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Using This Manual

This manual contains device usage instructions.

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

The following conventions are used.

Bold Text

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

Notes and Important Messages



Notes

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

 Warning

Warning indicates a hazardous situation which, if not avoided, could result in minor or moderate injury to the operator or to bystanders.

 Danger

Danger indicates an imminently or potentially hazardous situation which, if not avoided, could result in death or serious injury to the operator or to bystanders.

Illustrations

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

Important Safety Precautions

To avoid personal injury, property damage, or accidental damage to the product, read all of the information in this section before using the tool.

 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 various poisonous compounds (hydrocarbon, carbon monoxide, nitrogen oxides, etc.) that slow reaction time and result in death or serious personal injury.
- Please use the included battery and power adaptor. There is a risk of explosion for using batteries that are not authorized or approved by the manufacturer.
- DO NOT attempt to operate the tool while driving the vehicle. Have a second person operate the tool. Any distraction may cause an accident.

 WARNING

- Always perform automotive testing in a safe environment.
- Do not connect or disconnect any test equipment while the ignition is on or the engine is running.

- Before starting the engine, ensure that the gear lever is positioned in Neutral (for manual transmission) or in Park (for automatic transmission) to avoid injury.
- NEVER smoke or allow a spark or flame in the vicinity of the battery or engine. Do not operate the tool in explosive atmospheres, such as in the presence of flammable liquids, gases, or heavy dust.
- Keep a fire extinguisher suitable for gasoline/chemical/electrical fires nearby.
- Wear an ANSI-approved eye shield when testing or repairing vehicles.
- Chock drive wheels and never leave the vehicle unattended while testing.
- Use extreme caution when working around the ignition coil, distributor cap, ignition wires and spark plugs. These components create hazardous voltage when the engine is running.
- To avoid damaging the tool or generating false data, make sure the vehicle battery is fully charged and the connection to the vehicle Data Link Connector (DLC) is clear and secure.
- Retrieving and using Diagnostic Trouble Codes (DTCs) for troubleshooting vehicle operation is only one part of an overall diagnostic strategy. Never replace a part based only on the DTC definition. Each DTC has a set of testing procedures, instructions and flow charts that must be followed to confirm the location of the problem. This information can be found in the vehicle's service manual.
- Automotive batteries contain sulfuric acid that is harmful to skin. In operation, direct contact with the automotive batteries should be avoided. Keep the ignition sources away from the battery at all times.
- Keep the tool dry, clean, and free of oil, water, or grease. Use a mild detergent on a clean cloth to clear the enclosure of the equipment when necessary.
- Keep clothing, hair, hands, tools, test equipment, and other objects away from all moving or hot engine parts.
- Store the tool and accessories in a locked area and out of reach of children.
- Do not use the tool while standing in water.
- Do not expose the tool or power adapter to rain or wet conditions. Water entering the tool or power adaptor increases the risk of electric shock.
- Do not keep using the scan tool when it is being charged.



- This tool is a sealed unit. There are no end-user serviceable parts inside. All internal repairs must be done by an authorized repair facility or qualified technician. If there is any inquiry, please contact the dealer.
- Keep the tool far away from magnetic devices because its radiations can damage the screen and erase the data stored on the tool.
- Do not attempt to replace the internal rechargeable lithium battery. Contact the dealer for factory replacement.
- Do not disconnect battery or any wiring cables in the vehicle when the ignition switch is on, as this could result in damage to the sensors or the Electronic Control Unit (ECU).
- Do not place any magnetic objects near the ECU. Disconnect the power supply to the ECU before performing any welding operations on the vehicle.
- Use extreme caution when performing any operations near the ECU or sensors. Ground yourself when you disassemble Programmable Read Only Memory (PROM). Otherwise, ECU and sensors can be damaged by static electricity.
- When reconnecting the ECU harness connector, be sure it is attached firmly. Otherwise, electronic elements, such as Integrated Circuits (ICs) inside the ECU, can be damaged.

Compliance Information

FCC ID: 2BCBND0C10

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

This device complies with Innovation, Science and Economic Development Canada's licence-exempt RSSs and part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference; and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Cet appareil est conforme aux RSSs exempts de licence d'Innovation, Sciences et Développement économique Canada et à la partie 15 des règles de la FCC. Le fonctionnement est soumis aux deux conditions suivantes:

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

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

The device for operation in the band 5150-5250MHz is only for indoor use.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

For tablet:

Specific Absorption Rate (SAR) information

This product meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

RF Exposure Information and Statement

The SAR limit is 1.6 W/kg averaged over one gram of tissue. This device has also been tested against this SAR limit. This device was tested for typical body-worn operations 0mm from the body. To maintain compliance with RF exposure requirements, use accessories that maintain a 0mm separation distance between the user's body.



Body-worn Operation

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 0mm must be maintained between the user's body, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.

Cet appareil a été testé pour des opérations typiques portées sur le corps, pour satisfaire aux exigences relatives à l'exposition RF, une distance minimale de séparation de 0mm doit être maintenue entre le corps de l'utilisateur, y compris l'antenne. Les clips de ceinture, les étuis et les accessoires similaires de tiers utilisés par cet appareil ne doivent pas contenir de composants métalliques. Les accessoires portés sur le corps qui ne répondent pas à ces exigences ne peuvent pas être conformes aux exigences relatives à l'exposition RF et doivent être évités. Utilisez uniquement l'antenne fournie ou une antenne approuvée.

This device is in compliance with the essential requirements and other relevant provisions of Radio Equipment Directive 2014/53/EU. The RF frequencies can be used in Europe without restriction.

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1 Overview

1.1 Packing List

The following packing list is for reference purpose only. For different destinations, the accessories may vary. For details, please consult the seller or check the packing list supplied with this tool together.

1. Scan tool x 1
2. Vehicle Communication Interface (VCI) device x 1
3. Diagnostic cable x 1
4. Power adaptor x 1
5. Password envelope x 1
6. Type-A to Type-C data cable x 1
7. Quick start guide x 1

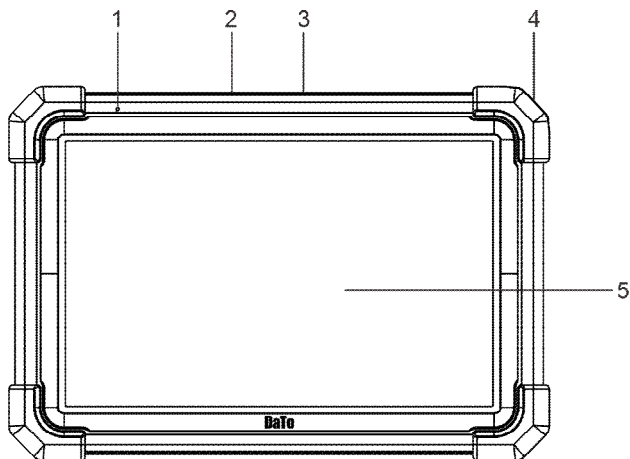
1.2 Components & Controls

There are two main components to the diagnostic system:

- Scan tool (Model: DAS825 PRO MAX)
- VCI device (Model: DOC10)

1.2.1 Scan Tool

The scan tool acts as the central processing system, which is used to receive and analyze the live vehicle data from the VCI device and then output the test result.



1. Microphone

2. Type-A USB Port

- Connect to the VCI device to perform vehicle diagnosis via the data cable.
- Connect to compatible add-on modules (such as Videoscope) or USB storage devices.

3. Type-C USB Port

- Connect to AC outlet for charging.
- Connect to PC for data exchange.

4. POWER Button

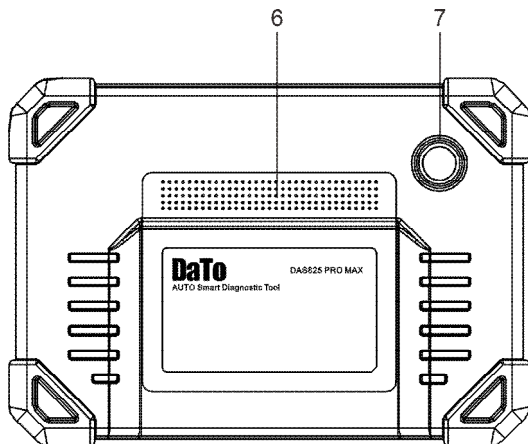
Turn the scan tool on/off.



Note: Press and hold it for 8 seconds to perform forced shutdown.

5. LCD Screen

Indicate the test results.



