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Aramox V318

Aramox V318 OBD2 Scanner User Manual

Model: V318

1. Introduction

Thank you for choosing the Aramox V318 OBD2 Scanner. This device is designed to assist in diagnosing vehicle issues by reading and clearing diagnostic trouble codes (DTCs), displaying live data, and performing various system tests. It is a reliable tool for both professional technicians and car enthusiasts. Please read this manual thoroughly before operating the device to ensure proper use and to maximize its functionality.

2. Product Overview

The Aramox V318 OBD2 Scanner features a compact design with a 1.8-inch color display, making it portable and easy to read. It is constructed from durable ABS plastic, ensuring longevity and resistance to impact.

2.1 Key Features

- Quickly reads and clears car engine fault codes.
- Turns off the Malfunction Indicator Light (MIL).
- Displays freeze frame data.
- Checks I/M readiness status.
- Retrieves vehicle information (VIN, CIN, CVN).
- Reads live data stream.
- Provides real-time graphing of data.
- Performs Oxygen (O2) sensor tests.
- Supports Evaporative Emission Control System (EVAP) tests.
- Supports 10 languages: German, Dutch, English, Spanish, French, Italian, Russian, Chinese, Japanese, Korean.
- CE, FCC, ROHS, UKCA certified.

2.2 Components

The scanner consists of the main unit with a display and control buttons, and an integrated OBD-II connector cable.



Image 2.2.1: Front view of the Aramox V318 OBD2 Scanner, highlighting the 1.8-inch color screen, navigation buttons (Up, Down, ESC, I/M, OK), and the universal OBD plug.



Image 2.2.2: Close-up view of the scanner's control buttons: ESC (Escape/Back), I/M (I/M Readiness), OK (Confirm), and directional arrows (Up/Down).



Image 2.2.3: Detailed view of the standard 16-pin OBD-II connector plug, used to connect the scanner to the vehicle's diagnostic port.

3. Setup

The Aramox V318 OBD2 Scanner is designed for ease of use and requires no assembly. It is powered directly from the vehicle's OBD-II port.

3.1 Connecting the Scanner to Your Vehicle

1. Locate the vehicle's 16-pin Data Link Connector (DLC). This port is typically located under the dashboard on the driver's side, but its exact position may vary by vehicle model. Refer to your vehicle's owner's manual if you cannot find it.
2. Ensure the vehicle's ignition is in the "OFF" position.
3. Firmly plug the OBD-II connector of the scanner into the vehicle's DLC.
4. Turn the vehicle's ignition to the "ON" position (do not start the engine). The scanner will power on automatically.
5. The scanner will establish communication with the vehicle's onboard computer. This may take a few moments.



Image 3.1.1: Illustration of a mechanic connecting an OBD2 scanner to a vehicle's diagnostic port, typically found under the dashboard.

4. Operating Instructions

Once connected and powered on, the scanner will display the main menu. Use the directional buttons (Up/Down) to navigate through menu options and the **OK** button to select. The **ESC** button is used to go back to the previous screen or exit a function. The **I/M** button provides quick access to I/M Readiness status.



Image 4.0.1: The main interface of the V318 scanner, showing key diagnostic functions such as Read Codes, Erase Codes, View Freeze Frame, I/M Readiness, and Data Stream.

4.1 Reading Diagnostic Trouble Codes (DTCs)

1. From the main menu, select "Read Codes" and press **OK**.
2. The scanner will communicate with the vehicle and display any stored DTCs.
3. Each code will be accompanied by a brief description. Use the Up/Down buttons to scroll through multiple codes if present.

4.2 Clearing Diagnostic Trouble Codes (DTCs)

Warning: Clearing DTCs will also clear all stored diagnostic data. Ensure you have recorded any necessary information before proceeding.

1. From the main menu, select "Erase Codes" and press **OK**.
2. Confirm your selection when prompted.
3. The scanner will clear the codes and turn off the Malfunction Indicator Light (MIL).

