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› KONNWEI KW350 Auto OBD2 Diagnostic Tool User Manual

KONNWEI KW350-US

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Model: KW350-US

INTRODUCTION

The KONNWEI KW350 is a professional OBD2 diagnostic scanner designed for comprehensive vehicle system analysis. It supports full system diagnostics for VW, Audi, Skoda, and SEAT vehicles, allowing users to read and clear fault codes from over 100 systems, including Engine, ABS, SRS Airbags, and Transmission. Additionally, it provides universal OBD2 diagnostic functions for all OBD2-compliant vehicles manufactured from 1996 onwards.

Key special functions for VAG models include Oil Service Reset, Electronic Parking Brake (EPB) Reset, Throttle Position Sensor (TPS) Learning, and Battery Adaptation. The device features a user-friendly interface, automatic VIN detection, and a robust design for durability.

WHAT'S IN THE BOX

Upon opening the package, please ensure all the following items are present:

- KONNWEI KW350 VAG Scanner Unit
- Mini USB Cable (for updates and data transfer)
- Nylon Storage Bag
- User Manual (this document)
- Carton Box Packaging

SETUP

The KW350 is designed for plug-and-play operation. No complex setup or battery installation is required as it draws power directly from the vehicle's OBD2 port.

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 locate it.
2. **Connect the Scanner:** With the vehicle's ignition off, firmly plug the KW350's OBD2 connector into the vehicle's

OBD2 port.

3. **Turn on Ignition:** Turn the vehicle's ignition to the "ON" position (engine off). The KW350 will power on automatically and display the main menu.



Image: The KONNWEI KW350 diagnostic tool, showing its main menu screen and the OBD2 connector. This illustrates the device ready for operation after connection.

OPERATING INSTRUCTIONS

The KW350 features a 2.4-inch display and intuitive navigation buttons (UP, DOWN, ESC, ENTER) for easy operation.

1. Main Menu Navigation

From the main menu, use the UP/DOWN arrows to navigate between options and the ENTER button to select. The main menu typically includes:

- **VW/AUDI/SEAT/SKODA:** For full system diagnostics on VAG group vehicles.
- **OBD Diagnostic:** For universal OBD2 diagnostics on all OBD2-compliant vehicles.
- **System Setup:** To configure device settings (language, units, etc.).
- **Tool Information:** Displays device details and software version.



Image: The KW350 displaying a list of diagnostic systems available for VW/Audi/Seat/Skoda vehicles, such as Engine, Auto Trans, ABS Brakes, and Airbags.

2. VAG Full System Diagnostics

Select "VW/AUDI/SEAT/SKODA" from the main menu to access specific diagnostic functions for VAG vehicles. The scanner will automatically detect the VIN and allow you to select specific control modules for diagnosis.

- **Read Codes:** Displays Diagnostic Trouble Codes (DTCs) present in the selected system.
- **Erase Codes:** Clears DTCs from the selected system. Ensure the underlying issue is resolved before clearing codes.
- **Live Data Stream:** Shows real-time data parameters from various sensors and components.
- **Special Functions:** Access specific maintenance functions (see section 2.3).



Image: The KW350 displaying a menu of various VAG diagnostic systems, including Engine, Automatic Transmission, ABS Brakes, and Airbags, indicating its comprehensive diagnostic capabilities.

3. Universal OBD2 Diagnostics

Select "OBD Diagnostic" for standard OBD2 functions applicable to all OBD2-compliant vehicles (1996 and newer). This mode focuses on engine and emissions-related systems.

- **Read Codes:** Retrieves generic and manufacturer-specific Powertrain Diagnostic Trouble Codes.
- **Erase Codes:** Clears the Check Engine Light (MIL) and resets monitors.

- **I/M Readiness:** Checks the readiness of emission-related monitors.
- **Live Data:** Displays real-time engine data.
- **Freeze Frame:** Captures a snapshot of vehicle conditions when a fault code is set.
- **O2 Sensor Test:** Retrieves O2 sensor monitoring test results.
- **On-Board Monitor Test:** Retrieves results for emission-related powertrain components and systems.
- **EVAP System Test:** Initiates a test of the evaporative emission system.
- **Vehicle Information:** Displays VIN, Calibration ID, and Calibration Verification Number.



Image: An overview of the KONNWEI KW350's universal OBD2 diagnostic capabilities, showing icons for functions like checking engine codes, reading and erasing codes, O2 sensor tests, and live data streaming.

4. Special Functions (VAG Specific)

The KW350 offers several special functions primarily for VW, Audi, Skoda, and SEAT vehicles, aiding in routine maintenance and repairs.

- **Oil Service Reset:** Resets the oil service light after an oil change.

