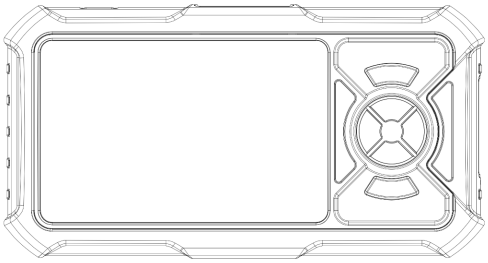


MUCAR CDE900 LITE

Quick Start Manual

Table of Contents

01 Warranty Terms

This warranty applies only to users and distributors who purchase MUCAR CDE900 LITE products through normal procedures. Provide free warranty within one year. MUCAR warranty including electronic products for damages caused by defects in materials or workmanship. Damages to the equipment or components caused by abusing, unauthorized modification, using for non-designed purposes, operation in a manner not specified in the instructions, etc.are not covered by this warranty. The compensation for dashboard damage caused by the defect of this equipment is limited to repair or replacement. MUCAR does not bear any indirect and incidental losses. MUCAR will judge the nature of the equipment damage according to its prescribed inspection methods.

Please contact Online Customers Service via the order interface.

Customer Service Email: support@mythinkcar.com

Official Website: www.mythinkcar.com

Products tutorial, videos, FAQ and coverage list are available on MUCAR official website.

02 IC And FCC Warnings

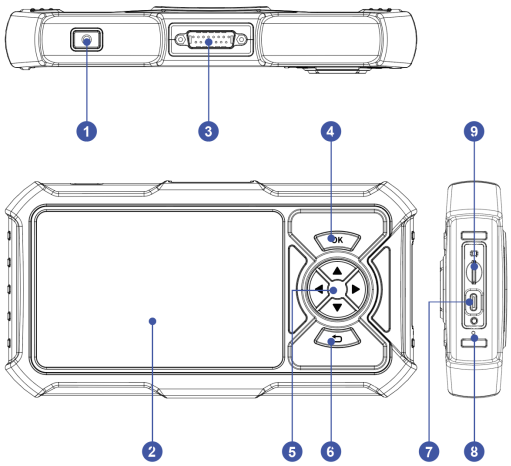
IC Requirement This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada’ s licenceexempt RSS(s). Operation is subject to the following two conditions: (1)This device may not cause interference. (2)This device must accept any interference, including interference that may cause undesired operation of the device. L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation,Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L 'exploitation est autorisée aux deux conditions suivantes : 1)L'appareil ne doit pas produire de brouillage; 2)L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement. IC WARNING Cet équipement est conforme aux limites d’exposition aux rayonnements ISED établies pour un environnement non contrôlé. L’utilisateur fi nal doit suivre les instructions spécifi ques pour satisfaire les normes. Cet émetteur ne doit pas être co-implanté ou fonctionner en conjonction avec toute autre antenne ou transmetteur. Le dispositif portatif est conçu pour répondre aux exigences d’exposition aux ondes radio établie par ledéveloppement énergétique DURABLE. Ces exigences un SAR limite de 1,6 W/kg en moyenne pour un gramme de tissu. La valeur SAR la 0.733W/kg plus élevée signalée en vertu de cette norme lors de la certifi cation de produit à utiliser lorsqu’il est correctement porté sur le corps.

FCC Requirement Changes or modifications not expressly approved by the party responsible for compliance could void the user’ s authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: – Reorient or relocate the receiving antenna. – Increase the separation between the equipment and receiver. – Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. – Consult the dealer or an experienced radio/TV technician for help. FCC WARNING This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. The mobile device is designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA). These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use when properly worn on the body is 0.733 W/kg. For body operation, this device has been tested and meets FCC RF exposure guidelines when used with any accessory that contains no metal and that positions a minimum of 15mm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

03 Introduction

MUCAR CDE900 LITE is developed by the most distinguished mind of the industry. It is specially designed to support all 10 OBDII service modes, including live data, O2 sensor test and more, on OBDII/EOBD compliant cars, SUVs, light-duty truck and mini-vans sold worldwide since 1996.

04 Product Description



• 1. Power/Screen Lock Button: Long press for 5 seconds to turn on or off.
• 2. Touch Screen: 5 inches (480*854 resolution).
• 3. Diagnostic cable interface: Diagnostic cable interface: plug in the diagnostic cable to connect to the car OBD connector.
• 4. OK Button: Confirm button.
• 5. Selection Buttons: Up, down, left and right direction selection.
• 6. TF Card Slot: Support expandable SD memory card (please purchase by yourself).
• 7. TYPE-C interface: Support 5V-1.2A charging voltage (please do not exceed this range).
• 8. Reset Button: Power on and off reset.
• 9. Return Button: Return to the previous step.

