**KINGBOLEN KINGBOLEN K8 Pro**

# KINGBOLEN K8 Pro OBD2 Scanner User Manual

### MODEL: KINGBOLEN K8 PRO DIAGNOSTIC TOOL

## 1. Introduction

The KINGBOLEN K8 Pro OBD2 Scanner is a professional-grade automotive diagnostic tool designed to provide comprehensive and efficient vehicle analysis. This advanced scanner offers a wide array of features, including OE-level all-system diagnostics, powerful bi-directional control, advanced ECU coding, and over 34 special reset functions. It supports the latest CAN-FD and DOIP protocols, ensuring compatibility with modern vehicles. With its wireless Bluetooth VCI and lifetime free software updates, the K8 Pro is an indispensable tool for both professional technicians and advanced DIY enthusiasts.

Figure 1: KINGBOLEN K8 Pro OBD2 Scanner with key features highlighted.

## 2. What's in the Box

Upon unboxing your KINGBOLEN K8 Pro, you will find the following components:

- KINGBOLEN K8 Pro Tablet
- Bluetooth connector (VCI)
- Storage box
- User Manual
- Charging Adapter
- RJ45 Network Cable
- USB2.0 to 10/100M Network Cable
- DoIP Cable
- TYPE-C Cable
- Diagnostic Extension Cable
- 3-in-1 Charger (Matched with U.S.U.K and European plugs)
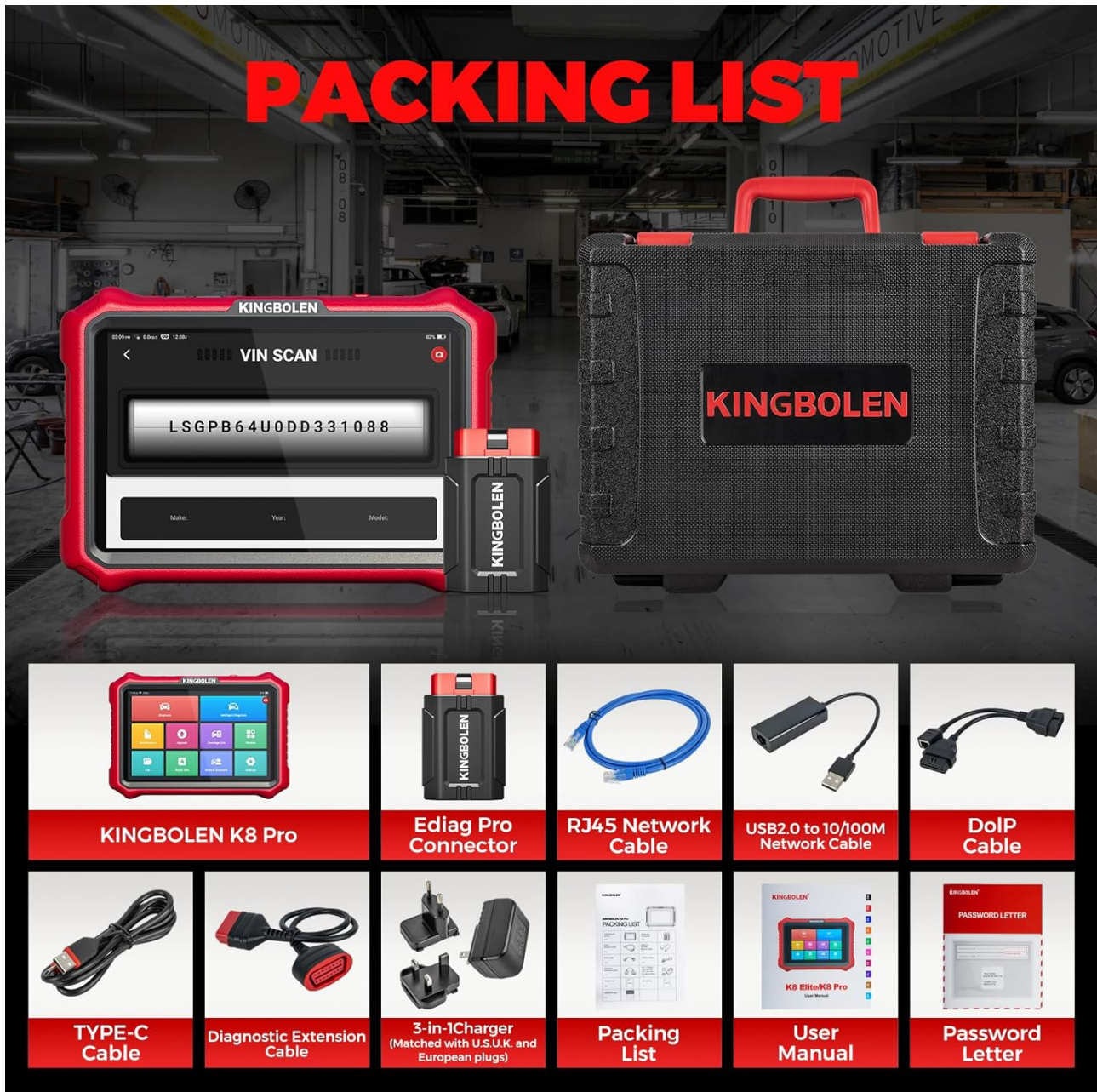
- Packing List
- Password Letter



