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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.

Example:


Tap **OK**.

Notes and Important Messages

Notes

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


Example:

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

Warning

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


Example:

 Warning: 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.

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.

Example:

 Danger: If you must drive the vehicle in order to perform a troubleshooting procedure, always have a second person help you. Trying to drive and operate the

diagnostic tool at the same time is dangerous, and could cause a serious traffic accident.

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.

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 cause slower reaction time and result in death or serious personal injury.
- Please use the included battery and power adaptor. Risk of explosion if the battery is replaced with an incorrect type.
- DO NOT attempt to operate the tool while driving the vehicle. Have second personal 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, put the gear lever in the Neutral position (for manual transmission) or in the Park (for automatic transmission) position to avoid injury.
- NEVER smoke or allow a spark or flame in vicinity of 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.
- Put blocks in front of the 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, please make sure the vehicle battery is fully charged and the connection to the vehicle DLC (Data Link Connector) is clear and secure.
- 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, free from oil, water or grease. Use a mild detergent on a clean cloth to clear the outside of the equipment when necessary.
- Keep clothing, hair, hands, tools, test equipment, etc. away from all moving or hot engine parts.
- Store the tool and accessories in a locked area out of the 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.
- 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 avoid damage to the sensors or the 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 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 ICs inside the ECU, can be damaged.

FCC Statement

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 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.

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1 Introduction

1.1 Product Profile

This tool is a new Android-based vehicle diagnostic tool. It is characterized by featuring powerful functions, and providing precise test result.

Through Bluetooth communication between the VCI (Vehicle Communication Interface) and display tablet, it achieves full car model and full system vehicle trouble diagnosis, which include Reading DTCs, Clearing DTCs, Reading Data Stream, Actuation Test and Special Functions.

It mainly has the following features and advantages:

- Diagnose: AutoDetect and manual diagnosis are available.
- I/M Readiness: I/M refers to Inspection and Maintenance that is legislated by the Government to meet federal clean-air standards. I/M Readiness indicates whether or not the various emissions-related systems on the vehicle are operating properly and are ready for Inspection and Maintenance testing.
- Tech 2 Tech: This option aims to help repair shops or technicians launch instant messaging and remote diagnosis, making the repair job getting fixed faster.
- One-click Update: Lets you update your diagnostic software online.
- Diagnostic feedback: Enables you to submit the vehicle issue to us for analysis and troubleshooting.
- Diagnostic History: This function provides a quick access to the tested vehicles and users can choose to view the test report or resume from the last operation, without starting from scratch.
- Vehicle Coverage: Quick dial to view the vehicle models that the tool covers.
- Add-on modules: TPMS, ADAS calibration, Videoscope, BST360 battery tester, Immobilizer Programmer and Mall are available to extend the functions of the diagnostic tool.

1.2 Package List

The following accessory items are only for reference. Please consult from the

local agency or check the package list supplied with the tool together.

No.	Item	Descriptions	Qt.
1	Display tablet	Indicates the test result.	1
2	VCI	Collects vehicle data and sends it to the tablet for analysis.	1
3	VCI extension cable	Connects the VCI to the OBD II vehicle's DLC.	1
4	Power adaptor	For charging the tablet via AC outlet.	1
5	Type A to Type B data cable	Connects the VCI module to the tablet to perform vehicle diagnosis.	1
6	Type A to Type C data cable	Connects the tablet to a PC to exchange data.	1
7	Password envelope	A piece of paper bearing the product Serial Number and Activation Code for product registration.	1
8	Quick Start Guide	A quick reference guide to product operations.	1
9	Non-16pin adaptor cable kit	For different vehicle diagnostic sockets, it may be necessary to use one of the adapter cables included within the kit. For detailed adapter cables, please check the package box.	1

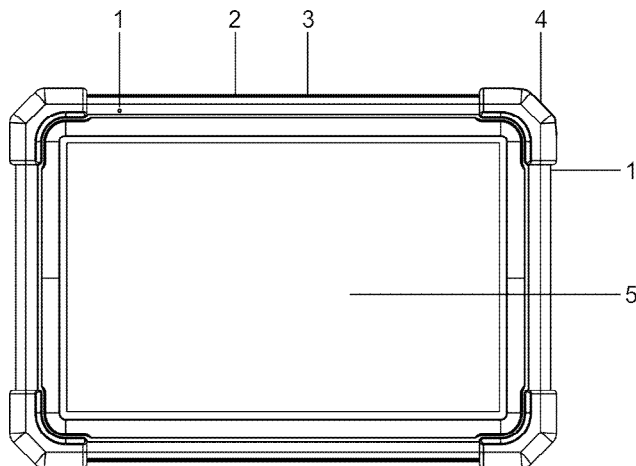
2 Components & Controls

There are two main components to the diagnostic system:

- Display tablet – the central processor and monitor for the system (See Chapter 2.1).
- VCI – the device for accessing vehicle data (See Chapter 2.2).

2.1 Display Tablet

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



1. Microphone

2. Type-A USB Port

- Connect to the VCI connector to perform vehicle diagnosis via the USB 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 Key

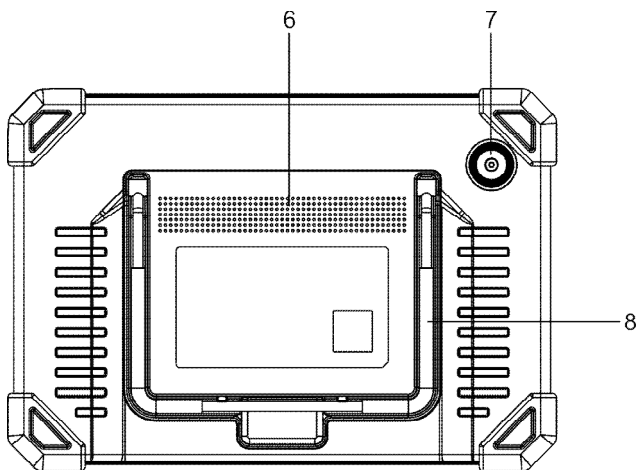
In Off mode, press it for 3 seconds to turn the tablet on.

In On mode:

- Press it once to activate the LCD if the LCD is off. Press it once to turn off the LCD if the LCD lights up.
- Press and hold it for 3 seconds to turn it off.
- Press and hold it for 8 seconds to perform forced shutdown.

5. LCD Screen

Indicate the test result.



6. Speakers

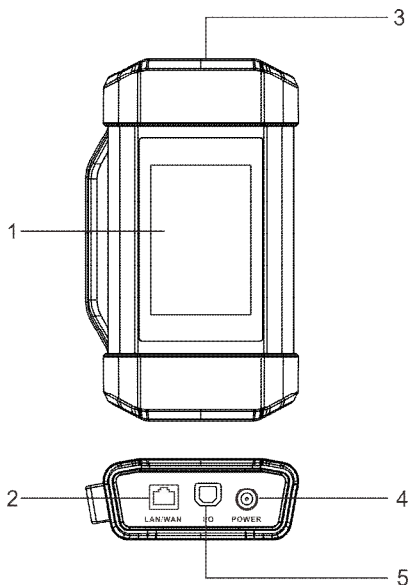
7. Rear Camera

8. Adjustable stand

Flip it out to any angle and work comfortable at your desk, or hang it on steering wheel.

2.2 SmartLink C Device

The SmartLink C device works as a vehicle communication interface device. It is used to read the vehicle data and then send it to the tablet via wireless (BT) communication or data cable connection.



1. Touch screen

2. LAN/WAN port


Connect the SmartLink C device to the Internet via the crossover cable. It only applies to the SmartLink Super Remote Diagnostics.

3. OBD-16 diagnostic connector

Connect the SmartLink C device to the vehicle's DLC (Data Link Connector) port via the OBD II extension cable.

4. DC-IN power jack

Currently disabled and for manufacturer use only.

 Warning: The SmartLink C device obtains power through the vehicle's DLC, and it is prohibited to connect to an external DC power supply. No responsibility can be assumed for any damage or loss caused as a result of not strictly following the above method.

5. Data I/O port

Connect the SmartLink C device to the tablet to perform vehicle diagnosis.

2.3 Technical Specifications

1. Display tablet

Operating system: Android

Memory: 4GB

Storage: 64GB

Screen: 10.1 inch capacitive touch screen with a resolution of 1280 x 800 pixels

Camera: Rear-facing 8.0MP camera

Connectivity

- Wi-Fi (802.11a/b/g/n/ac)
- Bluetooth

Working temperature 0°C ~ 50°C

Storage temperature -20°C ~ 70°C

2. VCI

Size: 204mm x 110mm x 45mm

Working voltage: DC 9~36V

Power consumption: ≤ 6W


Communication: Bluetooth/Wi-Fi or data cable connection


Working temperature: 0°C ~ 50°C

3 Initial Use

3.1 Charging & Turning On

1. Use the included power adaptor to charge the tablet.
2. After charging is complete, press the POWER button to turn the tablet 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. Please charge it for a period of 5 minutes and then turn it on.


 **Warning:** Please use the included power adaptor to charge your tool. No responsibility can be assumed for any damage or loss caused as a result of using power adaptors other than the one supplied.


Press [POWER] for 3 seconds, an option menu will pop up on the screen. Tap **Power off** to turn the tool off.


3.2 Screen Layout


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

 **Home:** Navigates to the Android's home screen.

 **Recent App:** Views the recently launched applications and running applications.

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

 **Screenshot:** Captures the current screen.

 **Back:** Returns to the previous screen.

3.3 Basic Gestures



Single-tap: To select an item or launch a program.



Double-tap: To zoom in so that the text on a webpage appears in a column that fits your device's screen.



Long press: Tap and hold on the current interface or area until a contextual menu pops up on the screen, and then release it.



Slide: To jump to different pages.



Drag: Tap the application icon and drop it to other location.



Spread apart/pinch together: To zoom in manually, place two fingers on the screen and then spread them apart. To zoom out, place two fingers apart on the screen and then pinch them together.

3.4 Change System Language

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 -> Language & 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.

3.5 Adjust Brightness



Note: Reducing the brightness of the screen is helpful to conserve the battery power.

1. On the home screen, tap **Settings -> Display -> Brightness level**.
2. Drag the slider to adjust it.

3.6 Set Standby Time

If no activities are made within the defined standby period, the screen will be

locked automatically and the system enters sleep mode to save power.