05 Technical Specifications

Display: 5" display.

Working Environment: 0~50℃ (32~122℉).

Storage Environment: -20~60℃ (-4~140℉).

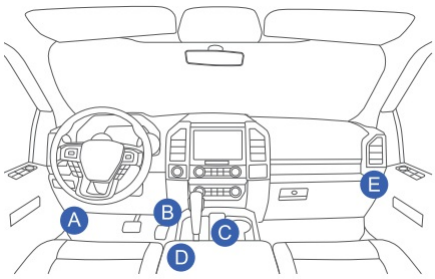
Working voltage: input 5V2A (2.5A max).

Supported Protocols:ISO 14230-4 KWP
ISO 15765-4 CAN
ISO 9141-2 ISO
SAE J1850 VPW
SAE J1850 PWM

06 How To Use

6.1 **Data Link Connector (DLC) Location**

The DLC (Data Link Connector or Diagnostic Link Connector) is typically a 16pin connector where diagnostic code readers interface with the vehicle's onboard computer. The DLC is usually located 12 inches from the center of the instrument panel (dash), under or around the driver's side for most vehicles. If Data Link Connector is not located under dashboard, a label should be there telling location. For some Asian and European vehicles, the DLC is located behind the ashtray and the ashtray must be removed to access the connector. If the DLC cannot be found, refer to the vehicle's service manual for the location.



Usually, the OBD port is located under the dashboard, above the pedal on the driver's side. The five locations shown lite the picture are common OBDII port locations.

6.2 Turn on the MUCAR CDE900 LITE

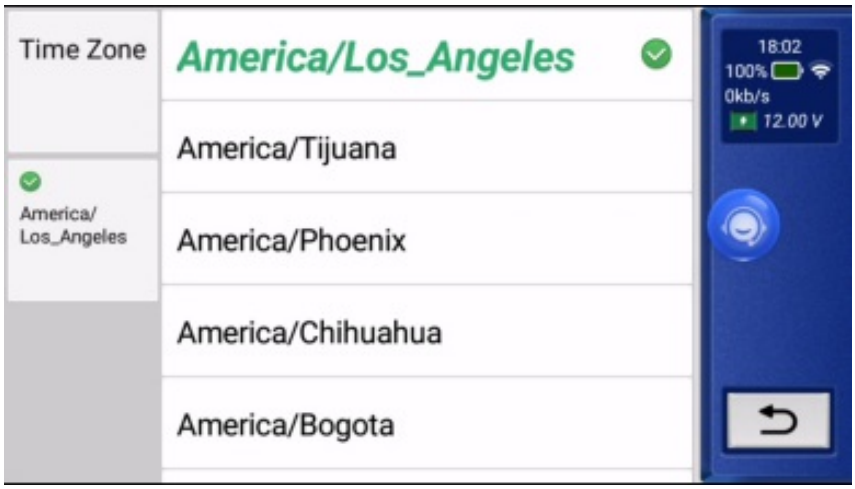
Hold the Power button for 5 seconds to turn the MUCAR CDE900 LITE on. The tablet will start initializing and enter the following interface.

*Note: Don't connect or disconnect any test equipment with the ignition on or engine running.

6.3 Language Setting

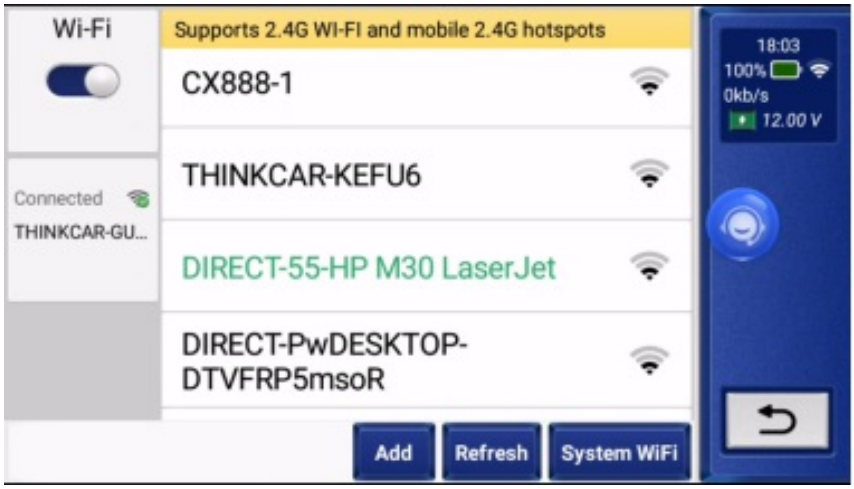
Used to select the tool language.

6.4 Choose Time



Choose the time zone where you are in. The system will automatically configure the time according to the time zone you selected.

