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KINGBOLEN KINGBOLEN YA200

KINGBOLEN YA200 OBD2 Scanner Instruction Manual

Model: KINGBOLEN YA200 | Brand: KINGBOLEN

1. INTRODUCTION

The KINGBOLEN YA200 OBD2 Scanner is a practical and versatile diagnostic tool designed for automotive enthusiasts and professionals. It supports full OBDII functions, allowing users to read and erase fault codes, view live data streams, perform I/M readiness checks, and conduct voltage tests. This manual provides detailed instructions for setting up, operating, and maintaining your YA200 scanner to ensure optimal performance and accurate vehicle diagnostics.

2. PACKAGE CONTENTS

Upon opening the package, please verify that all items listed below are present and in good condition:

- 1 × KINGBOLEN YA200 Code Reader
- 1 × USB Cable
- 1 × User Manual



Image: Contents of the KINGBOLEN YA200 package, showing the scanner, USB cable, and user manual.

3. SETUP

The KINGBOLEN YA200 scanner is designed for plug-and-play operation, requiring no batteries for use as it draws power directly from the vehicle's OBDII port.

- 1. Locate the OBDII Port:** The OBDII (On-Board Diagnostics II) port is typically located under the dashboard on the driver's side of the vehicle. Refer to your vehicle's owner's manual if you have difficulty locating it.
- 2. Connect the Scanner:** Plug the OBDII connector cable from the YA200 scanner firmly into your vehicle's OBDII port.
- 3. Power On:** Once connected, the scanner will automatically power on and display the main menu. If the device does not power on, ensure the vehicle's ignition is in the 'ON' position (engine off or running, depending on the test).

Video: Demonstration of connecting the KingboLEN YA200 OBD2 scanner to a vehicle's OBDII port and navigating its basic functions.

4. OPERATING INSTRUCTIONS

The YA200 scanner offers a user-friendly interface with dedicated hotkeys for quick access to common functions.



Image: Overview of the KINGBOLEN YA200's enhanced OBD2 scanner full functions menu.

4.1. Hot-key Functions

The YA200 is equipped with three convenient hotkeys for quick access:

- **One-key DTC (F1):** Quickly looks up Pending Codes stored in the scan tool.
- **One-key VIN (F2):** Displays the vehicle identification number (VIN).
- **One-key I/M Readiness (F3):** Provides a quick check of the vehicle's emission readiness status and drive cycle verification.

Convenient Hotkey Design, Easy To Use

One-key DTC, VIN & I/M Readiness



Image: Close-up of the KINGBOLEN YA200's convenient hotkey design for quick access to DTC, VIN, and I/M Readiness functions.

4.2. Read/Erase Codes

This function allows you to retrieve Diagnostic Trouble Codes (DTCs) from the vehicle's Engine Control Module (ECM) and clear them.

- **Read Codes:** Select 'Diagnosis' from the main menu, then 'Read Codes' to view stored, pending, and permanent codes.
- **Erase Codes:** After addressing the underlying issue, select 'Erase Codes' to turn off the Check Engine Light (MIL) and clear diagnostic information.

4.3. Live Data & Voltage Test

Monitor real-time operational parameters of the vehicle's engine and electrical system.

- **Live Data:** View Parameter Identification Data (PIDs) in textual or graphical format. This includes engine RPM, coolant temperature, fuel system status, and more. The device supports recording and playback of live data for detailed analysis.
- **Voltage Test:** Detect and display the car battery voltage in real-time, showing maximum and minimum values

graphically. This helps assess battery condition.

Accurate Real-time Data Flow Supports Graphical Recording and Playback

Information	
DTC	0
MIL STS	MIL OFF
FUELSYS1	0L
FUELSYS2	0L
LOAD_PCT	0.0%
ECT	2°C
SHRTFT1	-0.0%
LONGFT1	-0.0%

Information	
SHRTFT2	-0.0%
LONGTT2	-0.8%
LMAP	0kPa
RPM	0Rpm
NSS	0Km/h
SPARKADV	0.0°
ITA	-40°C
TP	100.0%

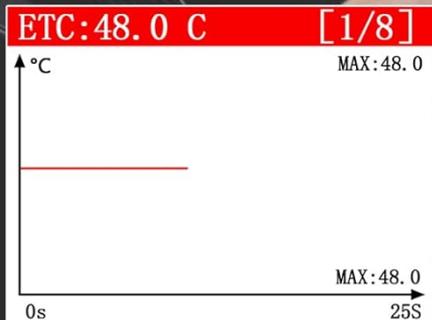
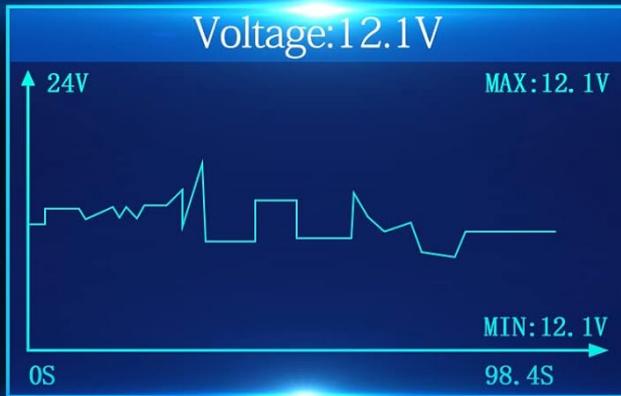


Image: The KINGBOLEN YA200 showing real-time data stream with options for graph display, record, and playback.