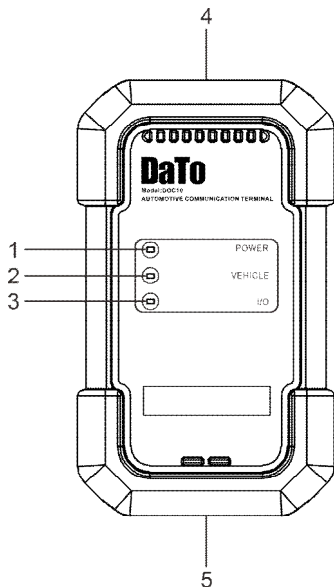
6. Audio Speakers

7. Rear Camera

1.2.2 VCI Device

The VCI works as a vehicle communication interface device, which is used to connect to the vehicle's DLC via the diagnostic cable to read the vehicle data and then send it to the scan tool.

 Note: Remember to remove the VCI device from the vehicle's DLC after use.



1. POWER Indicator

Illuminate solid red while the VCI is powered up.

2. VEHICLE Indicator

Illuminate green and flashes when the VCI is communicating with the vehicle.

3. I/O Indicator

- Illuminate blue when the VCI is communicating with the scan tool wirelessly.
- Illuminate red when the VCI is connected to the scan tool via the data cable.

4. DB-15 Diagnostic Connector

Connect to vehicle's OBD diagnostic socket via the diagnostic cable.

5. USB Port

1.3 Technical Parameters

Scan Tool

Operating system: Android™

RAM: 4GB

Storage: 64GB

Display: 8-inch capacitive touch screen with a resolution of 1280 x 800 pixels

Connectivity:

- Wi-Fi: 802.11a/b/g/n/ac
- USB ports: Type-A x 1 + Type-C x 1

Camera: Rear-facing 8.0MP camera

Working temperature: 0°C ~ 50°C

 Note: The working temperature refers to the temperature at which the scan tool works normally in non-charging status.

Storage temperature: -20°C ~ 70°C

VCI Device

Working voltage: 9 ~18V

Power consumption: ≤2.0W

Dimensions: 118.3mm*69.5mm*32mm

Working temperature: 0°C ~ 50°C

Relative humidity: 20% ~ 90%



2 Getting Started

2.1 Charging & Turning On

1. Use the included power adaptor to charge the scan tool.
2. After charging is complete, press the POWER button to turn the scan tool on. The system starts initializing and then enters the home screen.



Note: If the battery remains unused for a long period of time or the battery is completely discharged, it is normal that the tool will not power on while being charged. Charge the tool for 5 minutes and then turn it on.



Warning: Only use the included power adaptor to charge your tool. DATO assumes no responsibility for damage or loss resulting from using other similar adaptors other than the specified one.

To turn off the tool, press and hold the POWER button until an option menu appears. Tap **Power Off**.

2.2 Screen Layout

There are five on-screen buttons available on the bottom of the screen.



Home: Navigates to the home screen.



Recent App: Views the currently running or recently used applications.



VCI Connection: Shows whether the VCI device is properly connected or not.



Screenshot: Captures the current screen.



Back: Returns to the previous screen.

2.3 Language Setting

The tool supports multiple system languages. To change the language of the tool, please do the following:

1. On the home screen, tap **Settings -> System -> Languages & input ->**

Languages.

2. Tap **Add a language**, and then choose the desired language from the list.
3. Tap and hold the desired language and drag it to the top of the screen and then release it, the system will change into the target language.

2.4 Network Setup

The built-in Wi-Fi module in the tool makes network connection easier. Once you're online, you can register your tool, surf the Internet, send email, launch the remote diagnosis, and check for software updates, etc.

1. On the home screen, tap **Settings -> Network & Internet -> Wi-Fi**.
2. Slide the Wi-Fi switch to ON, and the scan tool starts searching for available wireless networks.
3. Select a wireless network,
 - If the selected network is open, the scan tool will connect to the network automatically.
 - If the selected network is encrypted, the right security key (network password) is required.
4. When **Connected** appears, it indicates the Wi-Fi connection is complete.



Note: Power consumption of the tool increases when the Wi-Fi is always on. To save power, turn off the Wi-Fi if network is not required.

2.5 Registration & Update

For new users, register first before you get started.

Follow the steps below to proceed registration and update:

Tap the application icon on the home screen to open it, and then tap **Login** on the upper right corner of the screen. The following popup will appear.



The screenshot shows the 'Password login' screen. At the top, there are two tabs: 'Password login' (selected) and 'Email login'. Below the tabs is a form with two input fields: 'Username' (with a user icon) and 'Password' (with a lock icon). Below these fields is a large orange button labeled 'Login'. At the bottom, there is a line of text: 'Login means you agree' followed by links for 'Service Agreement' and 'Privacy Policy'. Below this, there are three links: 'New Registration', 'Set/Reset Password', and 'Technician login'.

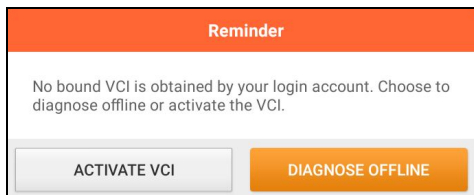
There are two methods available to login: *Password login* and *Email login*.

1. If you have not registered any authorized account of DATO scan tool, please use *Email login*. Tap **New Registration**, the following screen will appear.

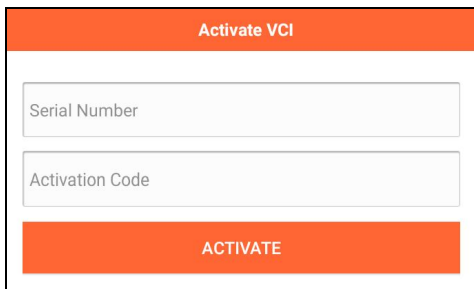
The screenshot shows the 'Email login' screen. At the top, there are two tabs: 'Password login' and 'Email login' (selected). Below the tabs is a form with an 'Email' input field (with a dropdown arrow) and a 'CAPTCHA' input field. To the right of the CAPTCHA input field is a large orange button labeled 'CAPTCHA'. Below these fields, there is a line of text: 'Automatic registration and login after new verification, clicking LOGIN confirms that you have agreed the'. Below this, there are links for 'Service Agreement' and 'Privacy Policy'. At the bottom, there is a large grey button labeled 'Login-Register'.

Input the Email address, tap **CAPTCHA** and enter the received verification code. Tap **Login-Register** to continue.

- a). If no scan tools are bound to this Email before, follow the steps below to proceed:
- 1). After the following popup appears, tap **ACTIVATE VCI** to go to the next step.



- 2). Input the 12-digit Product Serial Number and 8-digit Activation Code (can be obtained from the password envelope), and then tap **ACTIVATE**.



- 3). After the VCI device is successfully activated, the system automatically enters the update center. Tap **Update** to update all available software.

 **Note:** All software is updated periodically. It is recommended to check regularly for updates and install the latest software for the best service, functions and experience. It is strongly recommended to set a new password by tapping the **Set/Reset Password** on the "Password login" screen immediately after the registration is completed. So you can also use the email and password to log in the diagnostic system in the future.

- b). If there are scan tools bound to this Email, a list of bound VCI devices will popup. In this case,
- 1). Tap **Activate** on the pop-up window. Input the Product Serial Number and Activation Code, and then tap **Activate**.
 - 2). Go to *Software Update* to update all available software.

 **Note:** Before use, please make sure that you have chosen the correct VCI device by

tapping **User Info** -> **VCI**.

- If you have an authorized account of DaTo scan tool, please use *Password login*. Input the username and password (If you forgot the password, tap **Set/Reset Password** to set a new one), and tap **Login** to login the diagnostic system.

2.6 Job Menu

It mainly includes the following function modules:

 **Note:** All information, illustrations, and specifications in this manual are based on the latest information available at the time of publication. Due to continuing improvements, DaTo reserves the right to make changes to the diagnostic app at any time without prior notice.

Name	Description
Intelligent Diagnose	- Obtain vehicle data from the cloud server to perform quick test via reading VIN, to avoid various defects resulting from step-by-step menu selection. - Check the historical repair records online.
Local Diagnose	Diagnose a vehicle manually.
Remote Diagnose	This option aims to help repair shops or technicians launch instant messages and remote diagnosis, making the repair job getting fixed faster.
Special Function	It offers coding, reset, relearn and more service functions, to help vehicles get back to functional status after repair or replacement.
Toolbox	Provide some additional add-on tools to extend the functions of the scan tool.
Software Update	To update vehicle diagnostic software and APK.
Diagnosis Kit	Include vehicle coverage, diagnostic software clear, data stream sample, and fix connector firmware, etc.

