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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



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For technical assistance in all other markets, please refer to *Technical Support* in this manual.

# Safety Information

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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

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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 bystanders.

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### **WARNING**

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

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## Safety Instructions

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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.

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 **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 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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# 1 Using this Manual

This manual contains device usage instructions for the Autel MaxiDAS DS808S.

Some illustrations shown in this manual may contain modules and optional equipment that are not included in your system.

## 1.1 Conventions

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The following conventions are used:

### **Bold Text**

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

Example:

- Tap **OK**.

### **Notes and Important Messages**

#### *Notes*

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

Example:

---

#### **NOTE**

New batteries reach full capacity after approximately 3 to 5 charging and discharging cycles.

---

#### *Important*

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

Example:

---

#### **IMPORTANT**

Keep the cable away from heat, oil, sharp edges and moving parts. Replace damaged cables immediately.

---

## Hyperlinks

Hyperlinks are available in electronic documents. Blue italic text indicates a selectable hyperlink and blue underlined text indicates a website link or an email address link.

## Illustrations

Illustrations used in this manual are samples, the actual testing screen may vary for each vehicle being tested. Observe the menu titles and on-screen instructions to make correct option selection.

## Procedures

An arrow icon indicates a procedure.

Example:

### ➤ **To power down the tablet**

1. Press and hold the **Power/Lock** button.
2. Tap **Power off**. The tablet will turn off in a few seconds.



# 2 General Introduction

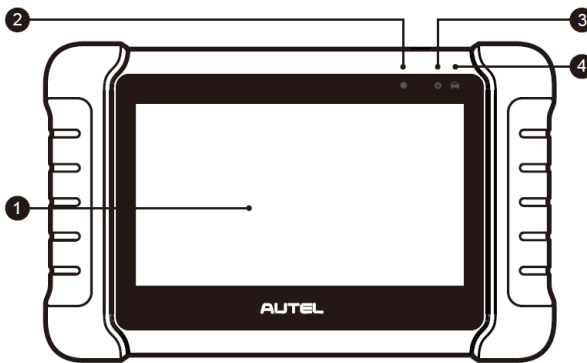
When it comes to ultra-portability, MaxiDAS DS808S is your perfect companion. Installed with a fast quad-core processor, DS808S offers maximum convenience and swift diagnosis. The intuitive user screen makes using the device effortless through a 7-inch LCD touchscreen that displays at 1024 x 600 quality. Together with the ability to quickly read and clear DTCs for all available modules of the majority of the makes and models on the market, DS808S provides you with superior special functions, including Oil Reset, EPB (Electronic Parking Brake), SAS (Steering Angle Sensor), BMS (Battery Management System), DPF (Diesel Particulate Filter), IMMO, and TPMS (Tire Pressure Monitoring System).

This manual describes the construction and operation of the device and how it works to deliver diagnostic solutions.

## 2.1 MaxiDAS DS808S Tablet

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### 2.1.1 Product Overview

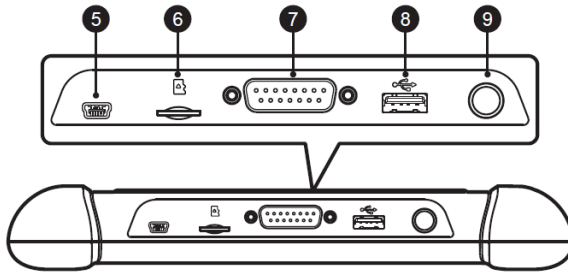


**Figure 2-1 Tablet Front View**

1. 7.0" LCD Capacitive Touchscreen
2. Ambient Light Sensor — detects ambient brightness.
3. Power LED — indicates battery level & charging or system status.
4. Vehicle Communication LED — flashes green when the tablet is communicating with the vehicle's system.

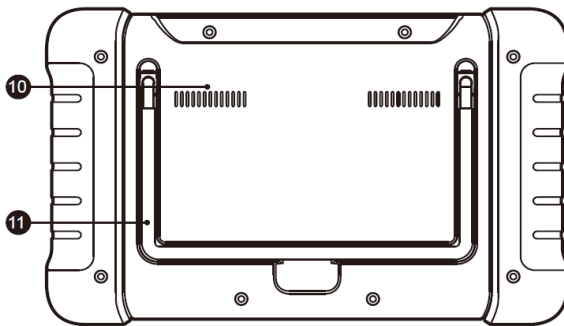
The power LED displays green, yellow or red depending on power level and operating status.

- A. Green
  - Illuminates green when the tablet is charging and the battery level is above 90%.
  - Illuminates green when the tablet is powered on and the battery level is above 15%.
- B. Yellow
  - Illuminates yellow when the tablet is charging and the battery level is below 90%.
- C. Red
  - Illuminates red when the tablet is powered on and the battery level is below 15% or an error has occurred.



**Figure 2-2 Tablet Top View**

- 5. Mini USB Port
- 6. Micro SD Card Slot — holds the micro SD card.
- 7. DB15-Pin Port — connects the main cable.
- 8. USB Port
- 9. Power/Lock Button — press and hold to turn the tablet on/off or tap to unlock the tablet.



**Figure 2-3 Tablet Rear View**

- 10. Heat Sink
- 11. Collapsible Stand — extends from the back to allow hands-free viewing of the tablet.

## 2.1.2 Power Sources

The tablet can receive power from any of the following sources:

- Internal battery pack
- Vehicle power
- External power supply

### 2.1.2.1 Internal Battery Pack

The tablet can be powered via the internal rechargeable battery, which if fully charged can provide sufficient power for about 7 hours of continuous use.

### 2.1.2.2 Vehicle Power

When the tablet is connected to the vehicle via the main cable, the tablet automatically receives power from the vehicle.

### 2.1.2.3 External Power Supply

The tablet can be powered from a wall socket using the included mini USB cable and power adapter. The external power supply also charges the internal battery pack.

## 2.2 Technical Specifications



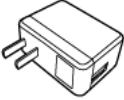
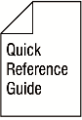
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Item	Description
Recommended Use	Indoor
Operating System	Android™ 11
Processor	Quad-core A55 processor
Memory	64 GB
Display	7-inch LCD capacitive touchscreen with 1024 x 600 resolution
Connectivity	<ul style="list-style-type: none"><li>● Mini USB 2.0</li><li>● USB 2.0</li><li>● Wi-Fi</li><li>● Micro SD card (supports up to 32 GB)</li></ul>
Sensor	Ambient light sensor

Item	Description
<b>Audio Input/Output</b>	<ul style="list-style-type: none"> <li>• Input: N/A</li> <li>• Output: buzzer</li> </ul>
<b>Power and Battery</b>	<ul style="list-style-type: none"> <li>• 3.7 V/5000 mAh lithium-polymer battery</li> <li>• Charges via 5 V DC power supply</li> </ul>
<b>Tested Battery Life</b>	Around 7 hours of continuous use
<b>Battery Charging Input</b>	5 V/2 A
<b>Power Consumption</b>	500 mA (LCD on with default brightness, Wi-Fi on) @ 3.7 V
<b>Operating Temp.</b>	0 to 50 °C (32 to 122 °F)
<b>Storage Temp.</b>	-20 to 60 °C (-4 to 140 °F)
<b>Operating Humidity</b>	5 % to 95 % non-condensing
<b>Dimensions (W x H x D)</b>	237.8 mm (9.4") x 148.6 mm (5.9") x 35.5 mm (1.4")
<b>Net Weight</b>	788 g (2.42 lbs.)
<b>Supported Automotive Protocols</b>	ISO9141-2, ISO14230-2, ISO15765, K/L-Line, Flashing Code, SAE-J1850 VPW, SAE-J1850 PWM, ISO11898 (High-speed, Middle-speed, Low-speed and Single-wire CAN, fault-tolerant CAN), SAE J2610, GM UART, UART Echo Byte Protocol, Honda Diag-H Protocol, TP2.0, TP1.6

## 2.3 Accessory Kit

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 A coiled cable with a connector on one end and a multi-pin connector on the other.	<p><b>Main Cable</b></p> <p>Connects the tablet to the vehicle's OBDII port (DLC).</p>
 A cable with a mini USB connector on one end and a standard USB connector on the other.	<p><b>Mini USB Cable</b></p> <p>Connects the tablet to the computer or power adapter.</p>
 A rectangular power adapter with two prongs on one side and a port on the other.	<p><b>Power Adapter</b></p> <p>Together with the mini USB cable, connects the tablet to the external DC power port for power supply.</p>
 An icon of a document with the text "Quick Reference Guide" written on it.	<p><b>Quick Reference Guide</b></p> <p>Device connection and diagnostic software update instructions.</p>

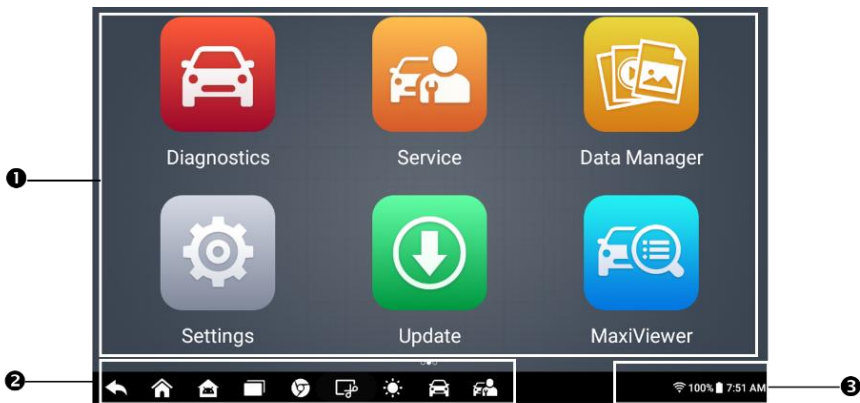
# 3 Getting Started

Ensure the tablet is sufficiently charged or is connected to an external power supply (see [Power Sources](#)).

## 3.1 Power Up

---

Press and hold the **Power/Lock** button on the top-right of the tablet to power on the unit. The power LED will illuminate green. The system boots up and displays the lock screen. Slide the Lock icon up to unlock.



**Figure 3-1 MaxiDAS Job Menu**

1. Application Buttons
2. Locator and Navigation Buttons
3. Status Icons

---

### NOTE

The tablet screen is locked by default when first powered on. We recommend you lock the screen to protect the information in the system and conserve the power.












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Almost all operations on the tablet are controlled through the touchscreen. The touchscreen navigation is menu-driven, which allows you to quickly locate the test procedure or data that you need through a series of questions and options. Detailed descriptions of the menu items can be found in the application chapters.

### 3.1.1 Application Buttons

Descriptions of the tool applications are displayed in the table below.











**Table 3-1 Applications**

Button	Name	Description
	<b>Diagnostics</b>	Accesses the unit's diagnostic functions. See <a href="#">Diagnostics</a> .
	<b>Service</b>	Accesses special functions menu. See <a href="#">Service</a> .
	<b>OEM Authorization</b>	Accesses the OEM authorization menu. See <a href="#">OEM authorization</a> .
	<b>Data Manager</b>	Accesses the saved repair shop, customer and vehicle data including detailed vehicle diagnostics and test records. See <a href="#">Data Manager</a> .
	<b>Settings</b>	Accesses the system settings menu and general tablet menu. See <a href="#">Settings</a> .
	<b>Update</b>	Accesses system software update menu. See <a href="#">Update</a> .
	<b>Support</b>	Synchronizes Autel's online service database with the MaxiDAS tablet. See <a href="#">Support</a> .
	<b>Remote Desktop</b>	Configures your unit to receive remote support using the TeamViewer application. See <a href="#">Remote Desktop</a> .
	<b>Quick Link</b>	Provides associated website bookmarks to allow quick access to product update, service, support and other information. See <a href="#">Quick Link</a> .
	<b>MaxiViewer</b>	Provides a quick search for supported functions and/or vehicles. See <a href="#">MaxiViewer</a> .
	<b>MaxiVideo</b>	Configures the tablet to operate as a video scope by connecting to an imager head cable for close vehicle inspections. See <a href="#">MaxiVideo</a> .

### 3.1.2 Locator and Navigation Buttons

Operations of the Navigation buttons at the bottom of the screen are described in the table below:

**Table 3-2 Locator and Navigation Buttons**

Button	Name	Description
	<b>Locator</b>	Indicates the location of the current screen. Swipe left or right to view the previous or next screen.
	<b>Back</b>	Returns to the previous screen.
	<b>MaxiDAS Home</b>	Returns to the MaxiDAS Job Menu.
	<b>Android Home</b>	Returns to the Android system Home screen.
	<b>Recent Apps</b>	Displays a list of applications that are currently running. Tap an app icon to launch. Close an app by swiping it to the top.
	<b>Chrome</b>	Launches the Google Chrome browser.
	<b>Screenshot</b>	Tap to capture a screenshot of the display screen.
	<b>Display Brightness</b>	Automatically adjusts the display brightness.
	<b>Diagnostic Shortcut</b>	Returns to the Diagnostics screen.
	<b>Service Shortcut</b>	Returns to the Service screen.

### 3.1.3 System Status Icons

As the tablet is working with the Android operating system, you may refer to Android documents for more information.



## 3.2 Power Down

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All vehicle communications should be terminated before shutting down the tablet. A warning message displays if a shutdown is attempted while the tablet is communicating with the vehicle. Forcing a shutdown while the tablet is communicating with the vehicle may lead to ECU problems on some vehicles. Please exit the Diagnostics application before powering down.

➤ **To power down the tablet**

1. Press and hold the **Power/Lock** button.
2. Tap **Power off**. The tablet will turn off in a few seconds.

### 3.2.1 Reboot System

In case of a system crash, press and hold the **Power/Lock** button and tap **Restart** to restart the system.

# 4 Diagnostics

The Diagnostics application can access the electronic control unit (ECU) for various vehicle control systems, including engine, transmission, antilock brake system (ABS), airbag system (SRS).

## 4.1 Getting Started

Prior to first using of the Diagnostics application, ensure a communication link is established between the tablet and the test vehicle via the main cable.

### 4.1.1 Vehicle Menu Layout

When the tablet is properly connected to the vehicle, the platform is ready to start vehicle diagnosis. Tap the **Diagnostics** application button on the MaxiDAS Job Menu to access the Vehicle Menu.














*Figure 4-1 Vehicle Menu Screen*

1. Top Toolbar Buttons
2. Manufacturer Buttons

## Top Toolbar Buttons

The operations of the toolbar buttons at the top of the screen are listed and described in the table below:

**Table 4-1 Top Toolbar Buttons**

Button	Name	Description
	<b>Home</b>	Returns to the MaxiDAS Job Menu.
	<b>VID Scan</b>	Tap to display a dropdown list. Tap <b>Auto Detect</b> for auto VIN detection; tap <b>Manual Input</b> to enter VIN manually.
	<b>All</b>	Displays all the vehicle makes in the vehicle menu.
	<b>Favorites</b>	Adds your preferred vehicle manufacturers into favorites.
	<b>History</b>	Displays stored test vehicle records. See <a href="#">Vehicle History</a> .
	<b>America</b>	Displays vehicles from U.S. automakers.
	<b>Europe</b>	Displays vehicles from European automakers.
	<b>Asia</b>	Displays vehicles from Asian automakers.
	<b>China</b>	Displays vehicles from Chinese automakers.
	<b>Search</b>	Tap the search field to show a virtual keyboard and enter a vehicle manufacturer name.
	<b>Cancel</b>	Tap to exit the search screen or cancel an operation.

## Vehicle Manufacturer Buttons

The Manufacturer Buttons list available vehicle brands for testing. Select the manufacturer button after the tablet is properly connected to the test vehicle to start a diagnostics session.

