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THINKCAR

THINKCAR MUCAR CDE900 Scanner Diagnostic Scan

Introduction

MUCAR CDE900 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.

Product Description

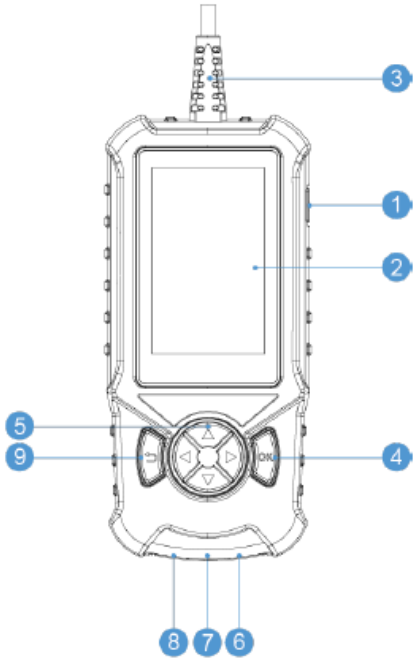
1. Power/Screen Lock Button
   Press and hold for 3 seconds to switch on
2. 4-Inch Display
   480*854 resolution
3. OBD diagnostic cable
   The cable is 1.2 meters long and supports 9-18v voltage
4. OK Button
   Confirm button
5. Selection Buttons
   Direction selection button
6. TF Card Slot
   Maximum expansion 256G memory card
7. TYPE-C Interface
   Input 5V-2.5A

8. Reset Button

   Factory reset button, please do not use it arbitrarily

9. Return Button

   Back to previous button



Technical Specifications

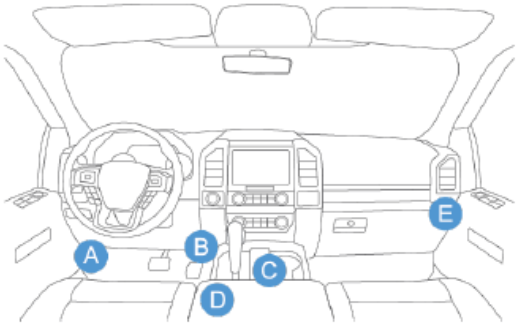
- Display: 4 inch display.
- Working Environment: 0 ~ 50 ℃ (32 ~ 122℉).
- Storage Environment: -20 ~ 60 ℃ (-4 ~ 140℉).
- Power Supply: 9 – 18V vehicle power.
- Supported Protocols: SAE J1850 PWM, SAE J1850 VPW, ISO 9141-2 ISO, ISO 14230-4 KWP, ISO 15765-4 CAN

How To Use

Data Link Connector (DLC) Location

1. 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

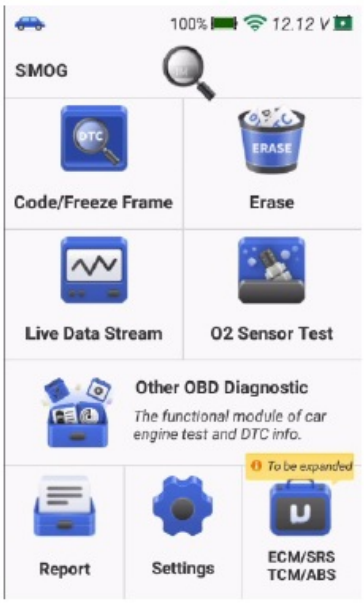
some Asian and European vehicles, the DLC is located behind the ashtray and the ashtray must be removed to access the connector. If the DLC cannot be found, refer to the vehicle's service manual for the location.



2. Turn on the ignition of the vehicle, the voltage range of the device should be 9 – 18V, and the throttle should be in the closed position.
3. Plug in the OBD connector and click Start to start diagnosing the smog protocol.

Application Overview

Pre-expansion



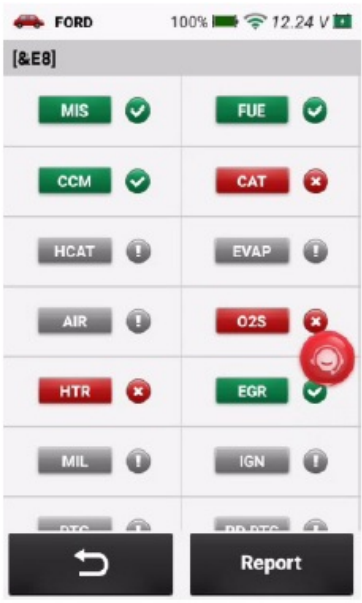
1. SMOG: View the corresponding supported protocols.
2. Code/Freeze Frame: View fault codes and freeze frames.
3. Erase Clear the fault code.
4. Live Data Stream View real-time data streams.
5. O2 Sensor Test: View O2 sensor data streams
6. Other OBD Diagnostic: Includes EVAP System Test, DTC Lookup, Version info, and On Board Monitor.
7. Report View diagnostic reports and PDF files.

