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

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

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## For Services and Support:



[pro.autel.com](http://pro.autel.com)

[www.autel.com](http://www.autel.com)



1-855-288-3587/1-855-AUTELUS (North America)

0086-755-86147779 (China)



[support@autel.com](mailto:support@autel.com)

For technical assistance in all other markets, please contact your local distributor.

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# 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 automotive 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 Autel is aware of. Autel 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.



### **Do Not Turn the Volume Up Too Loud When Using Headphones**

Listening at high volumes that over-stimulate the ear for long periods of time may result in loss of hearing.



### **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 for 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 electro-magnetic interference can damage the equipment.

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# Chapter 1 Using This Manual

This manual contains device usage instructions.

Some illustrations shown in this manual may contain modules and optional equipment that are not included in your system. Contact your sales representative for availability of other modules and optional tools or accessories.

## 1.1 Conventions

The following conventions are used.

### 1.1.1 Bold Text

Bold text is used to highlight selectable items such as buttons and menu options.

Example:

- Tap **OK**.

### 1.1.2 Notes

A **NOTE** provides helpful information such as additional explanations, tips, and comments.

### 1.1.3 Important

**IMPORTANT** indicates a situation which, if not avoided, may result in damage to the test equipment or vehicle.

### 1.1.4 Hyperlink

Hyperlinks, or links, that take you to other related articles, procedures, and illustrations are available in electronic documents. Blue colored text indicates a selectable hyperlink.

### 1.1.5 Procedure

An arrow icon indicates a procedure.

Example:

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➤ **To use the camera:**

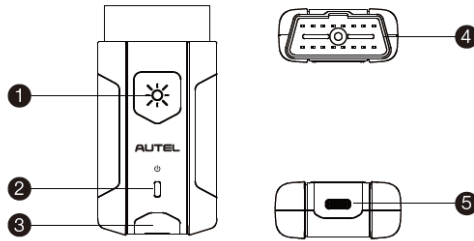
- 1 Tap the **Camera** button. The camera screen opens.
- 2 Focus the image to be captured in the view finder.
- 3 Tap the blue circle. The view finder now shows the captured picture and auto-saves the taken photo.

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## 2 VCI – Wireless Diagnostic Interface

The wireless diagnostic interface MaxiVCI V200S is a small vehicle communication interface (VCI) used to connect to a vehicle's diagnostic connector (DLC) and connect with the Display Tablet, as well as standalone PC, as a vehicle communication interface (VCI) for vehicle data transmission.

### 2.1 Functional Description



**Figure 2-4** *MaxiVCI V200S*

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1. Lighting Push Button – presses to turn on the white LED in the vehicle data connector socket
  2. Power LED – indicates power and system status
    - Yellow: illuminates solid yellow when powered on and performing self-check
    - Green: illuminates solid green when ready for use
    - Red: flashes red when the firmware is updating
  3. Vehicle/Connection LED – indicates vehicle and connection status
    - Green: illuminates green when connected via USB cable; flashes green when communicating via USB cable
    - Blue: illuminates blue when connected via Bluetooth; flashes blue when communicating via Bluetooth
  4. Vehicle Data Connector (16-pin) - connects the MaxiVCI V200 to the vehicle's 16-pin DLC directly
  5. USB Port - provides the easiest connection between the device and the display tablet via a USB cable

## Communication

The Wireless Diagnostic Interface supports both the wireless BT and the USB communication. It can transmit vehicle data to the Display Tablet with or without a physical connection. The working range of the transmitter through BT communication is about 32.8 feet (about 10 m). A signal lost due to moving out of range automatically restores itself when the Display Tablet is brought closer to the VCI unit.

