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› KINGBOLEN S6 Elite OBD2 Diagnostic Tool User Manual

KINGBOLEN KBLB08

KINGBOLEN S6 Elite OBD2 Diagnostic Tool User Manual

Model: KBLB08

1. INTRODUCTION

The KINGBOLEN S6 Elite is a professional-grade OBD2 diagnostic tool designed for comprehensive vehicle system analysis. It features a 6.2-inch display, an Android 8.1 operating system, and a quad-core 1.8 GHz processor, providing efficient and accurate diagnostics. This manual provides detailed instructions for setting up, operating, and maintaining your S6 Elite device.



Figure 1: KINGBOLEN S6 Elite Diagnostic Tool

2. PRODUCT OVERVIEW

2.1 What's in the Box

- KINGBOLEN S6 Elite OBD2 Diagnostic Tablet
- 1.2m Diagnostic Extension Cable
- Type-C Cable
- Product User Manual

FCA SGW, PROTOCOLE CANFD



Accès à la passerelle FCA

- ✓ Fonctionne pour les véhicules Renault, Chrysler, Dodge, Jeep, Alfa Romeo et Fiat après 2019.

Le protocole CANFD permet à cet outil de

- ✓ diagnostic de fonctionner pour les modèles GM tels que Chevrolet, GMC, etc. après 2020.

Figure 2: Package Contents

2.2 Device Features and Specifications

The S6 Elite is equipped with advanced hardware for optimal performance:

- **Display:** 6.2-inch touchscreen
- **Battery:** 4150 mAh capacity
- **Operating System:** Android 8.1
- **Processor:** Quad-core 1.8 GHz
- **Storage:** 2GB RAM + 32GB internal storage
- **Connectivity:** Wi-Fi for updates
- **Language Support:** 28 languages



Figure 3: S6 Elite Hardware Configuration

2.3 Key Diagnostic Capabilities

The KINGBOLEN S6 Elite offers a wide range of diagnostic functions:

- **Full System Diagnostics:** Access and diagnose all available vehicle systems (Engine, ABS, SRS, Transmission, etc.).
- **Bidirectional Control/Active Tests:** Send commands to the ECU to perform active tests on various components.
- **15+ Reset Services:** Perform common maintenance tasks such as Oil Reset, SAS Calibration, ABS Bleeding, TPMS Reset, BMS Reset, Throttle Adaptation, Injector Coding, DPF Regeneration, EGR Adaptation, A/F Calibration, AdBlue Reset, Airbag Reset, and ECU Reset.
- **OBD2 Functions:** Read and clear fault codes, view live data stream, freeze frame data, and ECU information.
- **CANFD Protocol Support:** Direct access to systems in GM models (Chevrolet, GMC, etc.) post-2020 without additional adapters.
- **FCA Gateway Support:** Access protected modules in FCA vehicles (Chrysler, Dodge, Jeep, Alfa Romeo, Fiat) post-2019 (requires a valid FCA account).
- **Vehicle Coverage:** Supports over 110 car brands and 10,000 models, including 12V cars, SUVs, light trucks, and commercial vehicles manufactured from 1996 onwards.

PLUS DE 110 MARQUES AUTOMOBILES, 28 LANGUES

Compatible avec la plupart des voitures 12 V, SUV, certains camions légers et véhicules utilitaires fabriqués après 1996

Amérique
(voitures après 1998)

Pour Ford, Pour Buick, Pour GM, Pour Dodge, Pour Mazda, For Chevrolet, Pour Jeep, Pour Lincoln, Pour Cadillac, Pour Chrysler

Europe
(voitures après 2000)

Pour Audi, Pour Benz, Pour VW, Pour BMW, Pour Seat, Pour Landrover, Pour Mini, Pour Jaguar, Pour Sprinter, Pour Porsche, Pour Volvo, Pour Vauxhall

Asie
(voitures après 2002)

Pour Toyota, Pour Honda, Pour Nissan, Pour Isuze, Pour Mitsubishi, Pour Sabaru, Pour Hyhundai, Pour KIA, Pour Lexus, Pour Sazuki



Anglais



Allemand



Français



Espagnol



Italien



Néerlandais



Croate



Polonais



Suédois



Russe



Portugais



Arabe



Tchèque



Turc



Chinois

plus...

