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› XAUCY YA200 OBD2 Scanner User Manual

## XAUCY YA200

# XAUCY YA200 OBD2 Scanner User Manual

Comprehensive Instructions for Operation and Maintenance

## 1. INTRODUCTION

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This manual provides detailed instructions for the proper use and maintenance of your XAUCY YA200 OBD2 Scanner. The YA200 is a multilingual diagnostic tool designed to assist in identifying and resolving issues related to your vehicle's engine and emissions systems. It supports full OBD2 functions, including reading and clearing Diagnostic Trouble Codes (DTCs), I/M Readiness checks, live data streaming, and more.

Please read this manual thoroughly before operating the device to ensure correct usage and to maximize its diagnostic capabilities.

## 2. PRODUCT OVERVIEW

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The XAUCY YA200 OBD2 Scanner is a compact and user-friendly device equipped with a 2.4-inch TFT color screen and intuitive navigation buttons. It connects to your vehicle's On-Board Diagnostics (OBD2) port to retrieve critical information.

### Key Features:

- Full OBD2/EOBD+CAN functions for comprehensive vehicle diagnosis.
- Multilingual support (English, French, Russian, German, Italian, Spanish, Portuguese, Polish, Traditional Chinese).
- Real-time car battery voltage check.
- One-click I/M Readiness for quick emissions status verification.
- DTC Lookup function for detailed code explanations.
- Lifetime free updates via PC.
- Plug and Play operation.



Image: Front view of the XAUCY YA200 OBD2 Scanner, showing the screen with "Diagnosis", "DTC Lookup", "Battery", and "Settings" options, along with navigation buttons and the OBDII/EOBD+CAN label.



Image: Diagram highlighting the multifunctional features of the YA200, including One-Key DTC, One-Key VIN, One-Key I/M Readiness, 2.4 Inch TFT Color Screen, Screenshot, Battery Voltage Test, 9 Languages Support, Plug and Play, and Lifetime Free Update via PC.

### 3. SETUP

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### 3.1 Connecting the Scanner

1. Locate the 16-pin Data Link Connector (DLC) in your vehicle. This port is typically found under the dashboard on the driver's side.
2. Ensure the vehicle's ignition is in the **OFF** position.
3. Plug the YA200 scanner's OBD2 connector firmly into the vehicle's DLC.
4. Turn the vehicle's ignition to the **ON** position (engine can be off or running, depending on the test). The scanner will power on automatically.



Image: A hand plugging the XAUCY YA200 OBD2 Scanner into a vehicle's OBD2 port, illustrating the "Plug & Play" functionality.

### 3.2 Language Selection

Upon initial power-up or via the "Settings" menu, you can select your preferred language. The YA200 supports English, French, Russian, German, Italian, Spanish, Portuguese, Polish, and Traditional Chinese.

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## 4. OPERATING INSTRUCTIONS

Navigate through the scanner's menu using the directional buttons and confirm selections with the **OK** button. The **Return** button allows you to go back to the previous screen.

### 4.1 Main Menu Functions

From the main menu, you can access the following primary functions:

- **Diagnosis:** Accesses all OBD2 diagnostic functions.
- **DTC Lookup:** Provides definitions for Diagnostic Trouble Codes.
- **Battery:** Performs a real-time battery voltage test.
- **Settings:** Configures device preferences such as language and unit.

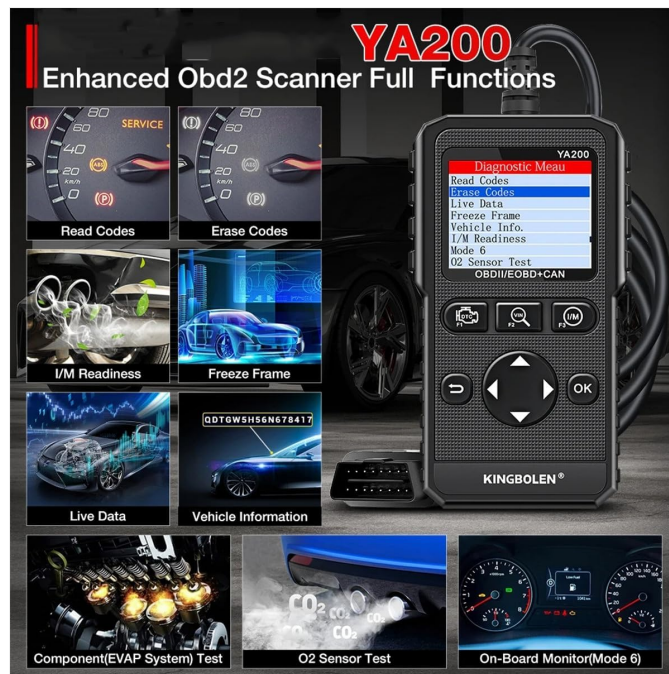


Image: The XAUCY YA200 scanner displaying its diagnostic menu, including options like Read Codes, Erase Codes, Live Data, Freeze Frame, Vehicle Info, I/M Readiness, O2 Sensor Test, and On-Board Monitor.