## 4.2 Vehicle Identification

The MaxiDAS diagnostics system supports four methods of Vehicle Identification.

1. Auto VIN Scan
2. Manual Input
3. Automatic Selection
4. Manual Vehicle Selection

### 4.2.1 Auto VIN Scan

The MaxiDAS diagnostics system features the latest VIN-based Auto VIN Scan function to identify vehicles with just one tap, enabling you to quickly identify the exact vehicle and scan its available systems for fault codes.

#### ➤ To perform Auto VIN Scan

1. Tap the **Diagnostics** button from the MaxiDAS Job Menu. The Vehicle Menu should display.
2. Tap the **VID Scan** button on the top toolbar.



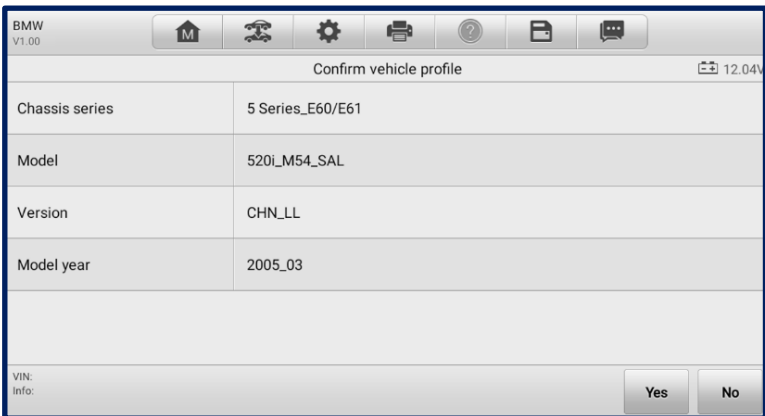
*Figure 4-2 Auto VIN Screen*

3. Select **Auto Detect**. The tablet starts VIN scanning on the vehicle's ECU. Once the test vehicle is successfully identified, the screen will display the vehicle VIN. Tap **OK** at the bottom-right to confirm the vehicle VIN.



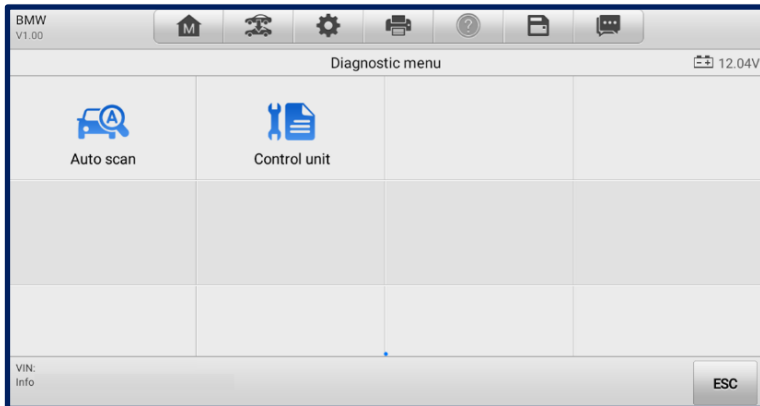
**Figure 4-3 Auto Detect Screen**

4. Tap **Yes** to confirm the vehicle profile or **No** if the information is not correct.



**Figure 4-4 Vehicle Profile Confirmation Screen**

5. The tablet will establish communication with the vehicle and read the control unit information. Choose **Auto Scan** to scan all the available systems or tap **Control Unit** to access a specific system to diagnose.



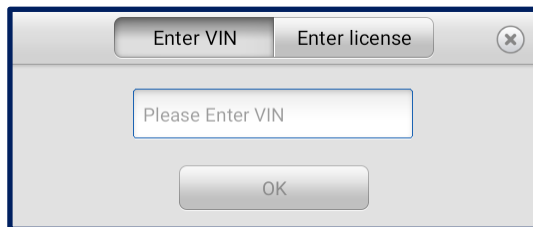
**Figure 4-5 Diagnostic Menu Screen**

## 4.2.2 Manual Input

For vehicles that do not support the Auto VIN Scan function, you may manually enter the vehicle VIN.

### ➤ To perform Manual Input

1. Tap the **Diagnostics** application button from the MaxiDAS Job Menu. The Vehicle Menu displays.
2. Tap the **VID Scan** button on the top toolbar.
3. Select **Manual Input**.
4. Tap the input box and enter the correct VIN.



**Figure 4-6 Entering VIN Screen**

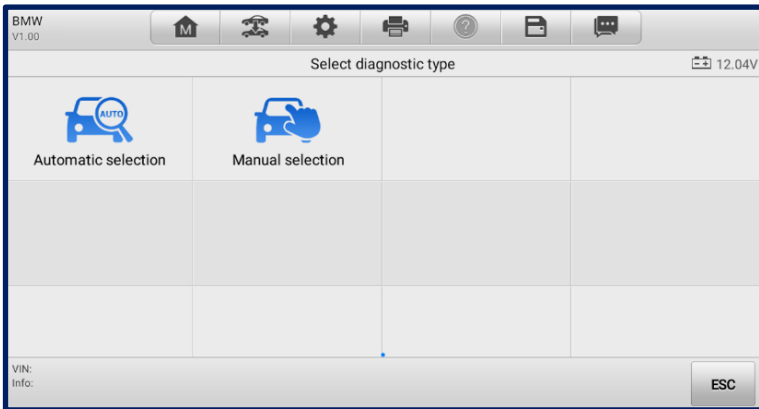
5. Tap **OK**. Once the vehicle is identified, the Vehicle Diagnostics screen will display.
6. Tap the “cross” (⊗) button at the top-right corner of the screen to exit Manual Input.

### 4.2.3 Automatic Selection

The vehicle VIN can also be automatically acquired after a vehicle manufacturer is selected.

➤ **To perform Automatic Selection**

1. Tap the **Diagnostics** application button from the MaxiDAS Job Menu. The Vehicle Menu displays.
2. Tap a manufacturer button.
3. Tap **Automatic Selection** and the VIN information will be automatically acquired. Follow the on-screen instructions to display the diagnostics screen.



*Figure 4-7 Selection Screen*

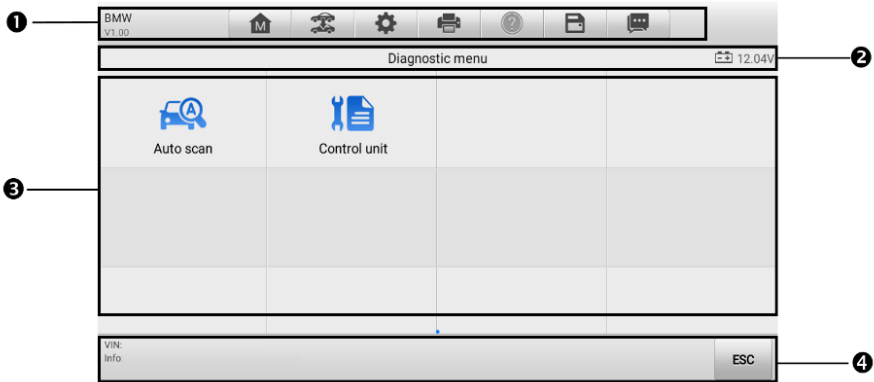
### 4.2.4 Manual Selection

When the vehicle's VIN is not automatically retrievable through the vehicle's ECU or when the specific VIN is unknown, you can select the vehicle manually.

This mode of vehicle selection is menu driven. Repeat the first two steps from the automatic selection operation and tap **Manual Selection**. Through a series of on-screen prompts and selections, the test vehicle should be chosen. If needed, press the **ESC** button at the bottom-right corner of the screen to return to the previous screen.

## 4.3 Diagnostics Screen Layout

After the test vehicle is identified, the diagnostic menu will appear. This section consists of various commonly used functions, including Auto Scan and Control Unit. The available functions displayed vary depending on the test vehicle.



**Figure 4-8 Diagnostic Screen**



The diagnostics screen typically includes four sections.

1. Diagnostics Toolbar
2. Status Information Bar
3. Main Section
4. Function Buttons






### Diagnostics Toolbar

The Diagnostics Toolbar contains buttons that allow you to print and save the displayed data along with other operations. The table below provides a brief description for the operations of these buttons.

**Table 4-2 Diagnostics Toolbar Buttons**

Button	Name	Description
	<b>Home</b>	Returns to the MaxiDAS Job Menu.
	<b>Vehicle Swap</b>	Exits the diagnostics session of the currently identified test vehicle and returns to the vehicle menu screen.



Button	Name	Description
	<b>Settings</b>	Opens the settings screen. See <a href="#">Settings</a> .
	<b>Print</b>	Saves and prints a copy of the displayed data. See <a href="#">Printing Settings</a> for additional information.
	<b>Help</b>	Provides instructions or tips for operations of various diagnostics functions.
	<b>Save</b>	<p>Tap to open a sub menu.</p> <ul style="list-style-type: none"> <li>● Tap <b>Save This Page</b> to take a screenshot.</li> <li>● Tap <b>Save All Data</b> to save a PDF file (used when data displays on multiple screens).</li> <li>● Tap <b>Save Report</b> to save the data to a report.</li> </ul> <p>These files are stored in the Data Manager for later reviews. See <a href="#">Data Manager</a>.</p>
	<b>Data Logging</b>	Tap to display the error options. Select a specific abnormal type, and a submission form will appear to let you enter the report information.

➤ **To print data in Diagnostics**

1. Tap the **Diagnostics** application button from the MaxiDAS Job Menu.
2. Tap **Print** and a drop-down menu displays. The **Print** button on the diagnostics toolbar is available throughout the Diagnostics operations.
3. Tap **Print This Page** to print a screenshot of the current screen. A temporary file will be created and sent via the computer to the printer.
4. When the file is transferred successfully, a confirmation message will appear.

➤ **To submit Data Logging reports in Diagnostics**

1. Tap the **Diagnostics** application button from the MaxiDAS Job Menu.
2. Tap the **Data Logging** button to display the error options. The **Data Logging** button on the diagnostics toolbar is available throughout the Diagnostics operations.
3. Select a specific error, and a submission form will appear to let you enter the report information.
4. Tap the **Send** button to submit the report via the Internet, and a confirmation message will appear when sent successfully.

## **Status Information Bar**

The Status Information Bar at the top of the Main Section displays the following items:

1. Menu Title — displays the menu heading of the Main Section.
2. Battery Icon — indicates the battery status of the vehicle.

## **Main Section**

The Main Section varies depending on the stage of operations, which displays vehicle identification selections, the main menu, test data, messages, instructions, and other diagnostics information.

## **Function Buttons**

The displayed Function Buttons at the bottom of the screen vary by operation. These buttons can be used to navigate menus, save or clear diagnostics data, exit scanning, and perform a number of other control functions. The use of these buttons will be discussed in detail in the following sections of the corresponding test operations.

### **4.3.1 Screen Messages**

Messages appear when additional input is needed before proceeding. There are three main types of on-screen messages: Confirmation, Warning, and Error.

#### **Confirmation Messages**

Confirmation messages inform you when you are about to perform an action that cannot be reversed or when an action has been initiated and your confirmation is needed to continue.

When a user-response is not required, the message only appears briefly before disappearing.

#### **Warning Messages**

This type of message appears when completing the selected action may result in an irreversible change or loss of data. An example of this message is the “Erase Codes” message.

#### **Error Messages**

Error messages display when a system or procedural error has occurred. Possible errors include cable disconnection and communication interruption.

### **4.3.2 Making Selections**

The Diagnostics application is a menu-driven program that presents a series of options one at a time. As you select from a menu, the next menu in the series appears. Each selection narrows the focus and leads to the desired test. Use your fingertip to make menu selections.

## 4.4 Diagnosis

The Diagnostics application enables a data link to the electronic control system of the test vehicle for vehicle diagnosis. The application performs functional tests, retrieves vehicle diagnostics information such as trouble and event codes and live data for various vehicle control systems, such as engine, transmission, and ABS.

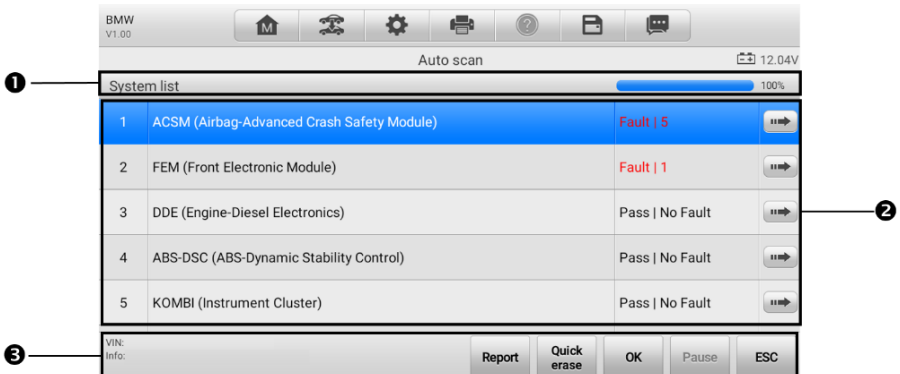
There are two options available when accessing the Diagnosis section:

1. Auto Scan — starts auto scanning for all the available systems on the vehicle.
2. Control Unit — displays a selection menu of all the available control units of the test vehicle.

After a section is made and the tablet establishes communication with the vehicle, the corresponding function menu or selection menu displays.

### 4.4.1 Auto Scan

The Auto Scan function performs a comprehensive scanning over all the ECUs in the vehicle to locate faults and retrieve DTCs.



**Figure 4-9 Auto Scan Screen**

1. Navigation Bar
2. Main Section
3. Function Buttons

#### Navigation Bar

List Tab — displays the scanned data in list format.

Progress Bar — indicates the test progress.

## Main Section

Column 1 — displays the system numbers.

Column 2 — displays the scanned systems.

Column 3 — displays the scan results.

- ✧ **-!-**: Indicates that the scanned system may not support the code-reading function, or there is a communication error between the tablet and the control system.
- ✧ **-?-**: Indicates that the vehicle control system has been detected, but the tablet cannot access it.
- ✧ **Fault(s) | #**: Indicates there is/are fault code(s) detected; “#” indicates the quantity of detected faults.
- ✧ **Pass | No Fault**: Indicates the system was scanned and no faults detected.

Column 4 — tap to enter the related system and view the detailed information.

## Function Buttons

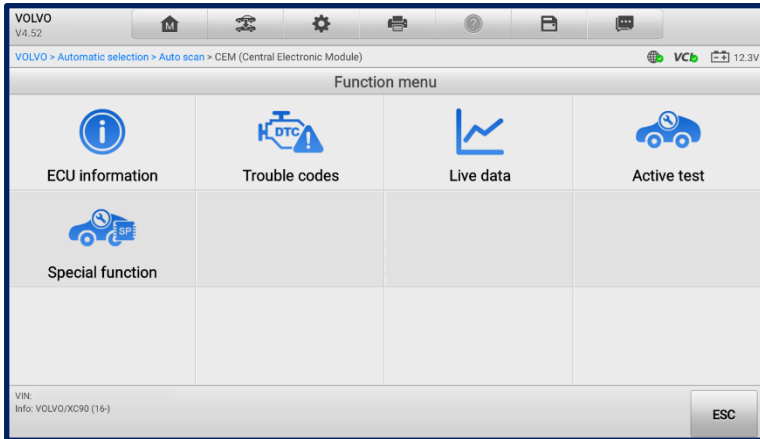
The table below provides a brief description of how the function buttons operate:

**Table 4-3 Function Buttons in Auto Scan**

Name	Description
<b>Report</b>	Displays the diagnostics data in a report.
<b>Quick Erase</b>	Erases all fault information after scanning. A warning message will display to inform you of possible data loss when this function is selected.
<b>OK</b>	Confirms the test result. Continues the system diagnosis after the required system is selected by tapping the item in the Main Section.
<b>Pause</b>	Pauses the scanning process, and it will change to <b>Continue</b> button after tapping.
<b>ESC</b>	Returns to the previous screen or exits Auto Scan.

