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Disclaimer

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The Company shall not be liable for any direct, indirect, special, incidental damages or any indirect economic damages (including but not limited to loss of profits).

NOTE: Before operating and maintaining the device, please read this manual carefully, especially the safety precautions.

Support

Website: <https://marinediagnostictools.com>

Tel: 844-627-4630

Safety Information

For the safety of yourself and other people, and to avoid damage to the device and the vehicle, all personnel operating the device must read and follow the safety precautions mentioned in this manual.

Due to the variety of procedures, tools, components and techniques used in vehicle maintenance, the different ways of operation by staff, and the wide variety of diagnostic applications and vehicles tested by the device, this manual cannot predict every situation or provide safety advice that covers all scenarios. It is the responsibility of the automotive service technician to have a thorough understanding of the system being tested and to utilize appropriate service methods and test procedures in a reasonable manner. When testing, you must use appropriate operating methods, so as not to place yourself and others in the work area at risk, or damage the device being used or the vehicle being tested.

Before using the device, please refer to and follow the safety information and applicable test procedures provided by the vehicle or device manufacturer. Please read, understand and obey all the safety information and tips in the manual, and use the device according to the instructions in this manual.

Safety Instructions

The safety information stated here covers all situations that the Company is aware of. The Company cannot know, anticipate, or advise on all possible hazards. The operator must ensure that the maintenance operations performed under any circumstances will not cause harm to personal safety.

 **DANGER:** While the engine is running, keep the service area well ventilated, or properly

connect the engine to the building's exhaust system. Carbon monoxide produced by the engine can cause slow reaction and even serious personal injury or death.

Safety Warnings

- Always perform vehicle diagnostics in a safe environment.
- Keep the diagnostic tool dry and clean, and keep it away from gasoline, water and oily items. If necessary, clean the surface of the device with a clean cloth dampened with mild detergent.
- Do not place the diagnostic scanner on the vehicle power distribution box, as strong electromagnetic interference may cause damage to the device.
- Please keep this product away from magnetic devices, as radiation from magnetic devices will erase the information stored in this product.
- Do not use this product in places with high temperature and flammable gas (such as at a gas station).
- Do not use the device during a thunderstorm to avoid lightning strikes or other injuries.
- Never operate the diagnostic scanner while driving, as distraction may cause an accident.
- Wear ANSI-compliant safety goggles.
- Keep clothing, hair, hands, tools, testers, etc. away from running or hot engine parts.
- As vehicle emissions are bodily harmful, diagnosis must be performed in a well-ventilated place.
- Before starting the engine, make sure to apply the parking brake, use a barrier to block the front wheels, and put the shift lever in neutral (manual transmission) or park (automatic transmission), so as not to suddenly move forward and injure people when the engine is started.
- Exercise extreme care when working around ignition coils, distributor covers, ignition lines and ignition plugs. These components can generate high voltages when the engine is running.
- Equip special fire extinguishers for gasoline, chemicals and electrical fires in the work area.
- Do not connect or disconnect the diagnostic tool when the ignition switch is on or the engine is running.
- When disassembling and installing the programmable read-only memory (PROM), the operator should wear a grounding metal strap, wrap one end of it around the wrist, and clamp the other end on the vehicle body to avoid ECU circuit failure caused by static electricity.
- When servicing the vehicle, please refer to the instructions in the service manual, and operate in strict accordance with the diagnostic procedures and precautions. Failure to do so may result in personal injury or damage to the diagnostic device.
- To avoid damage to the scan tool or the generation of erroneous data, please ensure that the vehicle's battery is sufficiently charged and that the connection to the vehicle's diagnostic socket is clean and secure.
- Radio waves generated by this device may affect the normal operation of implantable medical devices or personal medical devices such as pacemakers, cochlear implants, hearing aids. If you are using these medical devices, consult their manufacturers for

restrictions on the use of this device.