1. On the home screen, tap **Settings -> Display -> Advanced -> Sleep**.
2. Choose the desired sleep time.

3.7 Network Setup

The tablet has built-in Wi-Fi that can be used to get online. Once you're online, you can register your tool, surf the Internet, get apps, send email, launch the remote diagnosis, and check for software updates etc.

1. On the home screen, tap **Settings -> Network & Internet -> WLAN**.
2. Slide the Wi-Fi switch to ON, the tablet starts searching for available wireless networks.
3. Select a wireless network,
 - If the chosen network is open, the tablet will connect automatically.
 - If the selected network is encrypted, a network password will need to be entered.
4. When **Connected** appears, it indicates the Wi-Fi connection is complete.

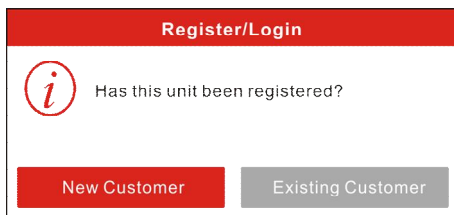


Note: When Wi-Fi is not required, this should be disabled to conserve battery power.

4 Getting Started

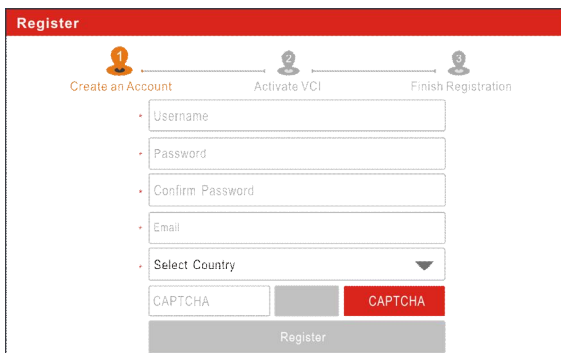
4.1 Register & Update

On the home screen, tap the application icon to launch it, a dialog box similar to the following will pop up on the screen:



The dialog box has a red header with the text "Register/Login". Below the header is an information icon (a lowercase 'i' in a red circle) followed by the text "Has this unit been registered?". At the bottom, there are two buttons: a red button labeled "New Customer" and a grey button labeled "Existing Customer".

- A. If you are a new user and want to register your tool directly, tap **New Customer** to start your sign-up.



The "Register" form has a red header with the text "Register". Below the header is a progress indicator with three steps: "Create an Account" (with a yellow circle containing the number 1), "Activate VCI" (with a grey circle containing a person icon), and "Finish Registration" (with a grey circle containing a person icon). The form contains the following fields:

- Username
- Password
- Confirm Password
- Email
- Select Country (with a dropdown arrow)
- CAPTCHA (with a grey button labeled "CAPTCHA" and a red button labeled "CAPTCHA")
- Register (with a grey button)

- a) Create App Account: Fill in the information in each field (Items with * must be filled). After inputting, tap **Register**, a screen similar to the following will appear:

Register

Create an Account — **2 Activate VCI** — Finish Registration

Serial Number

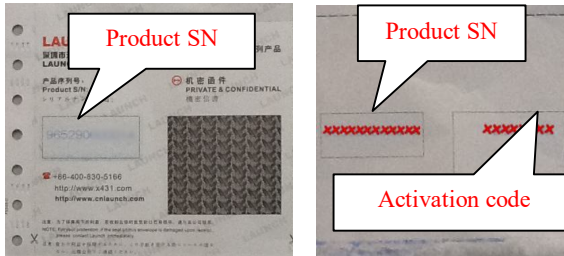
Activation Code

Where is my activation code?

Activate

>> Skip

- b) **Activate VCI:** Input the Serial Number and Activation Code, which can be found in the password envelope.



Note: To exit and activate it later, tap **Skip**. In this case, please activate the VCI by tapping **Profile** -> **VCI Management** -> **Activate VCI**. For details, please refer to Chapter 10.1.

Tap **Activate** to finish the registration process.

Register

Create an Account — Activate VCI — **3 Finish Registration**


Congratulations! You have registered successfully. Do you download vehicle software now?

Yes

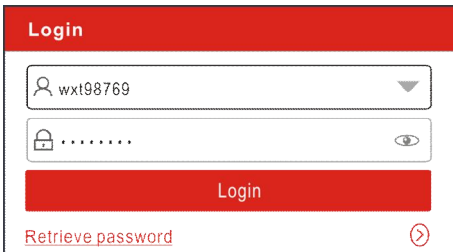
No

- c) **Finish Registration:** To download the diagnostic software, tap **Yes** to navigate to the download page. Tap **No** to download and install it later.

On the download page, tap **Update** to start downloading. To pause downloading, tap **Stop**. To resume it, tap **Continue**. Once download is complete, the system will install the software package automatically.

 Note: In process of download, please make sure the tablet has a strong Wi-Fi signal. It may take several minutes to finish it, please be patient to wait.


B. If you have registered to be a member, tap **Existing Customer**, a screen similar to the following appears:



(If you have registered to be a member, go to **a**) to login the system directly.)

(In case you forgot password, refer to **b**) to reset a new password.)

a) If you have registered to be a member, input your name and password, and then tap the **Login** button to enter the main menu screen directly.

 Note: The tablet has an auto-save function. Once the username and password are correctly entered, the system will automatically store it. Next time you login the system, you will not be asked to input the account manually.

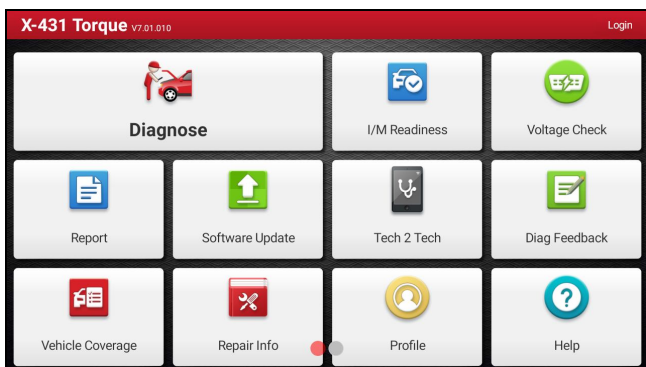
b) If you forgot the password, tap **Retrieve password** and then follow on-screen instructions to set a new one.

4.2 Job menu

There are 2 function modules available on the tablet: Diagnostics and Toolbox. Swipe in from the left/right edge of the screen to switch between function modules.

4.2.1 Diagnostics

It mainly includes the following items:



Name	Description
Diagnose	Configures the tablet as a professional diagnostic tool.
I/M Readiness	I/M Readiness indicates whether or not the various emissions-related systems on the vehicle are operating properly and are ready for Inspection and Maintenance testing.
Voltage Check	Performs a check of the vehicle's battery to ensure the system is operating within acceptable limits.
Report	Views Health report, ADAS reports, Remote report, ROXIE Reports and Recorded Data.
Software Upgrade	Updates vehicle diagnostic software and APK.
Tech 2 Tech	This option aims to help repair shops or technicians launch instant messaging and remote diagnosis, making the repair job getting fixed faster.
Diag Feedback	To feed back the recent 20 diagnostic logs to us for issue analysis.
Vehicle Coverage	To view all the vehicle models that the tablet covers.
Repair Info	Provides quick access to various authorized automotive repair database.

Profile	To manage VCI, reports, change password, configure printer, system settings and logout etc.
Help	Includes customer service phone and email, training videos, FAQ and user manual of add-on modules.

4.2.1 Toolbox

It mainly includes the following items:

Name	Description
TPMS	Configures this tool as a professional TPMS (Tire Pressure Monitoring System) service tool. It needs to work with the TSGUN device (sold separately) to perform all kinds of various TPMS functions.
ADAS	This module allows you to perform ADAS (Advanced Driver Assistance System) calibration operations. It needs to work with the specific ADAS calibration tool (sold separately).
Videoscope	This module allows you to check those unseen parts of engine, fuel tank, braking system. It needs to work with the compatible Videoscope device (sold separately).
BST360	This module allows you to fix battery detection faster and easier. It needs to work with the specific Bluetooth battery tester (sold separately).
Immo 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).
Mall	Subscribe some extra software or service functions that are not included in the diagnostic tool online.

4.3 Connections

4.3.1 Preparation

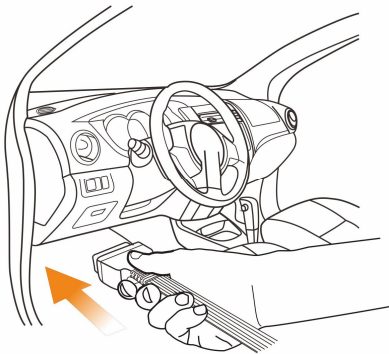
1. Make sure that the vehicle battery voltage is 11~36V and the ignition is turned on.
2. Find the vehicle's DLC location: The DLC (Data Link Connector) is typically a standard 16 pin connector where diagnostic tools interface with the vehicle's on-board computer. For commercial vehicles, it is generally located in the driver's cab.

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

4.3.2 Vehicle connection

The method used to connect the VCI device to a vehicle's DLC depends on the vehicle's configuration as follows:

- A. OBD II Vehicle Connection: Plug one end of the diagnostic cable into the vehicle's DLC, and the other end into the diagnostic socket of the VCI device, and then tighten the captive screws.



- B. Non-OBD II Vehicle Connection: For vehicles with non-OBD II diagnostic socket, a non-16pin connector (adaptor cable) is required.



4.4 Communication Setup

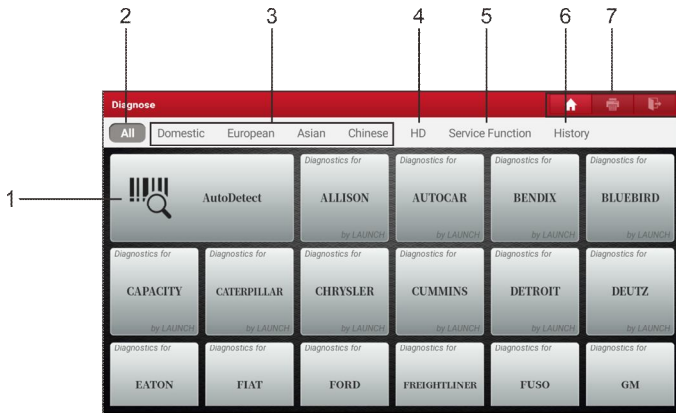
After the VCI device is successfully activated and powered on, the VCI device will pair with the tablet automatically. Users have no need to make any setting any more.