## 4.4.2 Control Unit

The Control Unit allows you to manually locate a required control system for testing through a series of choices. Follow the menu-driven procedures and make proper selection, and the program guides you to the proper diagnostic function menu.



**Figure 4-10 Function Menu Screen**

Available functions may vary by vehicle. The function menu may include:

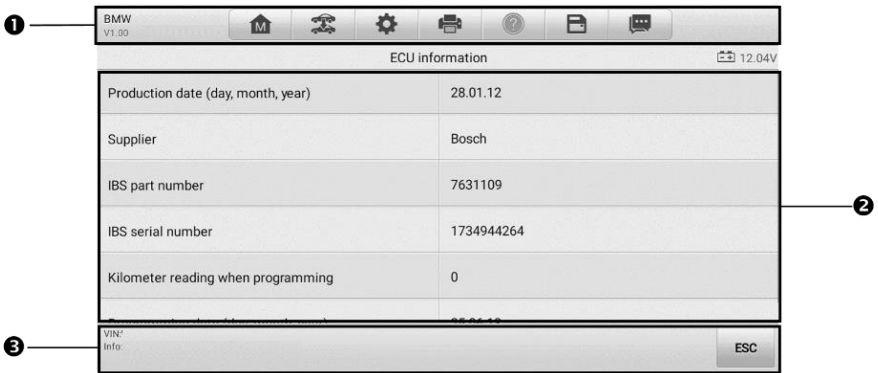
- **ECU Information** — displays detailed ECU information. Select to view the information screen.
- **Trouble Codes** — contains Read Codes and Erase Codes. The former displays detailed DTC information retrieved from the vehicle control module, the latter allows you to erase DTCs and other data from the ECU.
- **Live Data** — retrieves and displays live data and parameters from the vehicle's ECU.
- **Active Test** — accesses vehicle-specific subsystem and components tests.
- **Special Function** — performs various component adaptations.
- **Coding** — reprograms adaptive data for vehicle control modules after repairs or replacements of vehicle parts.

➤ **To perform a diagnostic function**

1. Establish communication with the test vehicle.
2. Identify the test vehicle by selecting from the menu options.
3. Select the **Diagnosis** section.
4. Locate the required system for testing by **Auto Scan** or through menu-driven selections in **Control Unit**.
5. Select the desired diagnostic function from the Function Menu.

**4.4.2.1 ECU Information**

This function retrieves and displays the specific information for the tested control unit, including unit type, version numbers, and other specifications.



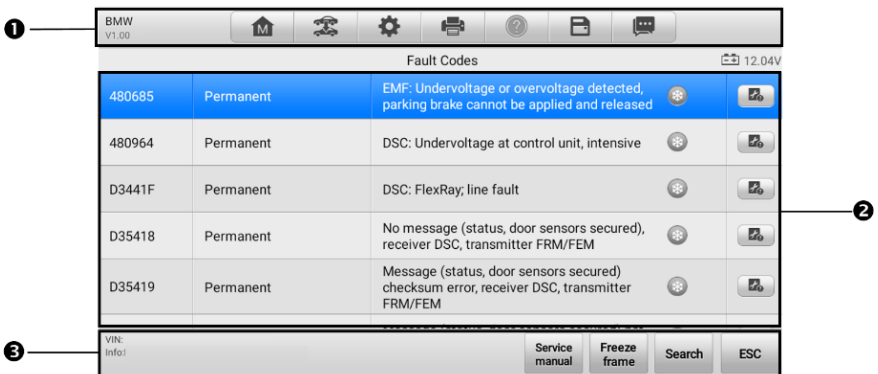
**Figure 4-11 ECU Information Screen**

1. Diagnostics Toolbar Buttons — see [Table 4-2 Diagnostics Toolbar Buttons](#) for detailed descriptions for the operations for each button.
2. Main Section — the left column displays the item names, and the right column shows the specifications or descriptions.
3. Function Button — in this case, only the **ESC** (or **Back**) button is available. Tap it to exit after viewing.

#### 4.4.2.2 Trouble Codes

##### Read Codes

This function retrieves and displays DTCs from the vehicle's control system. The Read Codes screen varies for each vehicle being tested. On some vehicles, freeze frame data can also be retrieved for viewing. A sample Read Codes screen displays as below:



**Figure 4-12 Read Codes Screen**

1. Diagnostics Toolbar — see [Table 4-2 Diagnostics Toolbar Buttons](#) for details.
2. Main Section
  - Column 1 — displays the retrieved codes from the vehicle.
  - Column 2 — indicates the status of the retrieved codes.
  - Column 3 — detailed descriptions for the retrieved codes.
  - Snowflake Icon — only displays when freeze frame data is available for viewing. Tap the icon to display the data screen, which is similar to that of the Read Codes interface and shares similar operations.
  - Column 4 — displays additional information about the retrieved fault codes.
3. Function Button
  - **Service Manual** — tap to view fault code information, including fault description, condition for fault identification, and driver information.
  - **Freeze Frame** — tap to view the freeze frame data.
  - **Search** — tap to search related fault code information on the Internet.
  - **ESC** — tap to return to the previous screen or exit the function.

## Erase Codes

After reading the retrieved codes and making repairs, you can erase the codes from the vehicle using this function. Before performing this function, make sure the vehicle's ignition key is in the ON (RUN) position with the engine off.

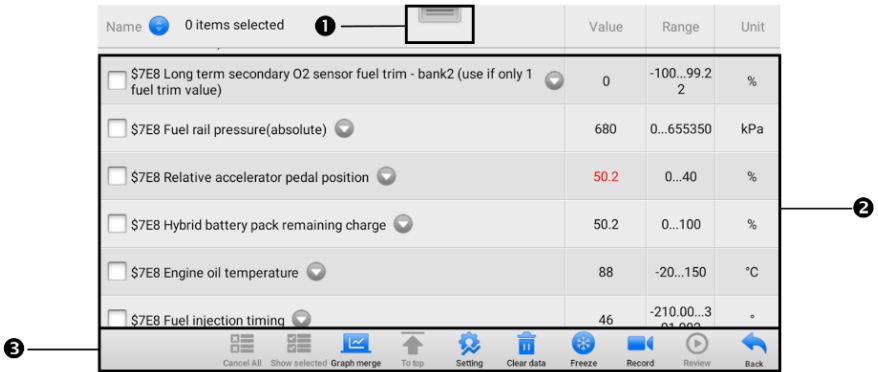
### ➤ To erase codes

1. Tap **Erase Codes** from the Function Menu.
2. A warning message displays to inform you of data loss when this function is applied.
  - a) Tap **Yes** to continue. A confirmation screen displays when the operation is successfully done.
  - b) Tap **No** to exit.
3. Tap **ESC** on the confirmation screen to exit Erase Codes.
4. Perform the Read Codes function again to ensure the operation is successful.

### 4.4.2.3 Live Data

When this function is selected, the screen displays the data list for the selected module. The parameters display in the order that they are transmitted by the ECU, so expect variation among vehicles.

Gesture scrolling allows you to quickly move through the data list. Drag your finger(s) up or down to reposition the parameters being displayed if the data occupies more than one screen. The figure below shows a typical Live Data screen:



**Figure 4-13 Live Data Screen**

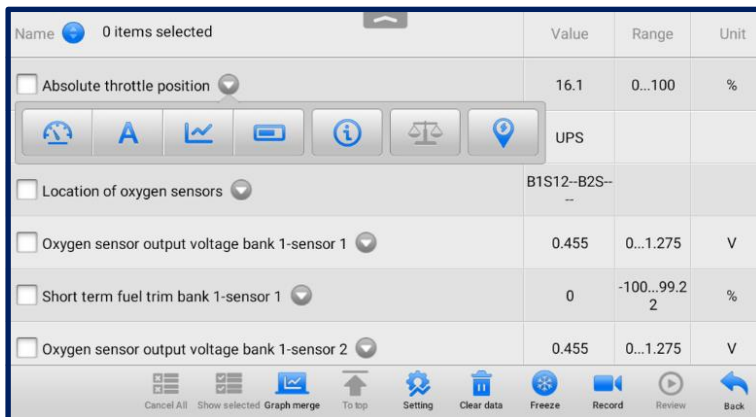
1. Diagnostics Toolbar Buttons — tap the drop-down button at the top center of the screen and the toolbar buttons will display. See [Table 4-2 Diagnostics Toolbar Buttons](#) for details.
2. Main Section
  - Name Column — displays the parameter names.
    - a) Check Box — tap the check box on the left side of the parameter name to make item selection. Tap the check box again to deselect the item.
    - b) Drop-down Button — tap the drop-down button on the right side of the parameter name to open a sub menu, providing data display mode options.
  - Value Column — displays the values of the parameter items.
  - Range Column — displays the ranges of the parameters
  - Unit Column — displays the unit for the parameters.
    - To change the unit mode, tap the **Settings** button on the top toolbar and select a required mode. See [Unit](#) for more information.

### Display Mode

There are four types of display modes available for data viewing, allowing you to view various types of parameters in the mode best suited to represent the data.

Tap the drop-down button on the right of a parameter to open a submenu. A total of 7 buttons will be displayed: The 4 buttons to the left represent different data display modes, plus an **Information** button (active when additional information is available), a **Unit Change** button (for switching the unit of displayed data), and a **Trigger** button (tap to open the Trigger Settings screen).





**Figure 4-14 Display Mode Screen**

Each parameter item displays its selected mode independently.

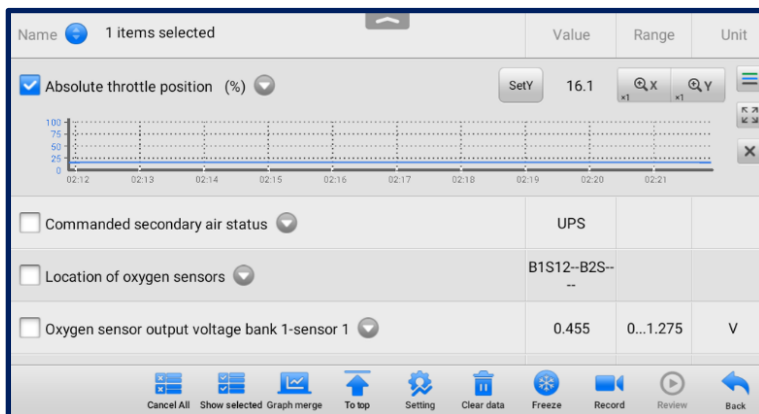
- **Analog Gauge Mode** — displays the parameters in gauge charts.
- **Text Mode** — the default mode that displays the parameters as a text list.

**NOTE**

Status parameters, such as a switch reading like ON, OFF, ACTIVE, and ABORT, can only be displayed in Text Mode. Value parameters, such as a sensor reading, can be displayed in both text and graph modes.

- **Waveform Graph Mode** — displays the parameters in waveform graphs.

In this mode, five control buttons will display on the right side of the parameter item, allowing you to manipulate the display status.



**Figure 4-15 Waveform Graph Mode Screen**

- **Settings Button (SetY)** — sets the minimum and maximum values of the Y axis.

- **Scale Button** — changes the scale values.

There are two scale buttons, displayed above the waveform graph to the right side, which can be used to change the scale values of the X axis and Y axis of the graph. There are four scales available for the X axis: x1, x2, x4 and x8. There are three scales available for the Y axis: x1, x2, and x4.

- **Edit Button** — edit the waveform color and the line thickness.
- **Zoom-in Button** — tap once to display the selected data graph in full screen.
- **Exit Button** — tap to exit the waveform graph mode.

**Full Screen Display** — this option is only available in the waveform graph mode, and primarily used in Graph Merge status for data comparison. There are four control buttons available on the top right side of the screen under this mode.

- **Scale Button** — tap to change the scale values below the waveform graph. There are four scales available for the X axis: x1, x2, x4 and x8, and three scales available for the Y axis: x1, x2, and x4.
- **Edit Button** — tap to open an edit window, in which you can set the waveform color and the line thickness displayed for the selected parameter item.
- **Zoom-out Button** — tap to exit full screen mode.
- **Exit Button** — tap to exit the waveform graph mode.

➤ **To edit the waveform color and line thickness in a data graph**

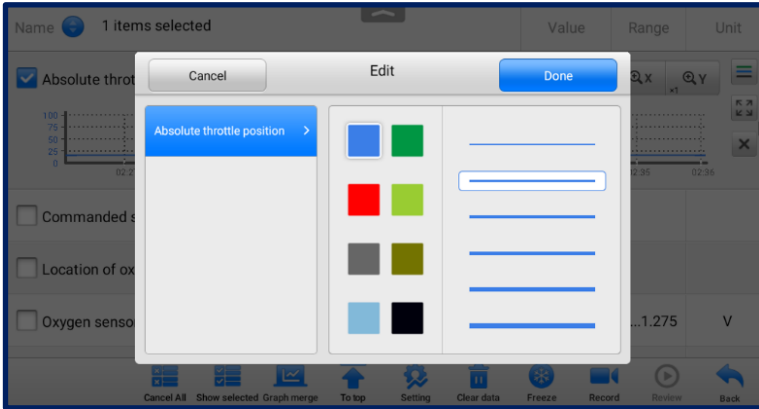
1. Select parameters to display in Waveform Graph mode.
2. Tap the **Edit** Button, and an edit window will appear.
3. The parameter is selected automatically in the left column.
4. Select a color from the second column.
5. Select a line thickness from the right column.
6. Tap **Done** to save the settings and exit, or tap **Cancel** to exit without saving.

---

🚫 **NOTE**

In full screen mode, you can edit the waveform color and line thickness by tapping the **Edit** button on the top-right side of the screen.

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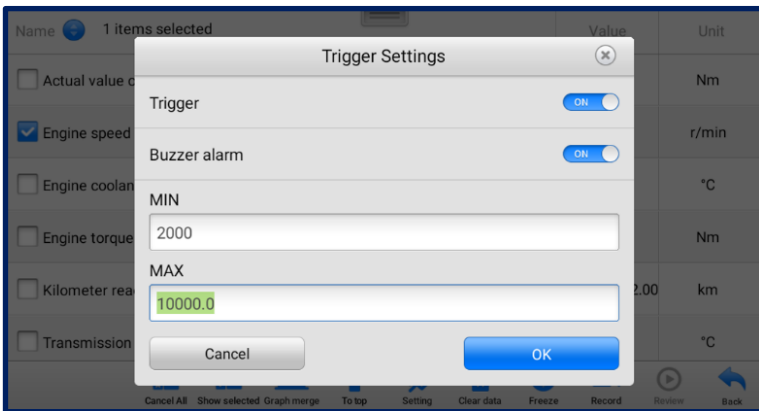
**Figure 4-16 Waveform Edit Screen**

- **Digital Gauge Mode** — displays the parameters in the form of a digital gauge graph.

### Trigger Settings

On the Trigger Settings screen, you can set a standard range by filling in a minimum value and a maximum value. When exceeding this range, the trigger function will be executed and the tablet will automatically record and save the generated data. You can review the saved live data by tapping the **Review** button at the bottom of the screen.

Tap the drop-down button on the right side of a parameter to open a submenu. The **Trigger** button is the last one in the submenu. Tap to display the Trigger Settings screen.



**Figure 4-17 Trigger Setting Screen**

Two buttons and two input boxes are available in the Trigger Settings screen.

- Trigger On — switches the trigger on and off. The trigger is ON by default.