*Figure 2: All components included in the KINGBOLEN K8 Pro package.*

# 3. Setup Guide

### 3.1 Powering On

The KINGBOLEN K8 Pro tablet is equipped with a 12600mAh battery for extended operation. Ensure the device is sufficiently charged using the provided charging adapter. The tablet runs on Android 10.0, providing a familiar and intuitive user interface.

### 3.2 Connecting the VCI

The device utilizes a Bluetooth VCI (Vehicle Communication Interface) for wireless diagnostics. This allows you to perform diagnostics up to 33 feet (10 meters) away from the vehicle, offering greater flexibility. The VCI magnetically attaches to the back of the tablet for convenient storage when not in use.

### 3.3 Initial Software Setup

The K8 Pro features an 8-inch touch screen with 1280x800 resolution. Upon first power-on, follow the on-screen prompts to complete the initial setup, including Wi-Fi connection for software updates. The device has 4GB RAM and 64GB ROM for smooth operation and ample storage.

## 4. Operating Instructions

### 4.1 OE-Level All Systems Diagnostics

The K8 Pro provides comprehensive diagnostics for all available modules across a wide range of vehicles. This includes PCM, ECM, BCM, TPMS, SAS, Fuel System, and more. You can perform the following diagnostic functions:

- **Auto VIN/Scan:** Automatically identifies vehicle information for quick diagnosis.
- **Read/Clear Codes:** Access and clear diagnostic trouble codes (DTCs).
- **View Live Data:** Monitor real-time data streams from various sensors and components.
- **Freeze Frame:** View a snapshot of sensor data at the moment a DTC was set.
- **Read ECU Info:** Retrieve electronic control unit information.

The 12-in-1 Data Stream Graphics feature allows for intuitive data viewing and comparative analysis, boosting work efficiency.

*Figure 3: Overview of OE-Level All Systems Diagnostics capabilities.*

## 4.2 Bi-Directional Control (Active Test)

As a bi-directional scan tool, the K8 Pro can send commands to vehicle modules to perform specific tests and functions, allowing for quick and accurate fault pinpointing without dismantling parts. Examples include:

- EVAP Tests
- Turning radiator fan on/off
- Window/Mirror/Door Lock Test
- Pump and Valve Tests
- Sound horn Test

*Figure 4: Examples of bi-directional control tests.*

### 4.3 ECU Coding & V.A.G Guide

The ECU Coding function allows you to unlock high-level functions, customize vehicle settings, and optimize performance. It supports Offline Coding (for Mercedes-Benz) and Online Coding (for Volkswagen/Audi/BMW cars) to match replaced components with the ECU. The PMI (Programmable Module Installation) function for Ford, Lincoln, and Mazda allows copying data into new modules. V.A.G Guided functions provide step-by-step instructions for Volkswagen, Audi, and Skoda vehicles.

