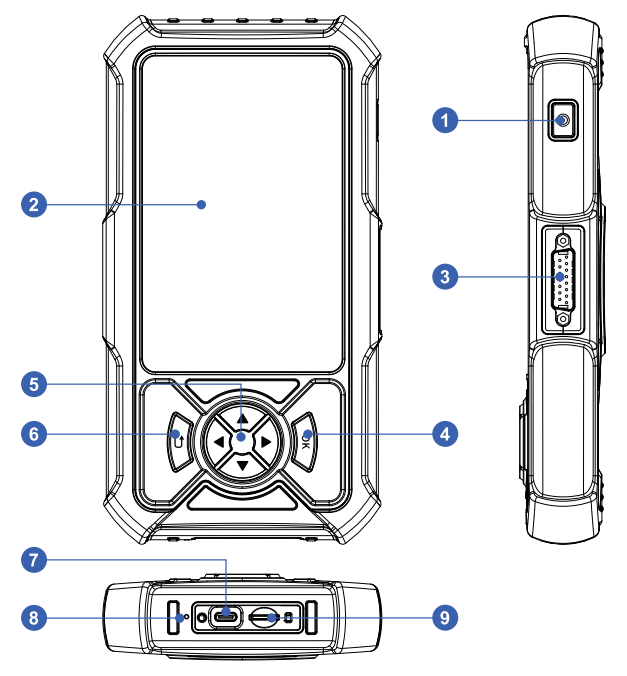
MUCAR
TKT90

Quick Start Manual

EN

01/ Product Descriptions



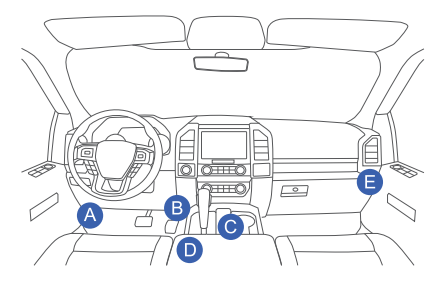
1. Power/Screen Lock Button:Long press for 5 seconds to turn on or off.
2. Touch Screen: 5 inches (854*480 resolution)
3. Diagnostic Cable:Used to connect car OBD connector.
4. OK Button:Confirm button.
5. Selection Buttons:Up,down,left and right direction selection.
6. Return Button: Return to the previous step.
7. TYPE-C interface: Support 5V-1.2A charging voltage (please do not exceed this range)
8. Factory Reset Button: Restore factory settings.
9. TF Card Slot: Support expandable SD memory card, up to 256G. (Please purchase genuine standard SD memory card by yourself)

02/ Technical Specifications

Display: 5 inch display
Working Environment: 0°C ~ 50°C (32°F ~ 122°F)
Storage Environment: -20°C ~ 60°C (-4°F ~ 140°F)
Working voltage: input 5V2A (2.5A max)
Supported Protocols: ISO9141, KWP2000 (ISO 14230), J1850PWM, J1850VPM and CAN OBDII protocol.

03/ How To Use

Connect the MUCAR CDE900 PRO with your vehicle through the OBDII port.



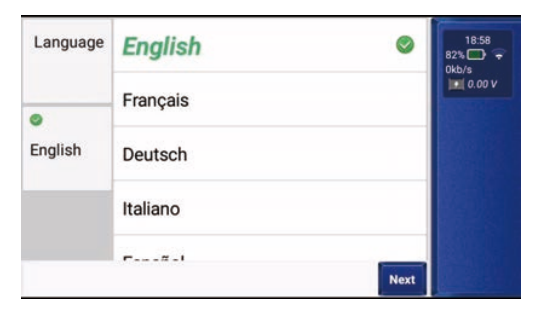
Usually, the OBD port is located under the dashboard, above the pedal on the driver's side. The five locations shown lite the picture are common OBDII port locations.

04/ Turn on the MUCAR CDE900 Pro

Hold the Power button for 5 seconds to turn the MUCAR CDE900 PRO 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.

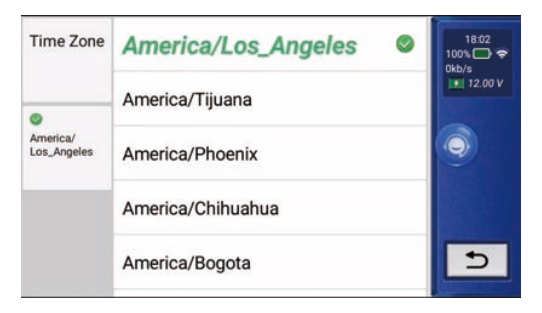
05/ Language Setting



Used to select the tool language.

