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- > MUCAR CDE900 OBD2 Scanner, DIY OBD2 Car Code Reader Diagnostic Scan Tool,4" Touchscreen & Android 6.0,AutoVIN,Emission Test,Live Data,DTC Lookup,One-Click Update & Print,Built-in Online Service

mucar CDE900

MUCAR CDE900 OBD2 Scanner User Manual

Model: CDE900 | Brand: MUCAR

1. PRODUCT OVERVIEW

The MUCAR CDE900 is a versatile OBD2 diagnostic scan tool designed for DIY enthusiasts and professionals. It features a 4-inch touchscreen, runs on Android 6.0, and offers comprehensive OBDII/EOBD diagnostic functions. This tool allows for quick and accurate vehicle health checks, including reading and clearing fault codes, viewing live data, and performing emission tests. Its expandable software capabilities provide additional diagnostic and maintenance functions.



Figure 1: Front view of the MUCAR CDE900 OBD2 Scanner, showing its 4-inch touchscreen display and navigation buttons.



Figure 2: Detailed diagram of the MUCAR CDE900, highlighting its components including the OBD2 interface, TF card slot, Type-C interface, power/screen lock button, selection buttons, return button, OK button, 4-foot OBD2 cable, and non-slip silicone surface.

2. SETUP

2.1. What's in the Box

- 1x MUCAR CDE900 OBD2 Scanner

2.2. Initial Power-Up

The MUCAR CDE900 features a built-in 1500mAh battery. The device will power on automatically when connected to a vehicle's OBD2 port. Alternatively, it can be powered via the Type-C interface (5V-1.2A) for initial setup or software updates.

2.3. Connecting to Your Vehicle

1. Locate the OBD2 port 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 'ON' position (engine can be off or running, depending on the test).
3. Connect the 4-foot OBD2 cable from the MUCAR CDE900 to your vehicle's OBD2 port.
4. The device will automatically power on and establish communication with the vehicle's onboard computer.

3. OPERATING INSTRUCTIONS

3.1. Navigating the Interface

The MUCAR CDE900 features a 4-inch touchscreen for intuitive navigation. You can also use the physical buttons for selection and confirmation, providing a comprehensive all-round guarantee for operation.

Your browser does not support the video tag.

Video 1: Demonstrates the MUCAR CDE900's interface navigation, including touchscreen and physical button usage, and highlights key features like plug-and-play functionality and core OBD2 functions.

3.2. Core OBD2 Functions

The MUCAR CDE900 provides 10 full OBD2 functions to diagnose vehicle issues:

- **DTC Lookup:** Allows you to manually enter fault codes and get detailed descriptions.
- **EVAP Test:** Monitors the integrity of the vehicle's evaporative emission control system.
- **Freeze Frame:** Captures a snapshot of critical vehicle data at the moment a fault code is set, aiding in diagnosis.
- **O2 Sensor Test:** Retrieves O2 sensor monitor test results for the most recently completed tests from the vehicle's onboard computer.
- **On-Board Monitor:** Retrieves results for emission-related powertrain components and systems that are not continuously monitored.
- **Vehicle Information:** Displays the vehicle identification number (VIN), calibration ID (CALID), and calibration verification number (CVN).
- **Read Codes:** Retrieves generic (P0, P2, P3, and U0) and manufacturer-specific (P1, P3, and U1) codes.
- **I/M Readiness:** Checks the readiness of the emission monitoring systems.
- **Clear Codes:** Erases diagnostic trouble codes (DTCs) from the vehicle's computer and turns off the Malfunction Indicator Lamp (MIL).
- **Live Data:** Displays real-time data streams from the vehicle's sensors and modules, allowing for graphical analysis of up to 120 data streams simultaneously.

ENHANCED OBD-II SCANNER

Quick Scan the Problems, Get the Right Answer



ECU
Information



Read
Fault Codes



Clear
Fault Codes



Freeze
Frame



Live
Data Streams



I/M Readiness



Check Engine Light



Pass Emission Test

Figure 3: Illustration of the MUCAR CDE900's enhanced OBD-II scanner features, including ECU Information, Read Fault Codes, Clear Fault Codes, Freeze Frame, Live Data Streams, I/M Readiness, Check Engine Light, and Pass Emission Test.

INTELLIGENT DIAGNOSTIC

Faster Fix Solutions

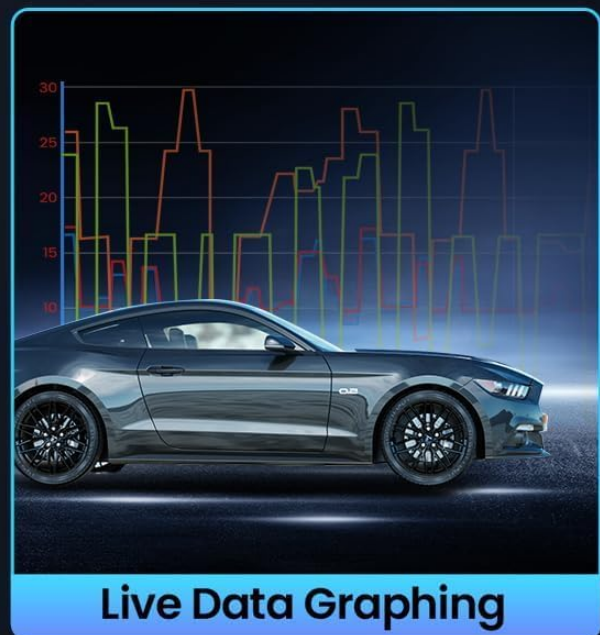


Figure 4: Overview of the MUCAR CDE900's intelligent diagnostic capabilities, such as Auto VIN Scan, Live Data Graphing, DTC Lookup Online, and Data Record & Playback.