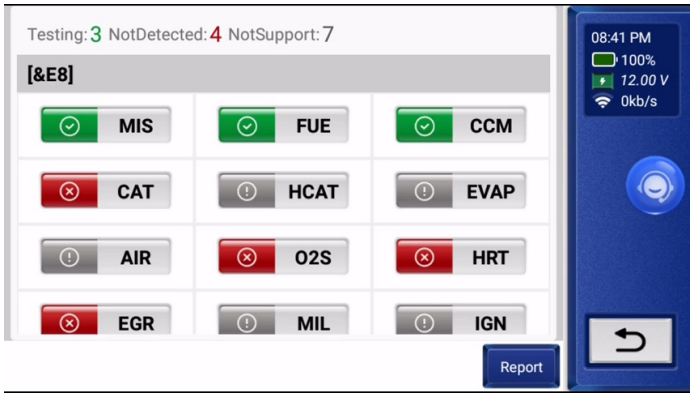
6.5 Connect Wi-Fi



The system will automatically search for all available Wi-Fi networks. You can select the desired Wi-Fi.

07 Function Description

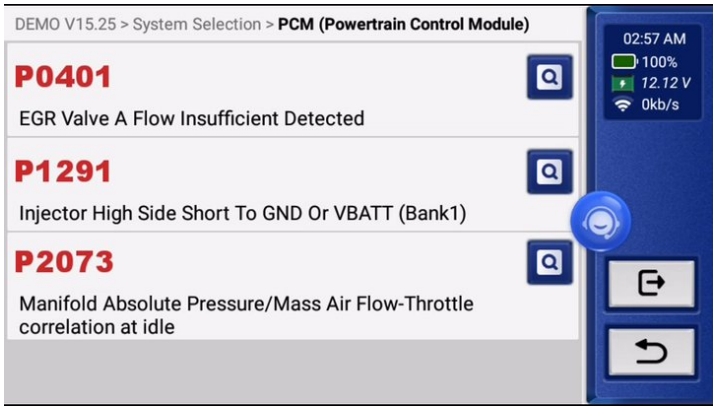
7.1.1 Plug in the OBD diagnostic cable after the car is turned on, and the device will automatically scan for OBD protocols (wait while scanning).



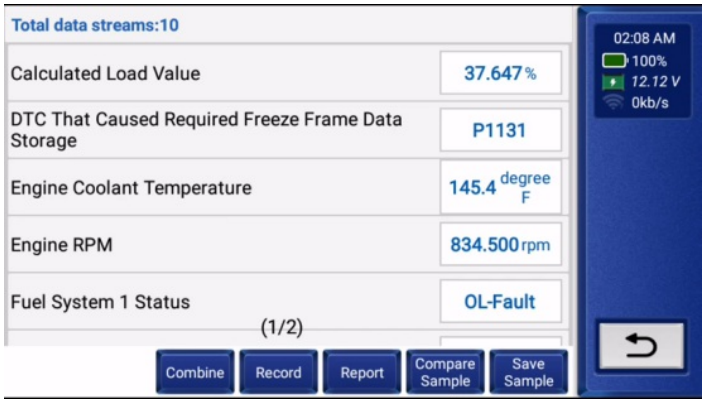
Note: You can click "SMOG" to see the corresponding supported protocols, gray protocols are not supported, green without fault codes, red with fault codes.

7.1.2 Select "OBD" to
Select "Code/Freeze Frame" to view fault codes and freeze pins. Select "Read Codes", and select vehicle model to view dtc. Select "View Freeze Frames", monitor status since DTCs cleared, view the engine's current power system diagnostics.

Read Codes: Quick View Engine DTCs.



7.1.3 Select View Freeze Frames, monitor status since DTCs cleared, View the engine's current power train diagnostics.

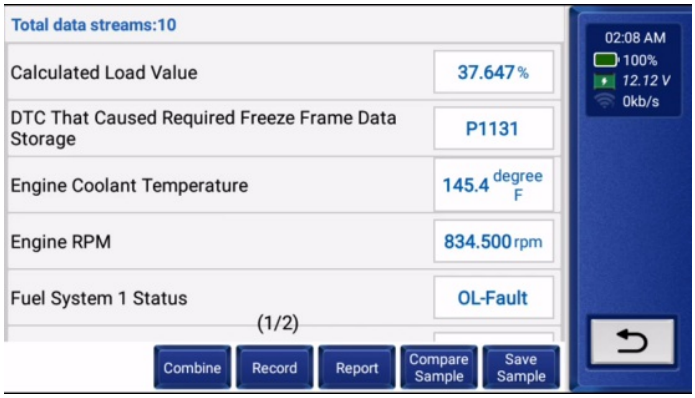


·Combine: The graphs can be merged for easier comparisons.

