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USER'S MANUAL

TPMS Diagnostic Programmer



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1.Warning

To prevent the possibility of electric shock, fire, or personal injury, please read all safety instructions before using this product.

- Always perform vehicle diagnosis in a safe environment.
- Wear ANSI-compliant safety goggles.
- Keep clothing, hands, equipment, test instruments, etc. away from moving or heated parts of the engine.
- The fumes emitted by the car are harmful to the body, and diagnosis must be performed in a well-ventilated place.
- Before starting the engine, confirm that the handbrake is pulled up, use a chock to block the wheel, and place the gear lever in neutral.
- (manual transmission), or park (automatic transmission), so as not to start the engine and the vehicle suddenly start out to hurt people.
- Extra caution is required when working around ignition coils, distributor caps, ignition wires, and spark plugs. The voltage produced by these parts when the engine running is very dangerous.
- Equip the workspace with fire extinguishers specifically designed for gasoline, chemicals, electrical fires, etc.
- Do not connect or disconnect diagnostic when the ignition switch is on or the engine is running.
- Keep the diagnostic equipment dry and clean, away from gasoline, water, and oily items. When necessary, clean the surface of the equipment with a clean cloth dipped in mild detergent.
- Do not operate the diagnostic equipment while driving a vehicle, as it may cause distraction and cause accidents.
- Please refer to the repair manual for vehicle maintenance and strictly follow the diagnosis procedures and precautions.
- Otherwise, it may cause personal injury or damage to the diagnostic.
- To avoid damage to the diagnostic equipment or the generation of false data, ensure that the vehicle battery is fully charged, and the connection of the vehicle diagnosis seat is clean safe.
- Do not place the diagnostic equipment on the vehicle fuse box, as strong electromagnetic interference can damage the equipment.

2.Product Introduction

2.1 Product Overview

This manual is based on the product (PS003_V1.01.04.00).

This device is a professional tire pressure maintenance programming hand tool, integrating the programming, activation, diagnosis, and system learning functions of tire pressure sensors, making it your choice for TPMS (Tire Pressure Monitoring System) maintenance. As a smart device, its core features include:

- **WIFI Quick Upgrade:** Rapid device updates/optimizations via wireless networks, compatible with 98%+ mainstream vehicle models.
- **Multi-Sensor Synchronous Programming:** can synchronize multiple tire pressure sensors wirelessly to improve efficiency.
- **Original Factory-Level Learning Assistance System:** Built-in professional diagnostics (e.g., read/clear fault codes, OE number lookup) to meet diverse maintenance needs.
- **Dual-F Sensor Adaptation:** Full compatibility with dual-frequency sensors for expanded applications.

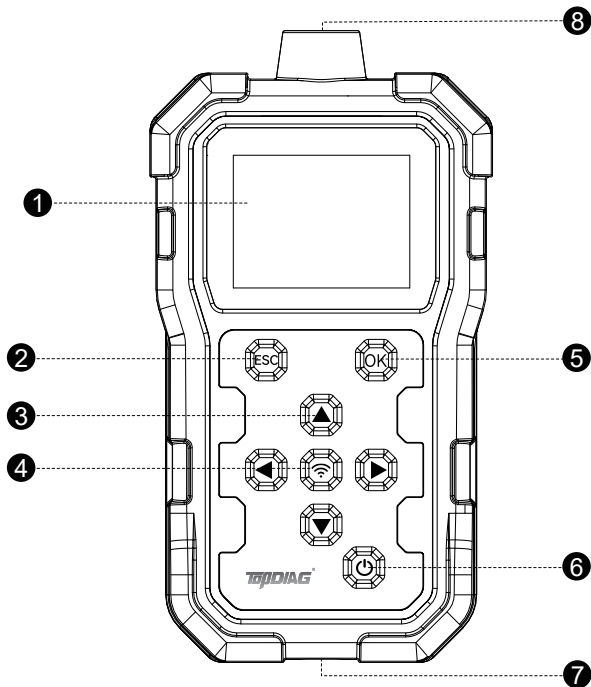
Notes:

This device is specially designed for the tire pressure sensor produced by our company. The programmed sensor can be used to replace the original sensor. If you need to purchase, equipment accessories or replacement parts, please order through our official channels or authorized dealers.