4.3 Viewing Freeze Frame Data

Freeze Frame Data records the vehicle's operating conditions at the moment a DTC was set. This can be helpful for diagnosing intermittent problems.

1. From the main menu, select "View Freeze Frame" and press **OK**.
2. The scanner will display various parameters such as engine RPM, vehicle speed, coolant temperature, etc., recorded when the fault occurred.

4.4 I/M Readiness Status

I/M Readiness indicates whether the various emissions-related systems on the vehicle are operating correctly and have completed their diagnostic tests. This is often used for emissions inspections.

1. From the main menu, select "I/M Readiness" or press the dedicated **I/M** button.
2. The scanner will display the status of various monitors (e.g., O2 Sensor Monitor, EVAP System Monitor) as "OK" (completed) or "INC" (incomplete).



Image 4.4.1: The scanner screen showing a diagnostic menu, trouble codes (P0230 Fuel Pump Primary Circuit), I/M readiness status (MIL Status ON, Misfire Monitor OK), and O2 sensor data.

4.5 Data Stream and Real-time Graphing

This function allows you to view live sensor data from the vehicle's engine control unit (ECU) in real-time, either as numerical values or graphical representations.

1. From the main menu, select "Data Stream" and press **OK**.
2. Choose the parameters you wish to monitor.
3. The scanner will display the live data. Some parameters can be viewed as a real-time graph for easier analysis.

4.6 Language Settings

The device supports 10 languages. To change the language:

1. From the main menu, select "Setup" and press **OK**.
2. Navigate to "Language" and press **OK**.

3. Select your desired language from the list and press **OK** to confirm.

5. Maintenance

The Aramox V318 OBD2 Scanner requires minimal maintenance.

- Keep the device clean by wiping it with a soft, dry cloth.
- Avoid exposing the scanner to extreme temperatures, moisture, or direct sunlight.
- Do not use abrasive cleaners or solvents.
- Store the device in a safe place when not in use to prevent damage to the screen or cable.

6. Troubleshooting

6.1 Device Does Not Power On

- Ensure the OBD-II connector is firmly plugged into the vehicle's DLC.
- Verify the vehicle's ignition is in the "ON" position (engine off).
- Check the vehicle's fuse for the OBD-II port. Consult your vehicle's owner's manual for fuse box location and relevant fuse.

6.2 Communication Error

- Ensure the vehicle supports the OBD-II protocol. Most vehicles manufactured after 1996 (USA), 2001 (EU gasoline), or 2004 (EU diesel) are OBD-II compliant.
- Verify the connection is secure.
- Turn off the ignition, disconnect the scanner, wait a few seconds, then reconnect and turn the ignition back on.
- Try the scanner on another OBD-II compliant vehicle to rule out a scanner malfunction.

6.3 Screen Freezes or Responds Slowly

- Disconnect the scanner from the vehicle and reconnect it.
- Ensure the vehicle's battery voltage is stable. Low voltage can sometimes affect scanner performance.

7. Specifications

Feature	Detail
Model	V318
Brand	Aramox
Screen	1.8-inch Color Display
Material	ABS Plastic
Power Source	Vehicle OBD-II Port (Electric Cable Power)
Supported Protocols	SAE J1850 PWM, SAE J1850 VPW, ISO9141-2, ISO14230-4 KWP (5 baud init & fast init), ISO15765-4 CAN (11-bit ID & 29-bit ID, 500 Kbps & 250 Kbps)
Supported Languages	German, Dutch, English, Spanish, French, Italian, Russian, Chinese, Japanese, Korean

Feature	Detail
Certifications	CE, FCC, ROHS, UKCA
Dimensions (Package)	16 x 7 x 6 cm
Weight (Item)	196 g

8. Warranty and Support

Aramox is committed to providing quality products and customer satisfaction. If you encounter any issues or have questions regarding your V318 OBD2 Scanner, please refer to the seller's support information provided at the point of purchase. The product description mentions a professional service team available to assist with any problems.
For further assistance, please contact the retailer or manufacturer directly.

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