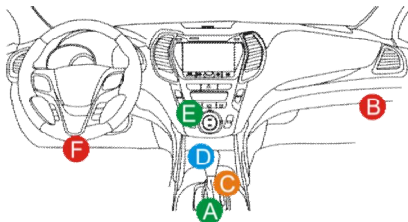
Feedback	To feed back the recent 20 diagnostic logs to us for issue analysis.
User Info	Manage VCI, diagnostic reports & recorded data, password, order and logout / login etc.
Other Modules	Include Error Correction, About and Settings etc.

3 Connections & Communication Setup

3.1 Connections

1. Make sure that the ignition is turned off and vehicle battery voltage is within 9-14V.
2. Locate the vehicle's DLC.

For passenger cars, the DLC is usually located 12 inches from the center of the instrument panel, under or around the driver's side for most vehicles. For some vehicles with special designs, the DLC location may vary. Refer to the following figure for location.



A. Opel, Volkswagen, Audi

B. Honda

C. Volkswagen

D. Opel, Volkswagen, Citroen

E. Changan

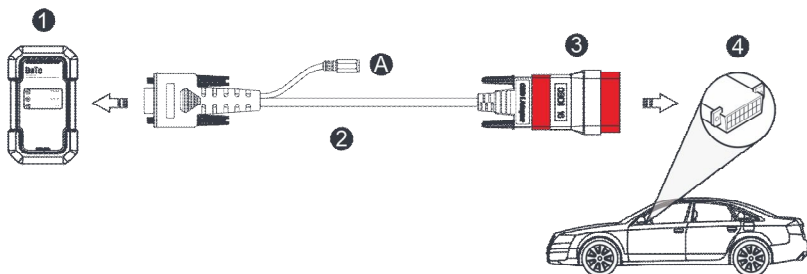
F. Hyundai, Daewoo, Kia, Honda, Toyota, Nissan, Mitsubishi, Renault, Opel, BMW, Mercedes-Benz, Mazda, Volkswagen, Audi, GM, Chrysler, Peugeot, Regal, Beijing Jeep, Citroen and other most popular models

If the DLC cannot be found, refer to the vehicle's service manual for the location.

3. Follow the following illustration to connect the VCI device to the vehicle's DLC.

For OBDII vehicles, use the included diagnostic cable (HDB15F to HD15F diagnostic cable + HD15F to OBD II adaptor) to connect the VCI (1) to the

vehicle's DLC.



- ① VCI
- ② HDB15F to HD15F data cable
- ③ HD15F to OBD II adaptor
- ④ Vehicle's DLC port

For non-OBDII vehicles, perform the following steps.

1. Select the appropriate adaptor from the non-16pin adaptor kit (optional) according to the vehicle's DLC type (④).
2. Loosen the captive screws of the HDB15F to HD15F data cable (②) and disconnect the HD15F to OBD II adaptor (③) from the data cable.
3. Connect the data cable (②) with the target adaptor and tighten the screws. Other steps shall also apply.

 **Note:** If the pin of the DLC is damaged or the DLC has insufficient power, you can get power via either of the following methods:

A. Battery Clamps Cable (not included):

Connect one end of the battery clamps cable to the power jack (A) of the diagnostic cable, and the other end to the vehicle's battery.

B. Cigarette Lighter Cable (not included):

Connect one end of the cigarette lighter cable to the power jack (A) of the diagnostic cable, and the other end to the cigarette lighter receptacle.

If you perform vehicle diagnosis via USB, connect one end of the data cable into the VCI, and the other end into the Type-A USB port of the scan tool.



4. Turn the ignition ON with engine OFF.
5. Now the tool is ready for diagnostics.

3.2 Communication Setup

There are two ways available for the scan tool to communicate with the VCI device: wireless and wired (USB).

After the user registration is successfully finished, the wireless communication between the scan tool and the VCI device is automatically established.

The USB connection is a simple and quick way to establish communication between the scan tool and the VCI. After properly connecting the data cable from the scan tool to the VCI, the VCI navigation button at the bottom of the screen will be enabled indicating the USB connection is successful.

 **Note:** The USB connection provides the most stable and fastest communication. When both of the communication methods are applied at the same time, the scan tool will use USB communication by default.

4 Vehicle Diagnosis

4.1 Intelligent Diagnose

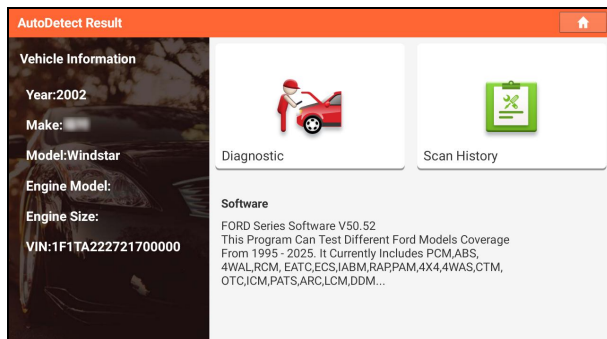
This function enables you to obtain vehicle data from the cloud server to perform quick test via decoding VIN, to avoid various defects resulting from step-by-step menu selection.

 Note: Before using this function, please make sure the VCI is properly connected to the vehicle's DLC. For detailed connection, see Chapter 3.1.

1. Tap **Intelligent Diagnose** on the Job menu screen to start pairing with the VCI.

2. After pairing is complete, the scan tool starts reading the vehicle VIN.

A. If the VIN is successfully decoded, the following screen will appear:



- Tap **Diagnostic** to start a new diagnostic session.
- Tap **Scan History** to view its historical repair records. If there are records available, they will be listed on the screen in sequence of date.

 Notes:

- Please note that not all vehicles support this function due to settings imposed by auto manufacturers.
- A highly stable network connection is recommended for successful VIN access.



B. If the scan tool failed to access the VIN information, it will automatically enter the local diagnose mode. See Chapter 4.2 for details.

4.2 Local Diagnose

If the scan tool cannot analyze the VIN information, you can also perform Local (Manual) Diagnose.

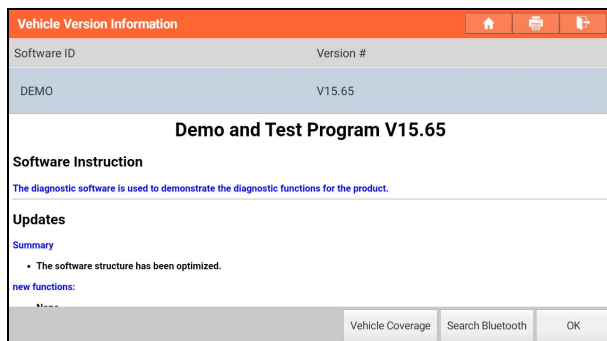
Tap **Local Diagnose** to enter the vehicle selection page.

Two approaches are provided to access the vehicle diagnostic software. Choose either of the following ways:

1. Operations of VINSCAN Service are the same as Intelligent Diagnose. Refer to Chapter 4.1 for details.
2. Manually select the vehicle's make, model and year. In this mode, you need to execute the menu-driven command and follow the on-screen instructions to proceed.

Use Demo (Version 15.65) as a reference to illustrate how to diagnose a vehicle.

- 1). Tap the **DEMO** to go to Step 2.



On-screen Buttons:

Vehicle Coverage: Tap to view the vehicle models that the current diagnostic software covers.

Search Bluetooth: Tap to search for all available VCIs. After the VCI is successfully activated, it will be bound to the user account and paired with the

scan tool automatically.



Note: No Bluetooth connection is required for DEMO program.

OK: Tap it to go to next step.

The diagnostics toolbar, located at the top of the diagnostic screen, contains buttons that enable different procedures throughout the diagnostic session.

Below is a brief description of the functions of the diagnostics toolbar buttons:



Home: Returns to Job menu screen.

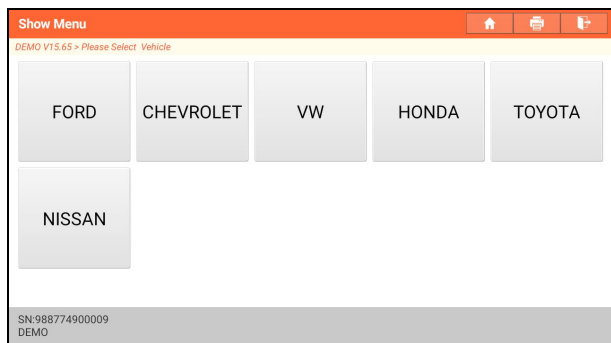


Print: Prints the current screen or report.

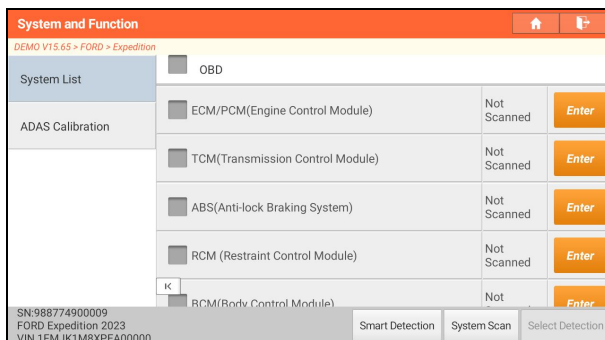


Exit: Exits the diagnostic application.

