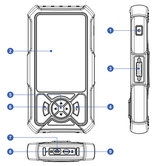
MUCAR

MUCAR TKT90

Quick Start Manual

EN

01/ Product Descriptions



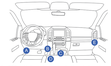
1. Power/Screen Lock Button:Long press for 5 seconds to turn on or off.
2. Touch Screen: 5 inches (854*480 resolution)
3. Diagnostic Cable:Used to connect car OBD connector.
4. Type-C Charging port
5. Selection Buttons:Up,down,left and right direction selection.
6. Return Button: Return to the previous step.
7. Type-C Port: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℃ ~ 50℃ (32℉ ~ 122℉)
Storage Environment: -20℃ ~ 60℃ (-4℉ ~ 140℉)
Working voltage: Input 5V,2A (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 Be 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 enable 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, Vehicle 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 use the corresponding supported protocols, grey 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 the live 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 stream.
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, Delete, Email, Print, Upload diagnostic reports and data stream 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 update the software, App and the vehicle diagnostic software and 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, ABS,OIL, SUS, AIRBAG, EMS, BRAKE, TPMS, EPB, SAS, DPF, IMMO, BMS, EGR, NOX, SCR, DPF, BMS, ADAPTAGE, NOXSENSOR, CDO, OIL, SEAT, SAS, STOPSTART, SUN, TPMS, TRANSPORT, TYRE, WINDOW).
3. Vehicle Info: Automatically scan the VIN of car models and the list of car models.
4. History: This feature includes diagnostic logging.

10/ Customer Service

Pull down the task bar, find the customer service icon, click on it, and then you can contact our customer service department to resolve any issues encountered during the use of the product, giving you a better experience of using the product.

11/ Settings

You can modify or add relevant 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, and can upload diagnosis-related data such as diagnostic reports, and data stream records.

2. Repair Info
This module includes four sections:
1) Instruction: View Product Brochure.
2) Tips: Tips for Using the Diagnostic 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 disconnect connector.Please turn off the scanner, reset the connection and restart the program again.

Q: Communication error with vehicle ECU?
A: Please confirm the following cases:
Whether diagnostic connector is correctly connected.
Whether ignition 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: Please ensure the device is connected to a stable Internet connection.
1. Power on the tool and ensure a stable Internet connection.
2. Go to "Settings" → "Update" → "App", tap "OTA" and then tap "check update" to check for software updates.
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 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 products through official channels.The warranty period for the machinery within one year. MUCAR warranty including electronic products for damages caused by defects in materials or workmanship. Damages to the equipment or accessories caused by improper use, commercial purposes, rental, non-designated purposes, operation in a manner not specified in the instructions, etc.are not covered by this warranty. The compensation for dashboard damage shall not exceed the price of the equipment. In the event of a warranty claim, MUCAR does not bear any indirect and incidental losses. MUCAR will judge the nature of the equipment damage according to its prescribed inspection standards.
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 exempts 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, multi-agency guidelines for authorized levels of 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 TKT90 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 https\:\/\/www.fcc.gov\/oet\/ea\/fccid after searching on FCC ID: 2AUAR90DPRO 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 5mm.

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, multi-agency guidelines for 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 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 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 ISED and can be found under the Display Grant section of https\:\/\/sms-sgs.ic.gc.ca\/ after searching on IC: 26415-90DPRO 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 5mm.

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 radiofréquence (RF) fixées par le Gouvernement du Canada de 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 réel du SAR 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 d'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 sûre. L'ised 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: 26415-90DPRO des renseignements supplémentaires sur les débits d'absorption spécifiques 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 des mesures.
La distance d'essai SAR est 5mm.