KINGBOLEN KINGBOLEN S500

KINGBOLEN S500 OBD2 Scanner User Manual

Automotive Diagnostic Tool with 4 Systems & 6 Reset Functions

1. Product Overview

The KINGBOLEN S500 OBD2 Scanner is a professional diagnostic tool designed for comprehensive vehicle system analysis and maintenance. It features a 5-inch touch screen and supports various diagnostic functions and special reset services.



Figure 1: KINGBOLEN S500 OBD2 Scanner device with main screen showing diagnostic options.

2. What's in the Box

- KINGBOLEN S500 OBD2 SCANNER device
- OBD2 Diagnostic Cable
- User Manual

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Video 1: Unboxing the KINGBOLEN S500 Scanner, showing the device and included accessories.

3. Product Features

- **Enhanced 4 Systems Diagnostics:** Scans ABS, SRS (airbag), Engine (ECM), and Transmission (TCM/Trans) systems.
- **6 Special Services:** Includes Oil Reset, BRAKE Reset, Throttle Matching (ETS), SAS, Inject Reset, and ABS Bleed Reset.
- **5-Inch Touch Screen:** Equipped with a durable Gorilla Glass touch screen (800x480 resolution).

- **High Performance:** Features a 3GHz 4-core CPU, 2GB RAM, and 32GB internal memory (expandable to 256GB).
- **Auto VIN:** Automatically identifies vehicle VIN and information for quick diagnosis.
- **10 FULL OBDII Test Modes:** Supports all OBDII test modes for emission-related issues.
- **Lifetime Free WiFi Update:** Ensures access to the newest software and vehicle models without additional fees.
- **Multi-language Support:** Supports 21 languages including English, French, German, Italian, Spanish, and more.



Figure 2: Diagram illustrating the 4 major systems scanned: Engine, Transmission, ABS, and SRS.

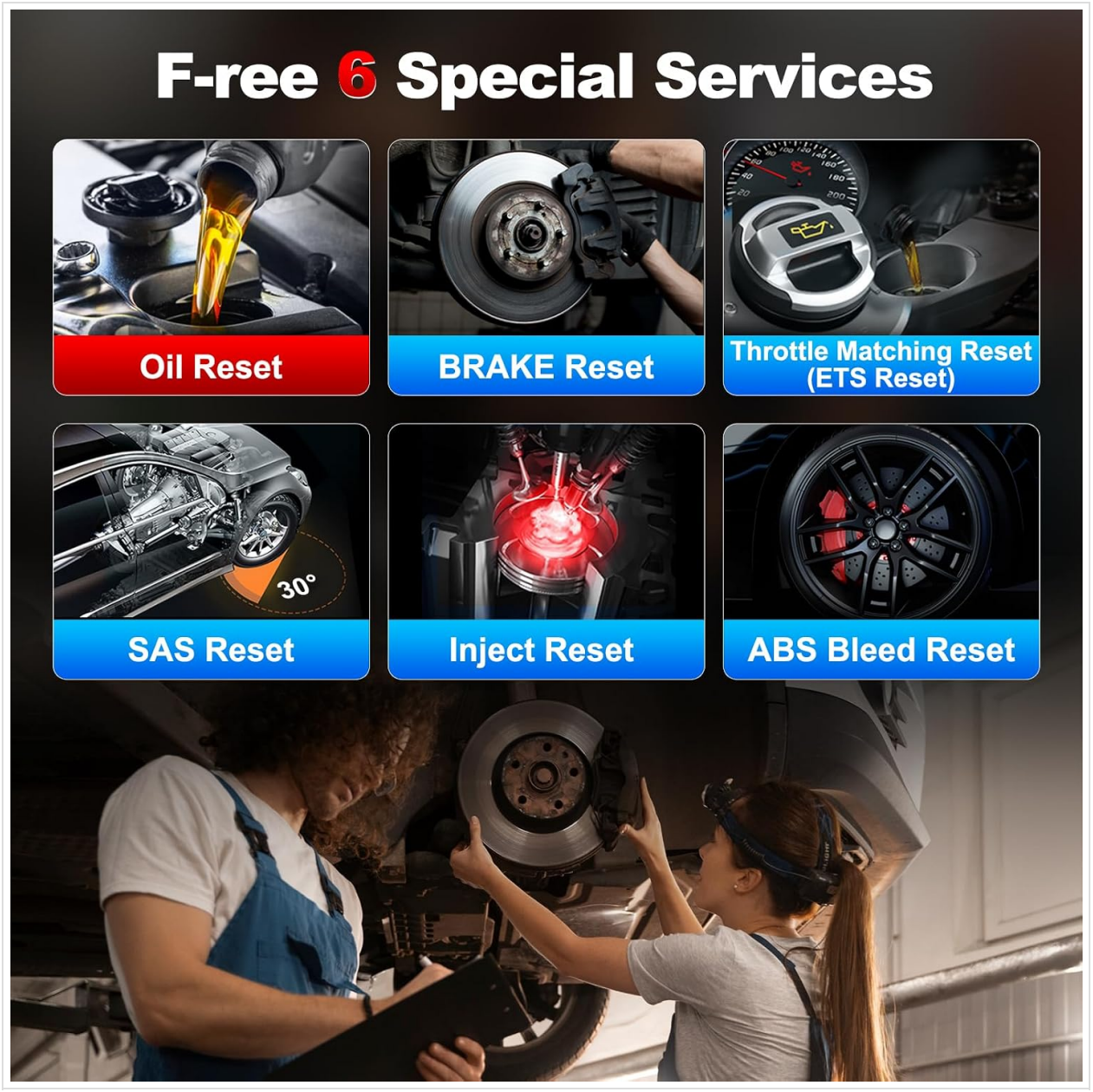


Figure 3: Visual representation of the 6 special service functions: Oil Reset, BRAKE Reset, Throttle Matching (ETS), SAS Reset, Inject Reset, and ABS Bleed Reset.