- In medical and healthcare settings where the use of wireless devices is expressly prohibited, please follow the location's regulations and turn off the device.
- The wireless device may interfere with the aircraft's flight system, please comply with the relevant provisions of the airline. When the use of wireless devices is prohibited, please turn off this device.
- This device and its accessories may contain small parts, please keep them out of the reach of children. Prevent children from unintentionally damaging this device and its accessories, or swallowing small parts that may cause suffocation or other hazards.

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1 Manual Overview

This manual contains instructions for using the device.

Some of the diagrams shown in the manual may include all the modules and optional devices in the system you use. You can contact your dealer or local sales representative for information and to purchase other optional modules and accessories.

1.1 Manual Basics

Here are some basics about the contents of this manual.

1.1.1 Bold and Square Brackets

In the body of the manual, bold and square brackets emphasis is used to highlight selectable items, such as buttons and menu options.

For example:

Tap **[OK]**.

1.1.2 Jargon

The term "select" means to highlight a button or menu item and tap it to confirm the selection.

1.1.3 Tips and Notes

This manual uses the following messages.

Tips:

Tips provide helpful information such as additional usage instructions, tips, and advice.

Notes:

Notes remind you to avoid (avert) situations to prevent damage to the diagnostic tool or the vehicle.

2 Product Profile

This device is a new Android-based vehicle trouble diagnostic device developed for Internet applications. It inherits from Marine Diagnostic Tools advanced diagnosing technology and it is characterized by covering wide range of vehicles, featuring powerful function, and providing precise result. Communicating through the OBD connector, the smart mobile terminal realized fault diagnosis for all vehicle models and systems.

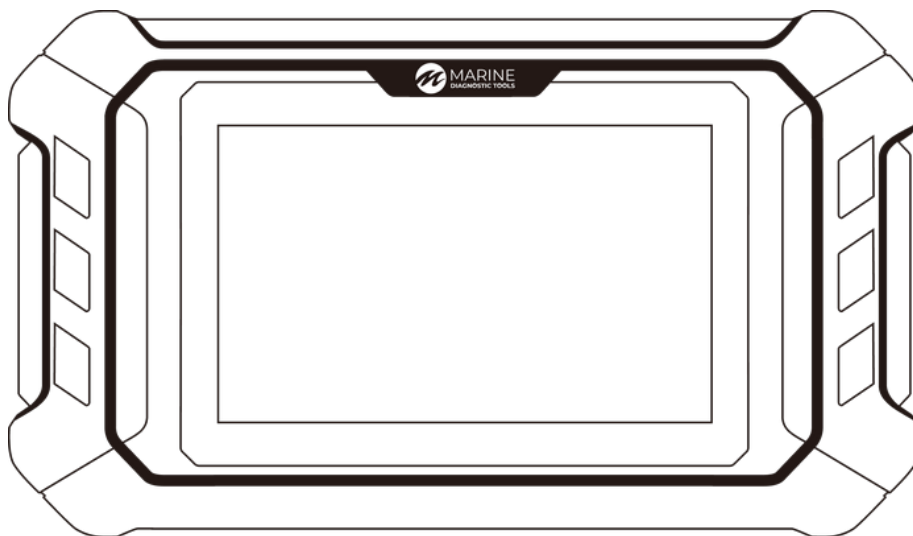
Meanwhile, taking advantage of mobile Internet, this device integrates all product resources and service of Marine Diagnostic Tools.

2.1 Features

- Diagnostic Functions
It can diagnose the electronic control systems of prevalent vehicle models covering Asian, European, and American brands. Diagnosis functions include: Scan DTC, Clear DTC, Read data stream, Active Test etc.
Classified functions: Including MARINE DIAG, IMMO, etc.
Specially designed for the Android platform with a clear and user-friendly interface.
- Personal Center
User information and the device's configuration information.
- Upgrade
Built-in WIFI mode can realize application downloading and diagnostic function upgrade.
- Data Management
Includes My Data, DataStream Playback, Uninstall Model, Diagnose Report, Picture Viewer, and File Management.
- Support
It contains Manual, FAQ, Log Upload, Remote Diag, and Abnormal Feedback.
- Settings
Contains VCI Info, Language, Unit, Workshop, Network Test, Clear Cache, System Settings, DC Calibrate, and About.