- 2). Select vehicle model (varies with version): Select the desired vehicle model (Take **Ford** for example).



- 3). Select the desired test item to proceed.



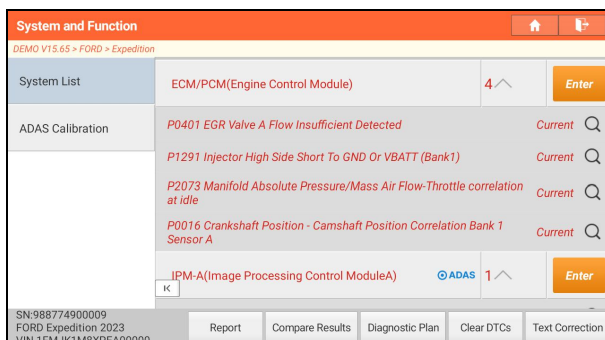
System List: Displays all available vehicle systems in form of list.

ADAS Calibration: Performs ADAS calibration operations. It is extracted from the system list as a functional module and provides a quick access to ADAS system.

On-screen Buttons:

Enter: Select certain system, and tap this button to enter the diagnostic function selection screen.

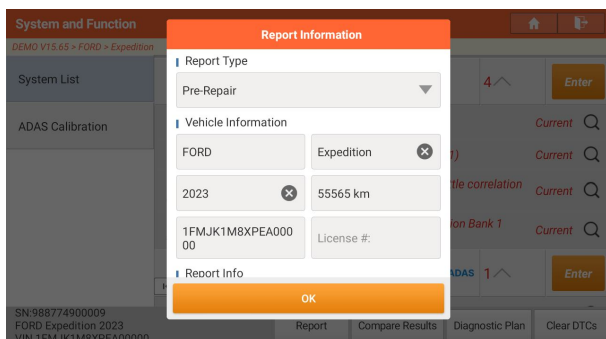
Smart Detection: Tap to quickly access all the electronic control units of the vehicle and generate a detailed report about vehicle health. The tested systems malfunctioning are displayed in red with a number indicator displaying DTC quantity and the systems with functioning properly are displayed in green.



Note: Diagnostic Trouble Codes or Fault Codes can be used to identify which

engine systems or components are malfunctioning. Never replace a part based only on the DTC definition. Retrieving and using DTCs for troubleshooting vehicle operation is only one part of an overall diagnostic strategy. Follow testing procedures (in vehicle's service manual), instructions and flowcharts to locate the problem.

- **Enter:** Tap to enter the diagnostic function selection screen.
- **Q(Search):** Highlight a diagnostic trouble code and tap it to retrieve it in the search engine.
- **Report:** Tap to save the diagnostic result as a health report. All diagnostic reports are saved in **User Info -> My Report -> Health Reports**.

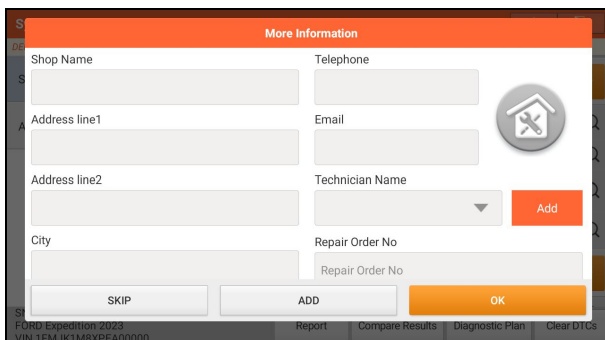


The screenshot shows the 'Report Information' dialog box with the following fields:

- Report Type:** Pre-Repair (dropdown menu)
- Vehicle Information:**
 - FORD (text field)
 - Expedition (text field with a clear button)
 - 2023 (text field with a clear button)
 - 55565 km (text field)
 - 1FMJK1M8XPEA0000 (VIN text field)
 - License #: (text field)
- Report Info:** (empty text field)
- OK** (orange button)

 **Note:** The diagnostic reports are categorized into three types: Pre-Repair report, Post-Repair report and Diagnostic Scan. No matter which type you saved the report as, the report type will be appended as a tag on the upper right corner of the diagnostic report for convenient identification.

Tap  to select the report type from the option list, input the required information, and then tap **OK**. The following screen will appear.



More Information

Shop Name Telephone

Address line1 Email

Address line2 Technician Name 

City Repair Order No

Repair Order No

FORD Expedition 2023
VIN 1FM5K1M5XPEA03000

Report Compare Results Diagnostic Plan Clear DTCs

Tap the input box to enter the shop information. Alternatively, you can also set it in **Other Modules -> Settings -> Shop Information**.

 Once you configured the information, it will be automatically generated every time you save a diagnostic report. All vehicle and workshop information will be appended as tags on the diagnostic report.

- **Compare Results:** Tap to select the pre-repair report to compare. By comparison of the pre- and post- repair reports, you can easily identify which DTCs are cleared and which remain unfixed.

Compare Results		
DTC	Post	Pre
ECM/PCM(Engine Control Module)		
P0401 EGR Valve A Flow Insufficient Detected	Cleared	Found
P1291 Injector High Side Short To GND Or VBATT (Bank1)	Cleared	Found
P2073 Manifold Absolute Pressure/Mass Air Flow-Throttle correlation at idle	Cleared	Found
P0016 Crankshaft Position - Camshaft Position Correlation Bank 1 Sensor A	Cleared	Found
Report		

 Note: Before performing this function, please make sure that:

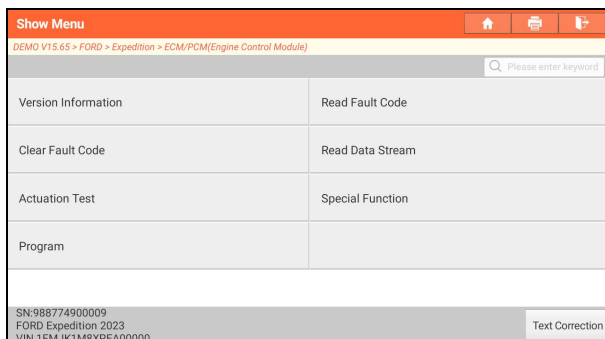
- You have saved a pre-repair report of the currently tested vehicle, and
- You have already made some repairs and service and cleared the DTCs after the

pre-repair reported is generated. Otherwise, no differences exist between the pre-and post- repair reports.

- **Diagnostic Plan:** Figures out the diagnostic plan and repair solutions for the detected DTCs.
- **Clear DTCs:** Tap to clear the existing diagnostic trouble codes.
- **Text Correction:** Tap to modify the original translated text and upload it to our server after completing the edits. If the modified translation passes review by our professional team, it will be directly synchronized to the current software version. This approach helps avoid frequent version release.

System Scan: Tap to scan which systems are installed on the vehicle.

Select Detection: Select certain system manually to start scanning. Select the desired system (take **ECM/PCM** for example), the following screen will appear:



Show Menu	
DEMO V15.65 > FORD > Expedition > ECM/PCM(Engine Control Module)	
Please enter keyword	
Version Information	Read Fault Code
Clear Fault Code	Read Data Stream
Actuation Test	Special Function
Program	
SN:988774900009 FORD Expedition 2023 VIN 1FMJK1M8XPEA00000	
Text Correction	

In general, the diagnostic functions vary with different vehicle models. It mainly includes the following options:

A. Version Information

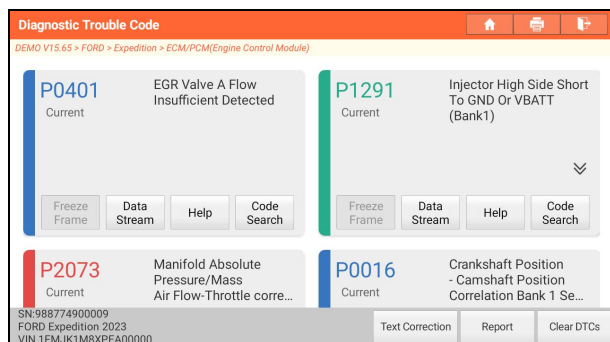
This function can read the version information of system mode, vehicle VIN, software and ECU.

B. Read Fault Code

This function can read the detailed information of DTC in the ECU memory, quickly identifying the cause of the vehicle breakdown.