Figure 4: Overview of the S500's hardware features including screen size, CPU, Android OS, Bluetooth, battery, and OBD2 cable length.

4. Setup

1. **Charge the Device:** Ensure the KINGBOLEN S500 is sufficiently charged before first use.
2. **Connect to Vehicle:** Locate the OBD2 port in your vehicle (usually under the dashboard) and connect the diagnostic cable to the scanner and the vehicle's OBD2 port.
3. **Power On:** Turn the vehicle's ignition to the "ON" position (engine off). The scanner will power on automatically.
4. **Initial Setup (WiFi):** For the first use, connect the device to a Wi-Fi network to download and update car model data packets.

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Video 2: Demonstrates connecting the scanner to the vehicle and initial Wi-Fi setup for software download.

5. **Language Selection:** Navigate to 'Settings' to select your preferred language (21 languages supported).

5. Operating Instructions

5.1. Basic Diagnostics (OBDII)

The KINGBOLEN S500 supports all 10 OBDII test modes for emission-related issues.

1. **Connect & Power On:** Ensure the scanner is connected to the vehicle and powered on.
2. **Select OBD:** From the main menu, tap on the "OBD" icon.
3. **Scan:** The scanner will automatically search for the vehicle's protocol.
4. **Read Fault Codes:** Select "Read Fault Code" to view current, pending, or permanent Diagnostic Trouble Codes (DTCs).
5. **Clear Fault Codes:** Select "Clear Fault Code" to erase DTCs and turn off the Malfunction Indicator Light (MIL).

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Video 3: Practical demonstration of connecting the scanner and performing basic OBDII functions like reading and clearing fault codes.



Figure 5: Interface showing various full OBD2 functions including Read Codes, Erase Codes, Live Data, and DTC Lookup.

5.2. Advanced Diagnostics (4 Systems)

The S500 can diagnose Engine, Transmission, ABS, and SRS systems.

1. **Select Diagnostics:** From the main menu, tap on the "Diagnostics" icon.
2. **Auto Search / Manual Select:** The device will attempt to auto-detect the vehicle's VIN. If unsuccessful, you can manually select the vehicle make, model, and year.
3. **System Selection:** Choose the system you wish to diagnose (e.g., Engine, ABS, SRS, TCM).
4. **View Data:** Read fault codes, view live data streams, or generate a health report.

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Video 4: Quick overview of the KINGBOLEN S500's diagnostic capabilities, including Auto VIN and system scanning.

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Video 5: Demonstration of the scanner's auto-search function for vehicle VIN and basic system checks.

5.3. Live Data Stream & Health Report

Monitor real-time data from various sensors and generate comprehensive vehicle health reports.

1. **Select Live Data:** After selecting a system, choose "Live Data Stream" to view parameters.
2. **Graphing:** The S500 can display 4-in-1 data stream graphics for quick analysis.
3. **Record & Report:** Record live data sessions and generate a full diagnostic report. Reports can be shared via QR code or email.



Figure 6: Screen showing 4-in-1 live data stream graphing for detailed analysis of vehicle parameters.



Figure 7: Example of a professional diagnostic report generated by the S500, showing inspection results and vehicle information.

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Video 6: Detailed review of the S500's live data stream and reporting features, including how to interpret graphs and share reports.

6. Maintenance Functions

The S500 provides quick access to commonly used service resets.

1. **Select Maintenance:** From the main menu, tap on the "Maintenance" icon.
2. **Choose Reset Function:** Select the desired reset service (e.g., Oil Reset, BRAKE Reset, SAS Reset).
3. **Follow On-Screen Prompts:** The device will guide you through the specific steps for each reset function.

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Video 7: Demonstration of various maintenance functions, including ABS bleeding and oil reset.

7. Troubleshooting

If you encounter issues, refer to the following common solutions:

- **Device Not Powering On:** Ensure the OBD2 cable is securely connected to the vehicle's port and the ignition is ON. Check vehicle battery voltage.
- **Communication Error:** Verify the vehicle's ignition is ON. Check for loose connections. Ensure the vehicle's ECU is compatible with the scanner.
- **VIN Auto-Detection Failure:** Manually enter the VIN information if auto-detection fails.
- **Software Update Issues:** Ensure a stable Wi-Fi connection. Restart the device and try updating again.
- **DTC Lookup/Google Search:** Use the built-in DTC library or Google search function for detailed code explanations and repair tips.

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Video 8: Shows how to use the built-in DTC lookup and Google search features for troubleshooting.

For further assistance, you can use the "Feedback" function within the device settings to contact KINGBOLEN support.

Example Diagnostic Report

8. Specifications

Feature	Detail
Brand	KINGBOLEN
Model	S500 OBD2 scanner
Product Dimensions	8.98"L x 2"W x 6.1"H
Operating System	Android 6.0
Display Resolution	800x480
Item Weight	2.16 pounds
Battery	1 Lithium Polymer batteries required.

9. Warranty & Support

The KINGBOLEN S500 OBD2 Scanner comes with a 1-year warranty and 30-day unconditional return policy. For any vehicle issues or technical support, please message KINGBOLEN Official US on Amazon or email Support@kingbolen.com.

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