- b) Buzzer Alarm — switches the alarm on and off. The alarm function makes a beeping sound to alert you when the data reading reaches the preset minimum or maximum values. The buzzer alarm will only sound at the first trigger.
- c) MIN — tap this input box to display a virtual keyboard to enter the required lower threshold value.
- d) MAX — tap this input box to display a virtual keyboard to enter the required upper threshold value.

➤ **To set a trigger**

1. Tap the drop-down button on the right of a parameter to open a submenu.
2. Tap the **Trigger** button on the right side of the submenu to open the Trigger Settings screen.
3. Tap the **MIN** input box and enter the required minimum value.
4. Tap the **MAX** input box and enter the required maximum value.
5. Tap **OK** to save the settings and return to the Live Data screen, or tap **Cancel** to exit without saving.

When the trigger is set, a trigger mark will appear in front of the parameter. The mark is gray when it is not triggered, and displays orange when triggered. Moreover, two horizontal lines display on each of the data graphs (when Waveform Graph Mode is applied) to indicate the alarm point. The threshold lines are shown in different colors to differentiate them from the parameter waveforms.

**Function Buttons**

The operations of available function buttons on the Live Data screen are described below:

**Cancel All** — tap to cancel all selected parameters. Up to 50 parameters can be selected at one time.

**Show Selected/Show All** — tap to switch between the two options. One displays the selected parameters, the other displays all available items.

**Graph Merge** — tap to merge selected data graphs (for Waveform Graph Mode only). This function is very useful when comparing different parameters.

---

 **NOTE**

This mode supports the merging of 2 to 5 parameters from different graphs. Only quantitative parameters are supported.

---

➤ **To merge selected data graphs**

1. Select parameters to be merged.
2. Tap the **Graph Merge** button at the bottom of the Live Data screen.

- This mode only supports quantitative parameters that can be represented digitally. If non-digital parameters are selected, a message will display advising the user that the selected parameters are not supported in this mode and to select 2 to 5 digital parameters. Tap **Got It** to return to the previous screen and select supported parameters.
  - When unsupported parameters are selected, a message will appear advising the user to select only supported parameters. A message will also appear if more than 5 parameters have been selected. Please select 2 to 5 supported parameters and tap the **OK** button to merge.
3. Tap the **Cancel Merging** button at the bottom of the Live Data screen to cancel merging.

**To Top** — moves a selected data to the top of the list.

**Setting** — tap to set recording duration: From 5 seconds to 60 minutes.

➤ **To set live data recording duration**

1. Tap the **Setting** button at the bottom of the Live Data screen.
2. Tap the “>” button to the right of **Recording Time After Trigger** bar and select a time length.
3. Tap **OK** to save the setting and return to the Live Data Setting screen, or tap the “x” button at the upper-right corner to exit without saving.
4. Tap **Done** at the upper-right corner of the Live Data Setting screen to confirm and save the setting, and return to the Live Data screen, or tap **Cancel** to exit without saving.

**Clear Data** — tap to clear all cached live data.

**Freeze** — displays a still capture of retrieved data.

- Previous Frame — moves to the previous frame of frozen data.
- Next Frame — moves to the next frame of frozen data.
- Play/Pause — tap to play/pause the frozen data.
- Resume — tap to exit the freeze data mode and return to live data display.

**Record** — starts recording the live data of the selected data items. Tap the **Record** button at the bottom of the Live Data screen. A message will display prompting user to select parameters to record. Tap **Got It** to confirm. Scroll down and select data to record. Tap the **Record** button to start recording. Tap the **Resume** button to stop recording. The recorded live data can be viewed in the **Review** section at the bottom of the Live Data screen. The recorded data can also be reviewed in the Data Manager application.

- Resume — tap to stop data recording and return to normal data display.

- **Flag** — displays when the Record function is applied. Tap to set flags to mark points of interest when recording data. Notes can be added during playback in Review or Data Manager. Select the preset flag to open a popup window and display a virtual keyboard to enter notes.

**Review** — reviews the recorded data. Tap the **Review** button to display a list of recordings. Select an item to review.

---

 **NOTE**

Only data recorded during the current operation can be reviewed on the Live Data screen. All historical recorded data can be reviewed in Review Data in the Data Manager application.

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- **Previous Frame** — moves to the previous frame of recorded data.
- **Next Frame** — moves to the next frame of recorded data.
- **Play/Pause** — tap to play/pause the recorded data.
- **Show Selected** — displays the selected parameters.
- **Graph Merge** — merges selected data graphs.
- **Back** — exits the review and returns to the Live Data screen.

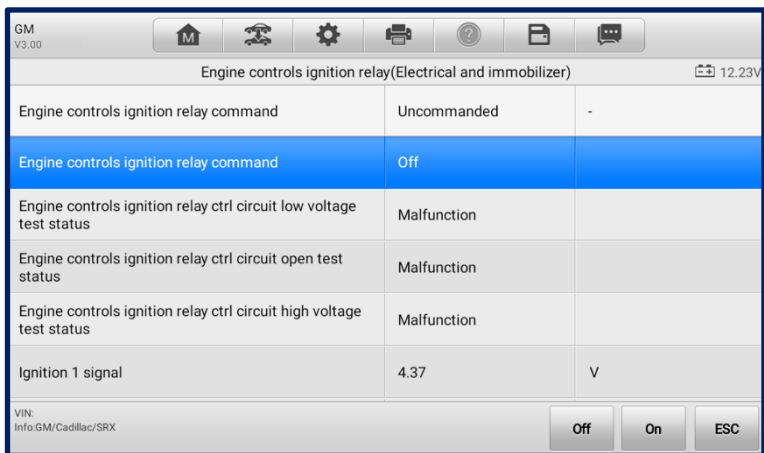
**Back** — returns to the previous screen or exits the function.

#### 4.4.2.4 Active Test

The Active Test function is used to access vehicle-specific subsystem and component tests. Available tests vary by vehicle.

During an active test, the tablet sends commands to the ECU to activate the actuators. This test determines the integrity of the system or part by reading ECU data, or by monitoring the operation of the actuators. Such tests may include switching a solenoid, relay or switch, between two operating states.

Selecting Active Test displays a menu of test options. Available tests vary by vehicle. Select a test from the menu options. Follow the instructions displayed on the screen to complete the test. Procedures and instructions vary by vehicle.

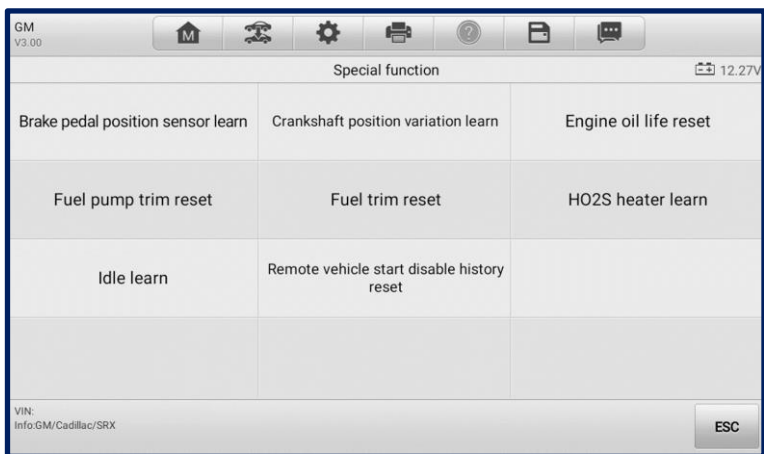


**Figure 4-18 Active Test Screen**

The function buttons in the lower-right corner of the Active Test screen manipulate the test signals. Operational instructions are displayed in the main section of the test screen. Follow the on-screen instructions and make appropriate selections to complete the tests. Tap the **ESC** button to exit the test when finished.

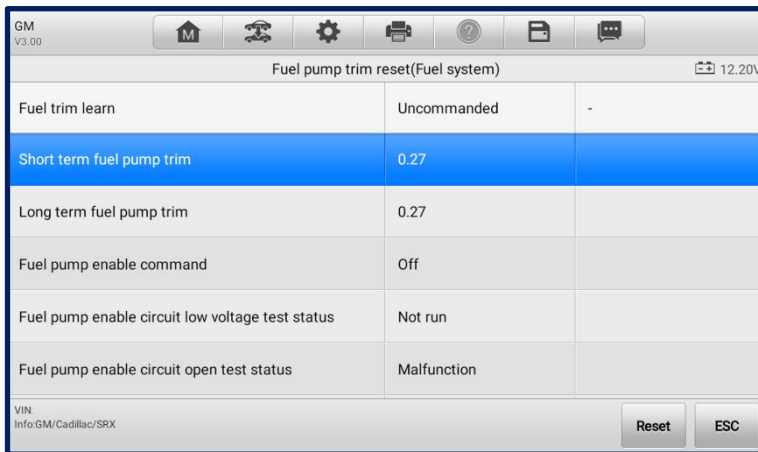
#### 4.4.2.5 Special Functions

These functions perform various component adaptations, including the recalibration or configuration of certain components after repairs or replacements have been completed.



**Figure 4-19 Special Function Screen 1**

Select a function to display detailed information and the execution screen.



**Figure 4-20 Special Function Screen 2**

List Tab Page:

- Column 1 — displays the description of the function being performed or the live data corresponding to the special function.
- Column 2 — displays the execution status such as Completed or Activated or the corresponding live data values.
- Column 3 — displays the measurement units of the live data.

Tap a function button to perform the selected function or exit the function.

#### 4.4.2.6 Coding

Selecting the Coding function opens a menu of operation options that varies by vehicle make and model. Follow all on-screen instructions while performing the coding operations.

The main section of the Coding screen displays a list of vehicle components and coding information that mainly consists of two parts:

1. All available systems for coding are displayed on the left side, and the coding data or value on the right side.
2. The bottom of the main section displays the function buttons that enable you to manipulate the operation.

Check the vehicle condition and coding information carefully. Use the function button to edit the codes for corresponding components. Tap **Send** when you finish editing all items. When the operation is completed, an execution status message such as “Completed”, “Finished” or “Successful” may appear.

Tap the **ESC** button to exit the function.



## 4.5 Generic OBDII Operations

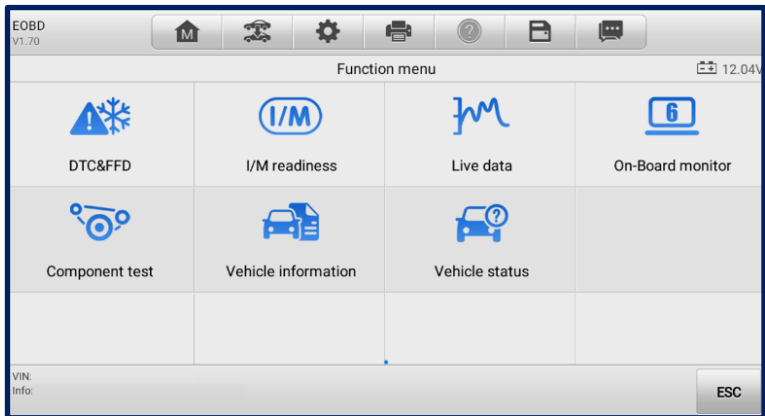
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OBDII/EOBD vehicle diagnosis option offers a quick way to check for DTCs, isolate the cause of an illuminated malfunction indicator lamp (MIL), check monitor status prior to emissions certification testing, verify repairs, and perform other emissions-related services. The OBDII direct access option is also used for testing OBDII/EOBD-compliant vehicles that are not included in the Diagnostics database. Diagnostics toolbar buttons at the top of the screen are available for specific vehicle diagnostics. See [Table 4-2 Diagnostics Toolbar Buttons](#) for details.

### 4.5.1 General Procedure

➤ **To access the OBDII/EOBD diagnostics functions**

1. Tap the **Diagnostics** application button from the MaxiDAS Job Menu. The Vehicle Menu will appear.
2. Tap the **EOBD** button. There are two options for establishing communication with the vehicle.
  - **Auto Scan** — select to establish communication using each protocol in order to determine which one the vehicle is using.
  - **Protocol** — select to open a submenu of available protocols. A communications protocol is a standardized way of data communication between an ECM and a diagnostic tool. Global OBD may use several different communications protocols.
3. Select a specific protocol under the **Protocol** option. Wait for the OBDII Diagnostics Menu to appear.
4. Select a function to continue. Supported functions may vary by vehicle.
  - DTC & FFD
  - I/M Readiness
  - Live Data
  - On-Board Monitor
  - Component Test
  - Vehicle Information
  - Vehicle Status



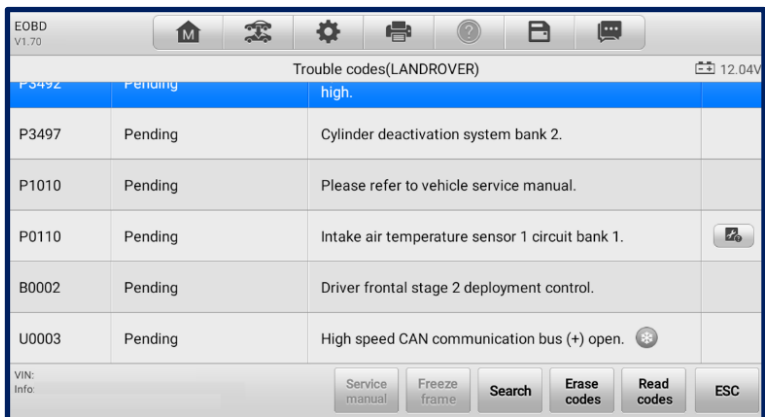
**Figure 4-21 OBDII Diagnostics Menu Screen**

## 4.5.2 Function Descriptions

This section describes the various functions of each diagnostic option:

### DTC & FFD

When this function is selected, the screen displays a list of stored codes and pending codes. When the Freeze frame data of certain DTCs are available for viewing, a snowflake button will display on the right side of the DTC item. The Erase Codes and Read codes functions can be applied by tapping the function buttons at the bottom of the screen.



**Figure 4-22 DTC & FFD Menu Screen**

- Stored Codes

Stored codes are emissions-related DTCs from the ECU of the vehicle. OBDII/EOBD codes are prioritized according to their emissions severity, with higher-priority codes overwriting lower-priority ones. The priority of the code determines the illumination of the Malfunction Indicator Light (MIL) and the codes erase procedure. Manufacturers rank codes differently, so DTCs may vary by vehicle.

- Pending Codes

These are codes whose storing conditions have been met during the last drive cycle, but need to be met on two or more consecutive drive cycles before the DTC is stored. The purpose of displaying pending codes is to assist the service technician after a vehicle repair when diagnostic information is cleared, by reporting test results after a single drive cycle.

- a) If a test fails during the drive cycle, the DTC associated will be reported. If the pending fault does not occur again within 40 to 80 warm-up cycles, the fault is automatically cleared from memory.
- b) Test results reported do not necessarily indicate a faulty component or system. If test results indicate another failure after additional driving, a DTC is stored to indicate a faulty component or system.

- Freeze Frame

In most cases, the stored frame is the last DTC reported. Certain DTCs, those that have a greater impact on vehicle emission, have a higher priority. In these cases, DTCs of the highest priority will be retained. Freeze frame data includes a "snapshot" of critical parameter values at the time the DTC is stored.

- Erase Codes

This option is used to clear all emissions-related diagnostics data including DTCs, freeze frame data, and specific manufacturer-enhanced data from the vehicle ECU. This option resets the I/M Readiness Monitor Status for all vehicle monitors to "Not Ready" or "Not Complete".

A confirmation screen will appear when the Clear Codes option is selected to prevent accidental loss of data. Select **Yes** on the confirmation screen to continue or **No** to exit.