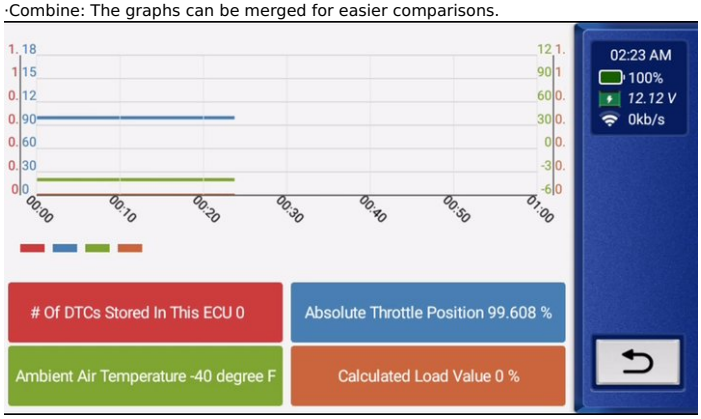
·Record: To record the diagnostic data for further analysis.
·Report: To save the number of current data streams.
·Compare Sample: Contrast data flow functions.
·Save Sample: Record the sample data stream.

7.1.4 Select "Erase" and click "YES" to clear the fault code.

7.1.5 Select "Live Data Stream" and click "OK" to view all data streams.



·Combine: The graphs can be merged for easier comparisons.

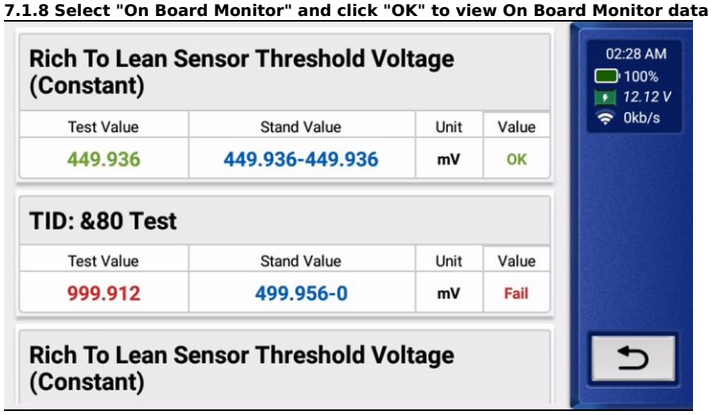


·Record: To record the diagnostic data for further analysis.
·Report: To save the number of current data streams.
·Compare Sample: Contrast data flow functions.
·Save Sample: Record the sample data stream.

7.1.6 Select "O2 Sensor Test" and click "OK" to view the O2 Sensor data flow.

7.1.7 Select "EVAP System Test" and click "OK" to view EVAP data streams.

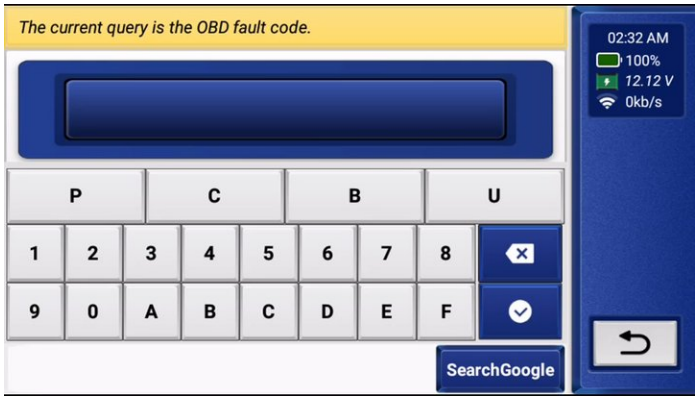
7.1.8 Select "On Board Monitor" and click "OK" to view On Board Monitor data streams.



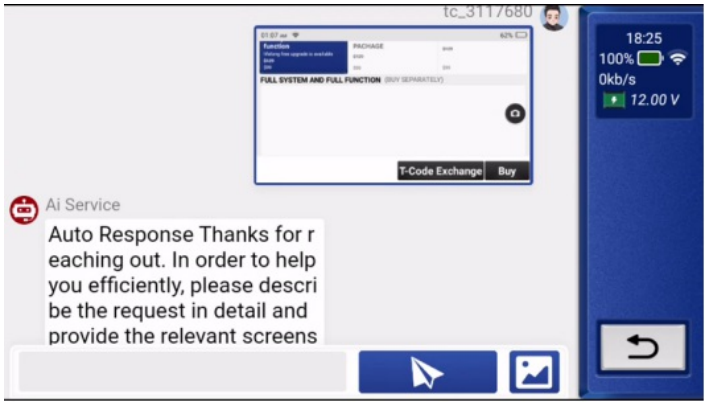
7.1.9 Select "Vehicle Info"function retrieves a list of information (provided by the vehicle manufacturer) from the vehicle's on-board computer.

