5- Speed control and idle control systems  
6- Computer and output circuit  
7- Transmission  
A-F - Hybrid Trouble Codes

Note: KW330 only support to read/clear the engine code. It can't clear the abs/srs/transmission codes...

Image: The KW330 displaying a P0123 trouble code with its description.

## 5.2 Clearing Trouble Codes

After performing necessary repairs, you can use this function to clear the DTCs and turn off the Check Engine Light (CEL).

1. From the main menu, select 'Erase Codes' and press 'OK'.
2. Confirm the action when prompted.
3. The scanner will clear the codes, and the Check Engine Light should turn off.



Image: Visual representation of the Check Engine Light turning off after codes are cleared.

### 5.3 I/M Readiness Test

This function checks the readiness of the vehicle's emission-related monitoring systems, indicating if the vehicle is ready for an emissions test.

1. From the main menu, select 'I/M Readiness' and press 'OK'.
2. The scanner will display the status of various monitors (e.g., MIS, FUE, CCM, CAT, EVAP, O2S). A '✓' indicates completion, while an 'X' indicates an incomplete test.

# I/M Readiness Monitor Function

Quickly respond diagnosis within 3 seconds

I/M Readiness			
MIL: ON	IGN: COMPRESSION		
DTC: 5	Pd DTC: 2		
MIS	FUE	✓	✓
CCM	CAT	✓	✓
HCAT	EVAP	✓	✓
AIR	O2S	✓	✓
HRT	EGR	✓	✗

## DTC LOOKUP

Display all the OBD2 error code and its meaning


Read Codes	
P0123	Pending DTC
Throttle/Pedal Position Sensor/Switch A Circuit High	

## I/M Readiness

Quick State Emission readiness check and verification




Image: The KW330 displaying the I/M Readiness status for various vehicle systems.



## ONE-CLICK I/M READINESS TEST

Press I/M readiness button for quick test, easily prepare your vehicle for annual smog check



Diagnostic Report			
I/M Readiness			
MIS	FUE	✓	✓
CCM	CAT	✓	✓
HCAT	EVAP	✓	✓
AIR	O2S	✓	✓
HRT	EGR	✓	✗

Image: A visual guide to performing the one-click I/M Readiness test.

## 5.4 Live Data Stream

View real-time operational parameters of the vehicle's engine, such as RPM, coolant temperature, and fuel

system status.

1. From the main menu, select 'Data Stream' and press 'OK'.
2. You can choose to view all items, select specific items, or view graphic frames.
3. The scanner will display the selected data in numerical or graphical format.