## 4.2 OBD2 Diagnostic Functions

Within the "Diagnosis" menu, the YA200 supports all 10 modes of OBDII tests:

1. **Reading Codes:** Displays detailed descriptions of current, pending, and permanent Diagnostic Trouble Codes (DTCs).
2. **Erasing Codes & Reset:** Clears DTCs from the vehicle's computer and turns off the Check Engine Light (MIL). This also resets monitors.
3. **Data Stream:** Shows live ECU/PCM data stream, which can be viewed graphically (waveform) and stored.
4. **I/M Readiness Status:** Indicates whether the vehicle's emissions-related systems are operating correctly and are ready for inspection and maintenance testing.



Image: The XAUCY YA200 scanner showing the I/M Readiness screen, indicating the status of various emission monitors (e.g., MIL, MIS, FUE, CCM, CAT, HCAT, AIR, O2S, HTR, EGR) with "OK", "INC" (Incomplete), or "N/A" (Not Applicable) indicators.

5. **View Freeze Frame Data:** Captures a snapshot of vehicle operating conditions at the moment an emission-

related fault occurs.

6. **O2 Sensor Test:** Retrieves and displays O2 sensor monitor test results for the most recently performed tests.
7. **On-Board Monitor Test:** Retrieves and displays test results for emission-related powertrain components and systems that are not continuously monitored.
8. **EVAP System Test:** Initiates a leak test for the vehicle's Evaporative Emission Control System.
9. **Vehicle Information Retrieval:** Displays information such as VIN (Vehicle Identification Number), CID (Calibration ID), and CVN (Calibration Verification Number).
10. **Component Test:** Allows certain vehicle components to be actuated by commands sent from the scanner to test their operability.

### 4.3 One-Click Functions

The YA200 features dedicated buttons for quick access to frequently used functions:

- **F1 (DTC):** One-key DTC lookup for pending codes stored in the tool.
- **F2 (VIN):** One-key display of the vehicle identification number.
- **F3 (I/M):** One-key I/M Readiness check for quick emission status and drive cycle verification.



Image: The XAUCY YA200 scanner held in a hand, with labels pointing to the F1, F2, and F3 buttons and their respective "One-key DTC", "One-key VIN", and "One-key I/M Readiness" functions.

### 4.4 Battery Voltage Test

The YA200 can perform a real-time voltage test for 12V car batteries. This function displays the maximum and minimum voltage values graphically over time, helping to assess battery health.



Image: The XAUCY YA200 scanner screen displaying a real-time voltage test graph, showing current, maximum, and minimum voltage values for a 12V car battery.

## 5. MAINTENANCE

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### 5.1 Cleaning the Device

To maintain the scanner's performance and appearance, clean its exterior regularly with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the screen or casing.

### 5.2 Software Updates

The XAUCY YA200 offers lifetime free software updates via PC. Regularly updating the device ensures compatibility with newer vehicle models and provides access to improved features and bug fixes. Refer to the manufacturer's website for detailed instructions on how to perform software updates.

## 6. TROUBLESHOOTING

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If you encounter issues while using the YA200 scanner, refer to the following common problems and solutions:

- **Scanner does not power on:**
  - Ensure the OBD2 connector is securely plugged into the vehicle's DLC.
  - Verify the vehicle's ignition is in the ON position.
  - Check the vehicle's battery voltage.
- **"Link Error" or "No Communication" message:**
  - Confirm the vehicle supports the OBD2 protocol (most vehicles from 1996 onwards in the US, 2003 in EU, 2008 in Asia).
  - Check for a blown fuse in the vehicle's OBD2 circuit.
  - Ensure the ignition is ON.
  - Try the scanner on a different OBD2-compliant vehicle to rule out scanner malfunction.
- **Incorrect data displayed:**
  - Ensure the correct vehicle information (VIN, etc.) is being read.

- Perform a software update to ensure the latest firmware is installed.

For further assistance, please contact XAUCY customer support.

## 7. SPECIFICATIONS

Feature	Detail
Model	YA200
Display	2.4-inch TFT Color Screen
Supported Protocols	All OBDII protocols (CAN, J1850 PWM, J1850 VPW, ISO9141, KWP2000)
Operating Voltage	9-16V (from vehicle OBD2 port)
Supported Languages	English, French, Russian, German, Italian, Spanish, Portuguese, Polish, Traditional Chinese
Dimensions	Approximately 5.4 inches (Height) x 3.1 inches (Width)
Weight	Approximately 10.6 ounces (0.3 kg)
Vehicle Coverage	Most 1996 US-based, 2003 EU-based, and 2008 Asian (OBDII & CAN) vehicles, including passenger cars, SUVs, light trucks.



Image: Diagram illustrating the XAUCY YA200's model coverage, specifying compatibility with American cars from 2000, European cars from 2003, Japanese and Korean cars from 2008, and Chinese cars from 2004.

## 8. WARRANTY AND SUPPORT

The XAUCY YA200 OBD2 Scanner comes with lifetime free software updates, ensuring your device remains current and compatible with evolving vehicle technologies. For specific warranty details, technical support, or any inquiries not covered in this manual, please refer to the official XAUCY website or contact their customer service department directly.

Contact information can typically be found on the product packaging or the manufacturer's official website.