Tip:This information may include: VIN (Vehicle Identification Number), CID (Calibration ID), CVN (Calibration ID Number).

7.1.10 Select "DTC Lookup" to query fault code analysis.



08 Customer Service

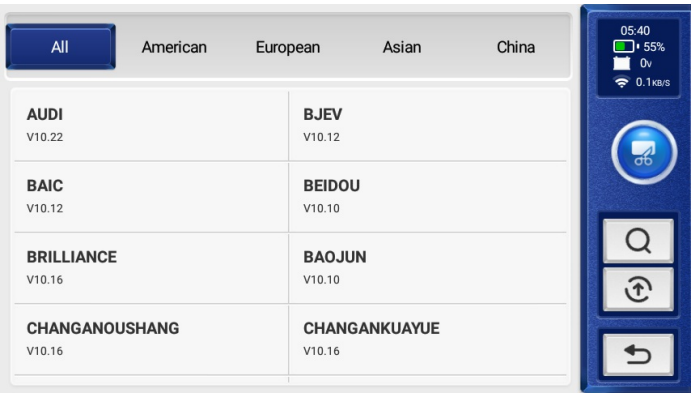


Pull down the task bar, find the customer service icon, click on it, and then online customer service will appear to answer the questions you encounter during the use of the produ

09 Extended Function Description

9.1 Diagnose

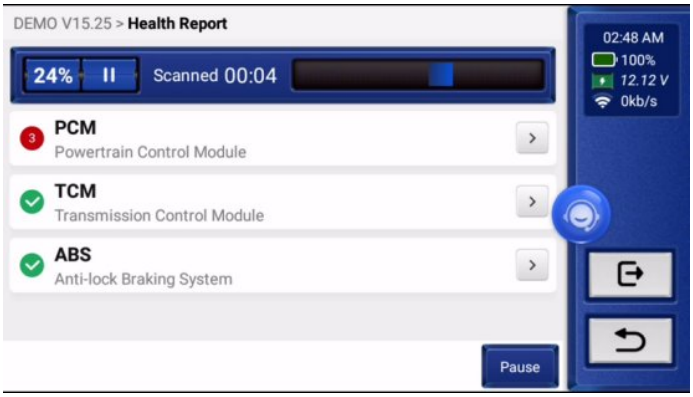
The module has a demo (demonstrates the diagnostic process) and model software.



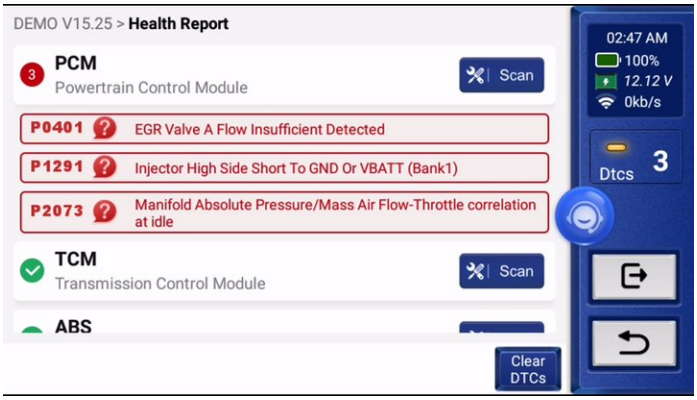
9.1.1 Health Report

This function can quickly reveal the vehicle's health status.

Tap "Health Report". The system will start scanning DTCs and show the test results.



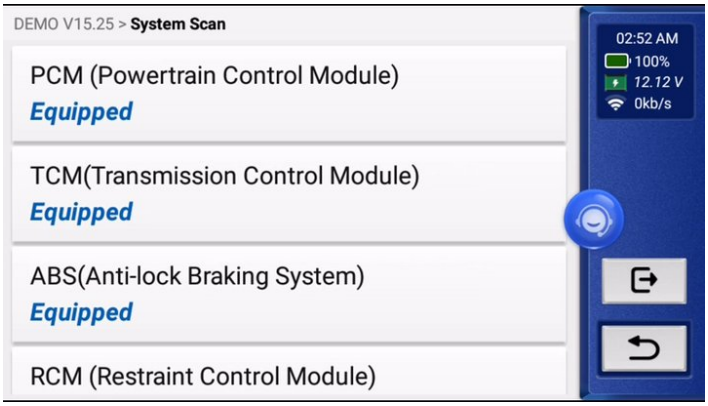
The DTC will be displayed on the screen in red font, with a specific definition.



* Note: Follow the prompts to proceed if the communication failure occurs.