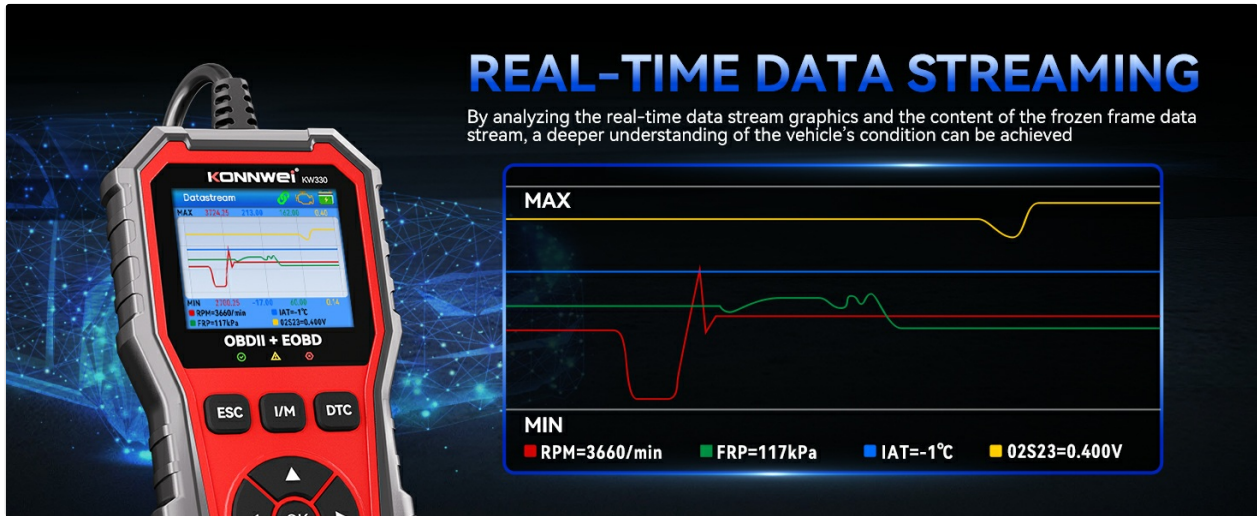


Image: The KW330 showing real-time data stream in a graphical format, including RPM, FRP, IAT, and O2S values.

## 5.5 Battery Voltage Test

This feature allows you to check the voltage of your vehicle's battery and assess the charging system's performance.

1. From the main menu, select 'Battery Check' and press 'OK'.
2. Follow the on-screen prompts to turn the engine off, then start it.
3. The scanner will display the battery voltage performance, including minimum and maximum values during cranking and running.

# MOST ACCURATE BATTERY CHECK

## Before Engine Starting

**<10.8V:** Too low to start the car  
**0.8V-11.8V:** Difficult to start the car  
**11.8V-12.8V:** Normal

## instant of engine ignition

**<9.0V:** Battery aging/loss of power  
**>9.5V:** Normal

## After Engine Starting

**>14.8V:** Too high may damage battery  
**12.8V-13.2V:** Too low may not charge battery  
**13.2V-14.8V:** Normal



Image: The KW330 displaying battery voltage test results, indicating normal ranges for before starting, instant ignition, and after starting.

# BATTERY VOLTAGE TEST

## BEFORE ENGINE STARTING

**<10.8V:** Too low to start the car  
**0.8V-11.8V:** Difficult to start the car  
**11.8V-12.8V:** Normal

## INSTANT OF ENGINE IGNITION

**<9.0V:** Battery aging/loss of power  
**9.5V:** Normal

## AFTER ENGINE STARTING

**14.8V:** Too high may damage battery  
**12.8V-13.2V:** Too low may not charge battery  
**13.2V-14.8V:** Normal



Image: A visual guide demonstrating the battery voltage test with the KW330 scanner.

## 5.6 DTC Lookup

The built-in DTC Lookup feature provides detailed definitions for over 40,000 trouble codes, helping you understand the meaning of a code without needing to search online.

1. Press the 'DTC' hotkey from the main menu or during a diagnostic scan.
2. Enter the DTC using the navigation buttons.
3. The scanner will display the definition of the code.



Image: The KW330's DTC Lookup interface, illustrating how to input a code and view its definition.

## 6. SETTINGS

Customize your KW330 scanner experience through the settings menu.

1. From the main menu, select 'Settings' and press 'OK'.
2. Options include:
  - **Unit of Measure:** Switch between Metric and Imperial units.
  - **Language:** Select from supported languages (e.g., English, German, French, Spanish).
  - **Theme:** Switch between day and night display modes for optimal visibility.

- **Beeper:** Turn audible alerts on or off.
- **Startup Scan:** Enable or disable automatic scanning on startup.

# Switch Day and Night with One Click



Image: The KW330's settings menu, highlighting the option to switch between day and night display themes.

## 7. VEHICLE COMPATIBILITY

The KONNWEI KW330 is designed to be universally compatible with most OBDII compliant vehicles. This includes:

- US-based cars after 1996
- EU-based cars after 2000
- Asian-based cars after 2008

For specific compatibility questions, it is recommended to contact customer service with your vehicle's VIN before purchase.