Figure 4: Extensive Vehicle Coverage and Language Options

3. SETUP

- Charge the Device:** Connect the S6 Elite to a power source using the provided Type-C cable to ensure it is fully charged before first use.
- Power On:** Press and hold the power button to turn on the device.
- Initial Configuration:** Follow the on-screen prompts to select your preferred language (28 languages supported), set the time zone, and connect to a Wi-Fi network. A stable Wi-Fi connection is essential for software updates.
- Software Updates:** After connecting to Wi-Fi, navigate to the 'Upgrade' section in the main menu. Download and install any available software updates to ensure your device has the latest vehicle coverage and functions. Lifetime free updates are provided.

4. OPERATING INSTRUCTIONS

4.1 Connecting to the Vehicle

- Locate the vehicle's OBD2 port, typically under the dashboard on the driver's side.
- Connect the diagnostic extension cable to the S6 Elite and then to the vehicle's OBD2 port.
- Turn the vehicle's ignition to the ON position (engine off).

TEST BIDIRECTIONNEL/ACTIF

Envoyer les commandes au véhicule et recevoir les réponses de celui-ci afin d'effectuer divers tests des actionneurs



Figure 5: Connecting the Device to the Vehicle

4.2 Automatic VIN Recognition

Upon connection, the S6 Elite will attempt to automatically detect the vehicle's VIN (Vehicle Identification Number). If successful, it will automatically identify the vehicle make, model, and year, streamlining the diagnostic process. If automatic VIN recognition fails, you can manually select the vehicle information.

4.3 Full System Diagnostic

This function allows you to scan all available electronic control units (ECUs) in the vehicle. From the main menu, select 'Diagnose' and then 'Full System Scan'. The device will read and display Diagnostic Trouble Codes (DTCs), ECU information, live data streams, and freeze frame data for systems such as Engine, ABS, SRS, Transmission, and more. A comprehensive diagnostic report can be generated in PDF format.

- **Read/Clear DTCs:** View current, pending, and permanent fault codes, then clear them after repairs.
- **Live Data Stream:** Monitor real-time data from various sensors and components.
- **Freeze Frame Data:** View a snapshot of sensor values at the moment a fault code was set.

- **ECU Information:** Retrieve vehicle-specific ECU data.



Figure 6: Full System Diagnostic Overview

4.4 Bidirectional Control / Active Tests

The bidirectional control feature allows the S6 Elite to send commands to the vehicle's ECU to activate or test specific components. This helps in pinpointing faulty components without disassembly. Examples include:

- Operating windows
- Activating headlights
- Locking/unlocking doors
- Adjusting wipers
- EVAP test
- Fuel pump activation
- Cooling fan test

TEST BIDIRECTIONNEL/ACTIF

Identifiez avec précision et rapidité les problèmes liés aux composants du véhicule sans avoir à démonter aucune pièce.

- Soupape électromagnétique de ventilation/vidange EVAP
- Test de l'actionneur de position du papillon des gaz
- Cycle de la pompe du moteur ABS
- Recalibrage de l'actionneur HVAC
- Réinitialisation de la composition du carburant
- Test du ventilateur de refroidissement
- Test des soupapes d'admission et d'échappement
- Test des vitres/serrures de porte/phares

COMMANDS

RECEIVE



Test de la pompe à carburant



Test des essuie-glaces



Test de clignotement des phares



Test des soupapes d'injection de carburant

Figure 7: Bidirectional Control and Active Tests

4.5 Reset Services

The S6 Elite provides over 15 special reset functions for routine vehicle maintenance. Access these functions from the 'Maintenance' menu. Always ensure the vehicle is compatible with the specific reset function before proceeding.