## **I/M Readiness**

This function is used to check the readiness of the monitoring system. It is an excellent function to use prior to having a vehicle inspected for local emissions compliance. Selecting I/M Readiness opens a submenu with two choices:

- Since DTCs Cleared — displays the status of monitors since the last time the DTCs were erased.
- This Drive Cycle — displays the status of monitors since the beginning of the current drive cycle.

## Live Data

This function displays the real time PID data from the ECU. Displayed data includes analog and digital input and output, and system status information broadcast in the vehicle data stream.

Live data can be displayed in various modes. See [Live Data](#) for detailed information.

## On-Board Monitor

This option allows you to view the results of On-Board Monitor tests. The tests are useful after the service when a vehicle's control module memory is already erased.

## Component Test

This function enables dual-directional control of the ECM so that the tablet can transmit control commands to operate the vehicle systems. This function is useful in determining how well the ECU responds to a command.

## Vehicle Information

This function enables the display of the vehicle identification number (VIN), calibration identification number, calibration verification number (CVN), and other information of the test vehicle.

## Vehicle Status

This function checks the current condition of the vehicle, such as the communications protocols of OBDII modules, quantity of fault codes, and the status of the Malfunction Indicator Light (MIL).

## 4.6 Exiting Diagnostics

---

The Diagnostics application remains open as long as there is an active communication with the vehicle. You must exit the diagnostics operation to stop all communications with the vehicle before closing the Diagnostics application.

### NOTE

Damage to the vehicle electronic control module (ECM) may occur if communication is disrupted. Ensure all forms of communication link such as data cable, USB cable, and wireless or wired network, are properly connected throughout the test. Exit all interfaces before disconnecting the test cable and power supply.

---

### ➤ To exit the Diagnostics application

1. On an active diagnostic screen, tap the **Back** or **ESC** function button to exit a diagnostic session; Or
2. Tap the **Vehicle Swap** button in the diagnostics toolbar to return to the Vehicle Menu screen.

3. On the Vehicle Menu screen, tap the **Home** button on the top toolbar; or tap the **Back** button on the navigation bar at the bottom of the screen. Or
4. Tap the **Home** button on the diagnostics toolbar to exit the application directly and return to the MaxiDAS Job Menu.

Now, the Diagnostics application is no longer communicating with the vehicle and it is safe to open other MaxiDAS applications or exit the MaxiDAS Diagnostics System and return to the Android Home screen.

# 5 Service

The Service application is specially designed to provide quick access to the vehicle systems for various scheduled service and maintenance tasks. The typical service operation screen is a series of menu-driven commands. Follow the on-screen instructions to select appropriate options, enter values or data, and perform necessary actions. The application will display detailed instructions to complete selected service operations.

After entering a special function, the screen will display two options: **Diagnosis** and **Hot Functions**. **Diagnosis** enables the reading and clearing of codes, which is sometimes necessary after completing certain special functions. **Hot Functions** consists of sub functions of the selected special function.

The most commonly used services are described in this chapter.

## 5.1 Oil Reset Service

---

Perform reset for the Engine Oil Life system, which calculates an optimal oil life change interval depending on the vehicle driving conditions and climate. The Oil Life Reminder must be reset each time the oil is changed so that the system can calculate when the next oil change is required.

---

### ! IMPORTANT

- Always reset the engine oil life to 100% after every oil change.
  - All required work must be carried out before the service indicators are reset. Failure to do so may result in incorrect service values and cause DTCs to be stored by the relevant control module.
  - For some vehicles, the tool can reset additional service lights such as maintenance cycle and service interval. On BMW vehicles for example, service resets include engine oil, spark plugs, front/rear brakes, coolant, particle filter, brake fluid, micro filter, vehicle inspection, exhaust emissions inspection and vehicle checks.
- 

## 5.2 Electronic Parking Brake (EPB) Service

---

This function has a multitude of usages to maintain the electronic braking system including deactivating and activating the brake control system, assisting with brake fluid control, opening and closing brake pads, and calibrating brakes after disc or pad replacement.

## EPB Safety

It can be dangerous to perform Electronic Parking Brake (EPB) system maintenance, so before you begin the service work, please keep the following rules in mind:

- Ensure that you are fully familiar with the braking system and its operation before commencing any work.
- The EPB control system may require deactivation before carrying out any maintenance/diagnostic work on the brake system. This can be done from the tool menu.
- Only carry out maintenance work when the vehicle is stationary and on level ground.
- Ensure that the EPB control system is reactivated after the maintenance work has been completed.

---

### NOTE

Autel accepts no responsibility for any accident or injury arising from the maintenance of the EPB system.

---

## 5.3 Battery Management System (BMS) Service

---

The BMS (Battery Management System) allows the tool to evaluate the battery charge state, monitor the closed-circuit current, register the battery replacement, and activate the rest state of the vehicle.

---

### NOTE

- This function is not supported by all vehicles.
  - The sub functions and actual test screens of the BMS may vary by vehicle. Follow the on-screen instructions to make correct selections.
- 

The vehicle may use either a sealed lead-acid battery or an AGM (Absorbed Glass Mat) battery. Lead acid batteries contain liquid sulphuric acid and can spill when overturned. AGM batteries (valve regulated lead acid, VRLA batteries) also contain sulphuric acid, but the acid is contained in glass mats between terminal plates.

It is recommended that the replacement aftermarket battery has the same specifications, such as capacity and type, as the original battery. If the original battery is replaced with a different type of battery (e.g., a lead-acid battery is replaced with an AGM battery) or a battery with a different capacity (mAh), the vehicle may require reprogramming the new battery type in addition to performing the battery reset. Consult the vehicle manual for additional vehicle-specific information.

## 5.4 Steering Angle Sensor (SAS) Service

---

Steering Angle Sensor Calibration permanently stores the current steering wheel position as the straight-ahead position in the steering angle sensor EEPROM. Therefore, the front wheels and the steering wheel must be set exactly to the straight-ahead position before calibration. In addition, the vehicle identification number is also read from the instrument cluster and stored permanently in the steering angle sensor EEPROM. On successful completion of calibration, the steering angle sensor fault memory is automatically cleared.

Calibration must always be carried out after the following operations:

- Steering wheel replacement
- Steering angle sensor replacement
- Any maintenance that involves opening the connector hub from the steering angle sensor to the column
- Any maintenance or repair work on the steering linkage, steering gear or other related mechanism
- Wheel alignment or wheel track adjustment
- Accident repairs where damage to the steering angle sensor or assembly, or any part of the steering system may have occurred

---

### NOTE

- AUTEL accepts no responsibility for any accident or injury arising from servicing the SAS system. When interpreting DTCs retrieved from the vehicle, always follow the manufacturer's recommendation for repair.
  - All software screens shown in this manual are examples, actual test screens may vary for each vehicle being tested. Observe the menu titles and on-screen instructions to make correct option selections.
  - Before starting the procedure, make sure the vehicle has ESC. Look for the button on dash.
- 

## 5.5 Diesel Particle Filter (DPF) Service

---

The Diesel Particle Filter (DPF) function manages DPF regeneration, DPF component replacement teach-in, and DPF teach-in after replacing the engine control unit.

The ECM monitors driving style and selects a suitable time to employ regeneration. Cars driven a lot at idling speed and low load will attempt to regenerate earlier than cars driven with higher load and speed. In order for regeneration to take place, a prolonged high exhaust temperature must be obtained.

In the event of the car being driven in such a way that regeneration is not possible, i.e., frequent short journeys, a diagnostic trouble code will eventually be registered in addition to the DPF light and "Check Engine" indicators. A service regeneration can be requested in the workshop using the diagnostic tool.



Before performing a forced DPF regeneration using the tool, check the following items:

- The fuel light is not on.
- No DPF-relevant faults stored in system.
- The vehicle has the specified engine oil.
- The oil for diesel is not contaminated.

---

**! IMPORTANT**

Before diagnosing a problem vehicle and attempting to perform an emergency regeneration, it is important to obtain a full diagnostic log and read out relevant measured value blocks.

---

**🔍 NOTE**

- The DPF will not regenerate when the engine management light is on or when there is a faulty EGR valve.
  - The ECU must be re-adapted when replacing the DPF and when topping up the fuel additive Eolys.
  - If the vehicle needs to be driven in order to perform a DPF service, a second person is required for the function: One person should drive the vehicle while the other person observes the screen on the tool. Do not attempt to drive and observe the tablet at the same time. This is dangerous and puts your life and the lives of other motorists and pedestrians at risk.
- 

## 5.6 Tire Pressure Monitor System (TPMS) Service

---

This function allows you to quickly look up the tire sensor IDs from the vehicle's ECU and to perform TPMS replacement and reset procedures after tire sensors are replaced.

## 5.7 Immobilizer (IMMO) Service

---

An immobilizer is an anti-theft mechanism that prevents an automobile's engine from starting unless the correct ignition key or other device is present. This device prevents thieves from starting the car by a method known as hot wiring. Most new vehicles have an immobilizer as standard equipment. An important advantage of this system is that it doesn't require the car owner to activate it; it operates automatically. An immobilizer is considered as providing much more effective anti-theft protection than an audible alarm alone; many auto insurance companies offer lower rates for vehicles that are equipped with an immobilizer.

As an anti-theft device, an immobilizer disables one of the systems needed to start a car's engine, usually the fuel supply or the ignition. This is accomplished by radio frequency identification between a transponder in the ignition key and a device called a radio frequency reader in the steering column. When the key is placed in the ignition, the

transponder sends a signal with a unique identification code to the reader, which relays it to a receiver in the vehicle's computer control module. If the code is correct, the computer allows the fuel supply and ignition systems to operate and start the car. If the code is incorrect or absent, the computer disables the system, and the car will be unable to start until the correct key is placed in the ignition.

The IMMO service can disable a lost vehicle key and program the replacement key fob. One or more replacement key fobs can be programmed.

# 6 OEM Authorization

The OEM Authorization application allows to unlock the gateway ECU (CGW) for some vehicles to perform advanced diagnostics tests.

---

## NOTE

Make sure the tablet is connected to the Internet before launching the OEM Authorization application.

---

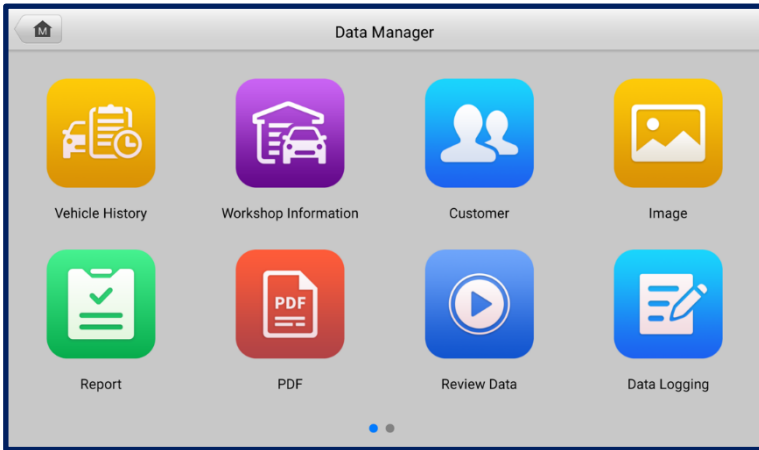
### ➤ To unlock the gateway ECU (CGW)

1. Connect the MaxiDAS Diagnostics Platform to the vehicle using the Main Cable.
2. Tap **Diagnostics** on the MaxiDAS Job Menu.
3. Tap **Renault**. Select the vehicle type and tap **OK** to confirm the vehicle information.
4. On the Information screen, tap **Unlock**.
5. On the Purchase screen, tap **OK**. Select a payment method and complete the order to unlock the gateway. On the Purchase Successful screen, tap **OK**.
6. Exit the Diagnostics application. Tap **OEM Authorization** on the MaxiDAS Job Menu. On the OEM Authorization screen, tap **Renew**. The Unlocking Information screen appears, on which you can view the remaining service sessions.

# 7 Data Manager

The Data Manager application allows you to store, print, and review the saved files, manage the workshop information, customer information records and keep test vehicle history records.

Selecting the Data Manager application opens the file system menu. There are nine main functions available.

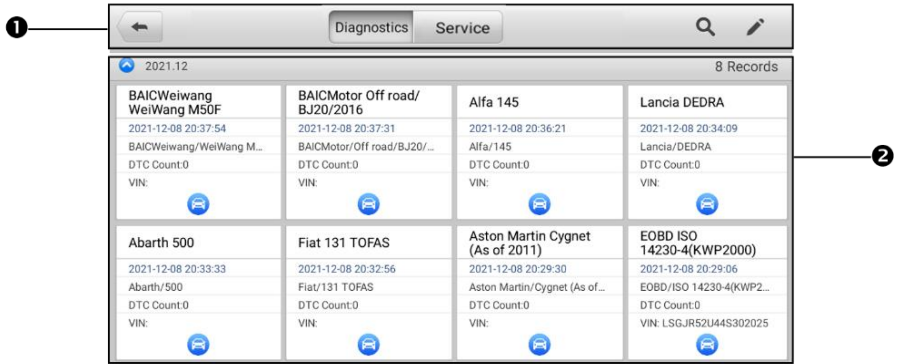


*Figure 7-1 Data Manager Main Screen*

## 7.1 Vehicle History

---

This function stores vehicle test records, including vehicle information and the retrieved DTCs from previous diagnostics sessions. Test information is summarized and displayed in an easy-to-read table listing. The Vehicle History also provides direct access to the previously tested vehicle and allows you to directly restart a diagnostic session without needing to perform auto or manual vehicle selection.



**Figure 7-2 Vehicle History Screen**

1. Top Toolbar Buttons — navigation and application controls.
2. Main Section — displays all vehicle test records.

➤ **To activate a test session for the recorded vehicle**

1. Tap **Data Manager** on the MaxiDAS Job Menu.
2. Select **Vehicle History** to open the screen. Tap **Diagnostics** or **Service** to select diagnostic test records or service test records.
3. Tap the **Diagnostics** icon at the bottom of the thumbnail of a vehicle record. The Diagnostics screen of the vehicle will appear and a new diagnostic session will be activated. See [Diagnostics](#) for detailed instructions on vehicle diagnostic operations.

**Or,**

Select a vehicle thumbnail and choose a record. A Test History record sheet will appear. Review the recorded information for the test vehicle, and tap the **Diagnostics** button on the upper-right corner to continue diagnostics.

**NOTE**

The tablet must establish a communication link with the vehicle to restart test sessions on previously tested vehicles.

## 7.1.1 Historical Test Record

The Test History is a detailed data form for the tested vehicle, which includes general vehicle information, service records, customer information, and the diagnostic trouble codes retrieved from previous test sessions. Technician Notes will also be displayed, if present.

Vehicle information	
Title	2016 Demo JK-Wrangler
Year	2016
Make	Demo
Model	JK-Wrangler
Sub model	
Engine	
License plate	
VIN	1C4BJWFG5GL131334
Odometer Mileage	
Color	
Status	Not started

**Figure 7-3 Test History Sheet**

➤ **To edit the Test History**

1. Tap **Data Manager** on the MaxiDAS Job Menu.
2. Select **Vehicle History**.
3. Select the specific vehicle record thumbnail from the main section. The vehicle test record sheet will appear.
4. Tap **Edit** (a pen icon) to edit the record.
5. Tap each item to enter information or attach data files or images.

---

**NOTE**

The vehicle VIN number, license number, and the customer account information are correlated by default. Vehicle records will automatically be correlated using this vehicle and customer identification.

---

6. Tap **Add to Customer** to correlate the Test History with an existing customer account, or add a new associated account to be correlated with the test vehicle record. See [Customer](#) for more information.
7. Tap **Done** to save the updated record, or tap **Cancel** to exit without saving.