# COMPATIBLE WITH 98% VEHICLES

Works on all 1996 & Newer vehicles sold in North America  
(CARS, LIGHT TRUCKS, MINIVANS and SUVs - FOREIGN AND DOMESTIC).

## 1996

US-Based  
Cars after 1996

## 2000

EU-Based  
Car after 2000

## 2008

Asian-Based  
Car after 2008

### EUROPEAN VEHICLES

Compatible with Abath, Alfa, Aston Martin, Audi, Bentley, Mercedes Benz, BMW, Bugatti, Citroen, Dacia, Ferrari, Fiat, EU Ford, Jaguar, Lamborghini, Lancia, Land Rover, Maserati, MINI, Opel, Peugeot, Porsche, Renault, Saab, Seat, Skoda, Elegante, Vauxhall, Volvo, VW, Sprinter

### AMERICAN VEHICLES

Compatible with Chrysler, US Ford, USA GM, Jeep, Dodge

### ASIAN VEHICLES

Compatible with Acura, ASIA GM, Daewoo, Daihatsu, Honda, Hyundai, Infiniti, Isuzu, Kia, Lexus, Mazda, Mitsubishi, Nissan, Perodua, Proton, Ssangyong, Subaru, Suzuki, Toyota

### AUSTRALIA VEHICLES

Compatible with Holden, AU Ford

### OBDII FUNCTION

Compatible with Chrysler, Ford, USA GM, Jeep, Toyota, Lexus, Honda, Hyundai, Kia, Mazda, Mitsubishi, Nissan, Subaru, Suzuki, Abarth, Aston Martin, Bugatti, Ferrari, Lamborghini, Maserati, Benz, BMW, VW, Audi, Seat, Skoda, Porsche, Jaguar, Land Rover, Volvo, Saab, Alfa, etc.

Note: Please send the VIN code to customer service before purchase to confirm compatibility.

Image: A chart illustrating the broad vehicle compatibility of the KW330 scanner across different regions and manufacturing years.

## 8. MAINTENANCE

To ensure the longevity and optimal performance of your KONNWEI KW330 scanner, follow these maintenance guidelines:

- Keep the device clean and free from dust and moisture. Use a soft, dry cloth for cleaning.
- Avoid dropping the device or exposing it to extreme temperatures.
- Store the scanner in a safe place when not in use, preferably in its original packaging or a protective case.
- Regularly check the diagnostic cable for any signs of damage.

### 8.1 Software Updates

The KW330 supports free lifetime software upgrades to ensure compatibility with new vehicle models and to add new features. Refer to the official KONNWEI website for the latest software and instructions on how to update your device using the provided USB cable.

## 9. TROUBLESHOOTING

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If you encounter issues while using your KW330 scanner, refer to the following common troubleshooting tips:

- **No Power:** Ensure the OBDII connector is firmly plugged into the vehicle's DLC. Check the vehicle's ignition status.
- **Link Error:** Verify the ignition is ON. Check for a secure connection to the DLC. Ensure the vehicle is OBDII compliant. Try the scanner on another vehicle if possible to rule out a vehicle-specific issue.
- **DTCs Not Clearing:** Ensure the ignition is ON and the engine is OFF when attempting to clear codes. Some codes may require multiple drive cycles to clear after repairs.
- **Screen Issues:** If the screen is unreadable, adjust the display theme in the settings (Day/Night mode).

For persistent issues, consult the detailed user manual or contact KONNWEI customer support.

## 10. SPECIFICATIONS

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Feature	Description
Brand	KONNWEI
Model	KW330
Power Source	Battery Powered (via OBDII port)
Operating System	Linux
Screen Size	2.8 Inches
Automotive Fit Type	Universal Fit (OBDII compliant vehicles)
Included Components	KW330 OBD2 Scanner, Manual

## 11. WARRANTY AND SUPPORT

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The KONNWEI KW330 OBD2 Diagnostic Scanner comes with a standard manufacturer's warranty. For detailed warranty information, product support, or technical assistance, please visit the official KONNWEI website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.