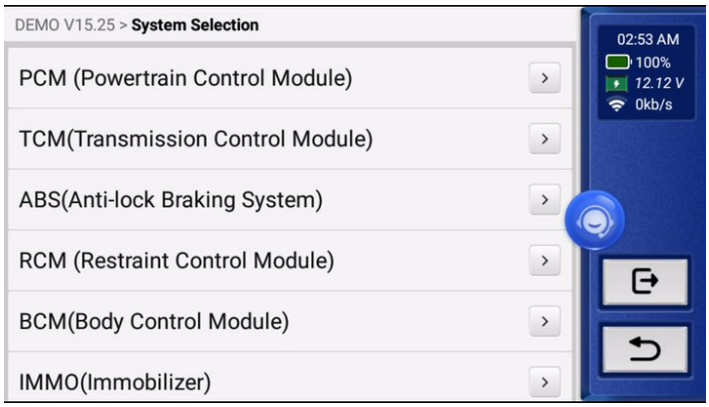
9.1.2 System Scan

This function will automatically scan all systems of the vehicle.

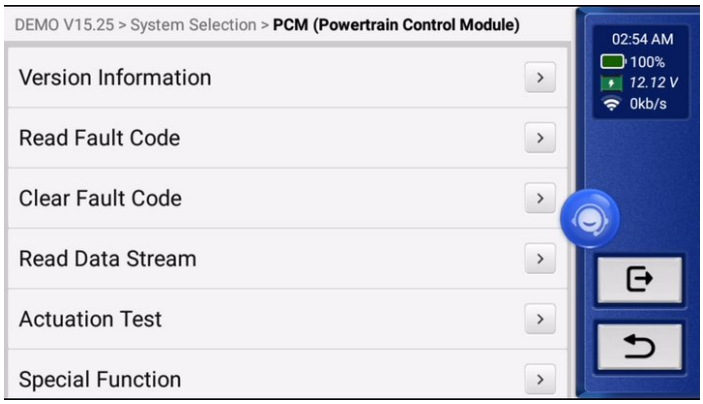


9.1.3 System Selection

This function allows you to manually choose the automotive electronic control system. Tap "PCM" (e.g.). The screen will show the selection interface.



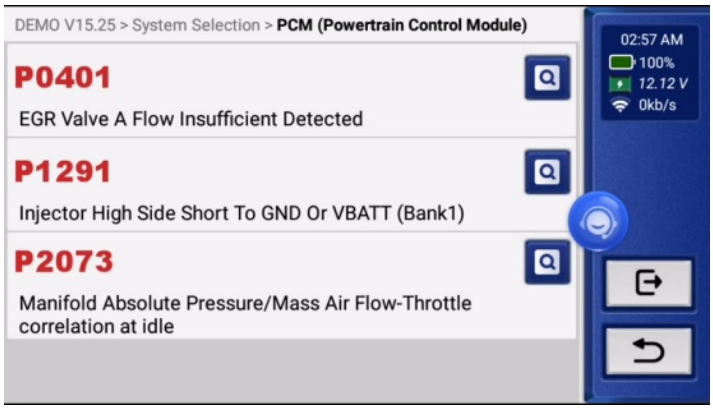
Choose the system to be tested.The following screen may vary by vehicle's make, model, and year.



9.1.3.1 Version Information
This function reads the current version information of ECU.

9.1.3.2 Read Fault Code
This function can read the Diagnostic Trouble Codes (DTCs) in the ECU memory, helping quickly identify the cause of the vehicle breakdown.

Tap "Read Fault Code". The screen will display diagnostic results.



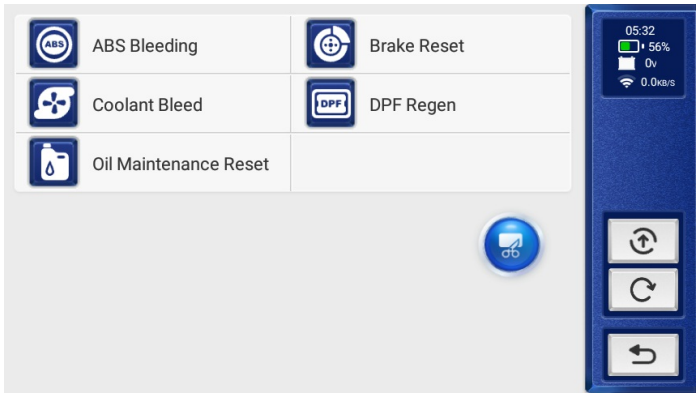
* Explanation of terms:
• Freeze Frame: Records specific data streams for verification when the car breaks down.
• Report: Saves the current diagnosis result as a diagnosis report, which can be sent to a specific E-Mail address.