2.2 Core Function

- **OBD Diagnosis:** Reads sensor ID/fault codes and supports clear fault code, matching, and relearning.
- **WIFI Upgrade:** Wireless remote updates (no USB needed) for easier operation.
- **OE Online Search:** Quick OE number queries for compatible vehicle models via network.
- **Tire Pressure Sensor Detection:** Real-time data display (ID, pressure, temperature, battery level).
- **Tire Pressure Sensor Programming:** Supports manual input, OBD copy, auto-creation, and copy activation.
- **Frequency Detection:** Identifies vehicle remote controller frequencies (315MHz/433MHz).

2.3 Appearance Introduction



- ❶ LCD Display : Display test results
- ❷ ESC : Cancel selection or return to the previous menu
- ❸ ▲▼◀▶ : Navigation button
- ❹ 📶 : Activate sensor button or confirm selection on screen
- ❺ OK : Confirm selection
- ❻ 🔌 : Long press to turn on/off the device, short press to return to the main interface
- ❼ TYPE-C : Charge or upgrade
- ❽ Low Frequency Inductance : Transmit and receive signals

2.4 Icon Description

 : Battery level

 : WiFi not connected

 : WiFi connected

 : VCI not connected

 : VCI connected

 =Trigger: Press key to activate sensor

3.Product Parameters

Host:

Display size: 2.8-inch TFT color LCD screen (320*240 DPI)

Charging Voltage/Current: DC 5V=1.5A

Battery Capacity: 3.7V=3000mAh lithium polymer battery

Receiving Frequency: 315MHz/433MHz

Upgrade Method: 2.4G WIFI wireless /USB upgrade

Working Temperature: -20°C ~ 60°C (-4°F ~ 140°F)

Storage Temperature: -20°C ~ 60°C (-4°F ~ 140°F)

Size: 207.1*112.2*38.4 mm

Weight: 0.40 kilograms (net weight)

OBD Device (Optional):

Working Temperature: -20°C ~ 60°C (-4°F ~ 140°F)

Storage Temperature: -20°C ~ 60°C (-4°F ~ 140°F)

Communication Mode: BLE5.2 Bluetooth

Diagnostic Protocol: ISO9141-2, ISO14230-2, ISO15765, K/L-Line, SAE-J1850 VPW, SAE-J1850PWM, ISO11898 (high speed, medium speed, low speed, single wire CAN)

Interface Voltage: 9 ~ 16V

Interface Type: OBD-II standard interface

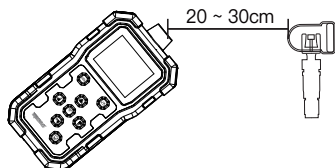
Size: 106*48*26mm

Weight: 0.09 kilograms (net weight)

4.Sensor Programming/Activation Notes

4.1 Sensor Communication Range & Requirements

Maintain a 20 ~ 30cm distance between the device and sensor for optimal communication. Avoid placing them too close or far, as it may affect data transfer speed. If communication fails, adjust the sensor's orientation and retry.



4.2 Tire sensor usage method

Ensure the device front maintains distance from the tire valve (sensor) when mounted inside (Fig 2), not directly facing it (Fig 1). This guarantees proper signal reception and prevents communication failures from misalignment.

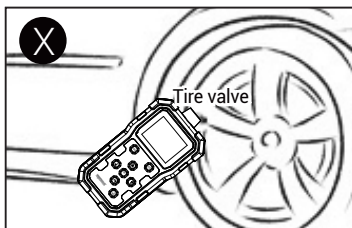


Fig 1

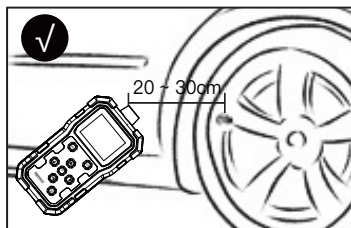
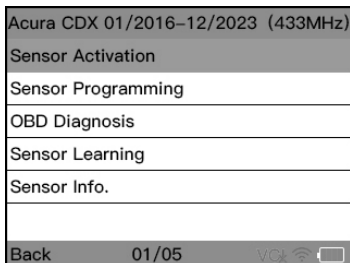