2.2 Get Familiar with This Device

- The whole set
This device is composed of the tablet, test main cable and other kinds of cables.
- The tablet

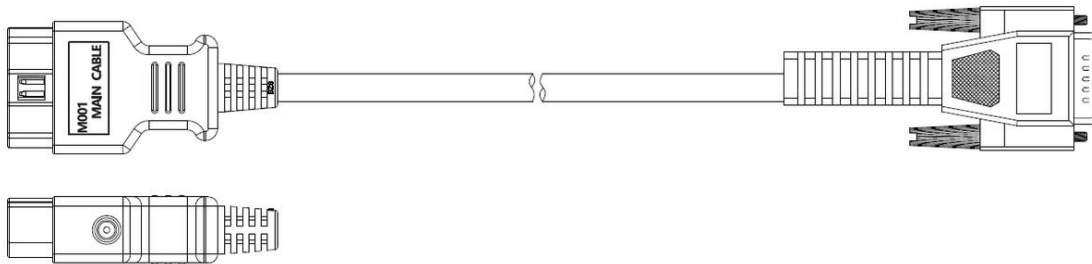


2.3 Technical Parameters

- Operation system: Android 5.1.1
- CPU: RK3128 Quad-Core, ARM Cortex A7@1.2Ghz
- Battery: 2600mAh, rechargeable lithium polymer battery
- Extension memory card: 32GB Micro SD (TF) card supported
- LCD: 5.0 inch
- LCD resolution: 800*480
- Touch screen: Capacitive touch screen
- Wi-Fi: supported
- Working temperature: -10°C - 55°C (14°F - 131°F)
- Storage temperature: -20°C - 70°C (-4°F - 158°F)
- Weight: about 0.43 Kg
- Dimensions: 200mm*116*mm*28mm

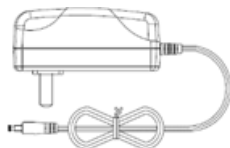
2.4 Accessories (Standard Configuration)

- Test Main Cable



- Others accessories

DC Power Adapter (Output DC 12V/2A): To power up the tablet via connecting with outside power Supply.



3 How to Use This Device

3.1 Charging This Device

1. Connect the included power cable to the device.
2. Plug the adapter into an AC outlet.

3. While charging, the battery logo will appear as , indicating that the battery is in charging.
4. When the battery logo changes into , it indicates that the battery is fully charged.
5. Unplug the charger from this device. The DC power connector supplies the internal battery pack. And the tablet can be powered through a direct connection to the cigarette lighter or other available power port on the vehicle.

3.2 Using the Battery

- If the battery keeps unused for a long time or battery is completely discharged, it is normal if it cannot be turned on while being charged. Please charge it for a period and then turn it on.
- Using data service will cause more power consumption and shorten the stand by time.
- The charging time of battery varies with temperature condition and battery consumption status.
- While this device has low battery, a beep will sound. If it is very low, this device will be switched off automatically.

Note: Do one of the followings to save power:

When this device keeps unattended, press the power button to turn off the LCD.

- Shorten the standby time: Go to main menu, choose "Settings" > "Display" > "Sleep" to select a shorter standby time.
- Decrease the brightness of LCD display: Go to main menu, choose "Settings" > "Display" > "Brightness", and then drag the slider to adjust it.
- Change "Live Wallpapers" into "Gallery".
- Set Bluetooth off: Go to main menu, choose "Settings" > "Bluetooth", and then toggle the switch to OFF.
- Tap the Volume/Brightness button at the bottom of the screen, then move the slider to the left on the volume bar to decrease it.

3.3 Powering On/Off This Device

- Powering on
Press and hold Power button for three seconds to turn on this device.
- Powering off
Press and hold Power button for three seconds to turn off this device.