## 2.2.2 Technical Specifications

**Table 2-2** *Technical Specifications*

Item	Description
<b>Communications</b>	<ul style="list-style-type: none"> <li>● BR/EDR</li> <li>● USB 2.0</li> </ul>
<b>Wireless Frequency</b>	2.4 GHz
<b>Input Voltage Range</b>	6 V-36V DC
<b>Supply Current</b>	1A @ DC5V

<b>Operating Temperature</b>	-10°C to 60°C (14°F to 140°F)
<b>Storage Temperature</b>	-40°C to 80°C (-40°F to 176°F)
<b>Dimensions (L x W x H)</b>	89.89 mm (3.53") x 46.78 mm (1.84") x 21 mm (0.82")
<b>Weight</b>	70.7g (0.156 lb.)
<b>Built-in Battery</b>	3.7V Lithium Battery
<b>Light</b>	White LED

### 2.2.3 Power Sources

The Wireless Diagnostic Interface operates on 12-volt vehicle power, which it receives through the vehicle data connection port. The unit powers on whenever it is connected to an OBD II/EOBD compliant data link connector (DLC).

## 2.3 FCC STATEMENT

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.

Warning: 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.

FCC Radiation Exposure Statement:

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 & your body.



**WARNING:**

- Applying a voltage to the ground input is likely to cause permanent damage to the oscilloscope, the attached computer, and other equipment.
- To prevent measurement errors caused by poor grounding, always use the high-quality USB cable supplied with the oscilloscope.

**C. External connections****DANGER:**

- To prevent injury or death, use only the power cord and adaptor supplied with the product.

**D. Environment****DANGER:**

- To prevent injury or death, do not use in wet or damp conditions, or around explosive gas or vapor.

**WARNING:**

- To prevent damage, always use and store your oscilloscope in appropriate environments. For detailed information on temperature and humidity specifications for both the storage and usage of the oscilloscope, see [15.1 Safety Information](#) on page 97.

**E. Product Maintenance**

The product contains no user-serviceable parts. Repair, servicing and calibration require specialized test equipment and must only be performed by Autel Tech Support or an approved service provider.

**DANGER:**

- To prevent injury or death, do not use the product if it appears to be damaged in any way, and stop use immediately if you are concerned by any abnormal operations.

**WARNING:**

- Do not tamper with or disassemble the oscilloscope, connectors or accessories. Internal damage will affect performance.
- Do not block any of the instrument's air vents as overheating will cause damage to the oscilloscope.
- When cleaning the oscilloscope, use wet soft cloth with mild detergent in water. Do not allow water to enter the oscilloscope casing, as this will cause damage to the electronics inside.

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# Chapter 19 Warranty

## 12-Month Limited Warranty

Autel Intelligent Technology Corp., Ltd. (the Company) warrants to the original retail purchaser of this MaxiCOM Diagnostic Device, that should this product or any part thereof during normal consumer usage and conditions, be proven defective in material or workmanship that results in product failure within twelve (12) months period from the date of delivery, such defect(s) will be repaired, or replaced (with new or rebuilt parts) with Proof of Purchase, at the Company's option, without charge for parts or labor directly related to the defect(s).

The Company shall not be liable for any incidental or consequential damages arising from the use, misuse, or mounting of the device. Some states do not allow limitation on how long an implied warranty lasts, so the above limitations may not apply to you.

### **This warranty does not apply to:**

- a) Products subjected to abnormal use or conditions, accident, mishandling, neglect, unauthorized alteration, misuse, improper installation or repair or improper storage;
- b) Products whose mechanical serial number or electronic serial number has been removed, altered or defaced;
- c) Damage from exposure to excessive temperatures or extreme environmental conditions;
- d) Damage resulting from connection to, or use of any accessory or other product not approved or authorized by the Company;
- e) Defects in appearance, cosmetic, decorative or structural items such as framing and non-operative parts.
- f) Products damaged from external causes such as fire, dirt, sand, battery leakage, blown fuse, theft or improper usage of any electrical source.

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**IMPORTANT:** All contents of the product may be deleted during the process of repair. You should create a back-up copy of any contents of your product before delivering the product for warranty service.

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