Fig 2

5.TPMS

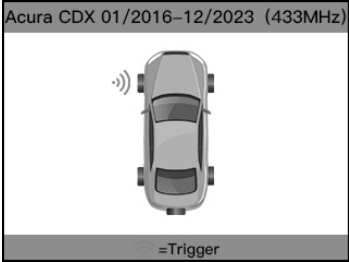
5.1 Vehicle Recognition



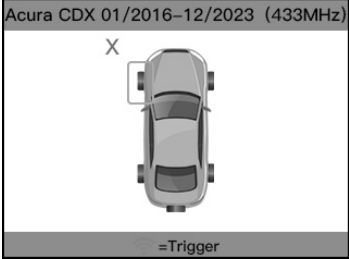
- 1) Select **【TPMS】** .
- 2) Select region.
- 3) Select brand.
- 4) Select model.
- 5) Select year.
- 6) Enter tyre pressure function.

5.2 Sensor Activation

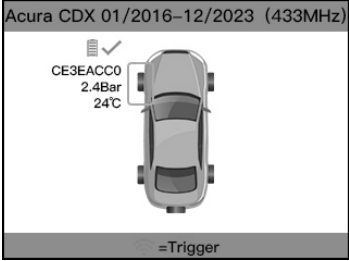
On the **【TPMS】** page, select **【Sensor Activation】** to enter the activation page (a prompt will pop up to clear previous data if any). Use **【▲】【▼】【◀】【▶】** to select sensors and activate all installed sensors as prompted.



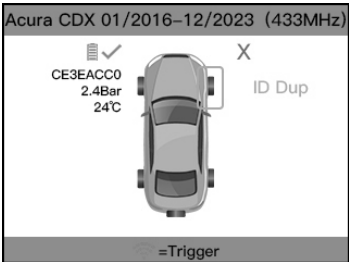
The device is receiving sensor data.



When the sensor activation fails.



When the sensor activation is successful.
The interface displays the sensor battery, sensor ID tire pressure, and temperature in sequence.



"ID Dup" indicates that the sensor ID is read repeatedly.

Sensor Status				
Pos.	ID(Hex)	KPa	°C	Bat.
L.F.	CE3EACC0	240	24	
R.F.				
R.R.				
L.R.				
SP.				
Press any key to return				

On the sensor activation interface, press the **[OK]** key to the detail page, which will provide more detailed tire pressure data and sensor status information.

5.3 Sensor Programming

Note: Before sensor programming, you need to connect to WiFi or mobile hotspot, otherwise some functions may not be available.

On the **[TPMS]** function page, select **[Sensor Programming]** to enter the programming function. There are four ways to program the sensor:

Acura CDX 01/2016-12/2023 (433MHz)	
Sensor Activation	
Sensor Programming	
OBD Diagnosis	
Sensor Learning	
Sensor Info.	
Back	02/05

Sensor Programming	
Manual ID entry	
Copy ID from OBD	
Auto.Create ID(1~20)	
Copy by Trigger	
Back	01/04

5.3.1 Manual ID Entry

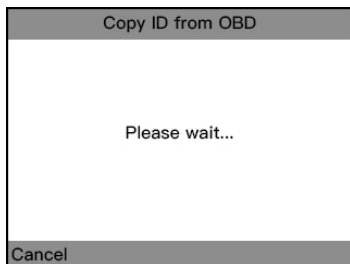
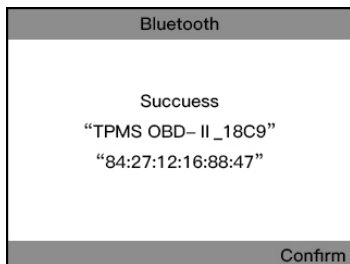
Select **[Manual ID entry]** to edit the ID manually, press **[▲]** **[▼]** **[◀]** **[▶]** to select, press **[OK]** confirm, press **[ESC]** to delete, press **[OK]** to confirm after editing completion, and then wait for the programming to be completed.