## 7.2 Workshop Information

---

The Workshop Information form allows you to enter, edit, and save detailed workshop information, such as shop name, business address, phone number, and other remarks, which, when printing vehicle diagnostic reports and other associated test file, will display as the header of the printed documents.

The screenshot shows a mobile application interface for entering workshop information. The form is titled "Workshop information" and includes a back arrow in the top left corner. Below the title is a section labeled "Basic information". The form contains several input fields: "Set shop logo" and "Set page footer logo" (each with a photo icon), "Shop name", "Tel", "State", "Fax", "City", "E-mail", "Zip code", and "Address".

**Figure 7-4 Workshop Information Sheet**

➤ **To edit your Workshop Information**

1. Tap the **Data Manager** application on the MaxiDAS Job Menu.
2. Select **Workshop Information**.
3. Tap on each field to enter information.
4. Tap **Done** to save the updated workshop information record, or tap **Cancel** to exit without saving.

## 7.3 Customer

---

The Customer function allows you to create and edit customer accounts. It helps you to save and organize your customer information accounts, which can then be correlated with the associated test vehicle records.

➤ **To create a customer account**

1. Tap the **Data Manager** application on the MaxiDAS Job Menu.
2. Select **Customer**.
3. Tap the **Add a Customer** button. A blank information form will appear. Tap each field to enter the appropriate information.

 **NOTE**

The items that must be filled are indicated as required fields.

---

4. Some customers may have more than one vehicle for service; you can always add new vehicle information to a customer account. Tap **Add New Vehicle Information**, and then fill in the vehicle information.
5. Tap **Complete** to save the account, or tap **Cancel** to exit without saving.

➤ **To edit a customer account**

1. Tap **Data Manager** on the MaxiDAS Job Menu.
2. Select **Customer**.
3. Select a customer account by tapping the corresponding name card. A Customer Information record will appear.
4. Tap **Edit** on the top toolbar to edit the record.
5. Tap on the input field to edit the information, and enter updated information.
6. Tap **Complete** to save the updated information, or tap **Cancel** to exit without saving.

➤ **To delete a customer account**

1. Tap **Data Manager** on the MaxiDAS Job Menu.
2. Select **Customer**.
3. Select a customer account by tapping the corresponding name card. A Customer Information record will appear.
4. Tap **Edit** on the top toolbar to edit the record.
5. Tap the **Delete** button on the top of the screen. A reminder will appear.
6. Tap **OK** to confirm the command, and the account will be deleted, or tap **Cancel** to cancel the request.

## 7.4 Image

---

The Image section is a database containing all captured screenshots.




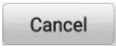





**Figure 7-5 Image Screen**



1. **Toolbar Buttons** — used to edit, print or delete image files. See the following table for detailed information.
2. **Main Section** — displays stored images.

**Table 7-1 Toolbar Buttons in Image**

Button	Name	Description
	<b>Back</b>	Returns to the previous screen.
	<b>Search</b>	Tap to search the database.
	<b>Edit</b>	Tap to display the editing toolbar to delete, print or email images.
	<b>Cancel</b>	Tap to close the editing toolbar or cancel file search.
	<b>Print</b>	Tap to print the selected image.
	<b>Delete</b>	Tap to delete the selected image.
	<b>Email</b>	Tap to send the selected image to an email address.

➤ **To edit/delete images**

1. Select **Data Manager** from the MaxiDAS Job Menu.
2. Select **Image** to access the image database.
3. Tap **Edit** on the top-right corner of the screen. The editing screen will appear.
4. Select the image(s) you want to edit.
5. Tap **Delete** to delete the selected images or delete all images. Tap **Print** to select to print the selected image(s), or tap **Email** to send the selected images to an email address.

## 7.5 PDF Files

---

The PDF section stores and displays all PDF files of saved data. After entering the PDF database, select a PDF file to view.

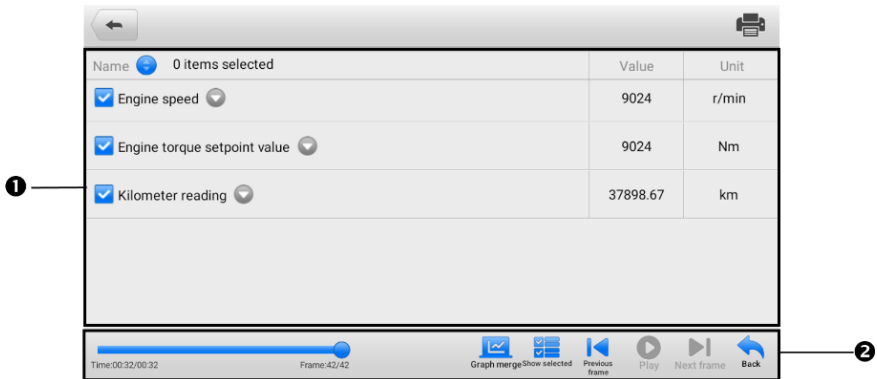
This section uses the standard Adobe Reader application for file viewing and editing. Refer to the Adobe Reader manual for more detailed instructions.

## 7.6 Review Data

---

The Review Data section allows you to play back recorded data frames of live data streams.

On the Review Data main screen, select a record file to play back.



**Figure 7-6 Data Playback Screen**

1. Main Section — displays the recorded data frames.
2. Navigation Toolbar — allows you to manipulate data playback.

Use the Navigation Toolbar buttons to play back the recorded data from frame to frame. Tap **Back** to exit data playback.

## 7.7 Uninstall Apps

---

This section allows you to manage the firmware applications installed on the MaxiDAS diagnostics system. Selecting this section opens a management screen, on which you can check all available vehicle diagnostic applications.

Select the vehicle firmware you want to delete by tapping on the vehicle brand icon, after which the selected item will display a blue mark at the upper-right corner. Tap the **Delete** button on the top bar to delete the firmware from the system database.

## 7.8 Data Logging

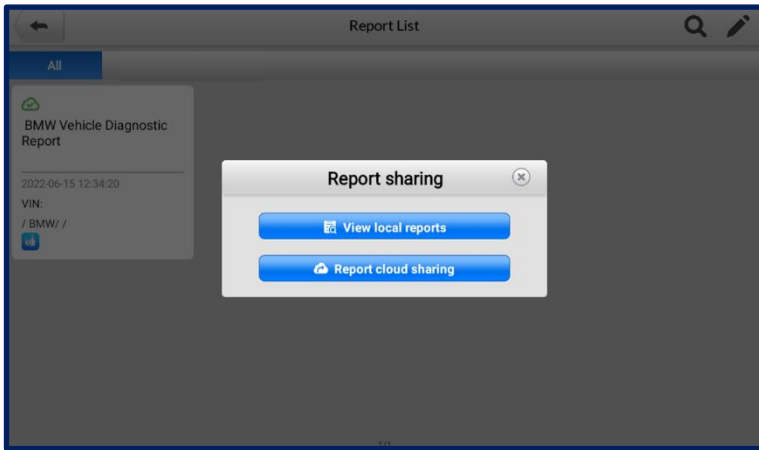
---

The Data Logging section allows you to launch the Support platform to view records of all feedback or no feedback data logs on the diagnostics system. For more details, refer to [Data Logging](#).

## 7.9 Report

---

This section stores and displays all diagnostic reports. The reports stored in this area will be uploaded automatically when you set **ON** to the **Report upload to Cloud** in **Report Settings**. See [Report Settings](#) for further details. Tap one of the reports to view it or save it to the cloud. Select **View local reports** to open it. Tap **Report cloud sharing** to share it.



*Figure 7-7 Report List Screen*

### ➤ To share a report

1. Select **Data Manager** from the MaxiDAS Job Menu.
2. Tap **Report** to access the Report List screen.
3. Tap a report record to display the Record Sharing dialog box.
4. Tap **Report Cloud Sharing**.
5. Scan the QR code or tap **Send Email** or **Send SMS** to share the report.

# 8 Settings

Selecting Settings application opens a setup screen, on which you can adjust default settings and view information about the MaxiDAS system. The following options are available for the MaxiDAS system settings:

- Unit
- Language
- Printing Settings
- Report Settings
- Firmware Upgrade
- Auto Update
- Vehicle List
- System Settings
- About

This section describes the operation procedures for the settings.

## 8.1 Unit

---

This option allows you to adjust the measurement unit for the diagnostics system.

➤ **To adjust the unit setting**

1. Tap **Settings** on the MaxiDAS Job Menu.
2. Tap **Unit** on the left column.
3. Select the appropriate measurement unit, Metric or English. A check mark will display to the right of the selected unit.
4. Tap the **Home** button on the top-left corner to return to the MaxiDAS Job Menu, or select another setting option for system setup.

## 8.2 Language

---

This option allows you to adjust the display language for the MaxiDAS system.

- **To adjust the language setting**
  1. Tap **Settings** on the MaxiDAS Job Menu.
  2. Tap **Language** on the left column.
  3. Select the appropriate language. A check mark will display to the right of the selected language.
  4. Tap the **Home** button on the top-left corner to return to the MaxiDAS Job Menu, or select another setting option for system setup.

## 8.3 Printing Settings

---

### 8.3.1 Printing Settings

This option allows you to print from the tablet to a network printer via a computer.

- **To set up the printer connection**
  1. Tap **Settings** on the MaxiDAS Job Menu.
  2. Tap **Printing Settings** on the left column.
  3. Tap **Print via PC-Link** to enable the printing function, which enables the tablet to send files to the printer through the PC via Wi-Fi or Ethernet connection.
  4. Tap the **Home** button on the top-left corner to return to the MaxiDAS Job Menu, or select another setting option for system setup.

### 8.3.2 Printing Operations

- **To install the MaxiSys Printer driver program**
  1. Download the **Maxi PC Suite** software from [www.autel.com](http://www.autel.com) > **Support** > **Downloads** > **Autel Update Tools**, and install it to your windows-based computer.
  2. Double click the **Setup.exe** item.
  3. Select the installation language and the wizard will load.
  4. Follow the instructions on the screen and click **Next** to continue.
  5. Click **Install** and the printer driver program will be installed onto the computer.
  6. Click **Finish** to complete the installation.

---

#### **NOTE**

The **MaxiSys Printer** runs automatically after the installation.

---

This section below describes how to receive files from the tablet and perform printing through the computer.

---

 **NOTE**

- Make sure the tablet is connected to the same network with your computer, either via Wi-Fi or LAN, before printing.
  - Make sure the computer installed with the Printing Services program is connected to a printer.
- 

➤ **To print from a computer**

1. Run the **PC Link** on the computer.
2. Click **Test Print** to check whether the printer works properly.
3. Tap the **Print** button on the toolbar of the tablet. A test document will be sent to the computer.
  - If the **Auto Print** option in the MaxiSys Printer is selected, the MaxiSys Printer will automatically print the received document.
  - If the **Auto Print** option is not selected, click the **Open PDF File** button to view the files. Select the file(s) to be printed and click **Print**.

## 8.4 Report Settings

---

This option automatically synchronizes the diagnostics information of the vehicle to the vehicle history and forms a diagnostic report for the user to upload. Tap the **ON/OFF** button to enable/disable the Report Upload to Cloud function. The button appears blue if the function is enabled and is gray if the function is disabled.

---

 **NOTE**

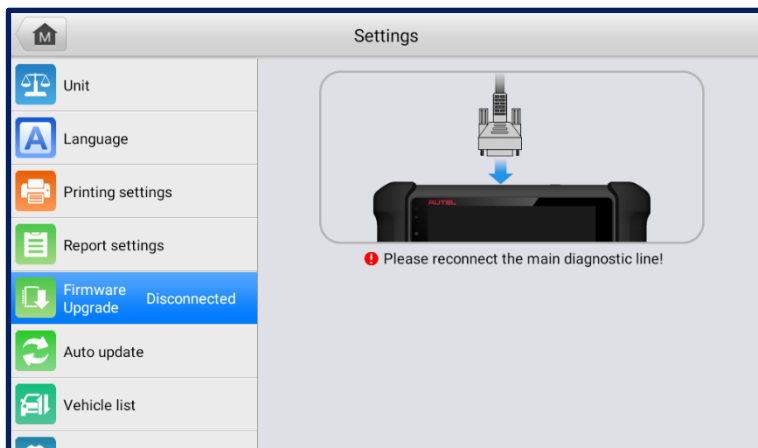
Make sure the tablet is connected to network while uploading reports.

---

## 8.5 Firmware Upgrade

---

This option allows you to upgrade the firmware of the tool. Connect the tablet to the vehicle through DLC and use the mini USB cable for power supply. Follow the on-screen instructions to complete the operation. Internet connection is necessary for this operation.



**Figure 8-1 Firmware Upgrade Screen**

➤ **To upgrade the firmware**


1. Connect the tablet to the vehicle using the main cable.
2. Tap **Settings** on the MaxiDAS Job Menu.
3. Tap **Firmware Upgrade** on the left column.
4. Tap the **Update Now** button to upgrade the latest firmware version.
5. Tap the **Home** button on the top-left corner to return to the MaxiDAS Job Menu, or select another setting option for system setup.

## 8.6 Auto Update

---

This option allows you to set the specific time for updating software automatically. There are three update options: **OS Update**, **MaxiDAS Update**, and **Vehicle Update**.

Tap the **ON/OFF** button to enable/disable the Auto Update function. The button will display blue if Auto Update is enabled and gray if disabled. Set the time of the day for updating. If a specific time is set, the selected software will be automatically updated at the exact time.

 **NOTE**

Internet connection is necessary for auto update, otherwise, it would not work even if you have already switched it on. Make sure the tool is connected to the Internet for the time you have set.

---

## 8.7 Vehicle List

---

This option allows you to sort the vehicles either by alphabetic order or by using frequency.

➤ **To adjust the vehicle list setting**

1. Tap **Settings** on the MaxiDAS Job Menu.
2. Tap **Vehicle List** on the left column.
3. Select the desired sort order. A check mark will appear to the right of the selected item.
4. Tap the **Home** icon on the top-left corner to return to the MaxiDAS Job Menu, or select another setting option for the system setup.

## 8.8 System Settings

---

This function provides you with direct access to the Android system settings interface, where you can adjust various system settings for the Android operating system, regarding wireless and network settings, various device settings such as sound and display, as well as system security settings, and check related information about the Android system. Refer to your Android documentation for additional information.

## 8.9 About

---

The About option provides information of the MaxiDAS diagnostics device including the product name, version, hardware, and serial number.

➤ **To check the MaxiDAS product information in About**

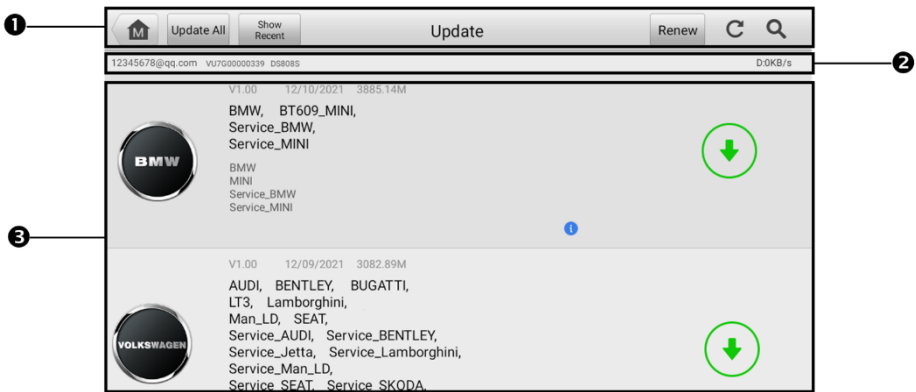
1. Tap **Settings** on the MaxiDAS Job Menu.
2. Tap **About** on the left column. The product information screen will appear on the right.
3. Tap the **Home** button on the top-left corner to return to the MaxiDAS Job Menu, or select another setting option for the system setup.