9.1.3.3 Clear Fault Code
This function can clear the DTC of the ECU memory of the tested system.

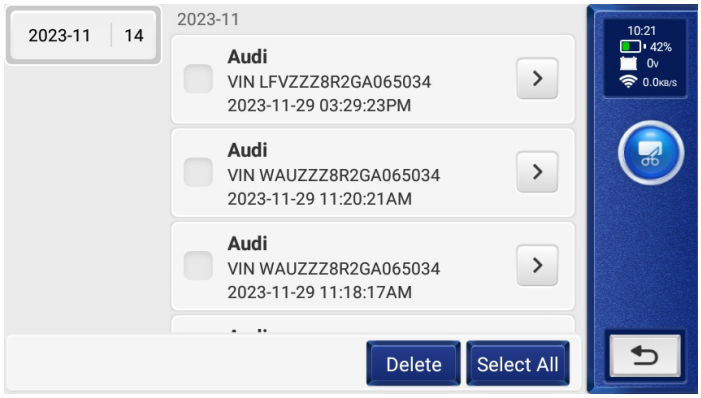
9.1.3.4 Read Data Stream
This function can read and display the real-time data and parameters of the ECU.

10 Auto Search: Automatically scan the model VIN and model list (not including all models).

11 Reset: Car reset refers to the regular inspection and maintenance of the car to ensure the normal operation and prolong the life of the car. MUCAR CDE900 LITE has 28 common maintenance and reset functions: (AIRFUEL, BLEED, AFS, ADBLUE, SUS, AIRBAG, BMS, BRAKE, COOLANT, DPF, EGR, ETS, GEAR, BOX, IMMO, INJEC, LANGUAG RESET of your choice.

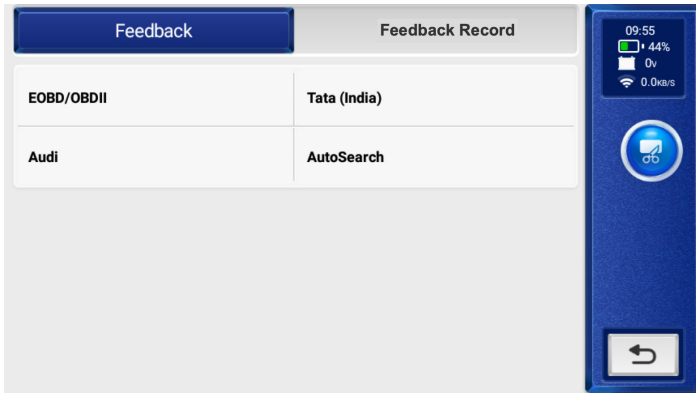


12 History: This feature includes diagnostic logging.

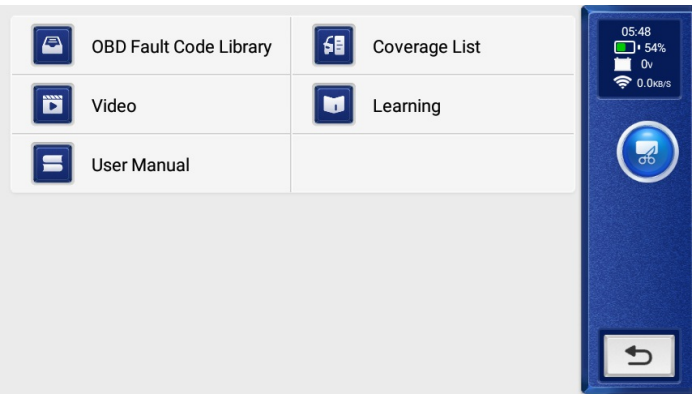


13 Feedback

This module can record and establish the file of the diagnosed vehicles, including all diagnostic-related data such as diagnostic reports, and data stream records.



14 Consult



1) Instruction: View Product Brochure.

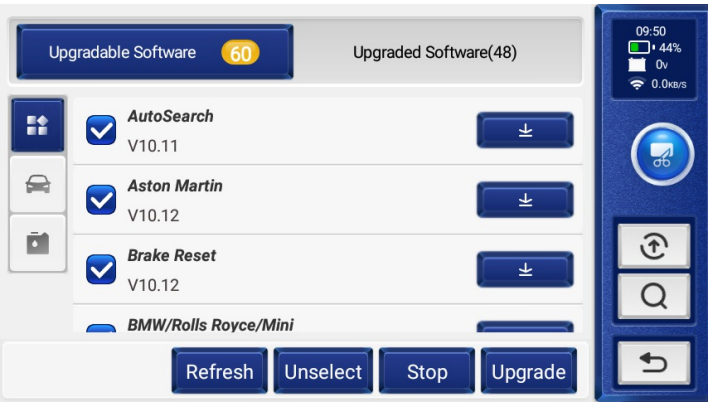
2) Coverage List: The supported vehicles' information.

3) Videos: Contains table usage tips, maintenance, and diagnostic guides.