*Figure 5: ECU Coding capabilities and V.A.G Guided Function.*

## 4.4 Special Functions (34+ Resets)

The KINGBOLEN K8 Pro offers over 34 hot special functions to address common maintenance and repair services. These include:

- Oil Reset
- EPB (Electronic Parking Brake) Reset
- SAS (Steering Angle Sensor) Reset
- BMS (Battery Management System) Reset
- ABS Bleeding
- Throttle Reset
- Suspension Calibration
- Injector Coding
- Power Balance
- Transmission Adaptation
- Fuel Trim Learn

- HVAC Control Module Calibrate

- Language Change

- A/F Settings

- Stop/Start Reset

- Crankshaft Sensor Relearn

- TPMS (Tire Pressure Monitoring System) Reset

- PMI function



*Figure 6: A selection of the 34+ special reset functions.*

## 4.5 CAN-FD & DOIP Protocol Support

The K8 Pro supports the newly added CAN-FD and DOIP protocols, eliminating the need for additional adapters. CAN-FD protocol is suitable for the latest GM vehicles (2019 and newer), reducing the risk of undetected errors. The DoIP protocol (comes with DoIP cable) is compatible with 2017+ BMW (F&G chassis), Jaguar & Land Rover after 2017, and Volvo after 2018.

## 4.6 FCA AutoAuth Compatibility

The scanner supports AutoAuth, allowing you to unlock the protected FCA vehicle SGW (Security Gateway) module on Chrysler, Dodge, Jeep, Alfa Romeo, and Fiat vehicles (2018+). Note: This provides the AutoAuth login portal; registration on the AutoAuth website must be purchased separately by the user.



Figure 7: Extensive car coverage and support for CAN-FD, DOIP, and FCA AutoAuth.

## 4.7 Wireless Diagnosis

Equipped with a Bluetooth VCI, the K8 Pro allows for wireless diagnostics, providing the convenience to work outside or around the car (up to 33ft/10M) without being confined to a small space inside the vehicle. This advanced Bluetooth technology ensures a stable and fast connection.

*Figure 8: Wireless diagnostic range and benefits.*

**Official Product Video: KINGBOLEN K8 Pro Overview**

*Video 1: This video provides a comprehensive overview of the KINGBOLEN K8 Pro's features and capabilities, including its hardware, software interface, and various diagnostic functions.*

# 5. Maintenance

### 5.1 Software Updates

The KINGBOLEN K8 Pro comes with lifetime free software updates. This ensures that your device always has the latest vehicle coverage, diagnostic functions, and performance optimizations without any annual subscription fees.

# 6. Troubleshooting

If you encounter any issues with your KINGBOLEN K8 Pro, consider the following:

- **Connectivity Issues:** Ensure the Bluetooth VCI is properly connected to the vehicle's OBD2 port and paired with the tablet. Check Wi-Fi connection for online functions and updates.
- **Software Malfunctions:** Perform a software update to ensure you have the latest version. If issues persist, try restarting the tablet.
- **Vehicle Compatibility:** Functions and car compatibility depend on the vehicle's make, model, and year. Always verify compatibility before attempting advanced functions like ECU coding.
- **Power Issues:** Ensure the tablet's 12600mAh battery is charged. The device also includes a charging adapter for continuous power.
- **Fault Code Interpretation:** Utilize the built-in Fault Code Library to directly query and understand diagnostic trouble codes.

# 7. Specifications

| Feature | Specification |
|---|---|
| Brand | KINGBOLEN |
| Operating System | Android 10.0 |
| Language | English |
| Display Resolution | 1280x800 |
| Automotive Fit Type | Universal Fit |
| Model | KINGBOLEN K8 Pro Diagnostic Tool |
| Item Weight | 7.65 pounds |
| Product Dimensions | 7.17 x 10.16 x 1.65 inches |
| Batteries | 1 AAA batteries required (included) |
| Memory | 4GB RAM + 64GB ROM |

# 8. Warranty and Support

KINGBOLEN offers a **LIFETIME software free update** for the K8 Pro, ensuring your device remains up-to-date without additional costs. The product also comes with a **365-day warranty** and a **30-day return policy**.

For any issues regarding registration, vehicle compatibility, or other difficulties, please do not hesitate to contact customer support.

**Contact Email:** kblofficial@163.com