 **Note:** Retrieving and using DTCs for troubleshooting vehicle operation is only one part of an overall diagnostic strategy. Never replace a part based only on the DTC definition. Each DTC has a set of testing procedures, instructions and flow charts that must be followed to confirm the location of the problem. This information can be found in the vehicle's service manual.

Tap **Read Fault Code**, the screen will display the diagnostic results.



On-screen Buttons:

Freeze Frame: View the snapshot of critical parameter values at the time the DTC is set.

Help: To view the help information.

Code Search: To search for more information about the current DTC online.

Report: Tap to save the diagnostic result as a diagnostic report. All diagnostic reports can be accessed from **User Info -> My Report -> Health Reports**.

C. Clear Fault Code

This function enables you to erase the codes from the vehicle after reading the retrieved codes from the vehicle and certain repairs have been carried out.

Before the operation, make sure the vehicle's ignition key is in the ON position with the engine off.

 **Note:** After clearing, you should retrieve trouble codes once more or turn ignition on and retrieve codes again. If there are still some trouble codes in the system, please troubleshoot the code using a factory diagnosis guide, then clear the code and recheck.

D. Read Data Stream

This option retrieves and displays live data from the vehicle's ECU. This data including current operating status for parameters and/or sensor information can provide insight on overall vehicle performance. It can also be used to guide vehicle repair.

⚠ Caution: If you must drive the vehicle to perform a troubleshooting procedure, ALWAYS have a second person assist you. Attempting to drive the vehicle and operate the scan tool at the same time is dangerous, and could cause a serious traffic accident.

Tap **Read Data Stream**, the following screen will appear.

Data Stream					
DEMO Y15.65 > FORD > Expedition > ECM/PCM(Engine Control Module)					
Name	☐	Value	Standard Range	English	Metric
Accelerator Pedal Position D	☐	20	0 - 100	%	☒
Accelerator Pedal Position E	☐	20	0 - 100	%	☒
Accelerator Pedal Position Sensor 1	☐	1.2	0 - 5	V	☒
Accelerator Pedal Position Sensor 2	☐	0.57	0 - 5	V	☒
Barometric Pressure	☐	99.5	0 - 117.2	kPa	☒
Recorded Data	Compare Sam	Save Sample	Graph	Report	Record
Text Correction					

On-screen Buttons:

Select Page: Tap to select all items of the current page.

Select All: Tap to select all items. To select certain data stream item, just check the box before the item name.

Unselect: Tap to deselect all data stream items.

OK: Tap to confirm and jump to the next step.

After selecting the desired items, tap **OK** to enter the following page.

Data Stream					
DEMO V15.65 > FORD > Expedition > ECM/PCM(Engine Control Module)					
Name	T	Value	Standard Range	English	Metric
Accelerator Pedal Position D		20	0 - 100	%	
Accelerator Pedal Position E		20	0 - 100	%	
Accelerator Pedal Position Sensor 1		1.2	0 - 5	V	
Accelerator Pedal Position Sensor 2		0.57	0 - 5	V	
Barometric Pressure		99.5	0 - 117.2	kPa	
Recorded Date	Compare Sam	Save Sample	Graph	Report	Record
Text Correction					

Notes:

1. Tap to set different display style for each selected item.

indicates sticky top. If it is tapped, the data stream item with will be shown on the top of the selected data stream list. To remove it from the top of the list, just tap it again.

B indicates this item will be displayed in **Bold**.

A indicates this item will be displayed in **Red**.

2. Tap English or Metric to switch the measurement unit.

3. If the value of the data stream item is out of the range of the standard (reference) value, the whole line will display in red. If it complies with the reference value, it displays in blue (normal mode).

The system will display the selected data streams in 3 modes, allowing you to view various types of parameters in the most suitable way.

- Value (default) – Shows parameters with numbers and lists.
- Graph – Displays the parameters in wave patterns.
- Combine – The graphs can be merged for easier comparisons.

On-screen Buttons:

: Tap to view the parameters in wave patterns.

Compare Sample: Tap to select the saved Data Stream sample files. All the values you customized and saved during the sampling process will be imported

into the **Standard Range** (See below) column for comparison.

 **Note:** Before executing this function, you have to sample the values of data stream items and save it as a Data Stream sample file.

Data Stream				
DEMO V15.65 > FORD > Expedition > ECM/PCM(Engine Control Module)				
Name	Value	Standard Range(Sample)	English	Metric
Accelerator Pedal Position D	15.69	0 - 22.75	%	
Accelerator Pedal Position E	15.69	0 - 21.18	%	
Accelerator Pedal Position Sensor 1	0.9	0.78 - 1.11	V	
Accelerator Pedal Position Sensor 2	0.46	0.39 - 0.57	V	
Barometric Pressure	99.5	99.5 - 99.5	Kpa	
Recorded Date	Compare Sam	Save Sample	Graph	Report
Record	Text Correction			

Save Sample: This feature allows you to personalize the standard range of live data stream items and save it as a sample file. Each time you utilize the data stream items, you can call out the corresponding sample data for comparative analysis.

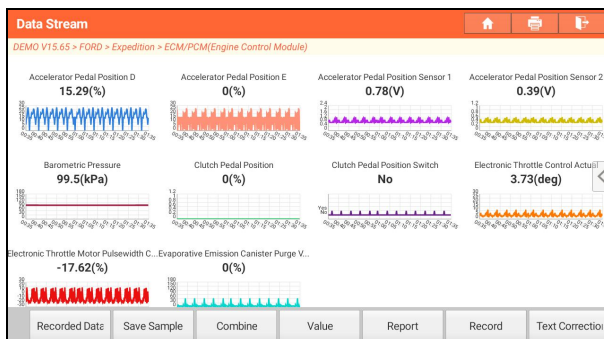
Tap it to start recording the sample data (*Note: Only data stream items with measurement units will be recorded). After the recording process is complete, tap  to end the recording. The following screen will appear:

Confirm Sample DS				
DEMO V15.65 > FORD > Expedition > ECM/PCM(Engine Control Module)				
Name	Min Value	Max Value	Unit	
Accelerator Pedal Position D	0.0	22.75	%	
Accelerator Pedal Position E	0.0	21.18	%	
Accelerator Pedal Position Sensor 1	0.78	1.11	V	
Accelerator Pedal Position Sensor 2	0.39	0.57	V	
Barometric Pressure	99.5	99.5	Kpa	
SN:988774900009 FORD Expedition 2023 VIN 1FMJK1M8XPEA00000				Save

Tap the Min./Max. value to change it. After modifying all desired items, tap **Save**

to save it as a Data Stream sample file. All Data Stream sample files are stored in **Diagnosis Kit -> Data Stream Sample**.

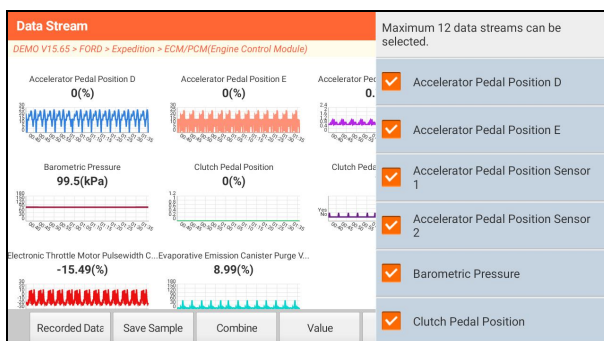
Graph: Displays parameters with wave patterns.



Tap **Combine** to merge graphs for easier comparisons (A maximum of 4 items can be merged simultaneously).

Tap **Value** to view the data displayed in values.

Tap **<** on the right side of the screen to deselect the running items/ select other items.



Report: To save the current data stream. All diagnostic reports can be accessed from **User Info -> My Report -> Health Reports**.

Record: Tap to start recording diagnostic data. Recorded live data can serve as

valuable information to help troubleshooting and diagnostics. All diagnostic records can be accessed from **User Info -> My Report -> Recorded Data**.

E. Actuation Test

This option is used to access vehicle-specific subsystem and component tests. Available tests vary by vehicle manufacturer, year, and model.

During the actuation test, the scan tool outputs commands to the ECU in order to drive the actuators, and then determines the integrity of the system or parts by reading the ECU data, or by monitoring the operation of the actuators, such as switching an injector between two operating states.

F. Special Function

This option offers coding, reset, relearn, and more service functions to help vehicles get back to functional status after repair or replacement. Available tests vary by vehicle manufacturer, year, and model.

Some special functions can also be accessed from the **Special Function** on the Job Menu.