3.4 About Desktop

The following table describes the operating functions of the navigation buttons located at the

bottom of the screen:

Table 3.3 Screen Locator and Buttons

Name	Icon	Description
Back		It is used to return to the previous interface or exit the application.
Screenshot		By tapping it, you can take a screenshot and save the image to the gallery.
Home		Tap it to go back to the main interface of Android System.
Recently Used Apps		Tap it to view cascading windows of the running apps. You can select the desired window to open it, or drag your desired window to the right to close the corresponding app.
Volume & Brightness		The brightness & volume adjusting window will pop up upon tapping on it.
DP		Tap the button to return to the menu page of diagnostic and programming apps.
VCI		It is used to open and check VCI information.

3.5 Customizing Your Desktop

- Adding Items to the Desktop
Open the homepage main menu, tap and hold the item you want, a highlighted box will automatically appear on the screen, then drag the item into that box and release, your desired item will be displayed on the desktop. Hint: If many applications occupy the desktop, press and hold the desired app, an extended desktop box will appear on the right edge of the screen, then drag the app into that box and release.
- Moving Items on the Desktop
Tap and hold the item to be moved, then drag it to the target position.
- Deleting Items from the Desktop
Tap and hold the desired item and an "X" symbol will appear in the upper middle of the screen. Move the item to the "X" and the app will be removed from the desktop.
- Changing Your Wallpaper
Tap and hold a blank area on the desktop, "WALLPAPERS" will be shown on the screen. Pick an image, then tap "✓ Set wallpaper" on the upper left corner.
- Creating a Folder on the Desktop
Drag one icon to another icon, the system will create a folder automatically. Input a

folder name.

3.6 On Using Touch Screen

- Tap: Tap the corresponding item with your finger to confirm your selection or start the application.
- Long press: Long press the icon or input field to open the operation option menu of the current interface.
- Slide: Slide your finger horizontally or vertically on the screen.
- Drag: Long press the selected item with your finger, and then drag the item to any position on the screen.

3.7 Lock & Unlock

- Locking the Screen
 - When the device is ON, press the power button to lock the screen.
 - The system will lock the screen automatically after this device remains idle for a long time.
- Unlocking the Screen
 - Press the power button to activate the screen.

3.8 Notification Bar

The notification bar is used to display some activities and messages to remind and inform users.

- Turning On the Notification Panel
 - When a new notification icon appears on the status bar, slide the status bar downwards to open it.
 - In the notification panel, select the desired notification item to open it.
- Turning Off the Notification Panel
 - When the notification panel is opened, click on the blank space of the screen and the notification panel will automatically retract.

3.9 Input Method

Setting Input Method

Go to the main menu, select "Settings" -> "Language & input", and choose the desired input method.

The default input method is Gboard multilingual typing.

3.10. How to Set to Airplane Mode

According to the regulations of some countries or regions, PC devices must be turned off before boarding on the airplane.

When you set this device to airplane mode, all radio waves will be off, including mobile network, Bluetooth and WLAN.

Do one of the followings to enable or disable airplane mode:

Expand the notification bar and tap [Airplane mode]. If the icon turns white, it means the airplane mode is activated; if the icon is grayed out with a slash, the mode is deactivated.

Go to the home main menu, and choose "Settings" > "More" > "Airplane mode".

4 Diagnostic Operations

The diagnostic program establishes a data connection with the vehicle's ECU via the diagnostic main cable, and can read ECU information, view fault codes, check real-time data, and perform actuation tests. Diagnostic applications can access the ECUs (Electronic Control Units) of multiple vehicle control systems such as engine, transmission, anti-lock braking system (ABS), etc.

4.1 Product and Vehicle Connection

The connection steps are as follows:

- a) Locate the diagnostic socket in your vehicle. Note that different vehicle models have different diagnostic socket connectors, so you will need to use the appropriate adapter cable for your specific vehicle model. You can refer to the pinout diagram in the software documentation to find the approximate location of the diagnostic socket for your vehicle model.
- b) Insert the diagnostic connector of this product into the diagnostic socket. First, plug the adapter cable into the diagnostic socket, then connect the diagnostic connector of this product into the adapter.

