USER MANUAL

W01

Wireless Diagnostics Module / Vehicle Communication Interface

SHENZHEN VDIAGTOOL TECHNOLOGY CO., LTD.

Legal Information

Trademarks

VDIAGTOOL is a trademark, registered in the United States and other countries, of Shenzhen vdiagtool Technology Co., Ltd. This publication contains Shenzhen vdiagtool Technology Co., Ltd trademarks, including but not limited to VDIAGTOOL. All other marks are trademarks or registered trademarks of their respective holders.

Copyright Information

Disclaimer of Warranties and Limitation of Liabilities

All pictures and illustrations shown are for reference purposes only. All information, specifications and illustrations in this manual are based on the latest information available at the time of printing and are subject to change without notice. While the authors have taken due care in the preparation of this manual, nothing contained herein:

◆ Modifies or alters in anyway the standard terms and conditions of the purchase, lease, or rental agreement under the terms of which the equipment to which this manual relates was acquired.

◆ Increases in anyway the liability to the customer or to third parties.

VDIAGTOOL will not be liable for any direct, special, incidental, indirect damages or any economic consequential damages (including the loss of profits).

VDIAGTOOL reserves the right to make changes at any time without notice.

IMPORTANT:

Before operating or maintaining this unit, please read this manual carefully paying extra attention to the safety warnings and precautions.

Product Support Information

Technical Assistance

Website: www.vdiagtool.com

E-Mail: support@vdiag tool. com

Phone: 1-213-355-7171 (United States)
Or use our online contact form
https://www.vdiagtool.com/tech?id=7

Manuals / Technical Documentation

This manual is periodically revised to ensure the latest information is included. Download the latest version of this manual and other related technical documentation at:
https://www.vdiagtool.com/Downloads?id=15

Product Training Videos

Diagnostic Tool specific training videos are available on our website. Follow along and learn the basics of Diagnostic Tool operation with our free training videos.
videos are product specific and are available at:
https://www.vdiagtool.com/training?id=17

Click on the **"support"- "Diagnostic Tool"** tab, select the applicable diagnostic tool, then select the training video you want to watch.

Safety Information

For your own safety and the safety of others, and to prevent damage to the device and vehicles upon which it is used, it is important that the safety instructions presented throughout this manual be read and understood by all persons operating or coming into contact with the device.

There are various procedures, techniques, tools, and parts for servicing vehicles, as well as in the skill of the person doing the work. Because of the vast number of test applications and variations in the products that can be tested with this equipment, we cannot possibly anticipate or provide advice or safety messages to cover every circumstance. It is the auto - motive technician's responsibility to be knowledgeable of the system being tested. It is crucial to use proper service methods and test procedures. It is essential to perform tests in an appropriate and acceptable manner that does not endanger your safety, the safety of others in the work area, the device being used, or the vehicle being tested.

Before using the device, always refer to and follow the safety messages and applicable test procedures provided by the manufacturer of the vehicle or equipment being tested.
Use the device only as described in this manual. Read, understand, and follow all safety messages and instructions in this manual.

Safety Messages

Safety messages are provided to help prevent personal injury and equipment damage. All safety messages are introduced by a signal word indicating the hazard level.

Danger

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury to the operator or to bystanders.

Warning

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury to the operator or to bystanders.

Safety Instructions

The safety messages herein cover situations VDIAGTOOL is aware of. VDIAGTOOL cannot know, evaluate or advise you as to all of the possible hazards. you must be certain that any condition or service procedure encountered does not jeopardize your personal safety.

Danger

when an engine is operating, keep the service area WELL VENTILATED or attach a building exhaust removal system to the engine exhaust system.

Engines produce carbon monoxide, an odorless, poisonous gas that causes slower reaction time and can lead to serious personal injury or loss of life.

Safety Warnings

● Always perform automotive testing in a safe environment.

● Wear safety eye protection that meets ANSI standards.

● Keep clothing, hair, hands, tools, test equipment, etc. away from all moving or hot engine parts.

● Operate the vehicle in a well ventilated work area, for exhaust gases are poisonous.

● Put the transmission in PARK (for automatic transmission) or NEUTRAL (for manual transmission) and make sure the parking brake is engaged.

● Put blocks in front of the drive wheels and never leave the vehicle unattended while testing.

● Be extra cautious when working around the ignition coil, distributor cap, ignition wires and spark plugs. These components create hazardous voltages when the engine is running.

● Keep a fire extinguisher suitable foe gasoline ,chemical, and electrical fires nearby.

● Do not connect or disconnect any test equipment while the ignition is on or the engine is running.

● keep the test equipment dry, clean, free from oil, water or grease. use a mild detergent on a

clean cloth to clean the outside of the equipment as necessary.

● Do not drive the vehicle and operate the test equipment at the same time. Any distraction may cause an accident.

● Refer to the service manual for the vehicle being serviced and adhere to all diagnostic procedures and precautions. Failure to do so may result in personal injury or damage to the test equipment.