8. Settings Adjust the default settings to meet your own preferences when using the device.
9. ABS/SRS/ECM/TCM Diagnostic and maintenance function expansion.

Function Introduction

SMOG

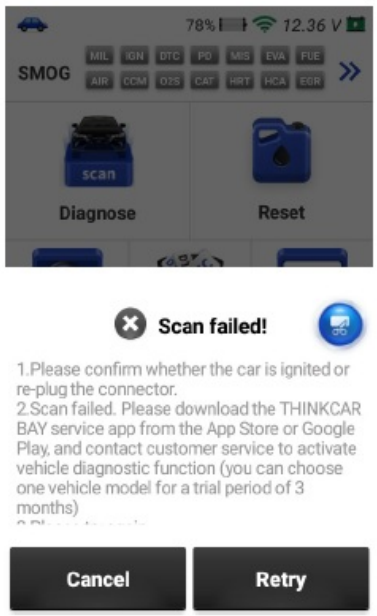
You can click on SMOG to see the corresponding supported protocols, grey protocols are not supported, green protocols are ready and red protocols are not ready.



Click report to generate a diagnostic report.

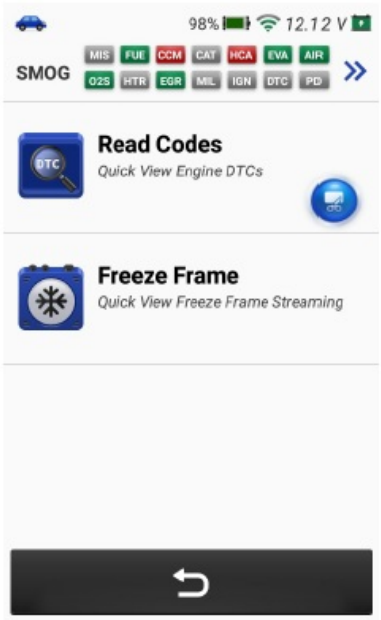
If you encounter a scan failure, please first confirm that the car is ignited or reinsert the connector. Then please download THINKCAR Bay App from the app store and contact customer service to activate the vehicle diagnostic function, you can choose a model

and try it for 3 months.



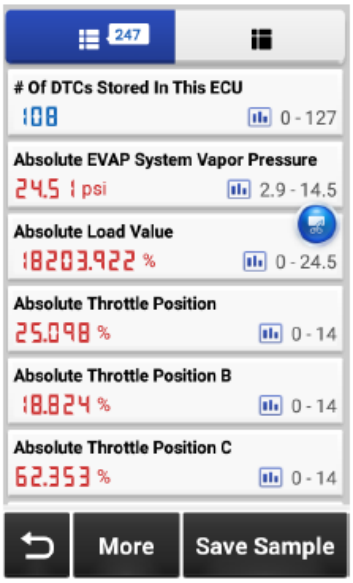
Code/Freeze Frame

Select Code/Freeze frame to view fault codes and freeze pins. Select Read DTC, 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 DTC to quickly view fault codes.

Select view freeze frames, monitor status since DTCs cleared, view the engine's current power train diagnostics.



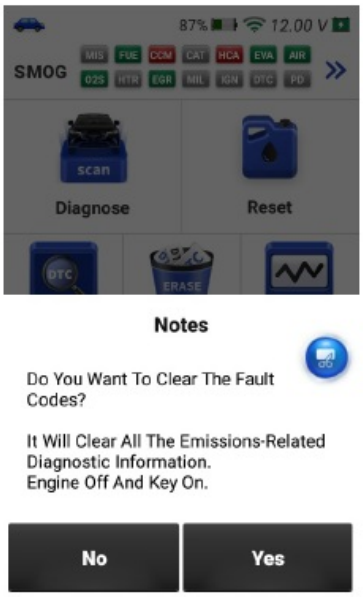
More: Includes Compare Sample, Combine, Report, Record functions

Save Sample: Record the sample data stream.