# 9 Update

The Update application allows you to download the latest released software. The updates can improve the MaxiDAS applications' capabilities, typically by adding new tests, new models, or enhanced applications to the database.

The tablet automatically searches for available updates for all of the MaxiDAS software when it is connected to the Internet. Any updates that are found can be downloaded and installed on the device. This section describes installing an update to the MaxiDAS system.



**Figure 9-1 Update Screen**


## 1. Navigation and Controls

- **Home Button** — returns to the MaxiDAS Job Menu.
- **Update All** — updates all available updates.
- **Show Recent** — shows the recent updates.
- **Renew** — tap to renew your subscription.
- **Refresh** — refreshes the available update list.
- **Search** — searches a specific update item by entering the file name such as a vehicle make.

## 2. Status Bar

- **Left Side** — displays the account information, device model, and serial number.
- **Right Side** — displays the downloading speed.

### 3. Main Section

- Left Column — displays manufacturer buttons.
- Middle Column — displays a brief introduction about the new changes to the software operation or capabilities. Tap the  button to open an information screen to view more details, and tap the dim area around to close the window.
- Right Column — according to the operation status of each software item, the button displays differently.
  - a) Tap **Update** to update the selected item.
  - b) Tap **Pause** to suspend the updating procedure.
  - c) Tap **Continue** to go on updating the suspended update.

#### ➤ To update the diagnostics software

1. Make sure the tablet is connected to a power source with stable access to the Internet.
2. Tap **Update** on the MaxiDAS Job Menu, or tap the update notification message when received, or tap the **Update** icon on Vehicle Menu in Diagnostics application. The Update application screen displays.
3. Check all available updates:
  - If you decide to update all the items of diagnostic software, tap the **Update All** button.
  - If you only want to update one or some of the items, tap the **Update** button on the right of the specific items.
4. Tap the **Pause** button to suspend the updating process. When you tap **Continue** to renew the update, the updating process will resume from the pause point.
5. When the updating process is completed, the software will be installed automatically. The previous version will be replaced.

# 10 Support

This application launches the Support platform which synchronizes Autel's online service with the tablet. In order to synchronize the device to your online account, you need to register the product through the Internet when you use it for the first time. The Support application is connected to Autel's service channel and online communities which provides the quickest way to find solutions to common problems, allowing you to submit complaints and help requests to obtain direct services and supports from the online community.

## 10.1 Product Registration

---

In order to get access to the Support platform and obtain update and other services from Autel, you are required to register the MaxiDAS tablet the first time you use it.

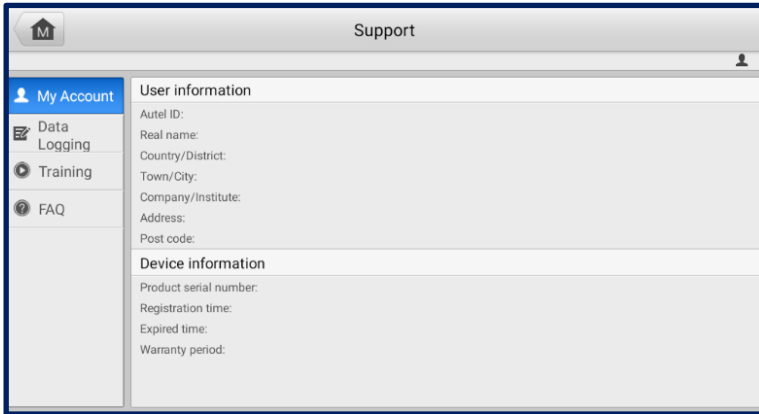
➤ **To register the MaxiDAS tablet**

1. Visit the website [pro.autel.com](http://pro.autel.com).
2. If you have an Autel account, sign in with your account ID and password and skip to step 7.
3. If you are a new member to Autel, click the **Register** button to create your Autel ID.
4. Enter the required personal information in the input fields.
5. Enter your email address, then click **Request**. You will receive an email from Autel with your verification code. Open the email and copy the code into the proper input box.
6. Set a password for your account, and enter the password again to confirm. Read the **Autel User Service Agreement** and **Autel Privacy Policy**, then check the box to accept the terms. After all the information is entered, click **Register**. A Product Registration screen will appear.
7. Your product serial number and password are required to complete your registration. To find your serial number and password on the tool: go to **Settings** > **About**.
8. Enter your tool's serial number and password on the Product Registration screen. Enter the CAPTCHA code and click **Submit** to complete your registration procedure.

## 10.2 Support Screen Layout

---

The main section of the Support screen is comprised of two sections. The left column is the main menu; select one subject from the main menu to display the corresponding function interface on the right.



*Figure 10-1 Support Screen*

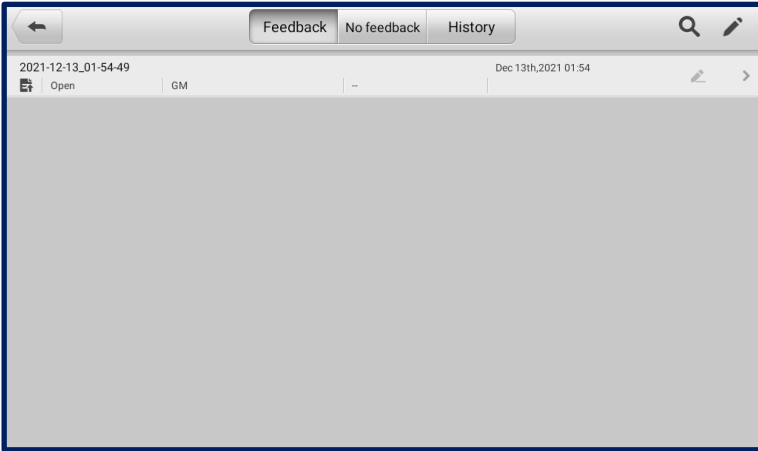
### 10.2.1 My Account

The My Account screen displays the comprehensive information of the user and the product, which is synchronized with the online registered account, including user and device information.

- **User Information** — displays detailed information of your registered online Autel account, such as your Autel ID, Name, Address, and other contact information.
- **Device Information** — displays the registered product information, including the serial number, registration date, expire date, and warranty period.

### 10.2.2 Data Logging

The Data Logging screen keeps records of all **Feedback** (submitted), **No Feedback** (not submitted but saved) or **History** (up to the latest 20 test records) data loggings on the diagnostic system. You can edit and send test records by using the Data Logging function. Autel support personnel will receive and process submitted reports through the Support platform.



**Figure 10-2 Data Logging Screen**

➤ **To make a reply in a Data Logging session**

1. Tap **Feedback** to view a list of submitted data logs.
2. Select a specific item to view the latest update of the processing progress.
3. Tap on the input field at the bottom of the screen and enter your reply, or tap the **Audio** button to record a voice message or the **Camera** button to take a screenshot.
4. Tap **Send** to deliver your message to Autel support.

### 10.2.3 Training

The Training section provides quick links to Autel's online video library. Select a video channel by language to see all available online tutorial videos on topics such as product usage techniques and vehicle diagnostics practice.

### 10.2.4 FAQ

The FAQ section provides comprehensive references for all questions frequently asked and answered about the use of Autel's online member account, and shopping and payment procedures.

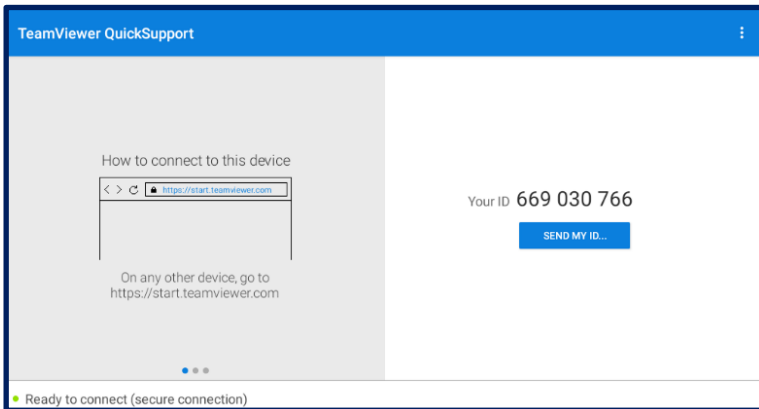
- **Account** — displays questions and answers about the use of Autel's online user account.
- **Shopping & Payment** — displays questions and answers about online product purchase and payment methods or procedures.

# 11 Remote Desktop

The Remote Desktop application launches the TeamViewer QuickSupport program, which is a simple, fast, and secure remote control interface. You can use the application to receive remote support from Autel's support center, colleagues or friends, by allowing them to control your MaxiDAS tablet on their PC via the TeamViewer software.

If you think of a TeamViewer connection as a phone call, the TeamViewer ID would be the phone number under which all TeamViewer Clients can be reached separately. Computers and mobile devices that run TeamViewer are identified by a unique global ID. The first time the Remote Desktop application is launched, this ID is generated automatically based on the hardware characteristics and will not change later on.

Make sure the tablet is connected to the Internet before launching the Remote Desktop application, so that the tablet is able to receive remote support from a third party.



**Figure 11-1 Remote Desktop Screen**

- **To receive remote support from a partner**
  1. Power on the tablet.
  2. Tap the **Remote Desktop** application on the MaxiDAS Job Menu. The TeamViewer QuickSupport screen appears and the device ID is generated and shown.
  3. Your partner must install the Remote Control software to their PC by downloading the TeamViewer program (full version) online (see <http://www.teamviewer.com>), and then launch the software.

4. Provide your ID to the partner and wait for them to send you a remote control request.
5. A prompt will appear asking you to allow remote control on your device.
6. Tap **Allow** to accept or **Deny** to reject.

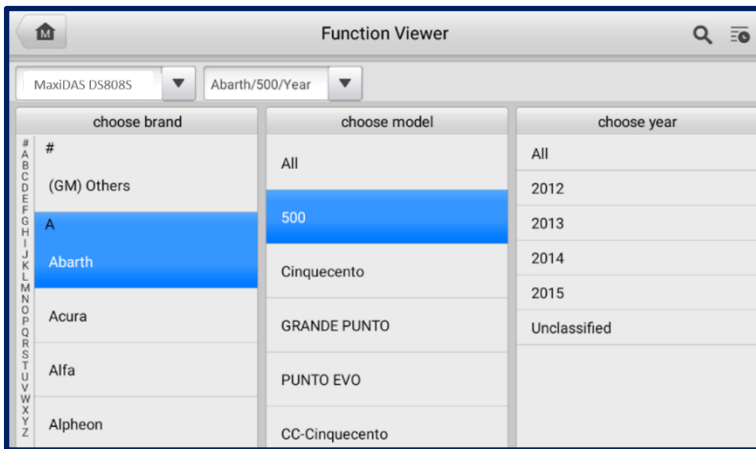
Refer to the associated TeamViewer documents for additional information.

# 12 MaxiViewer

The MaxiViewer application allows you to search the functions supported by our tools and the version information. There are two ways of searching, either by searching the product and the vehicle or searching the functions.

## ➤ To Search by the vehicle

1. Tap the **MaxiViewer** application on the MaxiDAS Job Menu. The Function Viewer screen will appear.
2. Select a product from the **Product type** drop-down list.
3. Select the vehicle brand, model, and year. The screen will display all vehicles that support this function, along with information such as the vehicles' year, system, capacity, type, function, sub-function, and version.



*Figure 12-1 Function Viewer Screen 1*

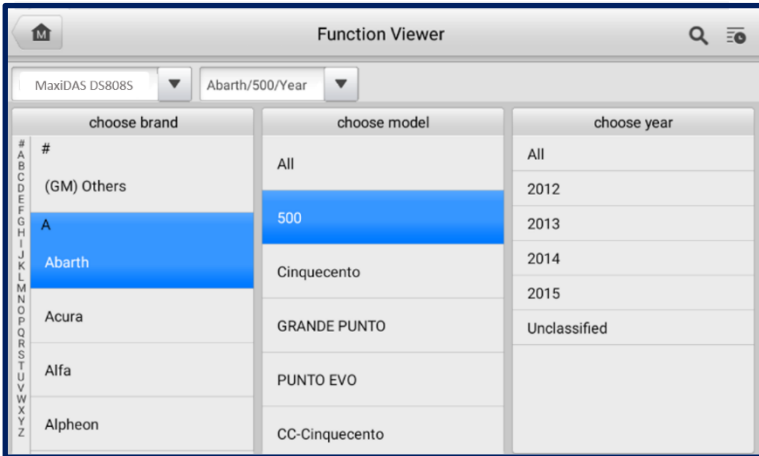
## ➤ To search by functions

1. Tap **MaxiViewer** on the MaxiDAS Job Menu. The Function Viewer screen will appear.
2. Select a product from the **Product type** drop-down list.
3. Tap the **Search** icon. Enter the desired function in the search box. All functions supported by the selected product for the desired vehicle are displayed with vehicle's system, type, function, sub function, and version.



**NOTE**

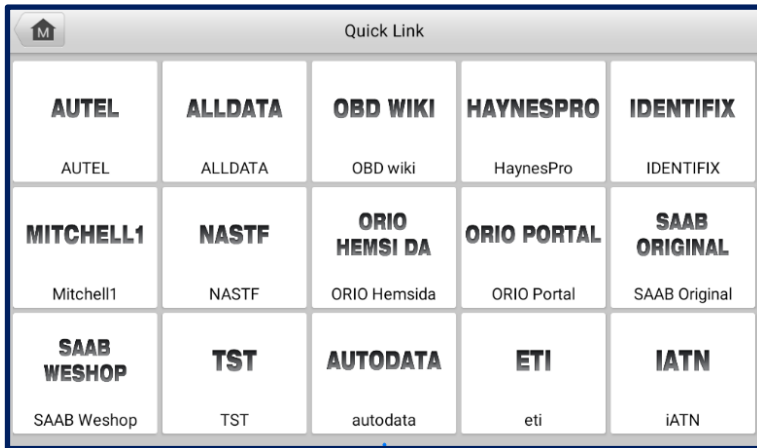
Fuzzy search is supported.



**Figure 12-2 Function Viewer Screen 2**

# 13 Quick Link

The Quick Link application provides you with convenient access to Autel’s official website and many other well-known sites in automotive service industry to provide technical help, knowledge bases, forums, and training and expertise consultations.



**Figure 13-1 Quick Link Screen**

➤ **To access a quick link**

1. Tap **Quick Link** on the MaxiDAS Job Menu. The Quick Link screen will appear.
2. Select a website thumbnail from the main section. The Chrome browser will be launched and the selected website will be opened.
3. Now you can start exploring the website.

# 14 MaxiVideo

The MaxiVideo application configures the MaxiDAS Diagnostics Device to operate as a digital video scope by simply connecting the tablet to a MaxiVideo Camera. This function allows you to examine difficult-to-reach areas normally hidden from sight, with the ability to record digital still images and videos, which offers you an economical solution to inspect machinery, facilities, and infrastructure in a safe and quick way.

## WARNINGS:

Follow these instructions to reduce the risk of injury from electric shock, entanglement, and other causes and prevent tool damage.

- Do not place the imager head into anything or anywhere that may contain a live electric charge or moving parts, which increases the risk of electric shock or entanglement injuries.
- Do not use the imager head cable to modify surroundings and clear pathways or clogged areas.
- When inspection is completed, carefully withdraw the imager head from the inspected area.
- The imager head cable is waterproof to a depth of 3 m (10'). Greater depths may cause leakage into the imager head cable, electric shock or tool damage.
- The working temperature of the imager head is between 32 °F (0 °C) and 113 °F (45 °C).