Once the communication failure occurs, the diagnostic app will pop up some prompt information. In this case, just follow the on-screen prompts to troubleshoot all possible causes.

5 Diagnosis

Three methods are available for vehicle diagnosis: Smart Diagnosis (AutoDetect), Manual Diagnosis and Tech to Tech Remote Diagnosis.

Tap **Diagnose** on the Job Menu to enter the Diagnose main menu.



1. Auto Detect: Obtains vehicle data from the cloud server to perform quick test via reading VIN, to avoid various defects resulting from step-by-step menu selection.
2. All Tab: Displays all the vehicle makes in the vehicle menu.
3. Vehicle region buttons: Tap different buttons to switch to corresponding vehicles.
4. HD: Displays all the vehicle makes that are subscribed in the Mall.
5. Service Function: Quick access to the special function of the diagnostic menu of the vehicle.
6. History: Generally once a vehicle diagnosis is performed, the tablet will record the every details of diagnostic session. The History function provides direct access to the previously tested vehicles and users can resume from the last operation, without starting from scratch. Refer to Chapter 5.4 for details.

7. Diagnostics toolbar: contains a number of buttons that allow you to print the displayed data or make other controls. It is displayed on the upper right corner of the screen and goes through the whole diagnostic session. Below provides a brief description for the operations of the diagnostics toolbar buttons:



Home: Returns to Job menu screen.



Print: Print the current screen. To perform printing, you need to purchase an extra Wi-Fi printer manufactured by LAUNCH or other manufacturers separately and then properly configure the wireless printer following the steps described in Chapter 10.8.3.



Exit: To exit the diagnostic application.

5.1 Smart Diagnosis (AutoDetect)

Through simple Bluetooth communication between the display tablet and VCI, you can easily get the VIN (Vehicle Identification Number) information of the currently identified vehicle. Once the VIN is successfully identified, the system will retrieve it from the remote server and then guide you to vehicle information page without step-by-step manual menu selection.

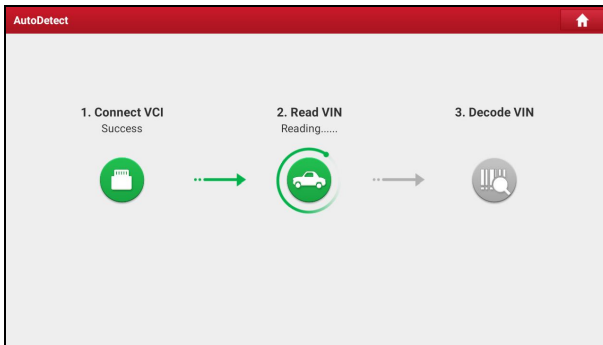
The vehicle information page lists all historical diagnostic records of the vehicle, which lets the technician have a total command of the vehicle faults. In addition, a quick dial to local diagnosis and diagnostic function are also available on this page for reducing the roundabout time and increasing productivity.



Note: Before using this function, please make sure the VCI is properly connected to the vehicle's DLC. For detailed connection, see Chapter 4.3.

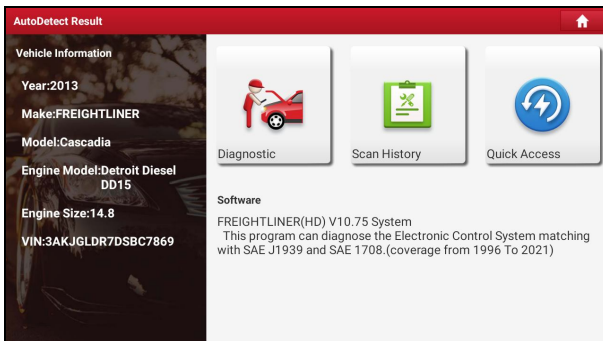
Follow the steps below to proceed.

1. Tap **AutoDetect** on the Diagnose main menu screen.

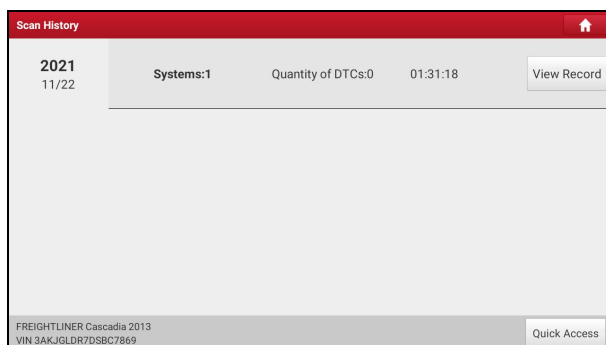


2. Once pairing is complete, the tablet starts reading the vehicle VIN.

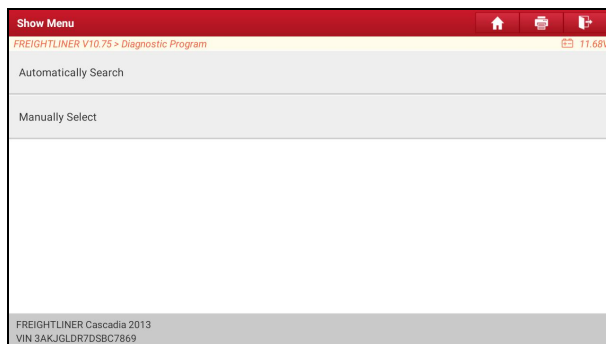
A. If the VIN can be found from the remote server database, the following screen will appear.



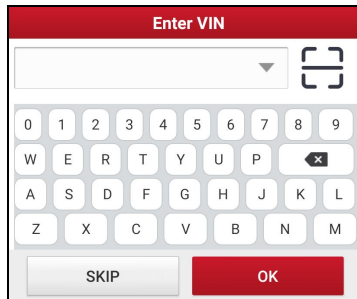
- Tap **Diagnostic** to start a new diagnostic session.
- Tap **Scan History** to view its historical repair record. If there are records available, it will be listed on the screen in sequence of date.




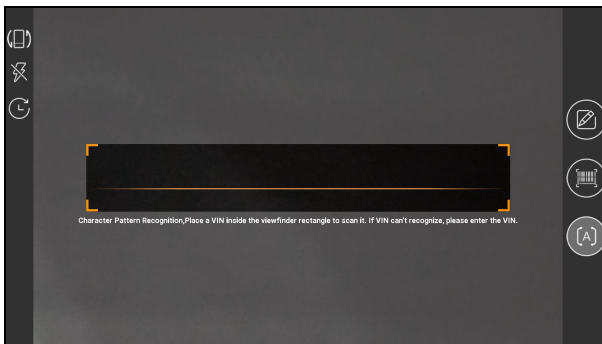
- To perform other functions, tap **Quick Access** to directly go to the function selection screen. Choose the desired one to start a new diagnostic session.







- B. If the tablet failed to access the VIN information, the following screen will appear:





- Tap the input field to directly, tap **OK**. If the VIN exists on the remote server, the system will enter the diagnostic function selection screen.
- Tap  to launch the VIN recognition module.



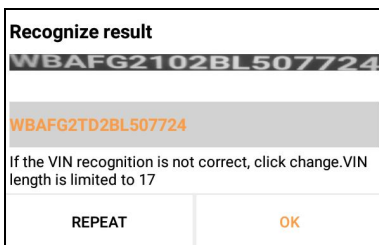
Place the VIN inside the viewfinder rectangle to scan it. The most recognizable location for this number is in the top left corner on the vehicle's dashboard. Other locations include the driver's door or post, and the firewall under the hood.

- Tap  to switch the display mode of the screen.
- Tap  to turn the camera flash on.
- Tap  to choose it from the record list if the VIN of the vehicle has been scanned before.
- Tap  to input the VIN manually if the tablet has failed to identify the VIN

of the vehicle.

- Tap  to scan the VIN barcode. If the VIN barcode cannot be recognized, please manually input the VIN.
- Tap  to scan the VIN character. If the VIN character cannot be recognized, please manually input the VIN.

After scanning, the screen will automatically display the result.



- If the VIN scanned is incorrect, tap the result field to modify it and then tap **OK**.
- To scan it again, tap **REPEAT**.

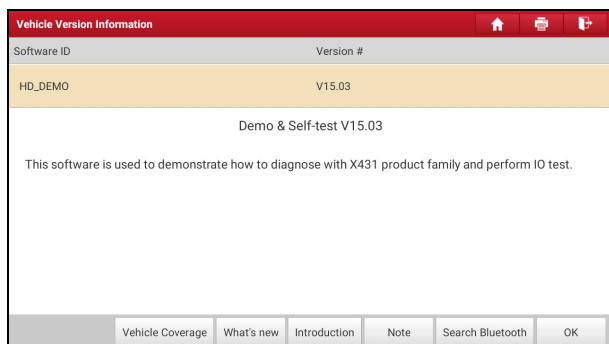
If the VIN exists on the remote server, the system will enter the diagnostic function selection screen.

5.2 Manual Diagnosis

In this mode, you need to execute the menu-driven command and then follow the on-screen instruction to proceed.

Take Demo as an example to demonstrate how to diagnose a vehicle.

- 1). Select diagnostic software version: Tap the **HD_DEMO** to go to Step 2.



On-screen Buttons:


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

What's new: Tap to view the optimized items and enhancements.

Introduction: Tap to check the software function list.

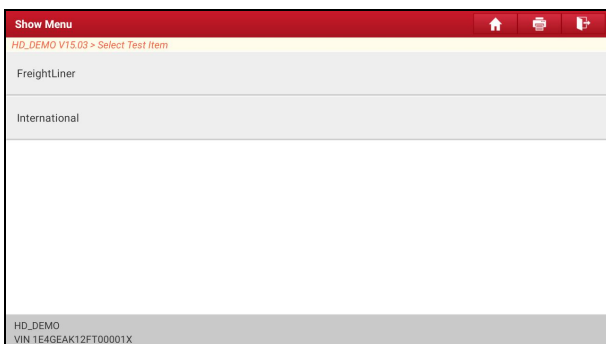
Note: Tap to read some precautions on using the current diagnostic software.

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

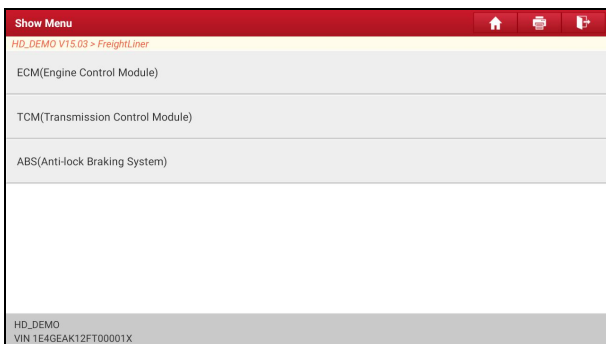
 Note: No Bluetooth connection is required for DEMO program.