Tap “Combine”. The system will display the merged parameters of the selected data streams with wave patterns.

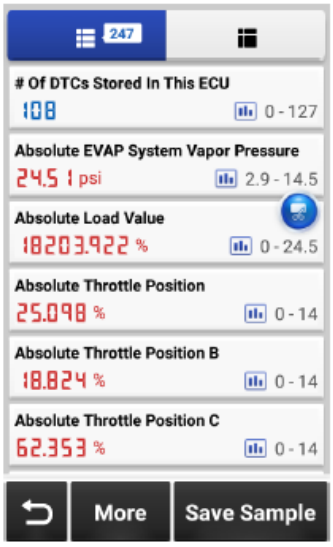
Erase

Select erase and click OK to clear the fault code.



Live Data Stream

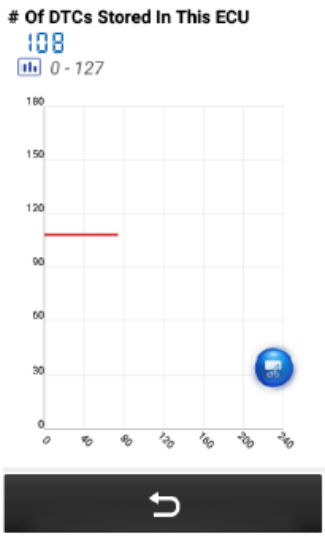
Select Live Data Stream and click OK to view all data streams.



More: Includes Compare Sample, Combine, Report, Record functions

Save Sample: Record the sample data stream.

Tap “Combine”. The system will display the merged parameters of the selected data streams with wave patterns.



O2 Sensor Test

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

Other OBD Diagnostic

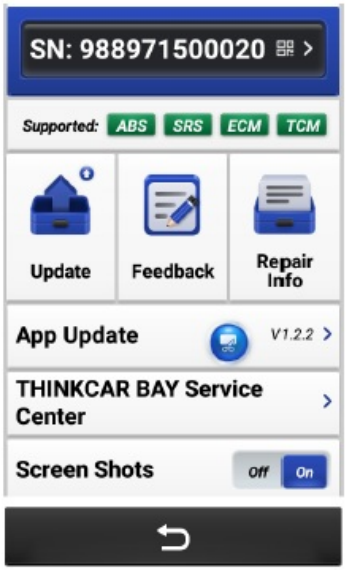
Select Other Diagnostic to view more OBD functions, select On-Board Monitoring and click OK to view the On-board monitor data stream, select Evap System and click OK to view the evap data stream, select DTC Lookup to query the fault code analysis, select Version Info and click OK to view the OBD version information.

Report

Select Report and click OK to view the diagnostic record. Report view data flow reports, PDF documents generated by product diagnostic reports.

Settings

Select Settings to set the basic settings, there are functions such as feedback, repair info, upgrade, order, setting language, etc. Click update to upgrade models, need to expand 4 systems, demos and autosearch function modules. Click on the app to enter the app application update, which can update the application app and the local firmware.



Feedback: You can feedback the diagnostic software/app bugs to us for analysis and improvements.

The Repair Info module consists of four sections:

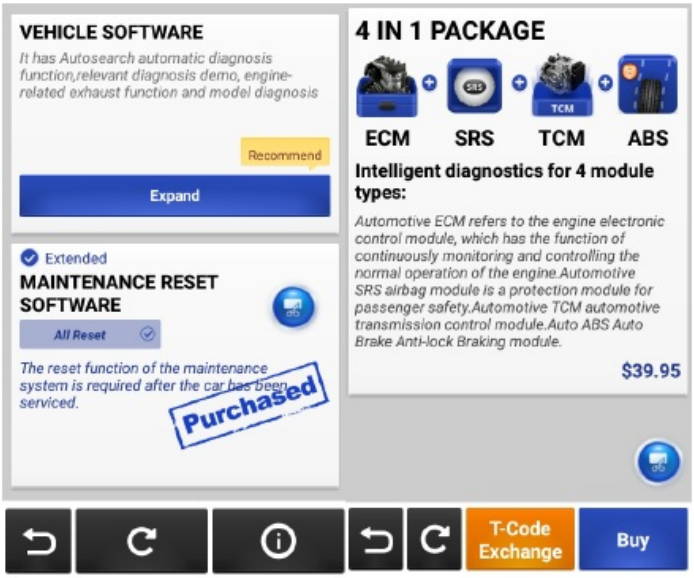
1. Coverage List: The supported vehicles' information.
2. Learning: Demonstrates how to operate the tool.
3. Video: Contains table usage tips, maintenance, and diagnostic guides.
4. Instruction: Instruction manual for this tool.