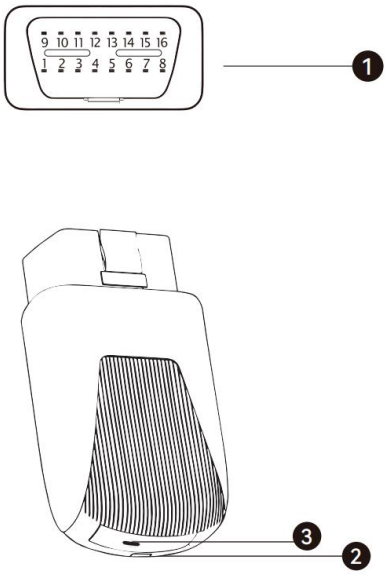
● To avoid damaging the test equipment or generating false data, make sure the vehicle battery is fully charged and the connection to the vehicle DLC is clean and secure.

● Do not place the test equipment on the distributor of the vehicle. strong electromagnetic interference can damage the equipment.

CONTENT

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.



❶ OBD Male Adapter
❷ VCI Indicator
❸ Type-C Port - Connect to Diagnostic Tool via cable

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℃
Relative Humidity	< 90%
Dimensions	90.0 × 50.0 × 26.0 （mm）

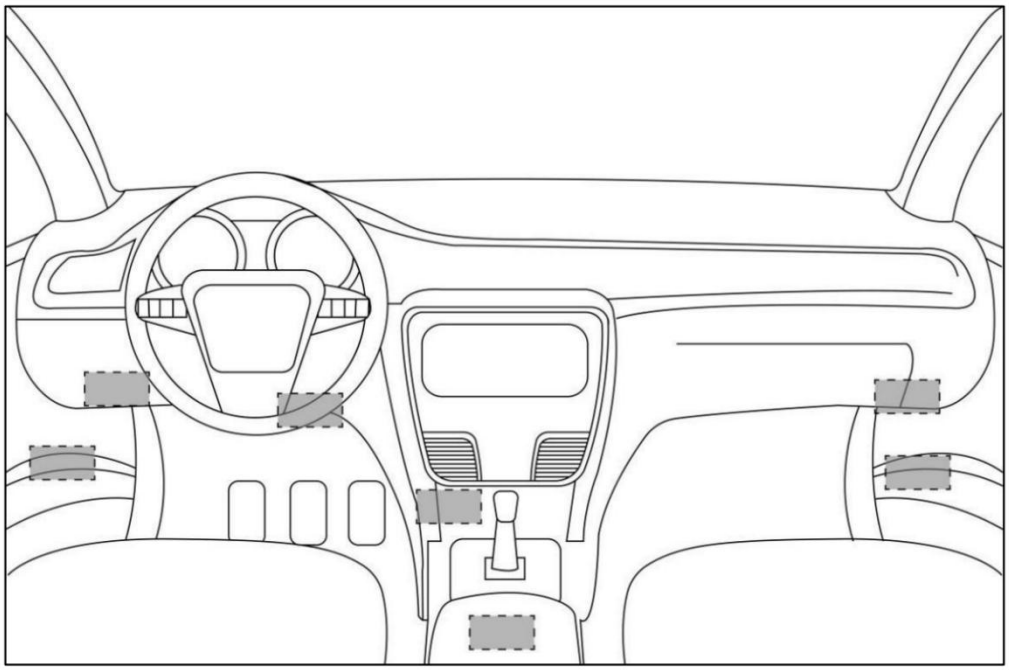
3. VCI Status

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.

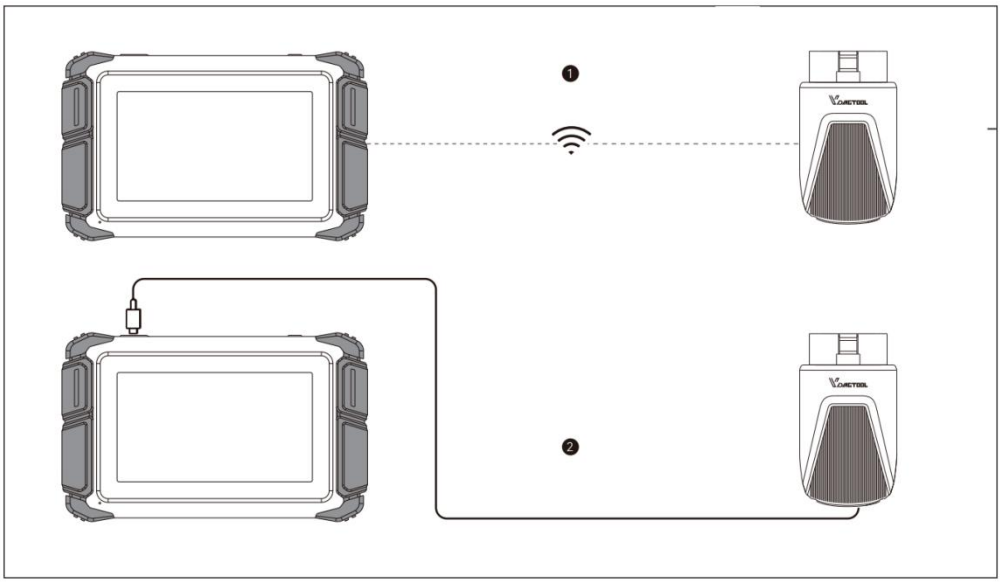
4. Common Locations of the VCI

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.

SHENZHEN VDIAGTOOL TECHNOLOGY CO., LTD.

Address: Room 601, Block A, Zaoan Bussiness Building, Shigu Road,
Xili Residential District, Nanshan District, Shenzhen

Official Website: www.vdiagtool.com

Tech Support: support@vdiagtool.com

FCC Caution:

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.

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

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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

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 6.3 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 6.3 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.