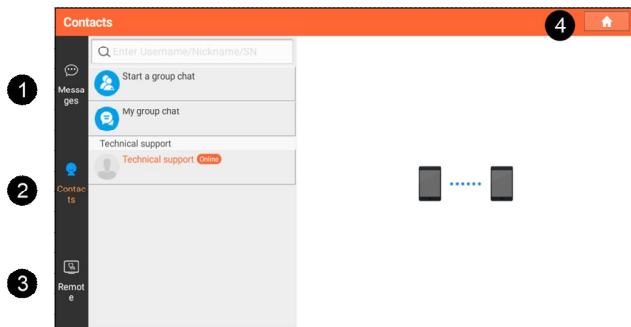
4.3 Remote Diagnose

This module helps repair shops or technicians launch remote diagnosis on a vehicle, improving repair efficiency and getting tough repair job fixed faster.

This remote diagnosis can be performed between:

- The scan tool and other DaTo-specific scan tools, which are equipped with this module. See Chapter 4.3.1 for details.
- The scan tool and PC client technician (based on web-based remote diagnosis platform <http://remote.x431.com/>). See Chapter 4.3.2 for details.

Tap **Remote Diagnose** on the Job menu, the following screen will appear.



1. Messages tab

Tap it to display a list of messages you have involved in. When a new message arrives, a red dot will appear on the upper right corner of the tab.

2. Contacts tab

Tap it to show your friend or partner list. Only the technical support is displayed by default if no friend is added.

To search for the desired partner, you can input the partner's username or the serial number of the scan tool in the search bar.

You can also start a group chat and manage your group chat.

 **Note:** The partner must be the users who have registered their DaTo-specific diagnostic tools. They may be the following: workshop / technician / golo users.

3. Remote tab

This function allows you to request remote help from the PC client technician.

4. Home button

Navigate to the Job Menu screen.

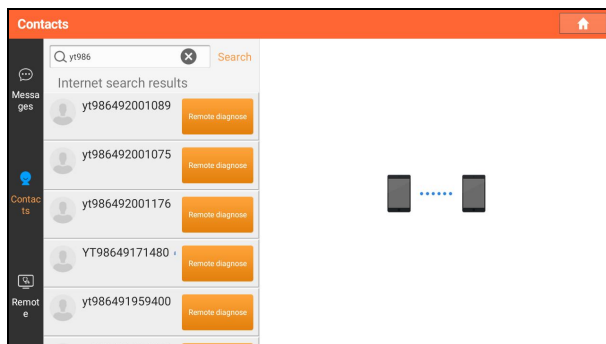
4.3.1 Remote Diagnosis with Other Specific Scan Tools

This function allows you to initiate remote diagnosis with other DaTo-specific scan tools, which are equipped with this module.

■ To launch remote diagnosis with the partner not in your friend list

1. Tap **Contacts**. In the search bar, input the partner's username or serial number of the scan tool, and tap **Search**.

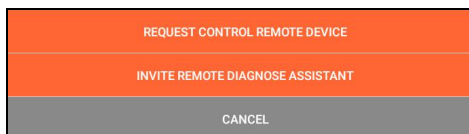
2. When searching is finished, the following screen will appear:



3. In this screen, you can directly tap **Remote Diagnose** on the right of the username to launch remote diagnosis or tap the technician's avatar to proceed.

When you directly tap **Remote Diagnose**, follow the steps below:

1) Tap **Remote Diagnose**, and the following pull-down menu will appear:



2) Tap **REQUEST CONTROL REMOTE DEVICE** or **INVITE REMOTE DIAGNOSE ASSISTANT**.

3) Choose the desired diagnostic software (this step only applies to the **INVITE REMOTE DIAGNOSE ASSISTANT**).

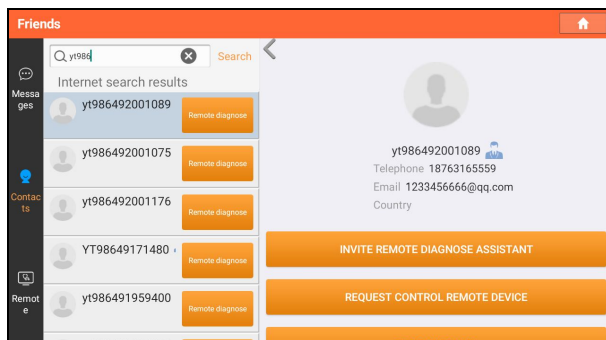
4) Wait for the partner's confirmation.

5) Start connection after the request is accepted.

6) Start diagnosis and generate remote diagnostic report.

When you tap the technician's avatar, follow the steps below:

1) Tap the desired technician's avatar, the following screen will appear:



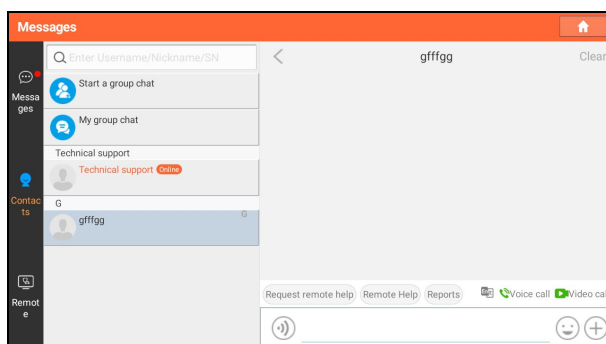
2) Tap **REQUEST CONTROL REMOTE DEVICE** or **INVITE REMOTE DIAGNOSE ASSISTANT** to request remote help/provide remote help.

You can tap **ADD FRIEND** to send your request. After the partner accepted the request, a beep will sound and the partner will automatically be listed in the **Contacts** tab.

If necessary, you can also tap **SEND MESSAGE** to launch instant messaging.

■ To launch remote diagnosis with the partner in your friend list

Tap **Contacts**, select a desired partner, and the following screen will appear:



Tap the input field and use the on-screen keyboard to send message.

Tap 🎤 to send voice messages. Tap 😊 to send emoji.

Tap  to call out the following function options:

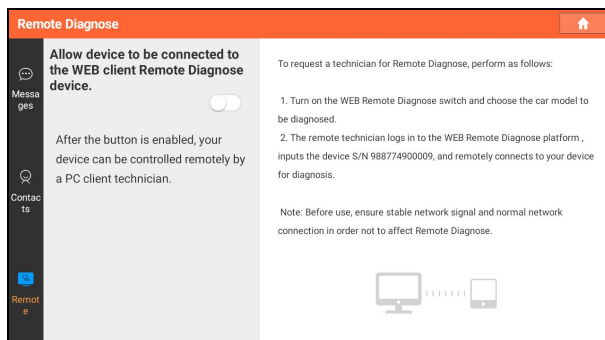
- File: Select diagnostic reports or local files to be sent.
- Picture: Select screenshots or pictures to be sent.
- Remote Diagnose: Start a remote diagnosis session.
- Camera: Enable camera to take pictures.

You can also tap the avatar of the desired partner to request control remote device, invite remote diagnose assistant, or send message.

4.3.2 Remote Diagnosis with PC Client Technician

This function allows you to ask for remote control or provide remote assistant on web-based remote diagnosis platform.

1. Tap **Remote**, the following screen will appear:



2. Slide the switch to ON so that the remote technician can control your device using the web-based remote diagnosis platform.
3. Notify the remote technician to login the remote diagnosis platform <http://remote.x431.com>.

 **Note:** Before processing remote diagnosis, ensure that the device is properly connected to the vehicle and the network connection is stable.



Realtime Remote Full System Diagnosis Platform

Realtime Remote Full System Diagnosis Platform

[Login](#)[Register](#)

Technician Account

Password

☒ Automatic login next time [Forget password?](#)

Login

4. After the technician successfully logs in the platform, the following screen will appear.

Remote diagnosis

☒ Serial Number

Locate the car to be diagnosed according to golo/AIT serial number

☐ License Plate Number

Locate the car to be diagnosed according to the car owner's license plate number

☐ Phone Number

Locate the car to be diagnosed according to the car owner's phone number

972290000223

Start remote diagnosis

Tips:Before starting remote diagnosis, confirm the car owner's car information and condition

5. The technician can input the serial number of your device and start remote

diagnosis. Now your device is remotely controlled by the remote technician.

In the process of remote diagnosis, note the followings:

- 1) You are not suggested to execute any actions.
- 2) The partner is not allowed to save any diagnostic reports or records on your tool.

Once the session is complete, a remote diagnostic report will be automatically generated.

4.4 Feedback

This function enables you to send the feedback of your diagnostic problems to us for further analysis and troubleshooting.

There are 3 options available:

1. Feedback: To send tested vehicle diagnostic feedback.
2. History: To view all diagnostic feedback records.
3. Offline list: To view all diagnostic logs that fail to be submitted, which will be uploaded again to the remote server automatically once the scan tool gets the stable network.