OK: Tap it to go to next step.

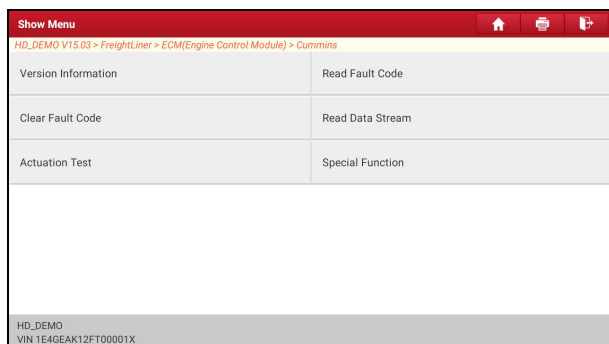
- 2). **Select vehicle model (varies with different versions):** Select the desired vehicle model. Here we take **FreightLiner** for example to demonstrate how to diagnose a vehicle.




- 3). Select test system: Select the desired system. Take **ECM (Engine Control Module)** -> **Cummins** for example.



- 5). Select test function: Select the desired diagnostic function to proceed.




 Note: Different vehicle has different diagnostic menus.

5.2.1 Version Information

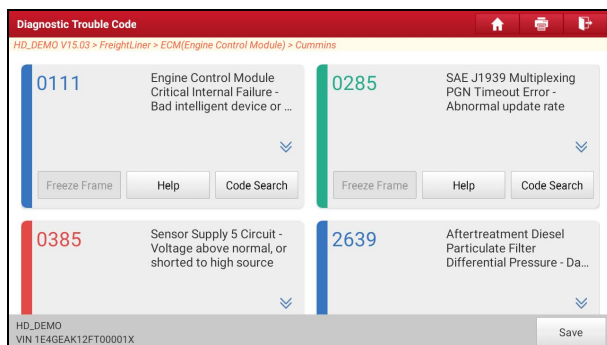
This function is used to read the version information of system mode, vehicle VIN, software and ECU.

5.2.2 Read Fault Code

This function displays the detailed information of DTC records retrieved from the vehicle's control system.

 **Warning:** Diagnostic Trouble Codes or Fault Codes can be used to identify which engine systems or components that are malfunctioning. 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.

On the diagnostic function selection screen, tap **Read Fault Code**, the screen will display the diagnostic result.




On-screen Buttons:

Freeze Frame: When an emission-related fault occurs, certain vehicle conditions are recorded by the on-board computer. This information is referred to as freeze frame data. Freeze frame data includes a snapshot of critical parameter values at the time the DTC is set.

Help: Tap to view the help information.


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

Save: Tap to save the diagnostic result as a health report.

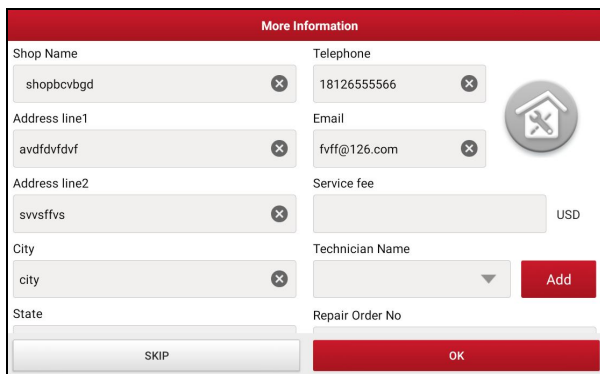
 Note: Diagnostic report is classified into three categories: Pre-Repair report,

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 easier identification.

Tap ▼ to select the report type from the option list and input the required information, and then tap **OK**.

 Note: To facilitate the comparison of the pre-repair and post-repair reports and get accurate test result, please make sure you saved the right type of the diagnostic report.

To save the report as a common diagnostic report, select **Diagnostic Scan**.



More Information	
Shop Name shopbcvbgd	Telephone 18126555566
Address line1 avfdvfdvf	Email fvff@126.com
Address line2 svvsffvs	Service fee USD
City city	Technician Name Add
State	Repair Order No
SKIP	OK

For workshop information, tap the input box to enter it. Alternatively you can also set it in **Profile -> Settings -> Shop Information**.

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


To ignore the workshop information, tap **Skip** to go to the report details screen.

On the report details screen, tap **OK** to save it. All reports are saved in **Report -> Health Reports**.


5.2.3 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 performing this function, make sure the vehicle's ignition key is in the ON

position with the engine off.


 Note: Clearing DTCs does not fix the problem(s) that caused the code(s) to be set. If proper repairs to correct the problem that caused the code(s) to be set are not made, the code(s) will appear again and the check engine light will illuminate as soon as the problem that cause the DTC to set manifests itself.


On the diagnostic function selection screen, tap **Clear Fault Code** and then tap **YES**, the system will automatically delete the currently existing trouble code.

 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.

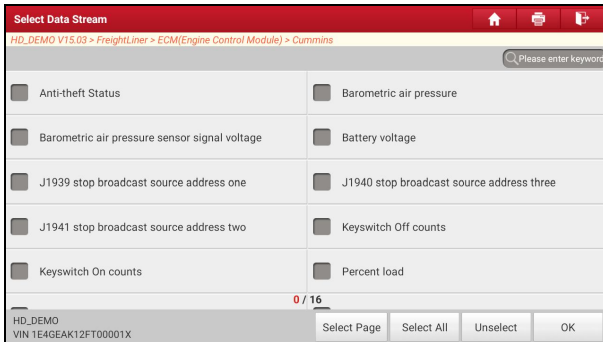
5.2.4 Read Data Stream

This option lets you view and capture (record) real-time Live Data. 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.

 **Danger:** If you must drive the vehicle in order to perform a troubleshooting procedure, always have a second person help you. Trying to drive and operate the diagnostic tool at the same time is dangerous, and could cause a serious traffic accident.

 Note: The real time (Live Data) vehicle operating information (values/status) that the on-board computer supplies to the tool for each sensor, actuator, switch, etc. is called Parameter Identification Data (PID).

On the diagnostic function selection screen, tap **Read Data Stream**, the following screen will appear.



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 data stream reading page.

Name	Value	Standard Range	English	Metric
Anti-theft Status	-			
Barometric air pressure	25.2	15 - 75	psi	
Barometric air pressure sensor signal voltage	9.12	5 - 25	V	
Battery voltage	9.12	5 - 25	V	
J1939 stop broadcast source address one	10752 (1 / 1)		count	

Notes:

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

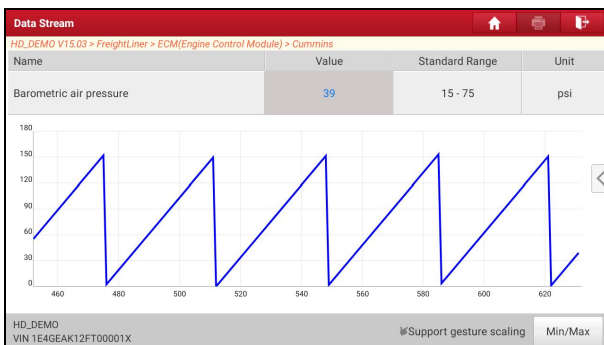
- The indicator 1/X shown on the bottom of the screen stands for the current page/total page number. Swipe the screen from the right/left to advance/return to the next/previous page.

There are 3 types of display modes available for data viewing, allowing you to view various types of parameters in the most suitable way.

- ✓ **Value** – This is the default mode which displays the parameters in texts and shows in list format.
- ✓ **Graph** – Displays the parameters in waveform graphs.
- ✓ **Combine** – This option is mostly used in graph merge status for data comparison. In this case, different items are marked in different colors.

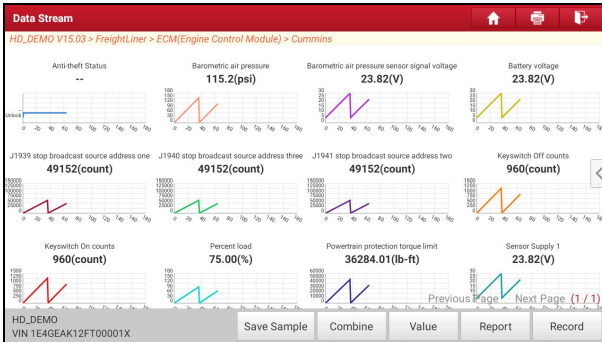
On-screen Buttons:

 **Graph(Single):** Tap to view the parameter in waveform graph.



- **Min/Max:** Tap to define the maximum / minimum value. Once the value goes beyond the specified value, the system will alarm.

Graph: Tap to view the parameters in waveform graphs.




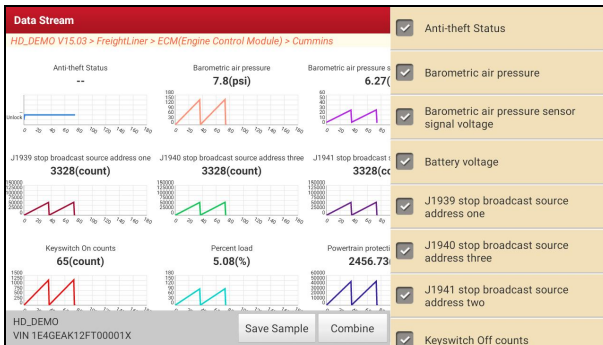
- Combine:** This option is mostly used in graph merge status for data comparison. In this case, different items are marked in different colors (maximum 4 items can be displayed on the same screen simultaneously). If the graph is more than one page, swipe the screen from the left to jump to the next page.

The screenshot shows the 'Data Stream' selection menu. It has a red header and a table with two columns: 'Name' and 'Value'. To the right of the table is a list of items with checkboxes. The items are:

- Anti-theft Status
- Barometric air pressure
- Barometric air pressure sensor signal voltage
- Battery voltage
- J1939 stop broadcast source address one
- J1940 stop broadcast source address three
- J1941 stop broadcast source address two


 At the bottom left, the VIN 'HD_DEMO VIN 1E4GEAK12FT00001X' is visible. At the bottom right, there is a 'Value' button. A note at the top right says 'Maximum 4 data streams can be selected.'