Program	
Check ID	
ID: 1E3E37C0 HEX	
Cancel	Confirm

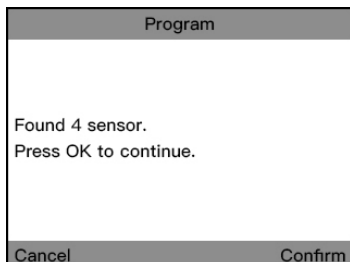
Program	
Succeed!	
ID: 1E3E37C0 HEX!	
	Confirm

5.3.2 Copy ID From OBD

- 1) Connect OBD - II to the vehicle's OBD interface and turn on the ignition switch.
- 2) After selecting **【Copy ID from OBD】**, then press **【OK】** when the "Please connect OBD first" window appears, select to search for Bluetooth or connect to last device, find the "TPMS OBD- II_***" Bluetooth and connect.
- 3) Once connected, the device reads sensor ID from ECU via OBD(VCi).
- 4) Select the ID to copy, press **【OK】** to program and wait for completion.



5.3.3 Auto.Create ID(1~20)

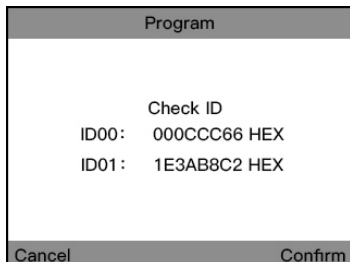
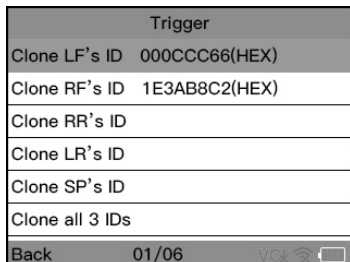


Select **【Auto.Create ID(1~20)】**, press **【OK】** to detect whether there is a sensor around, press **【OK】** again after the sensor, then wait for the encoding to complete.

5.3.4 Copy By Trigger

Select **【Copy by Trigger】** and entering the "Sensor Selection Interface". Choose the activated sensor ID (which has been activated old sensor), select **【OK】** to program and wait for completion.

Note:You need to activate the old sensor first and get the ID.

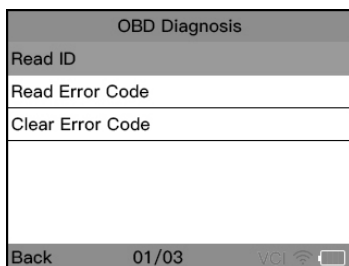
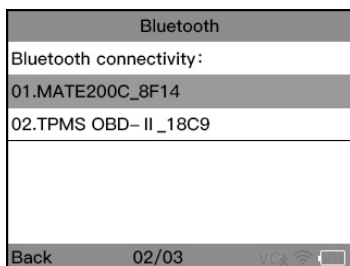


5.4 OBD Diagnosis

OBD diagnosis function for TPMS, including reading ID, reading and clearing fault codes.

Note: OBD diagnosis availability depends on the model. Connect to WiFi/mobile hotspot before operation to download required OBD files from the server.

- 1) Connect the OBD-II to the vehicle's interface and turn on the ignition.
- 2) Go to **【TPMS】** → **【OBD Diagnosis】**. If not pre-connected, a "Please connect OBD first" prompt appears. Press **【OK】** to enter the Bluetooth page, select to search for Bluetooth or connect to the last device, find the "TPMS OBD-II_***" Bluetooth and connect.
- 3) After connecting OBD (VCI), the device will display the OBD diagnosis options that can be operated **【Read ID】**, **【Read Error Code】**, and **【Clear Error Code】**.