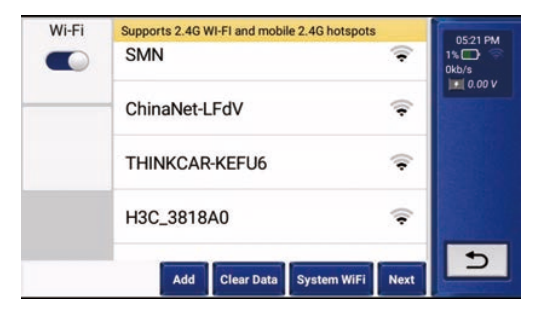
720 S Rochester Ave Unit B, Ontario, CA 91761 USA
Tel: 1-909-757-1959

06/ Choose Time



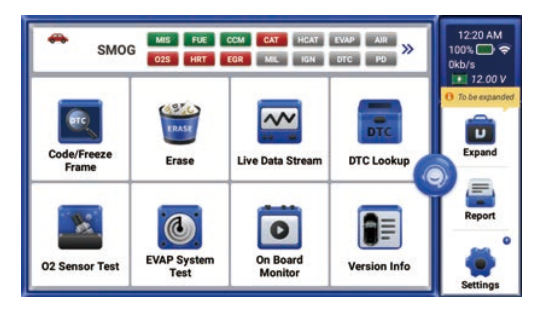
Choose the time zone where you are in.The system will automatically configure the time according to the time zone you selected.

07/ Connect Wi-Fi



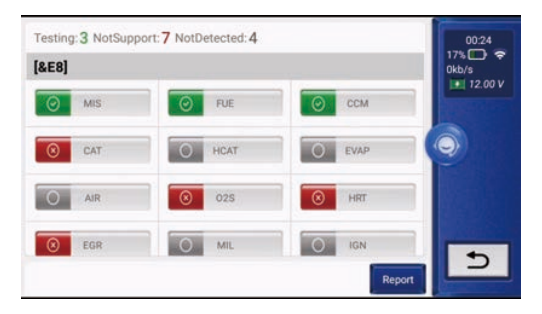
The system will automatically search all available Wi-Fi networks. You can choose the Wi-Fi needed. Tap "Next".It will automatically jump to the Home Page.

08/ Function Description



MUCAR CDE 900 Pro has 12 main modules, Code/Freeze Frame, Erase, Live Data Stream, O2 Sensor Test, EVAP System Test, On Board Monitor, Version info, DTC Lookup, Expand, Report, Settings.

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).



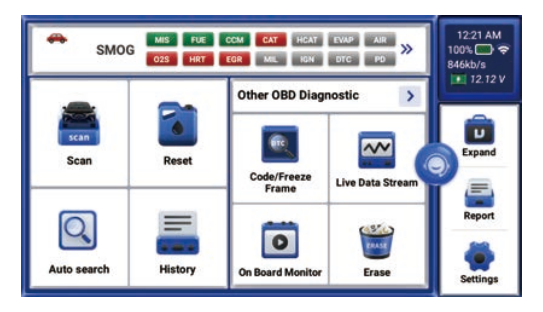
Note: You can click "SMOG" to see the corresponding supported protocols, gray protocols are not supported, green without fault codes, red with fault codes.

2. 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.
3. Select "Erase" and click "OK" to clear the fault code.
4. Select "Live Data Stream" and click "OK" to view all data streams.
5. Select "O2 Sensor Test" and click "OK" to view the O2 Sensor data flow.
6. select "EVAP System Test" and click "OK" to view EVAP data streams.
7. Select "On Board Monitor" and click "OK" to view On Board Monitor data streams
8. 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 Verification Number).

9. Select "DTC Lookup" to query fault code analysis.
10. Select "Expand" allows you to purchase the reset and related model software.
11. Select "Report" and click "OK" to view the diagnostic record. Report view data flow reports, PDF documents generated by product diagnostic reports.
12. 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 auto search function modules. Click on the app to enter the app application update, which can update the application app and the local firmware.