- Value:** Switches the current graph display mode to the Value display mode.
- Customize:** Tap , a pull-down list of the data stream items appears on the screen. Select / deselect the desired items, and then screen will display / remove the waveforms corresponding to these items immediately.



Compare Sample: Tap to select the sample DS file.

All the values you customized and saved in process of DS sampling will be imported into the **Standard Range** (See below) column for your comparison.

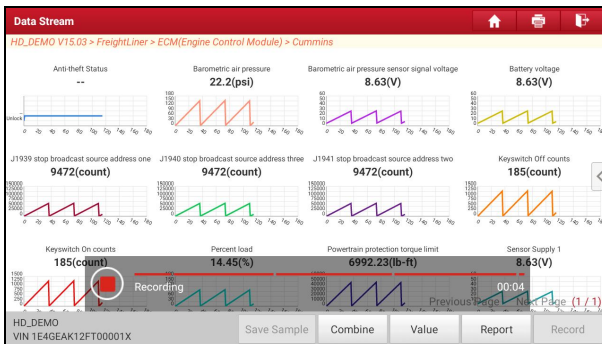
 **Note:** Before executing this function, you have to sample the values of data stream items and save it as a sample Data Stream file.


Data Stream				
Name	Value	Standard Range(Sample)	English	Metric
Anti-theft Status	--			
Barometric air pressure	117.6	0.6 - 120	psi	
Barometric air pressure sensor signal voltage	24.22	8.01 - 23.51	V	
Battery voltage	24.22	12.01 - 30.51	V	
J1939 stop broadcast source address one	50176 (1 / 1)	216 - 64000	count	

At the bottom of the table, there are buttons: Compare Sample, Save Sample, Graph, Report, and Record.

Report: Tap to save the current data in text format. All reports are saved in **Report -> Health Reports**.


Record: Tap to start recording diagnostic data. Recorded live data can serve as valuable information to help you in troubleshooting of vehicle problems.

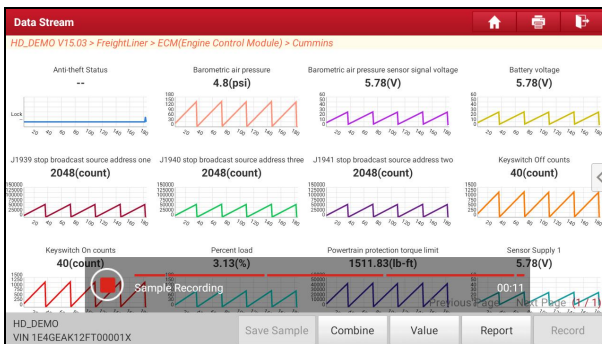



Tap  to end recording and save it. The saved file follows the naming rule: It begins with vehicle type, and then the product S/N and ends with record starting time (To differentiate between files, please configure the accurate system time).

All diagnostic records can be replayed from **Report -> Recorded Data**.

Save Sample: This item enables you to customize the standard range of live data stream items and save it as DS sample file. Each time you run the data stream items, you can call out the corresponding sample data to overwrite the current standard range.

Tap it to start recording the sample data  Note: Only data stream items with measurement units will be recorded), the following screen will appear:



Once the recording process is complete, tap  to stop it and navigate to the

data revision screen.

Confirm Sample DS			
HD_DEMO V15.03 > FreightLiner > ECM(Engine Control Module) > Cummins			
Name	Min Value	Max Value	Unit
Barometric air pressure	4.0	1000.0	Kpa
Barometric air pressure sensor signal voltage	5.01	29.51	V
Battery voltage	5.01	29.51	V
J1939 stop broadcast source address one	256.0	64000.0	count
J1940 stop broadcast source address three	256.0	64000.0	count
HD_DEMO VIN 1E4GEAK12FT0001X			Save

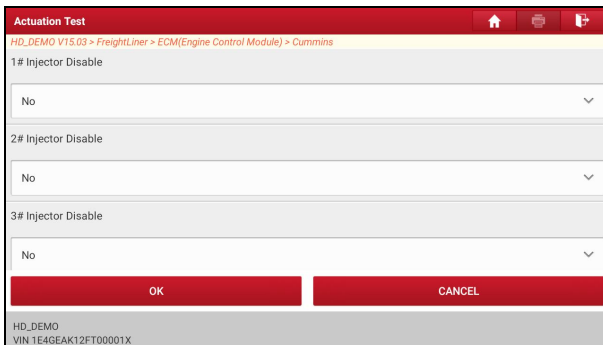
Tap the Min./Max. value to change it. After modifying all desired items, tap **Save** to save it as a sample DS file. All DS files are stored in **Profile -> Data Stream Sample**.

5.2.5 Actuation Test

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

During the actuation test, the display tablet 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 a injector between two operating states.

On the diagnostic function selection screen, tap **Actuation Test**, the system will display as follows:



Simply follow the on-screen instructions and make appropriate selections to complete the test.

Each time when an operation is successfully executed, *Completed* displays.

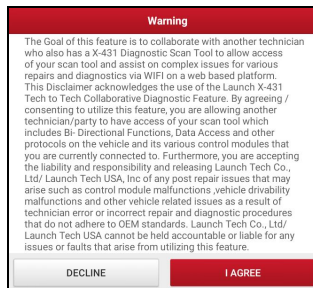
5.2.6 Special Function

In addition to amazing & powerful diagnostic function, the tool also features various reset functions, which varies from vehicle to vehicle.

5.3 Tech 2 Tech

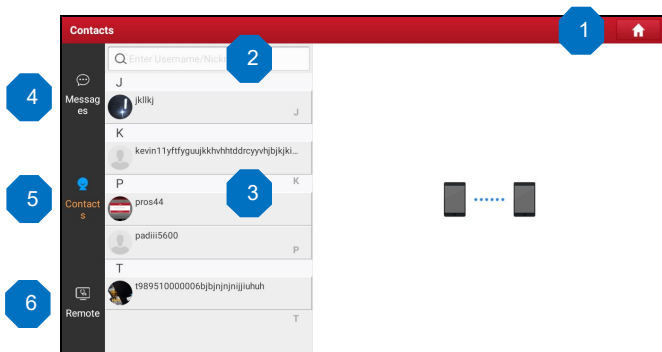
This option aims to help repair shops or technicians launch instant messaging and remote diagnosis, making the repair job getting fixed faster.

Tap **Tech 2 Tech** on the Job menu, a disclaimer page will pop up on the screen:



Tap **I AGREE** to enter the Contact page. The screen appears blank by default.

5.3.1 Interface Layout



1. Home button

Tap it to navigate to the Job menu screen.

2. Search bar

Directly input the registered username of the tool to start searching, and then tap the desired one to add it into your friend list.

3. Friend list display area

By default it appears blank.

4. Messages tab

Once an incoming message reaches, a red dot will appear on the upper right corner of the tab.

5. Contacts tab

Tap to enter the friend list.

6. Remote switch

Tap to slide the switch to ON, the tool keeps online and becomes accessible on the web client. In this case, inform the technician of your product S/N, and he/she will control your device remotely.

5.3.2 Add Friends

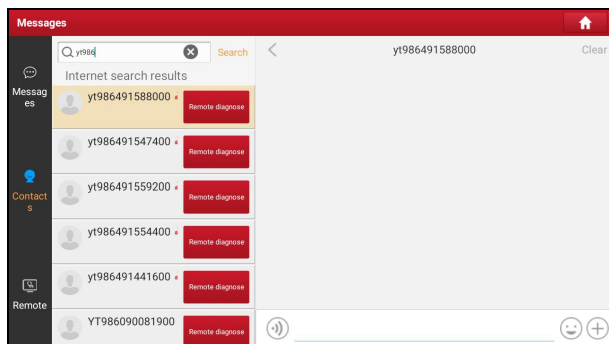
Tap **Contacts** to enter the contact page. By default it appears blank.

In the search bar, input the partner's username and tap **Search** button next to the search bar to start searching from Launch's golo business database.

The partner must be the users who have registered their Launch's diagnostic tools. They may be the following roles:

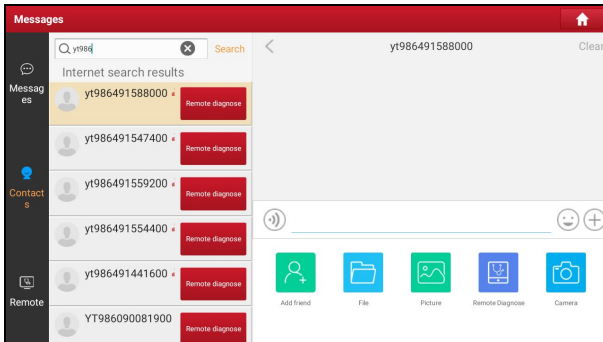
- Workshop
- Technician
- golo users

Once the result matches the keyword, a screen similar to the following will appear:



Here you can tap **Remote Diagnose** to launch remote diagnostics directly or choose to add the partner into the Contacts list.

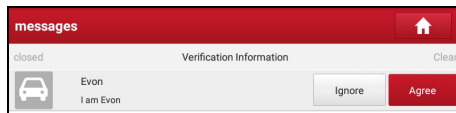
Tap the desired name from the list, an option list will appear on the screen.




Tap **Add friend** to send your request.

Once the partner receives the request, a beep will sound. Tap the **Message** tab:

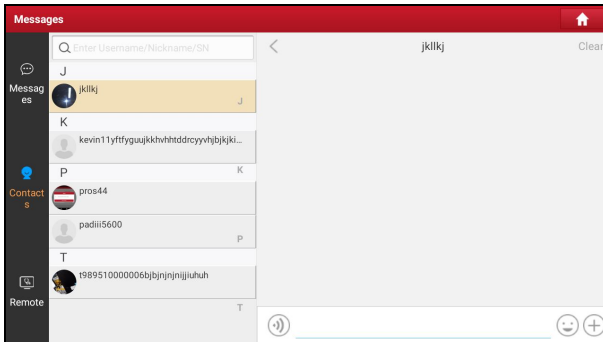
- Once the partner agreed your request, he/she will automatically be listed in the Contact tab.
- If a technician sent you a friend request, tap **Agree** to confirm and his/her name will appear in the friend list (Contact). Or tap **Ignore** to ignore this request.




5.3.3 Start Instant Messaging


 Note: The I/M (Instant Messaging) function is open to all users who had Launch's diagnostic tool equipped with this module.