5 Special Function

It offers coding, reset, relearn and more service functions, to help vehicles get back to functional status after repair or replacement. Available tests vary with vehicle manufacturer, year, and model.

Due to continuing improvements, the available service functions are subject to change at any time. To enjoy more service functions, check for updates on a regular basis.

There are two methods to perform reset operations: Manual Reset or Auto Reset. Auto Reset follows the principle of sending command from the tool to vehicle's ECU to do resetting. While using Manual Reset, follow the on- screen instructions to select appropriate execution options, enter correct data or values, and perform necessary actions, the system will guide you through the complete performance for various service operations.

6 Software Update

This module enables you to update the diagnostic software & App and frequently used software.

6.1 Update Diagnostic Software & APP

Go to **Software Update** on the Job Menu and tap the **Downloaded** tab.

The **Available** tab displays a list of software that can be updated. Under it, all software is categorized into three kinds:

- **Common software:** mainly includes some common apps that are associated with the diagnostic app. The software of this kind always stays at the top of the list, which can be deselected manually (excluding the system app, such as firmware and ECU aid).
 - **Frequently used vehicle software:** refers to the diagnostic software that is frequently used, including the vehicle diagnostic software and Reset software. It is generally displayed following the **Common software** list.
 - **Other vehicle software:** refers to the diagnostic software that is rarely used or never used. It is generally displayed following the **Frequently used software** list.
- 1). If the user does not download any diagnostic software during the sign-up process, all diagnostic software is selected by default. Tap **Update** to start downloading.
 - 2). If the user downloaded all/some vehicle software during the sign-up process and had it serviced for a long period of time, only the frequently used software is selected. Tap **Update** to start downloading. Other vehicle software that is rarely used will also be listed under the **Available** tab, but it is not selected by default.

Software Update					
Upgradeable software(3)			Serial Number: 98877490009		
Available		Downloaded		Enter the model name	
Vehicle		Current Version	Update Version	Size	Update content
☒ [PC] Suzuki		V38.90	V39.00	21.2 M	Optimized the software structure.
☒ [PC] GM/Buick/Cadillac/Chevrolet (China)		V53.50	V53.60	39.4 M	Added version information, DTC reading, DTC clearing, data stream reading, actuation test and special fun...
☒ [PC] Holden (Australia)		V44.10	V44.20	37.6 M	Add Muti-System DataStream Function. Optimized the software structure.
				Refresh	Unselect Update Renewals

To download certain software that is not frequently used, check the box before the vehicle model. Tap **Update** to start downloading.

Once download is finished, the software packages will be installed automatically.

6.2 Update Frequently Used Software

If the user only intends to update the frequently used software, go to Software Update and tap the **Downloaded** tab.

Tap **Update** to start downloading. Once download is finished, the software packages will be installed automatically.

6.3 Renew Subscription

If the software subscription is due or expires, the system will prompt you to renew your subscription. Follow the on-screen instructions to proceed.

7 Toolbox

7.1 TPMS

This module allows you to configure the scan tool as TPMS activation & diagnostic tool, which provides the ability to trigger TPMS sensor, program TPMS sensor, perform the relearning procedure. It needs to work with the compatible TSGUN device (sold separately).

For more details, please refer to the User Manual included with the module.

7.2 ADAS (Calibration)

This module enables you to effectively and accurately calibrate a wide range of camera-based & radar-based driver assistance systems, e.g. the front camera for the lane departure warning system, the radar sensor for the ACC (Adaptive Cruise Control) or the camera for adaptive headlights. It needs to work with the specific ADAS calibration tool (sold separately).

For more details, please refer to the User Manual included with the module.

7.3 Oscilloscope

This module can make the auto repair technician quickly judge the faults on automotive electronic equipment and wiring. It needs to work with the specific Scopebox (sold separately).

For more details, please refer to the User Manual included with the module.

7.4 Sensor Simulator

This module is specially designed to diagnose and simulator vehicle sensor faults quickly and conveniently. It needs to work with the compatible S2-2 Sensorbox (sold separately).

For more details, please refer to the User Manual included with the module.

7.5 Video Scope

This module allows you to check those unseen parts of engine, fuel tank, and



braking system etc. It needs to work with the compatible Videoscope (sold separately).

7.6 BST360 (Battery Tester)

This module allows you to fix battery detection faster and easier. It needs to work with the specific Bluetooth battery tester (sold separately).

For more details, please refer to the User Manual included with the module.

7.7 Multimeter

This module allows you to measure the physical parameters such as voltage, resistance, frequency etc. It utilizes the same hardware as the EM101N.

For more details, please refer to the User Manual included with the EM101N.

7.8 Current Clamp

This module allows you to perform AC/DC current test and DC voltage test for traditional fuel cars and new energy vehicles. It needs to work with the compatible current clamp (sold separately).

For more details, please refer to the User Manual included with the module.

7.9 Insulation Tester

The module enables you to complete the measurement of insulation resistance, voltage and other parameters. It is suitable for users who measure and overhaul on-site power equipment and power supply lines.

For more details, please refer to the User Manual included with the module.

7.10 Immobilizer Programmer

This module allows you to perform the read-write function for vehicle keys, EEPROM, MCU, and EEPROM/FLASH of vehicle engine and gearbox ECU. It needs to work with the specific immobilizer programmer (sold separately).

For more details, please refer to the User Manual included with the module.

7.11 Key Programmer

The module can identify car key chips and generate various types of chip models from super remotes, read the remote-control frequency of car keys, and generate remote control devices for different car models from various types of super remotes. It needs to work with the compatible key programmer (sold separately).

For more details, please refer to the User Manual included with the module.

7.12 Tire Tread Examiner

The function can accurately and quickly detect the vehicle tire tread and analyze tire wear. It needs to work with the compatible tire tread depth examiner (sold separately).

For more details, please refer to the User Manual included with the module.



8 Diagnosis Kit

8.1 Vehicle Coverage

This option allows you to check which vehicle models are supported on the tool.

8.2 DLC Voltage Check

This option allows you to perform a check of the vehicle's battery to ensure the system is operating within acceptable limits.

8.3 Diagnostic Software Clear

This option allows you to hide/clear the diagnostic software that is not frequently used.

 **Note:** Removing software may completely delete the software from the scan tool. If some software is not used and the scan tool runs out of space, you can use this feature to remove it. To re-download it, go to **Software Update -> Available**.

8.4 Fix Connector Firmware

This option allows you to upgrade and fix VCI firmware. During fixing, please do not cut power or switch to other interfaces.

8.5 Data Stream Sample

This option allows you to manage the recorded data stream sample files.

8.6 Reset MSVIN

This option can decode the VIN information of all ECUs installed on test vehicle and output all inconsistent VINs.

8.7 Diagnostic History

This option offers convenient access to previously tested vehicle records, allowing users to resume from the last operation without needing to start anew.

8.8 Vehicle QR

This function can work as a vehicle QR code scanner and can be applied only in the Japan area. After scanning the vehicle QR code with this function, you will be able to access product information, videos, and reviews about the car.



9 User Info

This function allows you to manage personal information and VCI.

9.1 My Report

This option is used to view, delete or share the saved reports or recorded data.

Tap **My Report**, there are total 3 options available.

1. If the DTC result is saved on Read Trouble Code page, the files will be listed under **Health Reports** tab.
2. **Remote Reports** lists all diagnostic reports generated in process of remote diagnosis.
3. If user records the running parameters while reading data stream, the scan tool will save the file under **Recorded Data** tab.

9.2 VCI

This function allows you to manage all your activated VCI devices.

If several VCI devices are activated on this tool, a list of VCIs will be displayed on the screen. Once you choose the VCI that belongs to other account, you have to log out, and then input the right account to continue.

9.3 Activate VCI

This function enables you to activate a new VCI in the event you missed the Activate VCI step during the product registration process.

9.4 Profile

This function allows you to view and configure personal information.

9.5 My Order

This function allows you to check the status of all your orders.

9.6 Change Password

This function allows you to modify your login password.

9.7 VCI Management

This function is used for the scan tool to deactivate pairing up with the VCI device via Bluetooth.

9.8 Login/Log Out

To logout the current user ID, tap **Log Out**.

To login the system again, tap **Login**.



10 Other Modules

10.1 Error Correction

This function allows you to check the review status of the interface translation text that you have modified and submitted.

10.2 Opinion Feedback

This function enables you to send your feedback of various opinions including incorrect or inappropriate interface translation text, function failure, product experience, and member services etc. for continuing improvements.

10.3 About

This function enables you to check software version, product manual, FAQ, service agreement, and privacy policy etc.

10.4 Settings

It enables you to make some application settings.

10.4.1 Units

This function enables you to set the measurement unit. Metric System and English System are available.