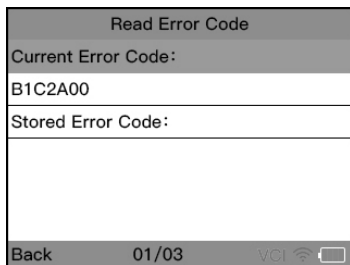


5.4.1 Read ID

Sensor ID	
Pos.	ECUID
Sensor ID	
L.F.	C87BF3A7
R.F.	11222222
R.R.	C881C135
L.R.	C899D9B8
SP.	
Back	01/06

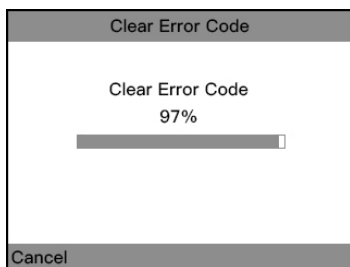
Select **【Read ID】** and wait for the reading to complete, the device will display the current vehicle ECU inside the tire pressure sensor ID.

5.4.2 Read Error Code



Select **【Read Error Code】** and wait for the reading to complete, the device will display the current vehicle ECU tire pressure error code.

5.4.3 Clear Error Code



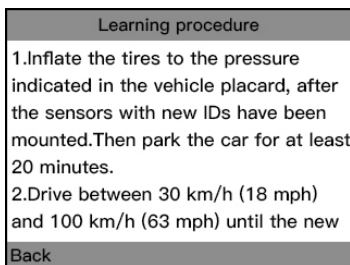
Select **【Clear Error Code】** and then wait, the device will start to eliminate fault codes and display the progress.

5.5 Sensor Learning

Sensor learning function provides two ways: self-learning, OBD learning. You only need to choose one of them, and the sensor learning matching can be completed.

Note:OBD learning function depends on the model; check the learning steps before starting the learning procedure.

5.5.1 Self-Learning



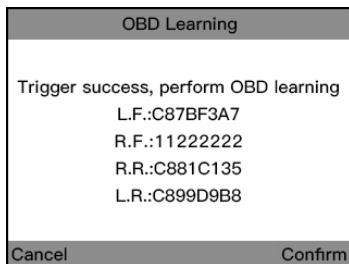
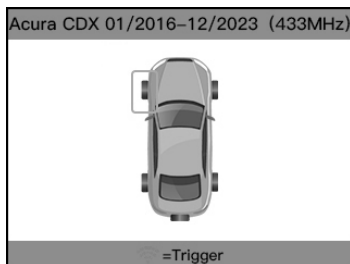
On the **【TPMS】** function page, select **【Sensor Learning】** and then select **【Learning procedure (OBD learning Automatic Learning) 】**, and then perform operation according to the learning steps, the vehicle will enter the self-learning mode.

5.5.2 OBD Learning

OBD learning can be completed with one-key activation, and the learning steps are almost the same for different vehicle, fast and efficient.

Note: Before performing OBD learning, you need to connect to WiFi or a mobile hotspot.

- 1) Connect the OBD-II tool to the vehicle's port and turn on the ignition.
- 2) Select **【TPMS】** → **【Sensor Learning】** → **【OBD Learning】**. The "Please connect OBD first" window will pop up (if was already connected to VCI, this window will not pop up). Press **【OK】** to enter the Bluetooth page, select to search for Bluetooth or connect to the last device find the "TPMS OBD-II_***" Bluetooth and connect.
- 3) Wait for the OBD tool to auto-update via WiFi.
- 4) Activate all sensors (including spare tire, if equipped) as prompted.
- 5) Confirm IDs are correct, then press **【OK】** to start learning.



5.6 Sensor Information

In the **【TPMS】** function page, select **【Sensor Info.】**.

5.6.1 OE Sensor Information

Enter **【OE Information】**, the interface will display the information of the original sensors of the selected vehicle, including: manufacturer, frequency, learning type, number, silk screen number. Press **【OK】** or **【ESC】** to return to the previous menu.

5.6.2 Our Sensor Information

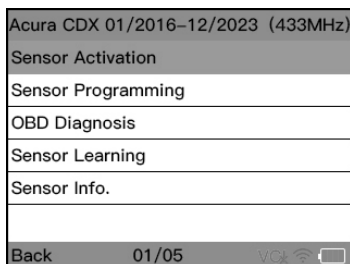
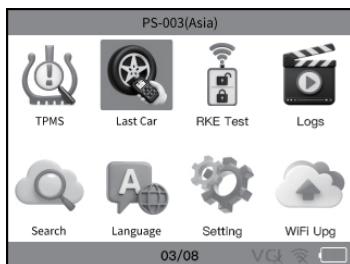
When the autonomous sensor is near the device, enter **【Our sensor information】**, the system will automatically detect and read the sensor information.