- **EPB (Electronic Parking Brake) Reset:** Safely retracts and engages the electronic parking brake calipers for brake pad replacement.
- **TPS (Throttle Position Sensor) Learning:** Adapts the throttle body after cleaning or replacement.
- **Battery Adaptation:** Registers a new battery with the vehicle's system.
- **SAS (Steering Angle Sensor) Reset:** Calibrates the steering angle sensor.
- **TPMS (Tire Pressure Monitoring System) Reset:** Resets the TPMS light after tire rotation or sensor replacement.
- **BMS (Battery Management System):** Performs battery management functions.
- **IMMO (Immobilizer):** Accesses immobilizer information.
- **DPF (Diesel Particulate Filter):** Performs DPF regeneration or reset functions.



OIL RESET



SAS RESET



TPMS SERVICE



EPB SERVICE



THROTTLE ADAPTAION

Image: Visual representation of key special functions available on the KW350, including Oil Reset, Steering Angle Sensor (SAS) Reset, Tire Pressure Monitoring System (TPMS) Service, Electronic Parking Brake (EPB) Service, and Throttle Adaptation.

To ensure the longevity and optimal performance of your KONNWEI KW350, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid abrasive cleaners or solvents that could damage the screen or casing.
- **Storage:** Store the scanner in its nylon bag when not in use to protect it from dust and physical damage. Keep it in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Software Updates:** The KW350 supports free lifetime software updates. Regularly check the KONNWEI official website for the latest software versions. Connect the device to a computer via the provided Mini USB cable and use the KONNWEI Uplink tool to perform updates. This ensures compatibility with newer vehicle models and improved diagnostic capabilities.
- **Cable Care:** Do not pull the cable forcefully when disconnecting from the vehicle or computer. Always grasp the connector itself.

TROUBLESHOOTING

If you encounter issues with your KW350, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on.	Loose OBD2 connection; Vehicle ignition not ON; Vehicle battery low.	Ensure the OBD2 connector is firmly seated. Turn vehicle ignition to "ON" (engine off). Check vehicle battery voltage.
"Link Error" or "Communication Error" message.	Faulty connection; Vehicle not OBD2 compliant; Damaged OBD2 port; Software issue.	Verify connection. Confirm vehicle is OBD2 compliant (1996+ for US). Try on another vehicle. Update scanner software.
Cannot clear fault codes.	Underlying issue not resolved; Ignition not ON; Specific module error.	Codes will reappear if the fault is still present. Ensure ignition is ON. Some codes require specific procedures or advanced tools.
Screen freezes or device is unresponsive.	Temporary software glitch.	Disconnect the device from the vehicle, wait a few seconds, and reconnect. If persistent, perform a software update.

SPECIFICATIONS

Technical specifications for the KONNWEI KW350 diagnostic tool:

- **Model:** KW350-US
- **Display:** 2.4-inch TFT color display, 320x240 resolution
- **Operating System:** Linux
- **Processor:** STM-32 Chipset
- **Connectivity:** OBD2 (16-pin), Mini USB
- **Operating Voltage:** 9-18V (from vehicle OBD2 port)
- **Supported Protocols:** ISO9141, KWP2000, J1850 PWM, J1850 VPW, CAN
- **Dimensions (L x W x H):** 12.7 cm x 7.8 cm x 2.0 cm (5"L x 3.07"W x 0.78"H)
- **Weight:** 0.41 kg (14.4 ounces)
- **Operating Temperature:** 0°C to 60°C (32°F to 140°F)
- **Storage Temperature:** -20°C to 70°C (-4°F to 158°F)

- **Supported Languages:** English (and others, configurable in settings)

New Arrival KW350 full system scanner



KW350 not only can test most of 12V gasoline / diesel/ hybrid electric vehicle which are with OBDII/ EOBD Protocol, but also it is with the function of Oil Reset, ABS brake, SRS airbag, TP Position Check, etc for V/W series cars, such as for V/A JETTA / for Bora/ for Santana/ for Sagitar/ for Magotan / for Golf / for Beetle / for Tiguan / for Tourag / for PASSAT / for Fabia / for Octavia / for Superb, etc.

Image: An illustrative diagram demonstrating how the KW350 connects to a vehicle and its capability to diagnose various systems such as Engine, SRS, ABS, and Transmission.

WARRANTY AND SUPPORT

KONNWEI provides a standard warranty for the KW350 diagnostic tool. For specific warranty terms and conditions, please refer to the warranty card included in your product packaging or visit the official KONNWEI website. For technical support, troubleshooting assistance, or inquiries regarding software updates, please contact KONNWEI customer service through their official website or the contact information provided in the product documentation. Free lifetime software updates are available to ensure your device remains current with the latest vehicle models and diagnostic standards.

Official KONNWEI Store: [Visit the KONNWEI Store on Amazon](#)