4.2 Diagnosis Flowchart

New users should follow the registration and login steps in the Personal Center section to begin using the product.

Connect the Diagnostic Connector → User Registration → User Login → Download or Upgrade Software → Select Function and Model → Proceed with Diagnosis.

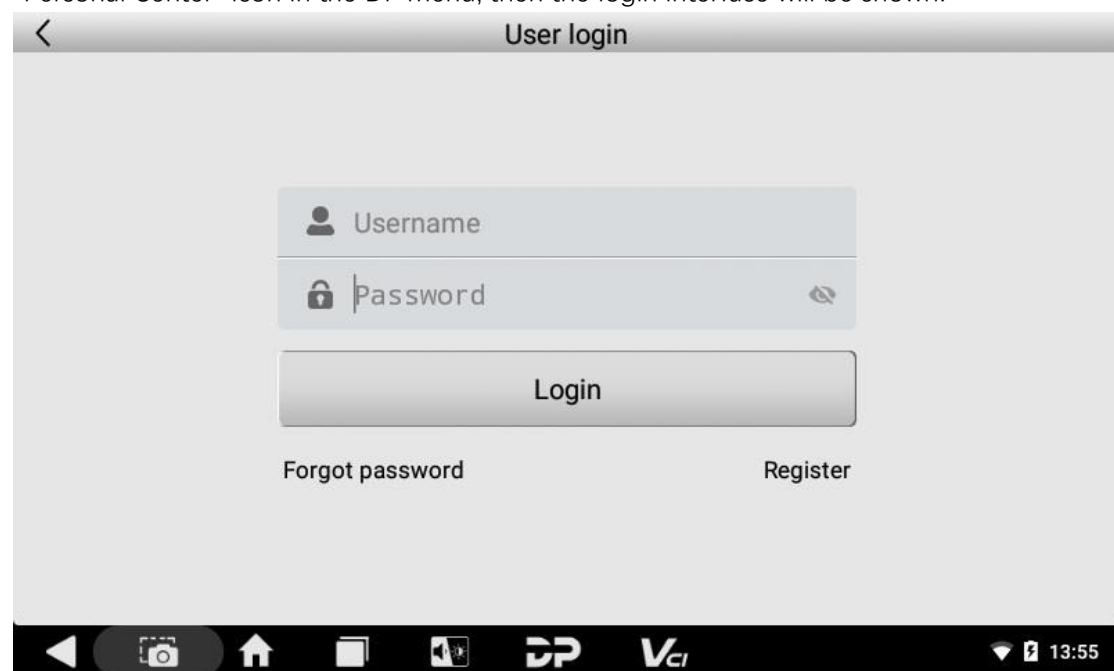
NOTE: Before exiting or closing diagnostic applications, you must first exit the diagnostic operation interface and terminate all communications between the smart device and the vehicle. As communication interruption may cause damage to the vehicle's ECU, it is necessary to ensure that the test main cable is well connected with the smart device and the vehicle in the process of diagnostic communication, and ensure that you have exited all diagnostic communications before disconnecting the diagnosis main cable or turning off the device.

5 Personal Center

This module is used to set up and manage account details and to check the dealer's information.

5.1 User Registration

When the user gets a brand new diagnostic scanner, he/she needs to register an account in the Personal Center before logging in the Upgrade app to download software. Tap on the "Personal Center" icon in the DP menu, then the login interface will be shown.

A screenshot of a mobile application's "User login" screen. The screen has a light gray background. At the top, there is a dark gray header bar with a back arrow icon on the left and the text "User login" in the center. Below the header, there are two input fields: the first is labeled "Username" with a person icon, and the second is labeled "Password" with a lock icon and a toggle eye icon on the right. Below these fields is a large "Login" button. At the bottom of the login area, there are two links: "Forgot password" on the left and "Register" on the right. At the very bottom of the screen is a black Android-style navigation bar with several icons: a back arrow, a camera, a home icon, a square, a DP logo, a VCI logo, and a status bar on the right showing a Wi-Fi signal, a battery icon, and the time "13:55".