After read, The display will show sensor details (SN/PN/date/battery/versions). Press **【OK】** **【ESC】** to return to the previous menu.

Note: Place the sensor that needs to be queried within 20cm ~ 30cm of the device's top coil; keep other sensors beyond 100cm.

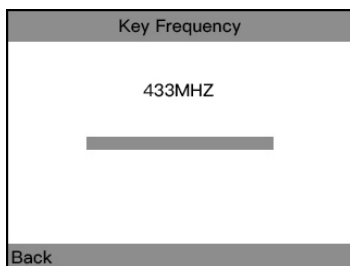
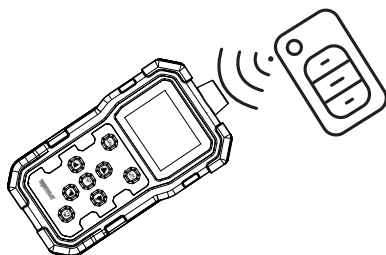
6.Last Car

Select **【Last Car】** to quickly switch to the interface of the user's last test for quick sensor activation/programming, improving efficiency.



7.RKE Test

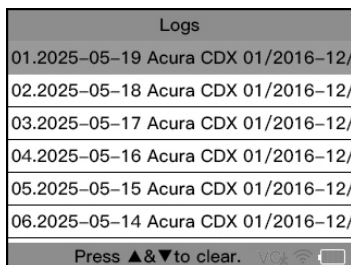
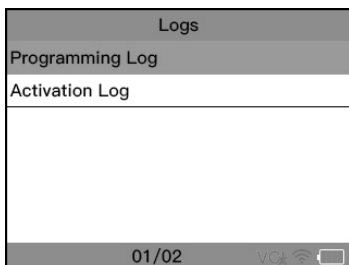
Select **【RKE Test】** , press any key on the fob. The device will display its frequency upon signal detection.



8.Logs

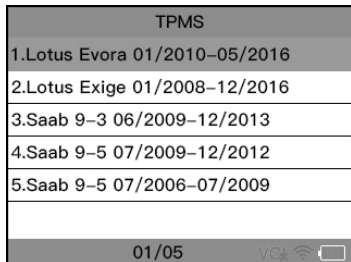
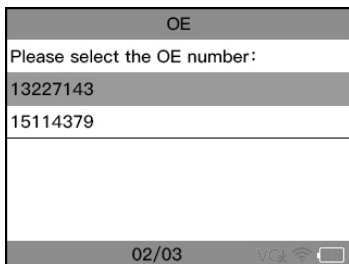
Select **【Logs】** to view recent sensor programming/activation data.

In **【Programming Log】** or **【Activation Log】** , use **【▲】** **【▼】** to navigate and **【OK】** to view details. Press both **【▲】** **【▼】** to trigger the clear prompt, then **【OK】** to confirm deletion.



9.Search

Select **[Search]** , Select by pressing **[▲][▼][◀][▶]**, press **[OK]** to confirm selection, press **[ESC]** to delete. Enter partial/full OE# (min. 3 digits), choose the correct match to quickly jump to vehicle model selection.



10.Language

Select **[Language]** , select with **[▲][▼]**, and then press **[OK]** to confirm the selection to complete the setting.

11.Setting

Support the setting and adjustment of the following parameters:

- Market: Select Asia, Europe, China or America by pressing **[▲][▼]**, **[OK]** to confirm.
- Pressure: Select Psi, Kpa or Bar by pressing **[▲][▼]**, press **[OK]** to confirm.
- Temperature: Select °C or °F by pressing **[▲][▼]**, press **[OK]** to confirm.
- ID Format: Select Auto, Hex or Decimal by pressing **[▲][▼]**, press **[OK]** to confirm.
- Buzzer: Select sound on/off by pressing **[▲][▼]**, **[OK]** to confirm.