## Check-Ups:

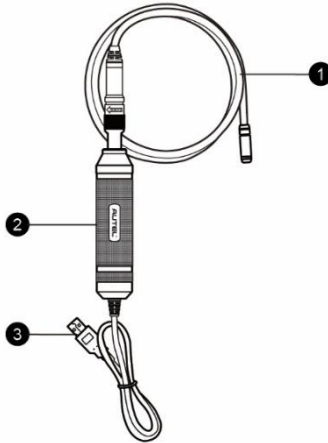
- FOR AUTOMOBILES: Ensure the automobile is not running during inspection to avoid damage from hot metal and liquid under the hood. Do not get oil or gasoline on the imager head.
- FOR PIPES: If you suspect that a metal pipe may carry electric charge, have a qualified electrician to check the pipe before inspecting it.
- FOR WALLS: Before you inspect the inside of a wall with the imager head, turn off the circuit breaker to the house.
- WORKING AREA: Ensure the working area has sufficient light.

## 14.1 Additional Accessories

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The MaxiVideo Camera and its fittings are the additional accessories. Both sizes (8.5 mm and 5.5 mm) of the imager head are optional and available for purchase along with the standard MaxiDAS tool kit.

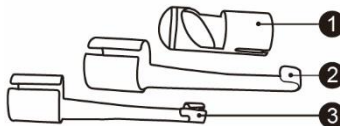
### 14.1.1 MaxiVideo Camera



**Figure 14-1 MaxiVideo Camera**

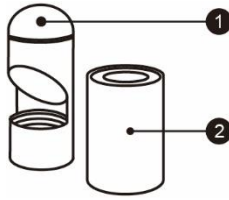
1. Removable Imager Head Cable — connects to the tablet when using MaxiVideo for image and video viewing.
2. Handgrip — ergonomically designed handle for comfortable grips and agile operation.
3. USB Cable — connects the MaxiVideo Camera to the MaxiDAS tablet.

### 14.1.2 Imager Head Accessories



**Figure 14-2 8.5 mm Imager Head Accessories**

1. Mirror — helps to look around corners and see the unreachable areas.
2. Hook — unclogs obstacles and picks up wires in the pipes or confined areas.
3. Magnet — picks up small metal objects such as dropped rings or screws.



**Figure 14-3 5.5 mm Imager Head Accessories**

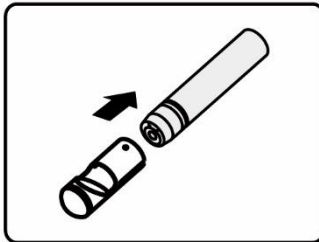
1. Mirror — helps to look around corners and see the unreachable areas.
2. Magnet — picks up small metal objects, such as dropped rings or screws.

### **14.1.3 Accessory Assembly**

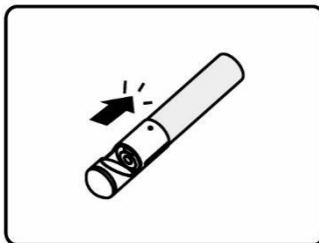
#### **For 8.5 mm Imager Head**

The three accessories, the Magnet, Hook, and Mirror, can be attached to the Imager Head in the same manner as described below:

1. Hold the accessory and the imager head.



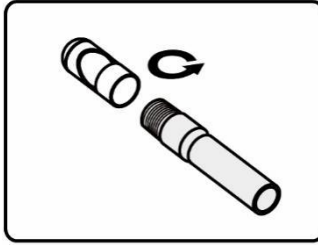
2. Slip the end of the accessory over the imager head and then fix the accessory.



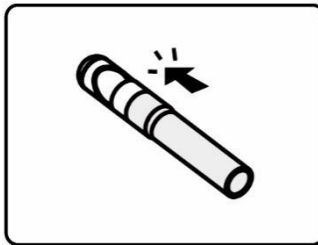
#### **For 5.5 mm Imager Head**

The two accessories, including the Magnet and Mirror, can be attached to the Imager Head in the same manner described below:

1. Hold the accessory and the imager head.



2. Screw the thread part of the accessory over the imager head to fix the accessory.



#### 14.1.4 Technical Specifications

Item	Description
<b>Optimal Viewing Distance</b>	<ul style="list-style-type: none"> <li>● 0.79 to 2.36" (2 to 6 cm) with 8.5 mm-diameter imager head</li> <li>● 0.79 to 2.36" (2 to 6 cm) with 5.5 mm-diameter imager head</li> </ul>
<b>Resolution</b>	<ul style="list-style-type: none"> <li>● JPG images (640 x 480)</li> <li>● AVI videos (320 x 240)</li> </ul>
<b>Operating Temperature</b>	<ul style="list-style-type: none"> <li>● Main Unit: 0 to 55 °C (32 to 131 °F, ambient)</li> <li>● Cable: -10 to 70 °C (14 to 158 °F)</li> </ul>
<b>Storage Temperature</b>	-20 to 75 °C (-4 to 167 °F, ambient)
<b>Waterproof</b>	Imager head and cable to 1 m
<b>Weight</b>	<ul style="list-style-type: none"> <li>● 0.3 kg for 8.5 mm diameter imager head</li> <li>● 0.2 kg for 5.5 mm diameter imager head</li> </ul>

## 14.2 Operations

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Before opening the MaxiVideo application, the imager head cable must be connected to the tablet through the USB port. Install the correct imager head accessories according to the specific needs.

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### NOTE

When in operation, the imager head cable can be manipulated so as to better access confined or awkward spaces.

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#### ➤ To take images using the MaxiVideo application

1. Connect the imager head cable to the USB port on the top of the tablet.
2. If not already done, power up the tablet.
3. Tap the **MaxiVideo** application on the MaxiDAS Job Menu. The MaxiVideo interface displays, showing a camera operating screen. The imager head camera is used by default.
4. Select the **Camera** icon at the lower-right corner to take images.
5. Focus the image to be captured in the view finder by adjusting and properly locating the imager head cable.
6. Tap the blue ring on the screen. The view finder now displays the captured picture and auto-saves the taken photo.
7. Tap the thumbnail image on the top-right corner of the screen to view the stored image, and slide the screen left and right to view the images.
8. Tap on the selected image and the edit toolbar instantly displays.
9. Tap the corresponding button to share or delete an image.
10. Tap the **Back** or **Home** button on the Navigation bar at the bottom of the screen to exit the MaxiVideo application.

#### ➤ To record a video using the MaxiVideo application

1. Connect the imager head cable to the USB port on the top side of the tablet.
2. If not already done, power up the tablet.
3. Tap the **MaxiVideo** application on the MaxiDAS Job Menu. The MaxiVideo interface appears, showing a camera operating screen. The Imager head camera is used by default.
4. Select the **Video** icon at the lower-right corner to record a video.
5. Properly locate the imager head cable to focus the inspection scene for recording.
6. Tap the red ring on the operating screen to start recording.
7. Tap the red circle again to stop recording. The recorded video is automatically saved.

8. Tap the **gallery** icon at the bottom-right corner to review all the recorded videos.
9. Select the corresponding button on the upper-right corner to search or delete a video.



# 15 Maintenance and Service

To ensure that the MaxiDAS diagnostic tablet performs at its optimum level, we advise that the product maintenance instructions covered in this section is read and followed.

## 15.1 Maintenance Instructions

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The following shows how to maintain your devices, together with precautions to take.

- Use a soft cloth and alcohol or a mild window cleaner to clean the touchscreen of the tablet.
- Do not use any abrasive cleansers, detergent, or automotive chemicals to the tablet.
- Maintain the devices in dry conditions and keep them within normal operating temperatures.
- Dry your hands before using the tablet. The touchscreen of the tablet may not work if the touchscreen is moist or if you tap the touchscreen with wet hands.
- Do not store the devices in humid, dusty or dirty areas.
- Check the housing, wiring, and connectors for dirt and damage before and after each use.
- After using the device, wipe the device housing, wiring, and connectors clean with a damp cloth.
- Do not attempt to disassemble your tablet.
- Do not drop or cause severe impact to the devices.
- Only use authorized battery chargers and accessories. Any malfunction or damage caused by the use of unauthorized battery charger and accessories will void the limited product warranty.
- Ensure that the battery charger does not come in contact with conductive objects.
- Do not use the tablet beside microwave ovens, cordless phones and some medical or scientific instruments to prevent signal interference.

## 15.2 Troubleshooting Checklist

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### A. When the tablet does not work properly:

- Make sure the tablet has been registered online.
- Make sure the system software and diagnostic application software are properly updated.
- Make sure the tablet is connected to the Internet.
- Check all cables, connections, and indicators to see if the signal is being received.

### B. When battery life is shorter than usual:

This may happen when you are in an area with low signal strength. Turn off your device if it is not in use.

### C. When you cannot turn on the tablet:

Make sure the tablet is connected to a power source or the battery is charged.

### D. When you are unable to charge the tablet:

- Your charger may be out of order. Contact your nearest dealer.
- You may be attempting to use the device in an overly hot/cold temperature. Try changing the charging environment.
- Your device may have not been connected to the charger properly. Check the connector.

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### NOTE

If your problems persist, please contact Autel's technical support personnel or your local selling agent.

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## 15.3 About Battery Usage

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Your tablet is powered by a built-in Lithium-ion Polymer battery. This means that, unlike other forms of battery technology, you can recharge your battery while some charge remains without reducing your tablet's autonomy due to the "battery memory effect" inherent in those technologies.

### DANGER

The built-in Lithium-ion Polymer battery is factory replaceable only; incorrect replacement or tampering with the battery pack may cause an explosion.

Do not use a damaged battery charger.

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- Do not disassemble or open crush, bend or deform, puncture or shred.
- Do not modify or remanufacture, attempt to insert foreign objects into the battery, expose to fire, explosion or other hazard.

- Make sure to use the charger and USB cables only that come together in the package. If you use the other charger and USB cables, you might incur malfunction or failure of the device.
- Only use the charging device that has been qualified with device per the standard. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard.
- Avoid dropping the tablet. If the tablet is dropped, especially on a hard surface, and the user suspects damage, take it to a service center for inspection.
- The closer you are to your network's base station, the longer your tablet usage time because less battery power is consumed for the connection.
- The battery recharging time varies depending on the remaining battery capacity.
- Battery life inevitably shortens over time.
- Since over charging may shorten battery life, remove the tablet from its charger once it is fully charged. Unplug the charger, once charging is complete.
- Leaving the tablet in hot or cold places, especially inside a car in summer or winter, may reduce the capacity and life of the battery. Always keep the battery within normal temperatures.

## 15.4 Service Procedures

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This section introduces information for technical support, repair service, and application for replacement or optional parts.

### 15.4.1 Technical Support

If you have any question or problem on the operation of the product, please contact us (see the following contact info) or your local distributor.

#### **Autel China Headquarters**

- **Phone:** +86 (0755) 8614-7779 (Monday-Friday, 9AM-6PM Beijing Time)
- **Email:** [support@autel.com](mailto:support@autel.com)
- **Address:** Floor 2, Caihong Keji Building, 36 Hi-tech North Six Road, Songpingshan Community, Xili Sub-district, Nanshan District, Shenzhen City, China
- **Web:** [www.autel.com](http://www.autel.com)

#### **Autel North America**

- **Phone:** 1-855-288-3587 (Monday-Friday, 9AM-6PM Eastern Time)
- **Email:** [ussupport@autel.com](mailto:ussupport@autel.com)

- **Address:** 36 Harbor Park Drive, Port Washington, New York, USA 11050
- **Web:** [www.autel.com/us](http://www.autel.com/us)

### **Autel Europe**

- **Phone:** +49(0)89 540299608 (Monday-Friday, 9AM-6PM Berlin Time)
- **Email:** [support.eu@autel.com](mailto:support.eu@autel.com)
- **Address:** Landsberger Str. 408, 81241 München, Germany
- **Web:** [www.autel.eu](http://www.autel.eu)

### **Autel APAC**

#### **Japan:**

- **Phone:** +81-045-548-6282
- **Email:** [support.jp@autel.com](mailto:support.jp@autel.com)
- **Address:** 6th Floor, Ari-nadoribiru 3-7-7, Shinyokohama, Kohoku-ku, Yokohama-shi, Kanagawa-ken, 222-0033 Japan
- **Web:** [www.autel.com/jp](http://www.autel.com/jp)

#### **Australia:**

- **Email:** [ausupport@autel.com](mailto:ausupport@autel.com)
- **Address:** Unit 5, 25 Veronica Street, Capalaba

### **Autel IMEA**

- **Phone:** +971 585 002709 (in UAE)
- **Email:** [imea-support@autel.com](mailto:imea-support@autel.com)
- **Address:** 906-17, Preatoni Tower (Cluster L), Jumeirah Lakes Tower, DMCC, Dubai, UAE
- **Web:** [www.autel.com](http://www.autel.com)

### **Autel Latin America**

#### **Mexico:**

- **Phone:** +52 33 1001 7880 (Spanish in Mexico)
- **Email:** [latsupport@autel.com](mailto:latsupport@autel.com)
- **Address:** Avenida Americas 1905, 6B, Colonia Aldrete, Guadalajara, Jalisco, Mexico

#### **Brazil:**

- **Email:** [brsupport@autel.com](mailto:brsupport@autel.com)

- **Address:** Avenida José de Souza Campos n° 900, sala 32 Nova Campinas Campinas – SP, Brazil
- **Web:** [www.autel.com/br](http://www.autel.com/br)

## 15.4.2 Repair Service

If it becomes necessary to return your device for repair, please download the repair service form from [www.autel.com](http://www.autel.com), and fill it in. The following information must be included:

- Contact name
- Return address
- Telephone number
- Product name
- Complete description of the problem
- Proof-of-purchase for warranty repairs
- Preferred method of payment for non-warranty repairs



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### NOTE

For non-warranty repairs, payment can be made with Visa, Master Card, or with approved credit terms.

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Send the device to your local agent, or to the below address:

Floor 2, Caihong Keji Building, 36 Hi-tech North Six Road, Songpingshan Community, Xili Sub-district, Nanshan District, Shenzhen City, China

## 15.4.3 Other Services

You can purchase the optional accessories directly from Autel's authorized tool suppliers, and/or your local distributor or agent.

Your purchase order should include the following information:

- Contact information
- Product or part name
- Item description
- Purchase quantity

# 16 Compliance Information

## FCC Compliance

This device complies with Part 15 of the FCC rules and Industry Canada's license-exempt RSSs. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Cet appareil est conforme aux CNR exempts de licence d'Industrie Canada. Son fonctionnement est soumis aux deux conditions suivantes:

1. Ce dispositif ne peut causer des interférences; et
2. Ce dispositif doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

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### **WARNING**

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

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### **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.

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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.

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

## **SAR**

The radiated output power of this device is below the FCC radio frequency exposure limits. Nevertheless, the device should be used in such a manner that the potential for human contact is minimized during normal operation.

The exposure standard for wireless devices 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 using standard operating positions accepted by the FCC with the device 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 device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. To avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to antenna should be minimized.

## **RF WARNING STATEMENT**

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

The term "IC" before the radio certification number only signifies that IC technical specifications were met.

## **RoHS COMPLIANCE**

This device is declared to be in compliance with the European RoHS Directive 2011/65/EU.

## **CE COMPLIANCE**

This product is declared to conform to the essential requirements of the following Directives and carries the CE mark accordingly:

RED Directive 2014/53/EU

# 17 Warranty

## 17.1 Limited One Year Warranty

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Autel Intelligent Technology Corp., Ltd. (the Company) warrants to the original retail purchaser of this MaxiDAS 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 one (1) year period from the date of purchase, 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).

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### NOTE

If the warranty period is inconsistent with local laws and regulations, please comply with the relevant local laws and regulations.

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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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