- Oil Reset
- SAS (Steering Angle Sensor) Calibration
- Brake Reset
- TPMS (Tire Pressure Monitoring System) Reset
- BMS (Battery Management System) Reset
- Throttle Adaptation
- Injector Coding
- DPF (Diesel Particulate Filter) Regeneration
- ABS Bleeding
- EGR (Exhaust Gas Recirculation) Adaptation
- A/F (Air/Fuel Ratio) Calibration
- AdBlue Reset
- Airbag Reset
- ECU Reset

15 FONCTIONS DE RÉINITIALISATION À USAGE QUOTIDIEN

Utilisation à vie, sans frais annuels



Réinitialisation de l'huile



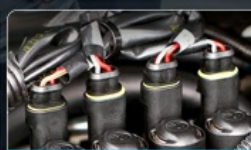
Purge de l'ABS



Réinitialisation des freins



Apprentissage des vitesses



Codage des injecteurs



Réinitialisation du TPMS



Réinitialisation du BMS



Réinitialisation du SAS



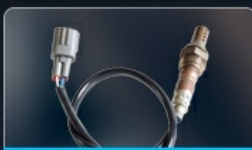
Adaptation du papillon



Régénération du FAP



Adaptation de l'EGR



Étalonnage A/F



Réinitialisation des airbags



Réinitialisation de l'ECU



Et plus encore



Les fonctions spéciales varient selon la marque, le modèle et l'année du véhicule.

Figure 8: Available Reset Functions

4.6 CANFD and FCA Gateway

The S6 Elite supports the new CANFD protocol, allowing direct access to systems in compatible GM models (e.g., Chevrolet, GMC) manufactured after 2020 without requiring additional adapters. For FCA vehicles (Chrysler, Dodge, Jeep, Alfa Romeo, Fiat) manufactured after 2019, the device supports the FCA gateway function. Accessing protected modules in these vehicles requires a valid FCA account.

EXPLOREZ PLUS DE FONCTIONS DE DIAGNOSTIC ET DE PROTOCOLES VÉHICULAIRES

FCA pour AutoAuth :

Fonctionne pour les véhicules Chrysler, Dodge, Jeep, Renault, Alfa Romeo et Fiat fabriqués après 2019

Protocole CANFD :

Fonctionne pour les véhicules GM, Buick, Cadillac, Chevrolet et GMC après 2020 (aucun adaptateur supplémentaire nécessaire)



Commentaires en ligne



Rapport de diagnostic du véhicule



Mise à jour WIFI en un clic



Recherche dans le navigateur et les codes DTC

4.7 Live Data Stream Graphing

The device can display live data streams in a 4-in-1 graphical format or as a text table. This allows for real-time monitoring of vehicle parameters, which is crucial for diagnosing intermittent issues or verifying repairs. Data can be recorded, saved, and printed for analysis.