If you are a new user, select the "Register" button in the lower right corner and proceed to the user registration interface.

<

Register

SN:903410055630

Account informationContact informationRegister success

Username

Password

Confirm password

Email(password retrieve by Email)

Next

Back to login

Forgot password

<

Register

SN:903410055630

Account informationContact informationRegister success

For better service, fill in the info carefully!

Contacts

Cellphone

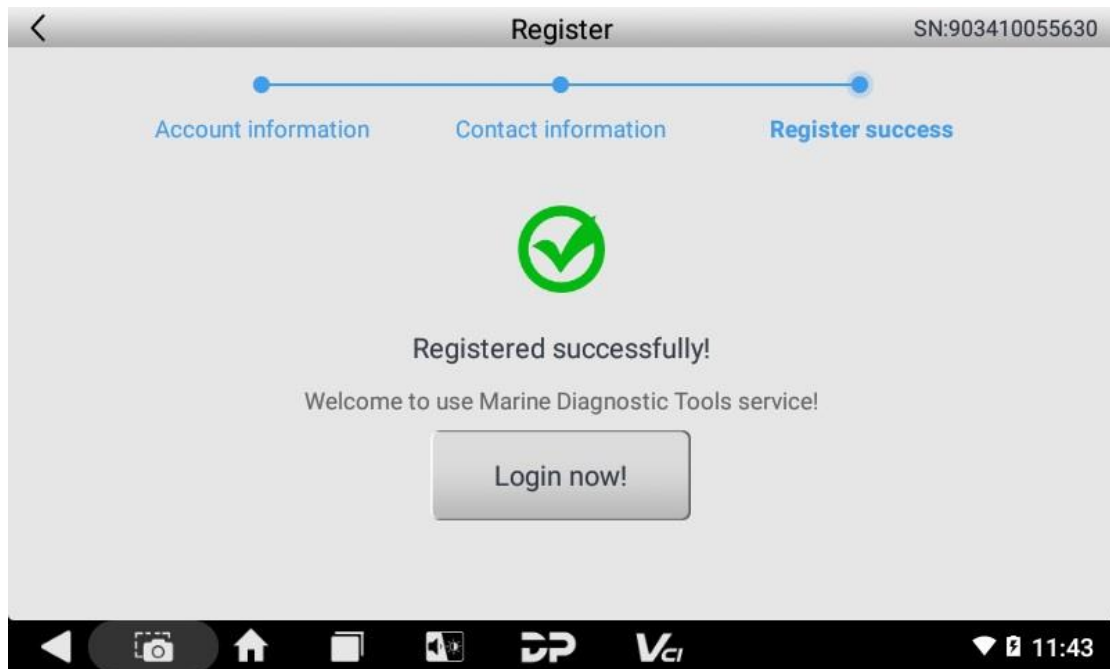
Company name

Address

Post Code