After adding your friends, tap the desired one's photo to enter the following screen:

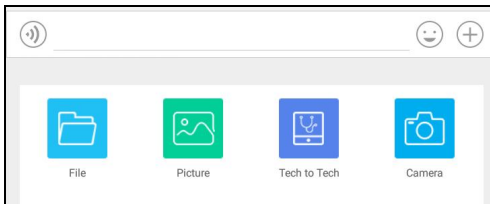


Tap the input field and use the on-screen keyboard to enter the text message, and then tap **Send** to send it.

Tap  to send the voice message.

Tap  to send the emoji.

Tap  to call out more function options.




- **File:** Choose diagnostic reports or local files to send.
- **Picture:** Choose screenshots or pictures to send.
- **Tech to Tech:** To start a remote diagnostic session. For details, refer to Chapter 5.3.4.
- **Camera:** Open camera to take pictures.

Tap **Clear** to delete all the partner's dialog logs.

5.3.4 Launch Remote Diagnosis (Device-To-Device)

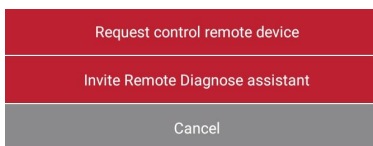
The display tablet is allowed to launch remote diagnosis with other diagnostic tools (including but not limited to the X-431 Torque series) of Launch family,

which are equipped with this module.



 Note: Before performing this operation, please make sure the following no matter which side sends the remote request:

- Turn on the vehicle power supply.
- Throttle should be in a closed position.
- The tablet should be properly connected to the vehicle's DLC and a successful communication is required.

On the function option selection screen, tap **Tech to Tech**, a pull-down menu including the following options appears:



These options are defined as follows:

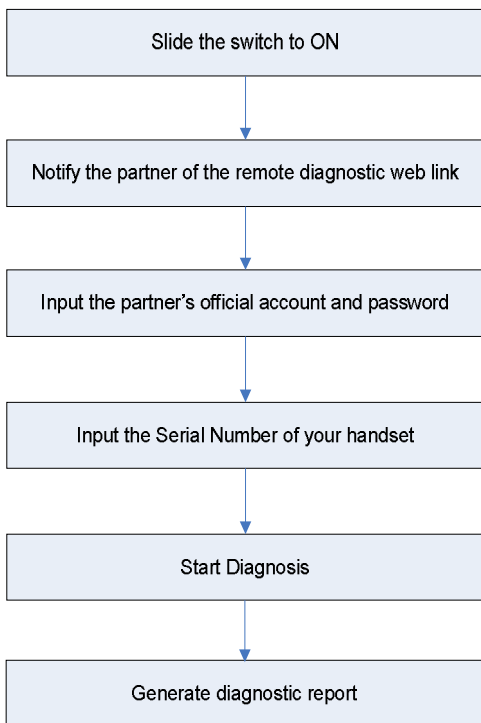
Actions	Results
<p>Request control remote device</p>	<p>Request to control the partner's device remotely to help him diagnose the vehicle.</p> <p> Notes:</p> <ul style="list-style-type: none"> • In process of remote diagnosis, tap the  button to send a voice message. • Once vehicle diagnosis is complete, a report will be created. Input your comments on this report, and then tap Send Report to send it to the partner.

	<pre> graph TD A[Tap "Request control remote device"] --> B[Wait for partner's confirmation] B --> C[Start connecting after request confirmed] C --> D[Start Diagnosis] D --> E[Generate diagnostic report] </pre>
<p>Invite remote diagnostic assistant</p>	<p>Use this option to invite a technician to perform a remote control on your tool.</p> <p> Notes:</p> <ul style="list-style-type: none"> • In process of remote diagnosis, tap the button to send voice message. • Once you received the report from the partner, tap View Report to view details. All diagnostic reports are saved in Report -> Remote Reports.

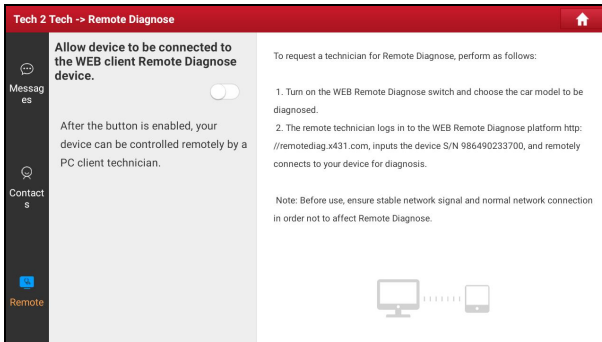
	<pre>graph TD; A[Tap "Invite remote diagnostic assistant"] --> B[Choose the desired diagnostic software]; B --> C[Wait for partner's confirmation]; C --> D[Start connecting after request confirmed]; D --> E[Start Diagnosis]; E --> F[Generate diagnostic report];</pre> <p>The flowchart illustrates the steps for using the remote diagnostic assistant. It begins with tapping the 'Invite remote diagnostic assistant' option, followed by selecting the desired diagnostic software. The user then waits for a confirmation from the partner. Once confirmed, the connection starts, and the diagnosis begins. Finally, a diagnostic report is generated.</p>
Cancel	To cancel this operation.

5.3.5 Launch Remote Diagnosis (Device-To-PC)


Except that the remote diagnosis can be done between different Launch's diagnostic tools that come loaded with the module, user also can ask for remote control from PC client technician.



Tap the **Web Remote** tab, the screen displays as follows:





1. Slide the switch *Allow device to be connected to the WEB client remote diagnostic device* to ON so that the partner can find and connect to this device while using the PC.
2. Notify the partner of the PC client website <http://remote.x431.com>. When the partner accesses the link, the PC displays as below:

 Note: Before processing remote diagnosis, please make sure the display tablet is properly connected to the vehicle.

Real-time remote full system diagnosis

[Login](#) Register





Remember Me [Forget Password?](#)

Login

3. Tell the partner to input his own official technician account and password, and then tap **Login** to navigate to the following figure.

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

Start remote diagnosis

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

4. Tell the partner to check the box *Series number* and enter the Serial Number provided by you, and then tap **Start remote diagnosis** to control your device remotely.

In process of remote diagnosis, please note the following things:

- 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.

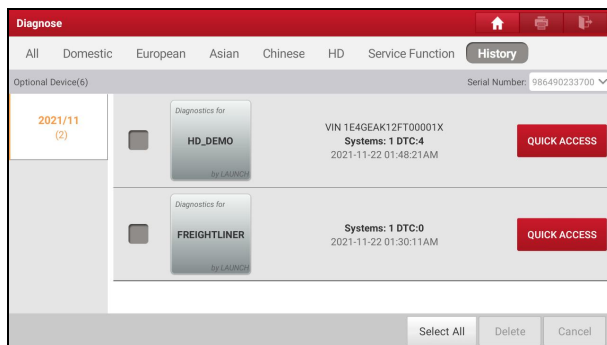
The operations in remote diagnosis are same as those in local diagnosis. Once the session is complete, a remote diagnostic report will be automatically generated.

5.4 Diagnostic History

Generally once a vehicle diagnosis is performed, the tablet will record the every details of diagnostic process. The History function provides direct access to the previously tested vehicles and users can resume from the last operation, without starting from scratch.

Tap **History** on the Diagnose main menu screen, all diagnostic records will be

listed on the screen in date sequence.

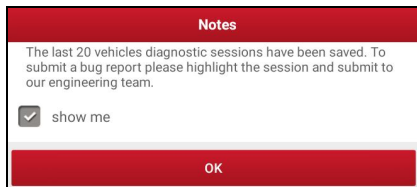


- Tap certain vehicle model to view the details of the last diagnostic report.
- To delete certain diagnostic history, select it and then tap **Delete**. To delete all historical records, tap **Select All** and then tap **Delete**.
- Tap **Quick access** to directly navigate to the function selection page of last diagnostic operation. Choose the desired option to proceed.

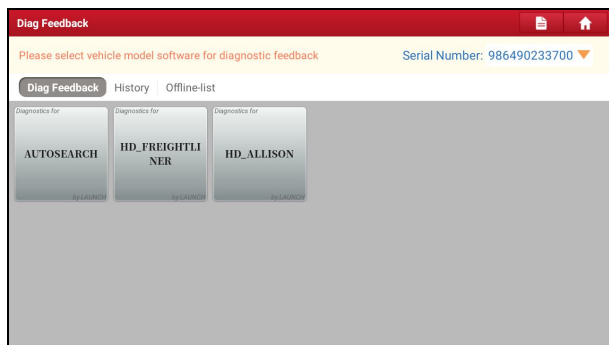
6 Diagnostic Feedback

This item allows you to feedback your diagnostic problems to us for analysis and troubleshooting.

Tap **Diag Feedback**, a pop-up message will appear:



Tap **OK**, the following 3 options will be displayed on the left column of the screen.



A. Feedback

Tap certain tested vehicle model to enter the feedback screen.

- 1) Tap **Choose File** to open the target folder and choose the desired diagnostic logs.
- 2) Choose the failure type and fill in the detailed failure description in the blank text box and telephone or email address. After inputting, tap **Submit Result** to send it to us.

B. History

Tap it to view all diagnostic feedback records. Different process states are marked with different colors.

C. Offline list

Tap it to display all diagnostic feedback logs which have not been submitted successfully due to network failure. Once the handset gets a stable network signal, it will be uploaded to the remote server automatically.

7 I/M Readiness

An important part of a vehicle's OBD II system is the Readiness Monitors, which are indicators used to find out if all of the emissions components have been evaluated by the OBD II system. They are running periodic tests on specific systems and components to ensure that they are performing within allowable limits.

Currently, there are eleven OBD II Readiness Monitors (or I/M Monitors) defined by the U.S. Environmental Protection Agency (EPA). Not all monitors are supported in every vehicles and the exact number of monitors in any vehicle depends on the motor vehicle manufacturer's emissions control strategy.

Continuous Monitors -- Some of the vehicle components or systems are continuously tested by the vehicle's OBD II system, while others are tested only under specific vehicle operating conditions. The continuously monitored components listed below are always ready:

- 1) Misfire
- 2) Fuel System
- 3) Comprehensive Components (CCM)

Once the vehicle is running, the OBD II system is continuously checking the above components, monitoring key engine sensors, watching for engine misfire, and monitoring fuel demands.

