



User Manual

Wireless Diagnostics Module / Vehicle Communication Interface

V01



Safety Information

To ensure your safety and prevent damage to the device or vehicle, please carefully read and follow all instructions in this manual before use.

When operating the device, always verify proper testing procedures and strictly adhere to the instructions provided. As automotive electrical systems may vary, you must assess potential risks and ensure a safe testing environment.

Always observe all safety warnings, use appropriate tools, and disconnect power sources when necessary. Improper operation may result in personal injury, equipment damage, or voided warranty.

Safety Messages

Safety messages use standardized signal words to indicate hazard levels and prevent injuries or equipment damage:

DANGER

Will result in death or serious injury if ignored

Indicates an immediately life-threatening hazard.

WARNING

Could result in death or serious injury if ignored

Indicates a potentially dangerous situation.

Safety Instructions

This manual covers known safety hazards, but cannot anticipate all possible risks. You are responsible for ensuring safe operating conditions and procedures.

DANGER

- Always ventilate the service area when engine is running or use building exhaust removal system if available
- Carbon monoxide is odorless and deadly - can cause loss of consciousness or death

WARNINGS

- Always conduct testing in a safe, controlled environment.
- Wear ANSI-approved safety goggles during all operations.
- Keep all objects away from moving or hot engine components.
- Ensure proper ventilation to avoid toxic exhaust fumes.
- Secure the vehicle in PARK (automatic) or NEUTRAL (manual) with parking brake engaged.
- Place wheel chocks and never leave the vehicle unattended during tests.
- Exercise extreme caution around ignition systems - hazardous voltages are present.
- Maintain an ABC-rated fire extinguisher within immediate reach.
- Never connect/disconnect test equipment with ignition on or engine running.
- Keep all test equipment clean, dry and free from contaminants.
- Never operate test equipment while driving - focus solely on testing.
- Strictly follow the vehicle service manual's diagnostic procedures.
- Verify full battery charge and secure DLC connections before testing.

- Never place test equipment near the distributor due to EMI risks.

Legal Information

Trademarks

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Disclaimer & Liability Statement

Product Documentation Notice

All illustrations, specifications, and technical data in this manual are for reference only and subject to change without notice.

For the latest documentation, visit: www.vdiagtool.com/support/downloads

Limitation of Liability

VDIAGTOOL expressly disclaims all liability for:

- Any direct, indirect, incidental, or consequential damages

- Loss of profits or business interruption
- Product modifications or unauthorized use

This manual does not:

- Modify existing purchase/lease agreements
- Create additional liabilities for VDIAGTOOL
- Constitute additional product warranties

IMPORTANT:

Always consult this manual before operation, with special attention to all safety warnings.

VDIAGTOOL reserves the right to modify product specifications at any time.

Product Support & Training Resources

Technical Support

- Official Website: www.vdiagtool.com
- Support Email: support@vdiagtool.com
- US Hotline: +1-213-355-7171
- Online Form: <https://www.vdiagtool.com/support/tech-support>

Training Videos

Free product operation videos:

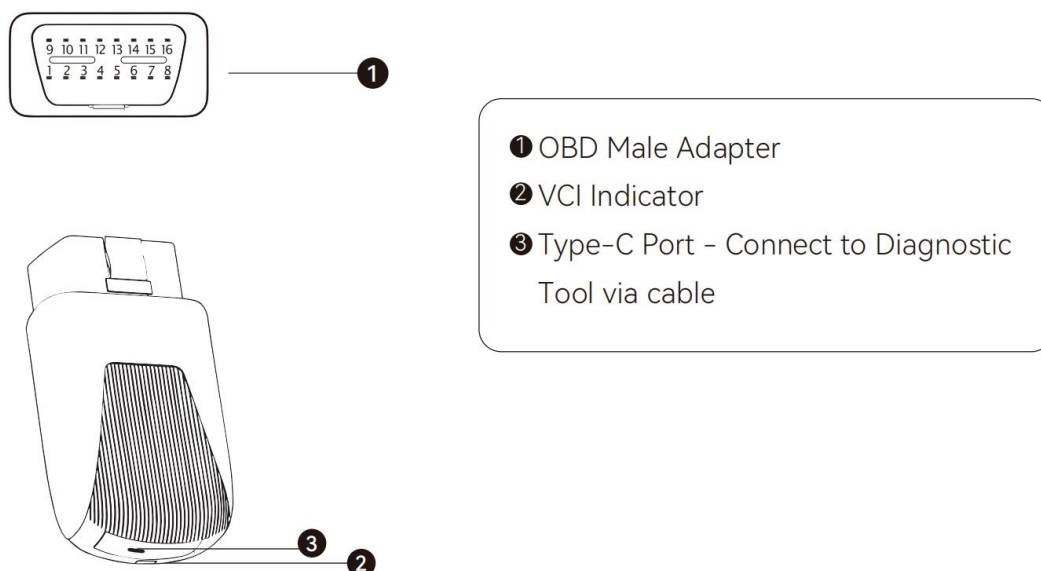
1. Visit Training Center: <https://www.vdiagtool.com/support/training-center>
2. Select **Diagnostic Tools** category
3. Watch model-specific tutorials

CONTENT

1. General Introduction	1
2. Technical Specifications	1
3. VCI Status	2
4. Common Locations of the VCI	2
5. How to Connect the VCI Box to the Vehicle	3

1. General Introduction

The VCI Box communicates with the Diagnostic Tool via Wi-Fi. The Wi-Fi wireless connection provides faster transmission speed than Bluetooth, ensuring stable communication, longer transmission distances, and higher data capacity, helping you achieve faster diagnostics.



2. Technical Specifications

Item	Description
Indicator	● Power Indicator (Green) ● Vehicle Communication Indicator (Blue) ● Vehicle connection indicator (Flashing Blue)
Connectivity	Wi-Fi
Ports	OBD2-16
Input Voltage	12V DC
Operating Temperature	-10~50°C
Relative Humidity	< 90%
Dimensions	90.0 × 50.0 × 26.0 (mm)

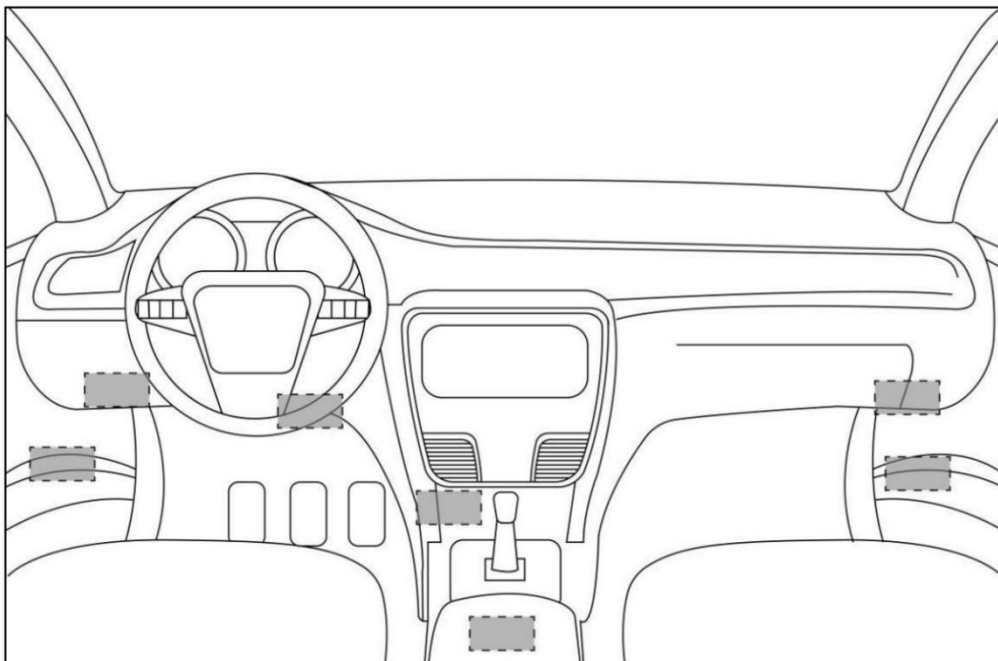
3. VCI Status

The LED displays blue and green light respectively, and each of the LEDs indicate different operating status.