3.3. DIY Expansion Software

The CDE900 offers optional software expansions to enhance its diagnostic capabilities:

- **4-System Diagnostic Tool:** Upgrade to diagnose ABS (Anti-lock Braking System), SRS (Supplemental Restraint System), TCM (Transmission Control Module), and ECM (Engine Control Module) for a one-time fee.
- **28-Reset Function Diagnostic Tool:** Expand with 28 reset functions, including Oil Reset, IMMO (Immobilizer) Reset, ETS (Electronic Throttle System) Reset, ABS Bleeding, Brake Reset, TPMS (Tire Pressure Monitoring)

System) Reset, and more. Each reset service function can be purchased individually or as a complete package.

COST-EFFECTIVE EXPANSION FUNCTIONS

Pay \$39.95 to expand 4-system diagnostic function:
ABS TCM SRS ECM(One-time fee, not a subscription)

4 IN 1 PACKAGE



ECMSRSTCMABS



ECM



ABS



SRS



TCM

4 IN 1 PACKAGE



ECMSRSTCMABS

Intelligent diagnostics for 4 module types:

Automotive ECM refers to the engine electronic control module, which has the function of continuously monitoring and controlling the normal operation of the engine. Automotive SRS airbag module is a protection module for passenger safety. Automotive TCM automotive transmission control module. Auto ABS Auto Brake Anti-lock Braking module.

\$39.95



MUCAR



Figure 5: Visual representation of the MUCAR CDE900's cost-effective expansion functions, detailing the 4-in-1 package for ECM, SRS, TCM, and ABS diagnostics.

4. MAINTENANCE

4.1. Software Updates (OTA)

The CDE900 supports lifetime updates via WiFi (Over-The-Air). Regularly check for updates to ensure your device has the latest vehicle coverage and diagnostic features. Connect the device to a stable Wi-Fi network and navigate to the update section in the settings menu.

4.2. Cleaning

To maintain the device, wipe the screen and exterior with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the device.

4.3. Storage

Store the MUCAR CDE900 in a dry, cool place away from direct sunlight and extreme temperatures. Keep it in its original packaging or a protective case when not in use to prevent damage.

5. TROUBLESHOOTING

5.1. Device Not Powering On / Not Charging

- Ensure the OBD2 cable is securely connected to both the device and the vehicle's OBD2 port.
- Verify the vehicle's ignition is in the 'ON' position.
- If using the Type-C port for charging, ensure the power adapter and cable are functioning correctly.
- The device has a 1500mAh battery; allow sufficient time for charging if the battery is depleted.

5.2. Communication Error / Not Connected

- Check that the OBD2 cable is firmly connected.
- Verify the vehicle's ignition is 'ON'.
- Ensure the vehicle is OBDII compliant (most vehicles after 1996 for US, 2000 for EU, 2008 for Asian cars).
- Try connecting the device to a different OBDII compliant vehicle to rule out a vehicle-specific issue.
- If the issue persists, perform a software update if available.

5.3. Inaccurate Readings or Functions

- Ensure the device software is up to date.
- Verify the vehicle information is correctly identified by the AutoVIN feature.
- Consult the DTC Library for detailed explanations of fault codes.

6. SPECIFICATIONS

Feature	Specification
Brand	mucar
Model	CDE900
Operating System	Android 6.0
Display	4-inch Touchscreen
Display Resolution	800x600
Item Weight	1.65 pounds
Product Dimensions	12.2 x 2.37 x 5.91 inches
Battery Capacity	1500mAh
Connectivity	OBD2 Cable, Type-C, Wi-Fi
Vehicle Coverage	Most OBD-II compliant vehicles after 1996 (US), 2000 (EU), 2008 (Asian)

HIGH-END CONFIGURATION

Easiest To Use

Plug & Play

17 Languages

4"
Screen

1.4GHz
Processor

2G
RAM

16G
ROM

1500mAh
Battery

Figure 6: High-end configuration details of the MUCAR CDE900, including its 4-inch screen, 1.4GHz processor, 2GB RAM, 16GB ROM, and 1500mAh battery.

EXTENSIVE VEHICLE COVERAGE

US Cars since
1996



EU Cars since
2000



Asian Cars Since
2008



Compatible with OBD2, EOBD, CAN Protocols

ISO 14230-4
(KWP2000)

ISO 15765-4
(CAN)

ISO 9141-2
(ISO)

ISO 14229
(UDS)

SAEJ 1850
(VPW&PWM)

Figure 7: Information on the extensive vehicle coverage of the MUCAR CDE900, compatible with US cars since 1996, EU cars since 2000, and Asian cars since 2008, supporting OBD2, EOBD, and CAN protocols.

7. WARRANTY AND SUPPORT

MUCAR provides professional online service support. For any technical assistance or inquiries, you can contact the highly trained technicians via the in-app chat feature. Alternatively, you may reach out to the official MUCAR brand

after-sales service mailbox at service@mucarco.com. A professional customer team is available to assist you.

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