- Update This module allows you to update the diagnostic software & App to the latest version.
- Screen Shots: Use this switch to take a screen capture.
- Photo Album: Screenshot storage.
- Screen Floating Window : Turn on this switch to record the screen operation video. Automatically Send Reports: Automatically send diagnostic reports on/off.
- Report Receiving Email: Fill in an email address to receive diagnostic reports.
- Screen Record: Screen recording video storage.
- WI-FI: Set the connectable Wi-Fi network.
- Brightness : Set screen brightness.
- Unit Of Measure : Metric/Imperial.
- Language : Select system language.
- Time zone : Choose the time zone of the current location, then the system will automatically configure the time according to the time zone you chose.
- Firmware Fix : Used to update the firmware.
- Clear Data: Clear user data.
- Sleep Time : Set sleep time to save battery power.

File Manager: System file manager.
Customer service: Click to enter the manual online customer service to answer the questions you encounter during the use of the product for you, so that you can better use the product experience.
Help: Equipment FAQ.
Browser: Built-in Google Chrome.
About: Basic information about this device.

ECM/TCM/ABS/SRS

Select ECM/TCM/ABS/SRS and click OK to expand to intelligent diagnosis function, with 4 system diagnosis functions (ECM/TCM/ABS/SRS).



After Expansion

Two new functional modules have been added after the expansion of the function

Diagnose

Diagnose: This module can automatically scan the VIN code of the model and read the vehicle information. The health report function can quickly reveal the health status of the vehicle. System scan function can automatically scan the 4 system modules of the vehicle
(ABS/SRS/ECM/TCM), and after the scan is completed, it can access the system module information, read fault codes, clear fault memory and read data stream. Vehicle specification function can read the basic information of the vehicle, such as vehicle identification number, model, brand, displacement, engine type, transmission type, etc.

You need to enter the vehicle's VIN data manually if the MUCAR CDE900 fails to get access to the vehicle VIN data automatically

After the above process is completed, you will enter the following screen.

Reset

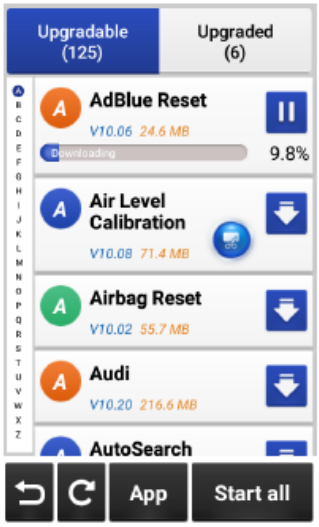
MUCAR CDE900 supports the following reset functions:

1. Oil lamp reset ,
2. Steering angle sensor reset,
3. Battery matching reset,
4. ABS bleeding reset,
5. Throttle matching,
6. Brake pad reset,
7. DPF regeneration,
8. Anti-theft matching,
9. Injector coding,

10. TPMS reset,
11. Suspension level calibration,
12. AFS headlamp reset,
13. Gearbox matching,
14. Sunroof initialization,
15. EGR adaption,
16. Gear learning,
17. ODO reset,
18. Airbag reset,
19. Transport mode,
20. A/F reset,
21. Stop/Start reset,
22. NOx sensor reset,
23. AdBlue reset (diesel engine exhaust gas filter),
24. Seat calibration,
25. Coolant bleeding,
26. Tyre reset,
27. Windows calibration,
28. Language settings.

Update

This module allows you to update the diagnostic software & App to the latest version.



Click on the app to enter the app application update, which can update the application app and the local firmware.

When upgrading your system, make sure you have a stable internet connection.
Go to “Settings”-> “Update”-> “App”, tap “OTA” and then tap “Check version” to enter the system upgrade interface.

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 license-exempt 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.

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 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 to satisfy 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.

Documents / Resources

	THINKCAR MUCAR CDE900 Scanner Diagnostic Scan [pdf] User Manual MUCAR CDE900 Scanner Diagnostic Scan, MUCAR CDE900, Scanner Diagnostic Scan, Diagnostic Scan, Scan

References

- User Manual

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Diagnostic Scan, MUCAR CDE900, MUCAR CDE900 Scanner Diagnostic Scan, scan, Scanner Diagnostic Scan, THINKCAR

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