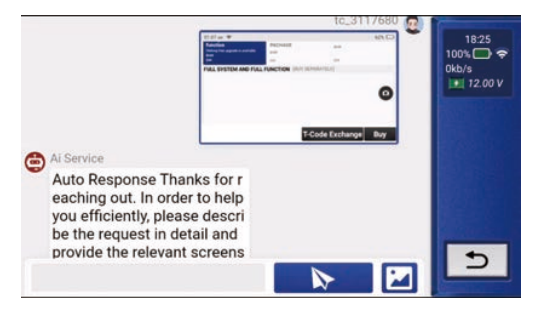
09/ Extended Function Description



Tip: Please click "Expand" to purchase the following extensions.

1. **Scan:** The module has a demo (demonstrates the diagnostic process) and model software.
2. **Reset:** MUCAR CDE900 PRO has 28 common maintenance and reset functions (AIRFUEL, BLEED, AFS, ADBLUE, SUS, AIRBAG, BMS, BRAKE, COOLANT, DPF, EGR, ETS, GEAR, BOX, IMMO, INJEC, LANGUAGE, NOXSENSOR, ODO, OIL, SEAT, SAS, STOPSTART, SUN, TPMS, TRANSPORT, TYRE, WINDOW).
3. **Auto Search:** Automatically scan the VIN of car models and the list of car models.
4. **History:** This feature includes diagnostic logging.

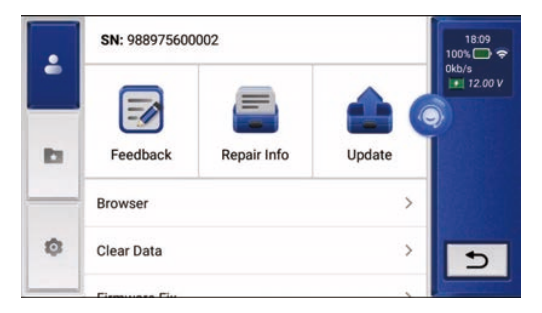
10/ Customer Service



Auto Response Thanks for reaching out. In order to help you efficiently, please describe the request in detail and provide the relevant screens

Pull down the task bar, find the customer service icon, click on it, and then human online customer service will appear to answer the questions you encounter during the use of the product, giving you a better experience of using the product.

11/ Settings



You can modify or add related information in this module, or make settings after the initial setting is completed.

1. 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.

2. Repair Info
This module includes four sections:
1) Instruction: View Product Brochure.
2) Coverage List: The supported vehicles' information.
3) Videos: Contains table usage tips, maintenance, and diagnostic guides.
4) Learning Course: Demonstrates how to operate the tool.

3. Update
This module allows you to update the diagnostic software & App to the latest version.
A pop-up message will indicate newer software is available if you don't update the software in the process of registration.

12/ FAQ

Q: Why does MUCAR CDE900 Pro 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.

13/ Warranty Terms

This warranty applies only to users and distributors who purchase MUCAR CDE900 Pro 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.

Service Line: 1-909-757-1959
Customer Service Email: service@mucarco.com
Official Website: www.mucarco.com
Products tutorial, videos, FAQ and coverage list are available on MUCAR official website.

FCC Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
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
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.

IC Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference; and
(2) This device must accept any interference, including interference that may cause undesired operation of the device.
The term "IC: " before the certification/registration number only signifies that the Industry Canada technical specifications were met. This product meets the applicable Industry Canada technical specifications.
Cet appareil contient des émetteurs / récepteurs exemptés de licence conformes aux RSS (RSS) d'Innovation, Sciences et Développement économique Canada. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage,
et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

FCC SAR Information Statement

Your TKT90 is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.
The exposure standard for TKT90 employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. * Tests for SAR are conducted with the TKT90 transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the TKT90 while operating can be well below the maximum value. This is because the MUCAR CDE900 is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a TKT90 is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this TKT90 when tested for use worn on the body, as described in this user guide, is 0.25W/Kg (Body-worn measurements differ among TKT90, depending upon available accessories and FCC requirements).
While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure. The FCC has granted an Equipment Authorization for this TKT90 with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this TKT90 is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/ oet/fccid after searching on FCC ID: 2AUAR900PRO Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at http://www.wow-com.com. * In the United States and Canada, the SAR limit for TKT90 used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.
The SAR test distance is 0mm.