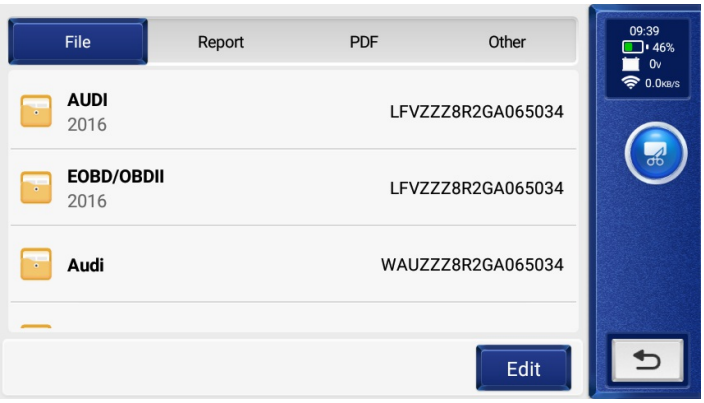
4) Learning: Demonstrates how to operate the tool.

5) User Manual :Detailed instruction manual

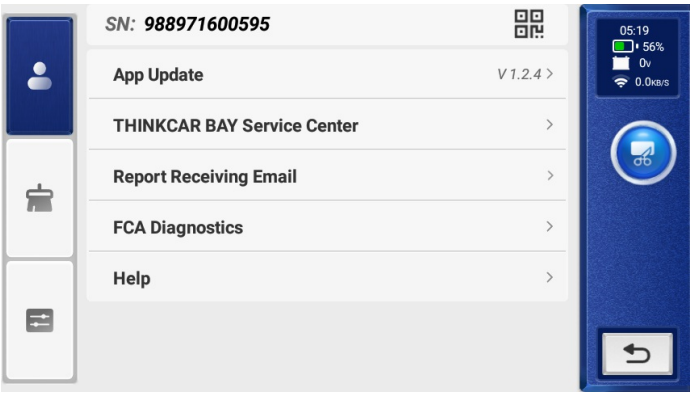
15 Update:Updated with the latest model and maintenance reset software.



16 File: Click "OK" to view the diagnostic record. Report view data flow reports, PDF documents generated by product diagnostic reports.



17 Settings



17.1 THINKCARBAY: Comprehensive customer service app with automotive-related diagnostic technology discussions.

17.2 Report Receiving Email: Fill in an email address for receiving reports.

17.3 FCA Diagnostics:Chrysler brand requires FCA registration

17.4 Help: Equipment FAQ.

17.5 Clear Data: Clear user data.

17.6 Clear Diagnostic Software:Deleting locally stored diagnostic software

17.7 Restore Factory Settings:To restore factory settings, please contact our technical support.

17.8 File Manager: System file manager.

17.9 Firmware Fix: Used to update the firmware.

17.10 Brightness: Set screen brightness.

17.11 Screen Shots: Use this switch to take a screen capture.

17.12 Screen Record: Screen recording video storage.

17.13 Customer Service Center : Customer Service Icon Switch.

17.13 Use 24-Hour Format: Time format switching.

17.14 Unit Of Measure: Metric/imperial.

17.15 WI-FI: Set the connectable Wi-Fi network.

17.16 Language: Select the tool language.

17.18 Time zone: Choose the time zone of the current location, then the system will automatically configure the time

17.19 Sleep Off Time: Set sleep time to save battery power.

17.20 About: Basic information about this device.

18 FAQ

Q: Why does MUCAR CDE900 LITE have no responses when it is connected to a car?

A: Check if the connection with the vehicle diagnostic socket is solid, or check if the ignition switch is on, or if the tool supports the car.

Q: Why does the system stop when reading the data stream?

A: It may be caused by a slackened connector. Please turn off the scanner, firmly connect the connector, and switch it on again.

Q: Communication error with vehicle ECU?

A: Please confirm the following cases:

· Whether diagnostic connector is correctly connected.

· Whether ignition switch is ON.

Or, send your vehicle's year, make, model and VIN number to us using Feedback feature for timely technical assistance.

Q: Why does the screen flash when the engine ignition starts?

A: It is normal and caused by electromagnetic interference.

Q: How to upgrade the system software?

A: 1.Power on the tool and ensure a stable Internet connection.

2. Go to "Settings" → "Update"→ "App" , tap "OTA" and then tap "check version" to enter the system upgrade interface.

3. Complete the process by following the instructions on the screen step by step. It may take a few minutes depending on the status of your network.

After the upgrade is finished, the tool will automatically restart and display the main interface.

Q: How to capture the screenshot?

A: Pull down the taskbar and click on the screenshot icon to capture the current screen, it will be saved in the Photo Album module.

Q: What should I do when it prompts that the network is unavailable?

A: Pull down the task bar, click the WIFI icon to connect to the available network.