Voltage Test (only 12V Cars)

Max Value & Min Value by Graph In Real Time



Plug & Play



Image: The KINGBOLEN YA200 conducting a voltage test, displaying real-time voltage fluctuations on a graph.

4.4. I/M Readiness

This function checks whether the vehicle's emission system components are operating normally and have completed their diagnostic tests.

I/M Readiness

Check whether the vehicle emission system operates normally!



Image: The I/M Readiness screen on the KINGBOLEN YA200, indicating the status of various emission monitors.

4.5. DTC Lookup

The DTC Lookup feature allows you to search for the definition of a Diagnostic Trouble Code directly on the device. Simply enter the code, and the scanner will provide its meaning and possible causes.

4.6. Screenshot Function

The YA200 includes a screenshot function. Press the up and down keys simultaneously for 3-5 seconds to capture a screenshot. The device can store up to 10 screenshots for later review.

5. COMPATIBILITY

The KINGBOLEN YA200 OBD2 Scanner offers broad compatibility with a wide range of vehicles and supports multiple languages.

- **Vehicle Compatibility:** Supports 9 OBDII protocols (ISO15765-4 (CAN), ISO14230-4 (KWP2000), ISO9141-2, J1850 VPW, J1850 PWM). Compatible with most US-based cars manufactured after 1996, and EU-based and

Asian cars manufactured after 2000. (Note: Not compatible with Kia, Hyundai, or 24V heavy trucks).

- **Language Support:** Supports 9 languages including English, French, Russian, Spanish, German, Italian, Portuguese, Polish, and Traditional Chinese.

Extensive Car Compatibility, Easily Meet Your Various Needs



The image shows the KINGBOLEN YA200 scanner with three callout boxes. The first box, labeled 'America after 1996', features a red sports car. The second box, labeled 'Europe after 2000', features a silver sedan. The third box, labeled 'Asia after 2000', features a white sedan. The scanner's screen displays nine language options with their respective flags: English, Français, Русский, Deutsch, Italiano, Polska, Español, Português, and 中文(繁). Below the screen are buttons for DTC (F1), VIN (F2), and I/M (F3), a directional pad, and an OK button. The scanner is labeled 'OBDII/EOBD+CAN' and 'KINGBOLEN®'.

9 Languages

English, French, Russian, German, Italian, Polish, Spanish, Portuguese, and Traditional Chinese.



A row of nine circular icons representing the flags of the supported languages: United Kingdom (English), France (French), Russia (Russian), Germany (German), Italy (Italian), Poland (Polish), Spain (Spanish), Portugal (Portuguese), and China (Traditional Chinese).

Image: Visual representation of the KINGBOLEN YA200's wide automotive compatibility and multi-language support.

6. MAINTENANCE

To ensure the longevity and optimal performance of your KINGBOLEN YA200 scanner, follow these maintenance guidelines:

- **Software Updates:** The device supports lifetime free updates via USB cable. Connect the scanner to a computer using the provided USB cable and visit the official KINGBOLEN website for the latest software. (Note: The product description indicates the latest version may not require immediate upgrade).
- **Cleaning:** Use a soft, dry cloth to clean the scanner's screen and body. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the scanner in a cool, dry place away from direct sunlight and extreme temperatures when not in use.

7. TROUBLESHOOTING

If you encounter any issues while using your KINGBOLEN YA200 scanner, please refer to the following common troubleshooting tips:

- **No Power:** Ensure the OBDII cable is securely connected to the vehicle's port and the vehicle's ignition is in the 'ON' position. Check the vehicle's fuse for the OBDII port if the issue persists.
- **Link Error:** If the scanner displays a 'Link Error' message, verify that the vehicle is OBDII compliant and that the connection is stable. Some older or non-standard vehicles may not be fully compatible.
- **Codes Not Clearing:** Ensure that the underlying issue causing the fault code has been resolved before attempting to erase codes. If the problem persists, the code may reappear.
- **Screen Issues:** If the screen is unresponsive or displays incorrectly, try restarting the device by disconnecting and reconnecting it to the vehicle.

For more complex issues, please contact KINGBOLEN customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	KINGBOLEN
Model	KINGBOLEN YA200
Screen Size	2.4 inch TFT Color Screen
Display Resolution	320 x 240 pixels
Operating Voltage	9V - 16V
Item Weight	8.4 ounces
Product Dimensions	5.4 x 3.1 x 0.9 inches
Supported Protocols	ISO15765-4 (CAN), ISO14230-4 (KWP2000), ISO9141-2, J1850 VPW, J1850 PWM
Supported Languages	English, French, Russian, Spanish, German, Italian, Portuguese, Polish, Traditional Chinese

9. WARRANTY & SUPPORT

The KINGBOLEN YA200 OBD2 Scanner typically comes with a standard return policy of 30 days from the date of purchase. For specific warranty details, including coverage and duration, please refer to the warranty card included in your product packaging or visit the official KINGBOLEN website.

For technical support, troubleshooting assistance, or any inquiries regarding your product, please contact KINGBOLEN customer service through their official channels. Keep your purchase receipt and product model information handy when seeking support.