ISED SAR Information Statement

Your TKT90 is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Innovation, Science and Economic Development Canada of the Canada Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for wireless TKT90 employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the ISED is 1.6 W/kg. * Tests for SAR are conducted with the TKT90 transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the TKT90 while operating can be well below the maximum value. This is because the TKT90 is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a TKT90 is available for sale to the public, it must be tested and certified to the ISED that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the ISED for each model. The highest SAR value for this TKT90 when tested for use worn on the body, as described in this user guide, is 0.25 W/Kg (Body-worn measurements differ among TKT90, depending upon available accessories and ISED requirements). While there may be differences between the SAR levels of various TKT90 and at various positions, they all meet the government requirement for safe exposure. The ISED has granted an Equipment Authorization for this TKT90 with all reported SAR levels evaluated as in compliance with the ISED RF exposure guidelines. SAR information on this TKT90 is on file with the FCC and can be found under the Display Grant section of https://sms-sgs.ic.gc.ca/ after searching on IC: 26415-900PRO Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at http://www.wow-com.com. * In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.
The SAR test distance is 0mm.

Déclaration d'information SAR

Votre TKT90 est un émetteur et un récepteur radio. Il est conçu et fabriqué pour ne pas dépasser les limites d'émissions d'exposition à l'énergie des radiofréquences (RF) établies par Innovation, sciences et développement économique Canada du gouvernement du Canada. Ces limites font partie de lignes directrices exhaustives et établissent les niveaux autorisés d'énergie RF pour la population générale. Les lignes directrices sont fondées sur des normes élaborées par des organismes scientifiques indépendants à la suite d'une évaluation périodique et approfondie d'études scientifiques. Les normes comprennent une marge de sécurité importante conçue pour assurer la sécurité de toutes les personnes, quels que soient leur âge et leur état de santé. La norme d'exposition pour le TKT90 sans fil utilise une unité de mesure connue sous le nom de débit d'absorption spécifique, ou das. La limite de das fixée par l'ise est de 1,6 W/kg. * les Tests de das sont effectués avec le TKT90 émettant à son niveau de puissance certifié le plus élevé dans toutes les bandes de fréquence testées. Bien que le SAR soit déterminé au niveau de puissance certifié le plus élevé, le niveau SAR réel du TKT90 en fonctionnement peut être bien inférieur à la valeur maximale. En effet, le TKT90 est conçu pour fonctionner à plusieurs niveaux de puissance de manière à n'utiliser que la puissance requise pour atteindre le réseau. En général, plus vous êtes proche d'une antenne de station de base sans fil, plus la puissance de sortie est faible. Avant qu'un TKT90 soit disponible pour la vente au public, il doit être testé et certifié à l'ise qu'il ne dépasse pas la limite établie par l'exigence adoptée par le gouvernement pour une exposition sûre. Les tests sont effectués dans des positions et des emplacements (par exemple, au niveau de l'oreille et portés sur le corps) comme l'exige l'ise pour chaque modèle. La valeur de das la plus élevée pour ce TKT90 lorsqu'il est testé pour une utilisation portée sur le corps, comme décrit dans ce guide de l'utilisateur, est de 0,25 W/Kg (les mesures portées sur le corps diffèrent selon les accessoires disponibles et les exigences de l'ised). Bien qu'il puisse y avoir des différences entre les niveaux de das de divers TKT90 et à divers postes, ils répondent tous aux exigences du gouvernement en matière d'exposition sécuritaire. L'ise a accordé une autorisation d'équipement pour ce TKT90, et tous les niveaux de das déclarés ont été évalués comme étant conformes aux lignes directrices de l'ise sur l'exposition aux RF. Les renseignements sur le das de ce TKT90 se trouvent dans les dossiers de la FCC et peuvent être trouvés dans la section subvention d'affichage de https://sms-sgs.ic.gc.ca/ après avoir fait une recherche sur le IC: 26415-900PRO des renseignements supplémentaires sur les taux d'absorption spécifiques (das) peuvent être trouvés sur le site web de la Cellular Telecommunications Industry Association (CTIA) à http://www.wow-com.com. * aux États-Unis et au Canada, la limite de das pour les téléphones cellulaires utilisés par le public est de 1,6 watts/kg (W/kg) en moyenne pour un gramme de tissu. La norme comporte une marge de sécurité importante pour assurer une protection supplémentaire au public et pour tenir compte des variations éventuelles des mesures.
La distance d'essai SAR est 0mm.