- **Power Indicator** - Lights solid green when the VCI is properly connected to the vehicle/power supply.
- **Vehicle Connection Indicator** - The VCI is successfully connected to the vehicle, and the indicator light is blue.
- **Vehicle Communication Indicator** - The blue indicator light flashes when communicating with the vehicle, with varying frequency depending on the communication commands.

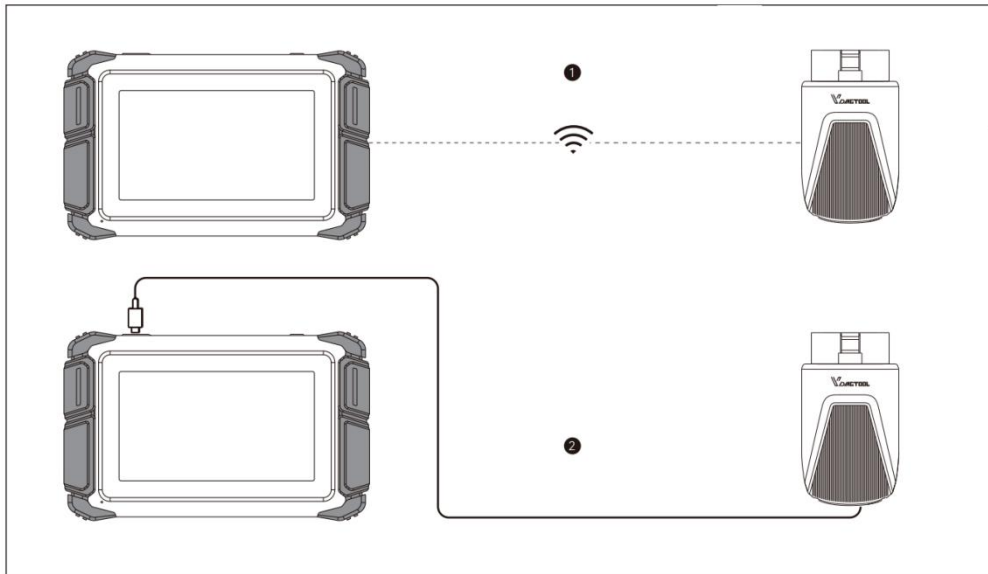
4. Common Locations of the VCI

Insert the VCI into the OBD port of the test vehicle. The diagram below shows common locations of the OBD port. If the device is connected properly, the power indicator will display a solid blue light.



5. How to Connect the VCI Box to the Vehicle

The Diagnostic Tool uses a VCI box that has OBDII-16 male connector for vehicle communication.



Note: The VCI box connects to the Diagnostic Tool via WiFi. If the WiFi function is not working currently, you can also connect to the Diagnostic Tool directly via a Type-C cable.

To establish communication between the Diagnostic Tool and the vehicle, please follow the steps below:

Step 1: Turn on the Diagnostic Tool.

Step 2: Plug VCI box into vehicle's OBDII port, make sure Power and Wi-Fi indicators light.

Step 3: Turn on the ignition and run the diagnostic program on the Diagnostic Tool.

NOTE:

Please make sure all the cables are connected tightly.

FCC Statement

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this 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.

RF Exposure Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

ISED Statement

English: 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.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

The digital apparatus complies with Canadian CAN ICES-3 (B)/NMB-3(B).

French: Cet appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux RSS exemptés de licence d'Innovation, Sciences et Développement économique Canada.

L'exploitation est soumise aux deux conditions suivantes :

- (1) Cet appareil ne doit pas provoquer d'interférences.
- (2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

l'appareil numérique du ciem conforme canadien peut - 3 (b) / nmb - 3 (b).

This device meets the exemption from the routine evaluation limits in section 6.6 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 6.6 du cnr - 102 et conformité avec rss 102 de l'exposition aux rf, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs rf et la conformité.

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment.

Cet équipement est conforme aux limites d'exposition aux rayonnements du Canada établies pour un environnement non contrôlé.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

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