Non-Continuous Monitors -- Unlike the continuous monitors, many emissions and engine system components require the vehicle to be operated under specific conditions before the monitor is ready. These monitors are termed non-continuous monitors and are listed below:

- 1) EGR System
- 2) O₂ Sensors
- 3) Catalyst
- 4) Evaporative System
- 5) O₂ Sensor Heater
- 6) Secondary air Injection

7) Heated Catalyst

8) A/C system

I/M refers to Inspection and Maintenance that is legislated by the Government to meet federal clean-air standards. I/M Readiness indicates whether or not the various emissions-related systems on the vehicle are operating properly and are ready for Inspection and Maintenance testing.












The purpose of the I/M Readiness Monitor Status is to indicate which of the vehicle's Monitors have run and completed their diagnosis and testing, and which ones have not yet run and completed testing and diagnosis of their designated sections of the vehicle's emissions system.





The I/M Readiness Monitor Status function also can be used (after repair of a fault has been performed) to confirm that the repair has been performed correctly, and/or to check for Monitor Run Status.

Tap **I/M Readiness** on the Job Menu to start checking the readiness.



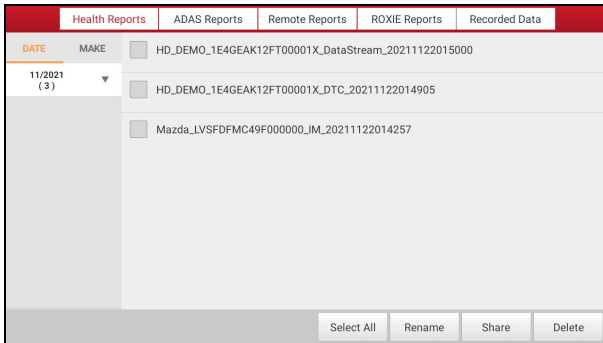
After checking all I/M readiness status, the screen will output the result:

I/M Readiness			
 108 DTCs	 Off	 43.162	CAN-15765-4 Protocol
Monitor	Value	Monitor	Value
Misfire		Fuel System	
Comprehensive Component		Catalyst	
Heated Catalyst		Evaporative System	
Secondary Air Injection		O2 Sensor	
Mazda 马自达3 2006 VIN LVSFDFMC49F000000			<input type="button" value="Detail"/> <input type="button" value="Report"/>

 Note:  means not available on this vehicle,  means incomplete or not ready,  means Completed or Monitor Ok.

8 Reports

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



1. Health Reports

This module stores all diagnostic reports generated in process of vehicle diagnosis.

All diagnostic reports are sorted by Date and Make. Tap the desired type to re-arrange and filter it.

- To select certain report, check the box before the report. To select all reports, tap **Select All**. To deselect all, tap **Unselect**.
- To change the filename of report, tap **Rename**.
- To share the report with others, select the desired one and then tap **Share**.
- Select the desired report and then tap **Delete** to delete it.

2. ADAS Reports

This option lists all diagnostic reports saved in process of ADAS calibration operations.

3. Remote Reports

This option lists all diagnostic reports generated in process of Tech 2 Tech remote diagnostics.

4. ROXIE Reports






This option stores all vehicle inspection reports generated by the ROXIE W device that has been bound to the tool.

5. Recorded Data

If user records the running parameters or waveform graphs while reading data stream, it will be saved as diagnostic records and appear under this tab.




Tap **Recorded Data**, and select certain diagnostic record to enter.

Select the desired data stream items and tap **OK** to navigate to the playback page.

Diagnostic Record			
Name	Value	English	Metric
Anti-theft Status	—		
Barometric air pressure	141.52	psi	
Barometric air pressure sensor signal voltage	28.92	V	
Battery voltage	28.92	V	
J1939 stop broadcast source address one	(1 / 1) 62464	count	

Auto Playback(x1) 0/20

FRAME PLAYBACK

 Graph
 Combine
 Value

On-screen Buttons:

Graph: Displays the parameters in waveform graphs.

Combine: This option is mostly used in graph merge status for data comparison. In this case, different items are marked in different colors.

Value: This is the default mode which displays the parameters in texts and shows in list format.

Frame Playback: Plays back the recorded data stream items frame by frame. Once it is in frame playback mode, this button changes into **Auto Playback**.

9 Software Update

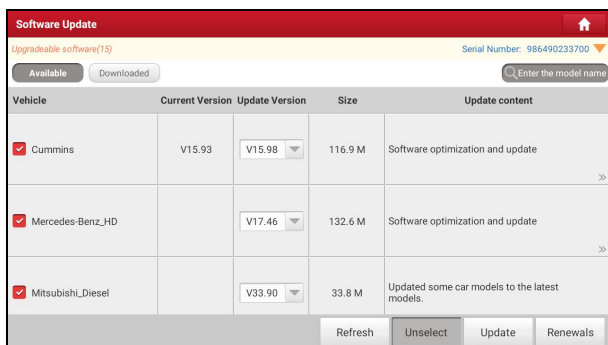
This module enables you to update the diagnostic software & App and frequently used software.

9.1 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 at default.

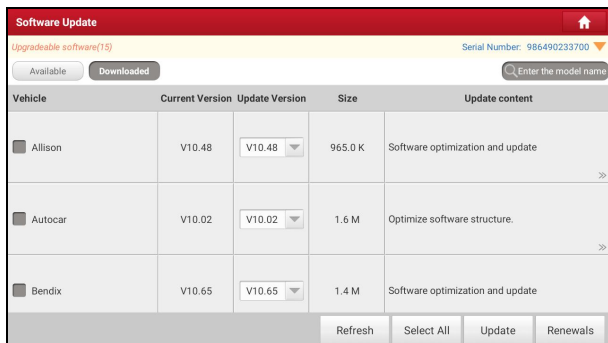


To download certain software that is not frequently used, check the box before the vehicle model. Tap **Update** to start downloading.

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

9.2 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.

9.3 Renew Subscription

If the software subscription is due or expires, the system will prompt you to renew your subscription.

Tap **Renewal** on the bottom of the screen to enter the payment screen.

There are two ways available for you to make payment: Subscription Renewal Card (*need to buy it from the local dealer where you purchased the tool) and Credit Card.

Renewal Type

SN: 986490233700 Software Expiration Date

Subscription Renewal Card Pay

LAUNCH

Please buy it from local dealer, after activated you can use it free within one year or two years.

SUBSCRIPTION RENEWAL CARD

Credit Card

LAUNCH

Software Update Renewal Fee: **CREDIT CARD**

1. Using Subscription Renewal Card

- 1). Select **Subscription Renewal Card**.

Subscription Renewal Card

LAUNCH

123456789012

Subscription Renewal Card

LAUNCH

Notice:

- Subscription Renewal Card is only available for those products which are provided.
- Subscription Renewal Card may different areas. Please contact dealer for details.

Card Number: 123456789012

Pin Code: 123456789012345678901234

Please enter 24 Subscription Renewal Card Pin code

- 2). Input the 24-digit pin code of Subscription Renewal Card and then tap Submit to finish the renewal.

3). Go to update center to update the diagnostic software.

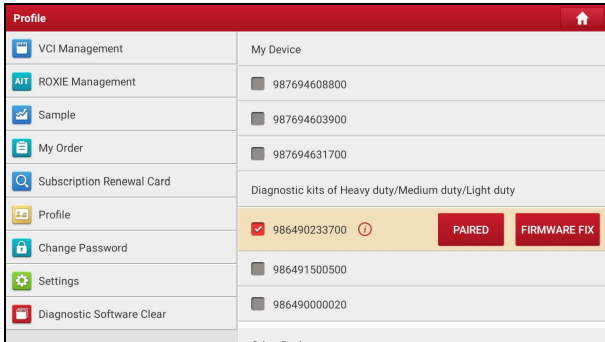
2. Using Credit Card

- 1). Select **Credit Card**, and then follow the on-screen instructions to finish the transaction.
- 2). After payment, go to update center to update the diagnostic software.

10 Profile

This function allows users to manage personal information and VCI etc.

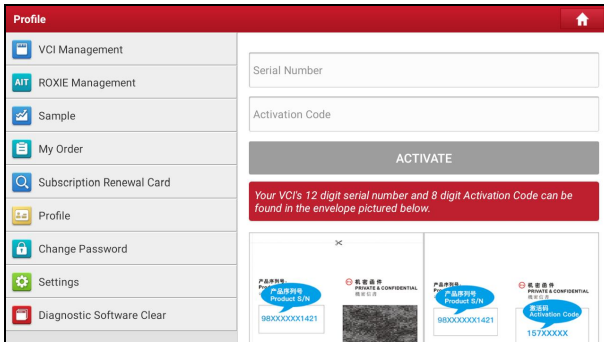
10.1 VCI Management




If several VCI devices are activated on this tool, a list of VCI devices will be displayed on the screen.

Once you choose the device that belongs to other account, you have to log out, and then input the right account to continue.

- If you use another VCI to test a vehicle, select the desired checkbox and tap **Pair** to pair it with the tablet.
- If the current VCI comes across communication failure, tap **Firmware Fix** to update and fix the diagnostic firmware. During fixing, please do not cut power or switch to other interfaces.
- If you use the current account to test a vehicle with another tablet, tap **Paired** to unpair the VCI device with the previously paired tablet.
- If you bought a new VCI device or skipped the Activate VCI step in process of sign-up, tap **Activate VCI** to activate it.



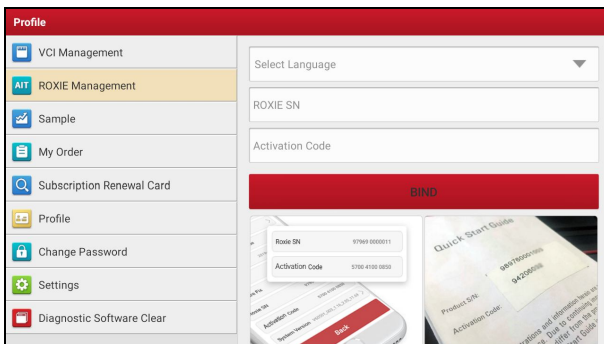
Input the Serial Number and Activation Code (can be found from the included Password Envelope), and then tap **Activate** to activate it.

 Note: please be sure to keep the VCI powered on while performing the operation.

10.2 ROXIE Management

This option is used to activate and bind the ROXIE W device to the tool. Once bound, the reports generated by the ROXIE W device will be automatically pushed to the tool each time the inspection session is finished.

Tap **ROXIE Management**, the following screen will appear:



Fill in the ROXIE W S/N and Activation Code (can be found in the Settings on the Job Menu), then tap **Bind**.