- Auto.Off: Press【▲】【▼】to increase/decrease the auto-off time, press 【OK】 to confirm.
- Brightness: Press【▲】【▼】to increase/decrease the brightness, press 【OK】 to confirm.
- Program Power Level: Press【▲】【▼】to select 1, 2, 3, 4 or 5 gears, press 【OK】 to confirm.
- USB Upgrade: Enter the page software upgrade after USB device connection.
- WiFi: Press【▲】【▼】to select software upgrade, search WiFi, disconnect or upgrade VCI (OBD) press 【OK】 to confirm.
- Bluetooth: Press【▲】【▼】to select search Bluetooth, disconnect, connect the last device or VCI (O) update, press 【OK】 to confirm.
- About: Enter 【Device information】 to view device information.

12.WiFi Upgrade

Select 【WiFi Upgrade】 , use【▲】【▼】to select Software Upgrade, Upgrade VCI (OBD), Reconnect WiFi, Batch Download Files or Batch Download OBD Files, then press 【OK】 to confirm.

WiFi Upgrade
Software Upgrade
Upgrade VCI (OBD)
WiFi Reconnect
Batch download sensor files
Batch download OBD files
03/05 VCI WiFi

Wi-Fi
JDiag-2.4g
JDiag-2.4g
JDiag-2.4g
midea_ca_0666
JDRD1
=Trigger

13.Common Problem Handling

Cannot Activate Sensor

- Place sensor on device top within 20cm of programming antenna to reactivate.
- Check for metal between the sensor and device.
- Verify sensor condition for damage.
- Confirm whether there are multiple sensors with the same ID, and place the original sensor more than 3m away.
- Confirm correct vehicle menu selection.

Unable to program sensor

- Check for a metal barrier between the sensor and device.
- Verify if the sensor is damaged.
- Wait 1 minute, then program the sensor within 20cm of the device's top programming antenna.

No VCI(OBD) device found

- Confirm that the VCI (OBD) device is powered on.

Vehicle OBD connection error

During the diagnosis or OBD copy, the device cannot communicate with the vehicle. You need to check:

- Check if the car ignition switch is turned.
- Check if the OBD connector of the tire pressure system device and the OBD diagnostic seat of the vehicle are firmly connected.
- Confirm that the vehicle is equipped a tire pressure system.
- Confirm that the vehicle meets OBD II .
- Confirm that the vehicle menu is selected correctly.

If the above problems are eliminated, please off the ignition switch, wait for 30 seconds, turn on the ignition switch again, and continue testing.

Unable to diagnose this Vehicle

- Please update the software in time.
- Please confirm whether this model has OBD diagnostic function.

The display is not lit or not displayed

- Low battery, charge immediately.
- Adjust backlight brightness in 【Setting】 .

interference or be disturbed

If the device causes harmful interference to radio or television reception, it can be avoided by switching the device off. The user is also advised to try to correct the by one or more of the following measures:

- Adjust or re-aim the receiving antenna.
- Increase the distance between the device and the receiver.
- the device to a socket on a different circuit from the receiver.

14. Warranty And Service

One Year Warranty

Our company promises to provide warranty service for 1 year from the date of original purchase, if the product is purchased from an official source, the following conditions must be met:

- 1) The warranty is limited to repair or replacement of new equipment at no additional cost, provided that the official sales invoice or a copy of the invoice is provided.
- 2) The warranty does not cover the unauthorized disassembly of this product due to flooding lightning strikes, or outside repair shops not authorized by the company, the personnel have repaired it and considered damage caused by improper use.
- 3) Our company is not responsible for any damages caused by use, misuse or installation and testing. Some countries limitations on the duration of implied warranties are not allowed, so the above limitations may not apply to you.
- 4) All information in this manual is based on the latest and effective information at the time of publication, and there is no guarantee of its accuracy or completeness, our company reserves the right to make changes at any time without notice.

Service Process

If you have any questions in the process of using this product, please contact your local authorized distributor directly, or visit our official website for consultation.

For repairs or returns, please contact the dealer or contact your sales representative directly.