10.4.2 Shop Information

This function enables you to define your shop information. After you saved the shop information, it will be filled automatically in the "Add Information" box every time you save a diagnostic report.

10.4.3 Printer Set

This option allows you to establish a wireless connection between the scan tool and the Wi-Fi printer (sold separately) while performing printing operations.

Before printing, make sure that the Wi-Fi printer is powered on and working normally. Follow the steps below to proceed:

1. Set the default printer as **System**.
2. Set the Wi-Fi switch to On.
3. Tap the desired Wi-Fi printer hotspot to connect.
4. On the report details page, tap .
5. Touch ▼ next to **Select a printer** to select the desired Wi-Fi printer from the list. If the chosen Wi-Fi printer hotspot is enabled, the tool can connect to it directly. If it is encrypted, a password may be required. See the Wi-Fi printer user manual for the default password.
6. Now the printer is ready for printing.

Alternatively, you can also choose **Save as PDF** to save the current diagnostic report as a PDF file for later printing.

10.4.4 Clear Cache

This function enables you to clear the app cache.

Clearing cache will result in the app restarting.

10.4.5 Diagnostic Software Auto Update

This function is used to set whether automatic update function is ON.

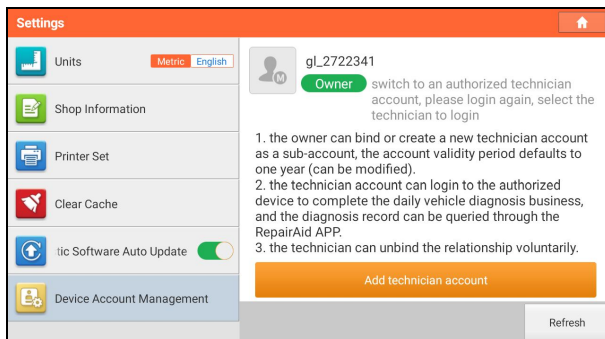
10.4.6 Device Account Management

This function manages sub-accounts, enabling the use of the tool by different users and facilitating the tracking of diagnostic logs from various technicians.

Newly added sub-accounts have a one-year validity period. After expiration, they lose the rights and privileges of the main account. However, the main account can modify the validity period of the sub-account.

There are two types of sub-accounts: existing accounts and newly created ones. The main account has the ability to add and remove sub-accounts, while sub-accounts can also be unbound from the main account.

Tap **Device account management**, the following screen will appear:



Tap **Add technician account**,

- If you already have an account, please enter the username and password. After inputting, tap **Add Immediately** to add it as a sub-account.
- If you have not registered any account, tap **new technician account** to create a sub-account.

After adding the sub-account, user can tap **Remove** to unbind it from the main account or tap **Change** to revise the validity period.

11 FAQs

1. How to save power?

1. Please turn off the screen while the tool keeps idle.
2. Set a shorter standby time.
3. Decrease the brightness of the screen.
4. If Wi-Fi connection is not required, please turn it off.
5. Disable Global Positioning System (GPS) function if GPS service is not in use.

2. Communication error with vehicle ECU?

Please confirm:

1. Whether the VCI device is correctly connected.
2. Whether ignition switch is ON.
3. If all checks are normal, send vehicle year, make, model and VIN number to us using Feedback feature.

3. Failed to enter into vehicle ECU system?

Please confirm:

1. Whether the vehicle is equipped with this system.
2. Whether the VCI device is correctly connected.
3. Whether ignition switch is ON.
4. If all checks are normal, send vehicle year, make, model and VIN number to us using Feedback feature.

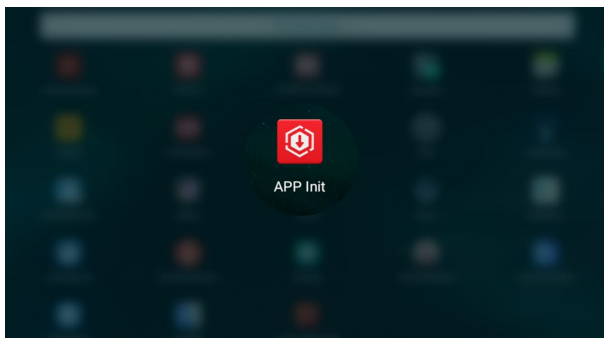
4. How to download the diagnostic App after resetting the scan tool?



Note: Before registration, please make sure the network is properly connected.

If the scan tool has been reset to the factory settings or the diagnostic app has been uninstalled, follow the steps below to download it.

1. On the Android's home screen, tap the mini program **APP Init** to run it.



- The program automatically obtains the Serial Number of the diagnostic tool. Carefully check the product Serial Number information against the included Password Envelope. If consistent, tap **OK** to start downloading and installing.

Diagnostic application download and installation guidelines

Input the 12-digit device serial number.

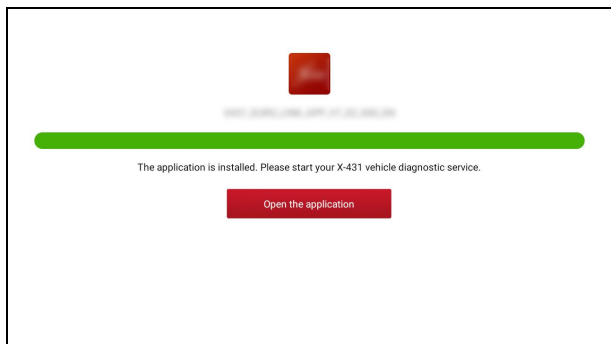
OK

1: The device automatically obtains the device serial number. Confirm the product serial number information according to the device password envelope, and click OK to download and install the diagnostic application.

2: Download and install the diagnostic application, open the new application, and follow the prompts for user registration, device activation and vehicle diagnostic services.

 **Note:** If inconsistent, tap the displayed Serial Number to revise it.

- After the downloading and installation is completed, the following screen will appear.



4. Tap **Open the application** to open it and a new Diagnostic App icon will appear on the home screen.

5. What to do if the language of vehicle diagnostic software does not match the system language?

English is the default system language of the tool. After the system language is set to the preference language, please go to the update center to download the vehicle diagnostic software of the corresponding language.

If the downloaded diagnostic software is still displayed in English, it indicates that the software of the current language is under development.

6. How to retrieve the login password?

Please follow below steps to proceed in case you forgot the login password:

1. Tap the application icon on the home screen to run it.
2. Tap **Login** on the upper right corner of the screen.
3. Tap **Set/Reset Password**.
4. Input product S/N and follow the on-screen prompts to retrieve the password.

7. How to backup system data?

There are two USB ports available on this tool: USB Type-A and USB Type-C. The former is reserved for external USB storage device and the latter is used with PC when performing system data backup. It is strongly recommended to



use the USB Type-C interface for this operation.

A. If exchanging data with an external USB storage device,

1. Plug the USB storage device into the USB Type-A interface.
2. Swipe the screen from the top to select the USB drive.
3. Now you can exchange the data with the USB storage device.

B. If exchanging data with a PC,

1. On the home screen, tap **Settings** -> **USB Management**. Slide the USB Switch to OFF to enable the USB Type-C interface.

 **Note:** By default, the USB Switch is set as ON. In this case, the USB Type-C interface is only for charging and disabled for data exchange.

2. Plug the Type-C end of the included data cable into the Type-C port of the tool, and the other end to the USB port of the PC.
3. After the PC successfully identifies the tool, you can perform data backup.

Warranty

This warranty is expressly limited to persons who purchase DaTo® products for purposes of resale or use in the ordinary course of the buyer's business.

DaTo® electronic product is warranted against defects in materials and workmanship for one year (12 months) from date of delivery to the user.

This warranty does not cover any part that has been abused, altered, used for a purpose other than for which it was intended, or used in a manner inconsistent with instructions regarding use. The exclusive remedy for any automotive meter found to be defective is repair or replacement, and DaTo shall not be liable for any consequential or incidental damages.

Final determination of defects shall be made by DaTo in accordance with stipulated procedures.

Order Information

Replaceable and optional parts can be ordered directly from your authorized tool supplier. Your order should include the following information:

- Quantity
- Part number
- Item description

Customer Service

If you have any questions during the operation of the unit, please contact the Seller, or contact DATO Service Center.

Website: <https://datoscan.com>

Phone: +9718003286

Email: support@datoscan.com

To reduce roundabout time, you need to clearly indicate **your product Serial Number** when providing issue feedback.

For COMMUNICATION TERMINAL:

Federal Communications Commission (FCC) Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: Changes or modifications made to this device not expressly approved by

may void the FCC authorization to operate this device.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

RF exposure statement:

The transmitter must not be colocated or operated in conjunction with any other antenna or transmitter. This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a Minimum distance of 20cm between the radiator and any part of your body.