10.3 Sample

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

10.4 My Order

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

10.5 Subscription Renewal Card

This item is used to check the status of the subscription renewal card.

Input the 12-digit subscription renewal card number. Tap **Search** to get the search result.

10.6 Profile

Use this item to view and configure personal information.

10.7 Change Password

This item allows you to modify your login password.

10.8 Settings

10.8.1 General

1). Units

It is designed to set the measurement unit. Metric System and English System are available.

2). Diagnostic Software Auto Update

This option is designed to turn on/off the automatic diagnostic software update function. If set as ON, the system will automatically update the available diagnostic software when the tablet has a network connection and a newer version is detected.

3). Automatic detection once connected

This option enables you to determine whether to start an automatic VIN

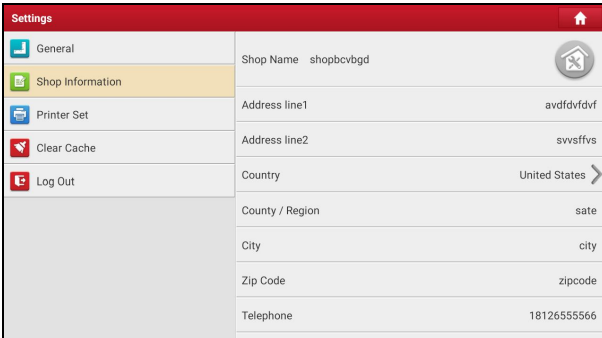
detection once the tablet is properly connected to the vehicle's DLC.

4). Auto Generate Health Report once connected

Once it is set as ON, the system will automatically output a health report once the AutoDetect diagnostic session is finished.

10.8.2 Shop Information

This option lets you define your print information. It mainly includes Workshop, Address, Zip Code, Telephone, Email etc.



The screenshot shows the 'Settings' application with the 'Shop Information' option selected. The settings are as follows:

Setting	Value
Shop Name	shopbcvbgd
Address line1	avddfvdvdf
Address line2	svvffvfv
Country	United States >
County / Region	sate
City	city
Zip Code	zipcode
Telephone	18126555566

After inputting, tap **SAVE**.

Once you saved the print information, it will be entered automatically in the *More Information* box every time you save the diagnostic report.

10.8.3 Printer Set

This option is designed to establish a wireless connection between the tablet and the Wi-Fi printer (sold separately) while performing printing operations.

The App is compatible with the *LAUNCH Wi-Fi Printer* (sold separately) and *System* (external printer).

For LAUNCH Wi-Fi mini printer, follow the instructions described in the user manual included with the Wi-Fi mini printer to configure it.

For other Wi-Fi printers,

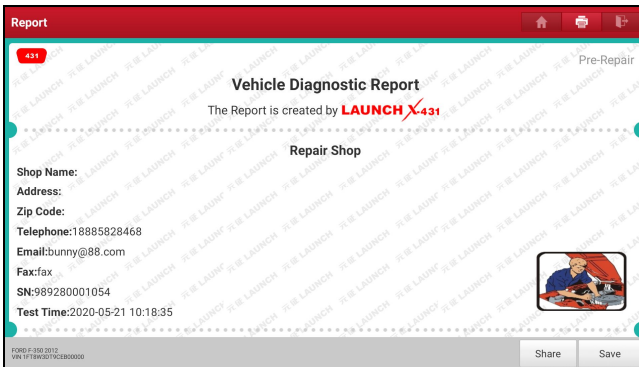
Before printing, make sure the following conditions are met:

- The Wi-Fi printer is powered on and working normally.

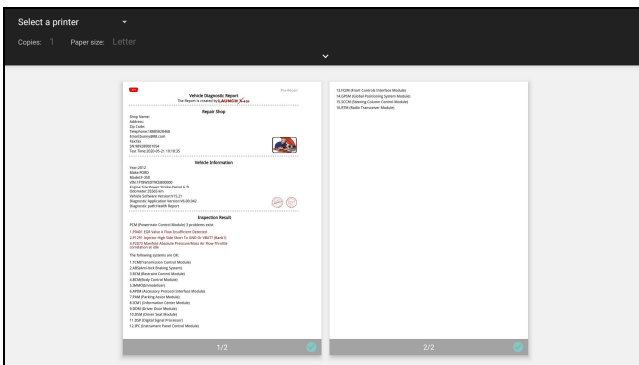
- The print service plug-in associated with the printer is already installed on the tablet (Go to Google Play or use the Browser to download and install it).

Follow the steps below to proceed:

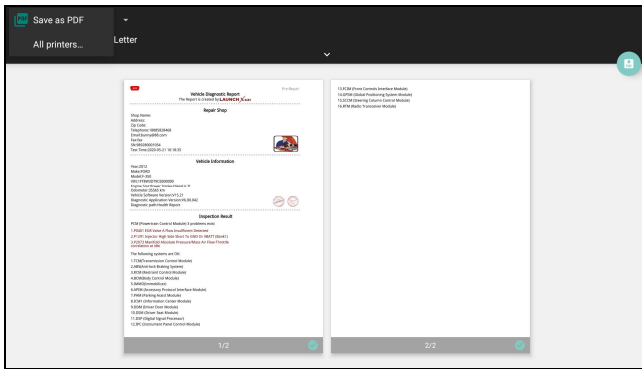
- Set the default printer as **System**.
- Go to **Settings -> Network & Internet -> WLAN**, set the WLAN switch to Off.
- On the report details page, tap .



- Touch  next to **Select a printer** on the upper left corner of the screen.



- Select **All Printers -> Add printer** and enable the installed printer service, the system starts searching for all available Wi-Fi printers of the brand.



6. Select the desired Wi-Fi printer from the list. If the chosen Wi-Fi printer hotspot is open, the tablet can connect it directly. If it is encrypted, a password may be required. Refer to the Wi-Fi printer user manual to get the default password.
7. Now the printer is ready for printing.
8. Alternatively, you can also choose **Save as PDF** to save the current diagnostic report as a PDF file for later printing.

10.8.4 Clear Cache

This option allows you to clear the App cache. Clearing the cache will restart the App.

10.8.5 Login/Logout

To logout the current user ID, tap **Logout**.

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


10.9 Diagnostic Software Clear

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

Tap **Diagnostic Software Clear** to enter.

Under the **Hide Software** tab, select the desired diagnostic software and tap **Hide**, it will become invisible. Tap **Unhide** to undo the hide operation.

Under the **Remove Software** tab, select the desired diagnostic software and tap **Delete**, it will disappear from the screen.

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

11 Add-on Modules

11.1 TPMS

This module allows you to configure the tablet 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.

11.2 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.

11.3 Videoscope

This module allows you to check those unseen parts of engine, fuel tank, braking system. It needs to work with the compatible Videoscope device (sold separately).

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

11.4 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.

11.5 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.

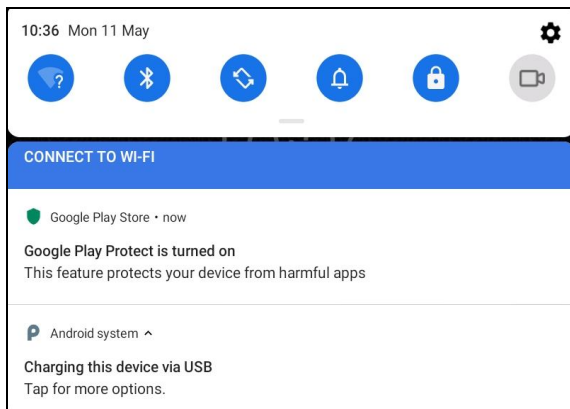
11.6 Mail

This module allows you to subscribe some extra software or service functions that are not included in the diagnostic tool online.

9 Synchronization

You can transfer media files, screenshots and APK between the PC and tablet.

1. Connect one end of the included charging/data cable to the charging/data I/O port of the tablet, and the other end to the USB port of the PC.
2. Swipe the tablet screen from the top, a pull-down option list will appear on the screen.



3. Tap **Charging this device via USB**, the following setting options will be displayed on the screen.

12 FAQ

1. How to save power?

- Please turn off the screen while the tool keeps idle.
- Set a shorter standby time.
- Decrease the brightness of the screen.
- If WLAN connection is not required, please turn it off.

2. Communication error with vehicle ECU?

Please confirm:


1. Whether the VCI 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 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 reset the tablet?

 Resetting may cause data loss. Before doing so, please make sure important data and information has been backed up.

Do the following to reset the tablet:

1. Tap **Settings -> System -> Reset options**.
2. Tap **Erase all data (factory reset)**.
3. Tap **RESET TABLET**.
4. Tap **ERASE EVERYTHING** to start resetting until the tool automatically

reboots.

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 launch it.
2. Tap the **Login** button on the upper right corner of the screen.
3. Tap **Retrieve password**.
4. Input product S/N and follow the on-screen prompts to retrieve the password.

Warranty

THIS WARRANTY IS EXPRESSLY LIMITED TO PERSONS WHO PURCHASE LAUNCH PRODUCTS FOR PURPOSES OF RESALE OR USE IN THE ORDINARY COURSE OF THE BUYER'S BUSINESS.

LAUNCH electronic product is warranted against defects in materials and workmanship for one year 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 LAUNCH shall not be liable for any consequential or incidental damages.

Final determination of defects shall be made by LAUNCH in accordance with procedures established by LAUNCH. No agent, employee, or representative of LAUNCH has any authority to bind LAUNCH to any affirmation, representation, or warranty concerning LAUNCH automotive meters, except as stated herein.

Disclaimer

The above warranty is in lieu of any other warranty, expressed or implied, including any warranty of merchantability or fitness for a particular purpose.

Purchase Order

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

- Order quantity
- Part number
- Part name

Customer Service

If you have any questions or comments please forward them to:

LAUNCH Tech USA

Product Support

Phone: 877-528-6249 xt: 4

E-mail: support@launchtechusa.com

Fax: 562-463-1590

Monday - Friday 5 am - 5 pm PST

Service & Repair

Phone: 877-528-6249 xt: 5

Monday - Friday 8 am - 5 pm PST

If your unit requires repair service, return it to the manufacturer with a copy of the sales receipt and a note describing the problem. If the unit is determined to be in warranty, it will be repaired or replaced at no charge. If the unit is determined to be out of warranty, it will be repaired for a nominal service charge plus return freight. Send the unit pre-paid to:

Attn: LAUNCH Tech USA

1820 South Milliken Ave.

Ontario, CA 91761