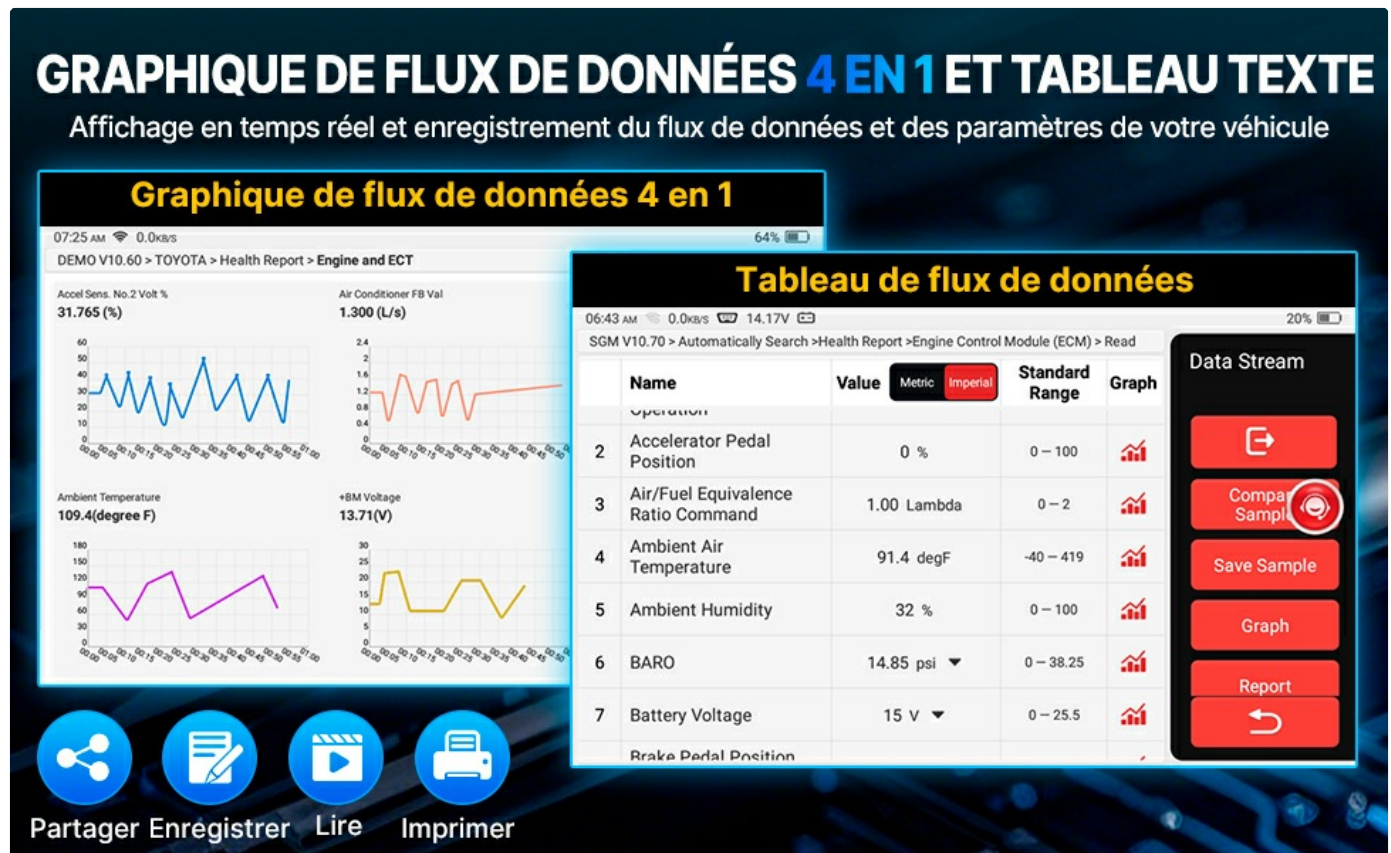


Figure 10: Live Data Stream Display Options

5. MAINTENANCE

5.1 Software Updates

The KINGBOLEN S6 Elite offers lifetime free software updates. Regularly check for and install updates via Wi-Fi to ensure your device has the latest vehicle compatibility, diagnostic functions, and bug fixes. To update, connect to a stable Wi-Fi network and navigate to the 'Upgrade' section in the main menu.

6. TROUBLESHOOTING

- **Device not powering on:** Ensure the device is fully charged. If the issue persists, try connecting it to a power source and attempting to power on again.
- **No communication with vehicle:** Verify that the diagnostic cable is securely connected to both the S6 Elite and the vehicle's OBD2 port. Ensure the vehicle's ignition is in the ON position. Check if the vehicle is compatible with the device.
- **Slow performance or freezing:** Ensure the device software is up to date. Close any unnecessary applications running in the background. If the issue persists, a factory reset might be necessary (backup any important data first).
- **Inaccurate or incomplete translations:** While the device supports 28 languages, some translations may be

incomplete or imperfect. Refer to the English interface or consult the manual for clarification if needed.

- **FCA gateway access issues:** Ensure you have a valid and active FCA account. Verify that the vehicle is compatible with the FCA gateway function (post-2019 models).

7. SPECIFICATIONS

Feature	Specification
Brand	KINGBOLEN
Model Number	KBLB08
Screen Size	6.2 Inches
Operating System	Android 8.1
Processor	Quad-core 1.8 GHz
RAM	2 GB
Internal Storage	32 GB
Battery Capacity	4150 mAh
Power Source	Battery Powered
Product Dimensions (L x W x H)	26 x 16 x 7 cm
Vehicle Compatibility	Universal Fit (110+ car brands, 10,000+ models from 1996)

8. WARRANTY INFORMATION

Specific warranty details for the KINGBOLEN S6 Elite are not provided in this manual. Please refer to the manufacturer's official website, the product packaging, or your purchase documentation for comprehensive warranty terms and conditions.

9. SUPPORT

For technical support, troubleshooting assistance, or any product-related inquiries, please contact KINGBOLEN customer service through their official channels. Contact information can typically be found on the manufacturer's website or in the product's packaging.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question