Register

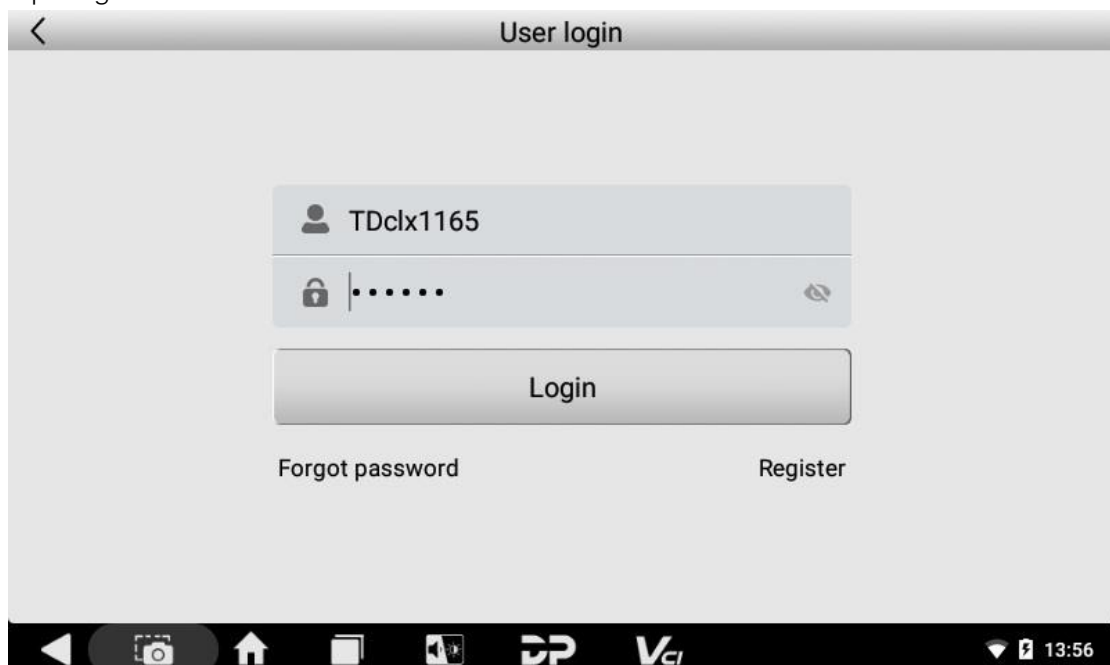
Previous



Fill in the information in each field. After that, you will be prompted with "Registered successfully!" Tap "Login now!".

5.2 User Login

If you have already registered as a member, simply fill in your username and password, then tap "Login".

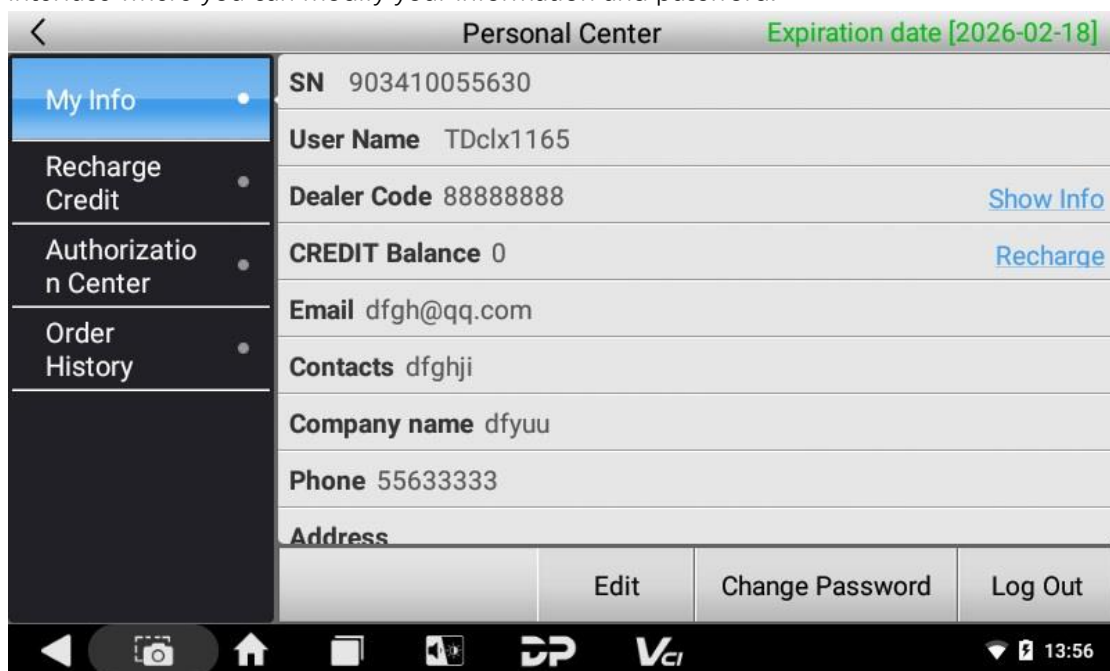


If you forget your password, you can select **[Forgot password]**, then fill in the necessary information in the Password Recover popup window, and you will be able to log in with your new password.

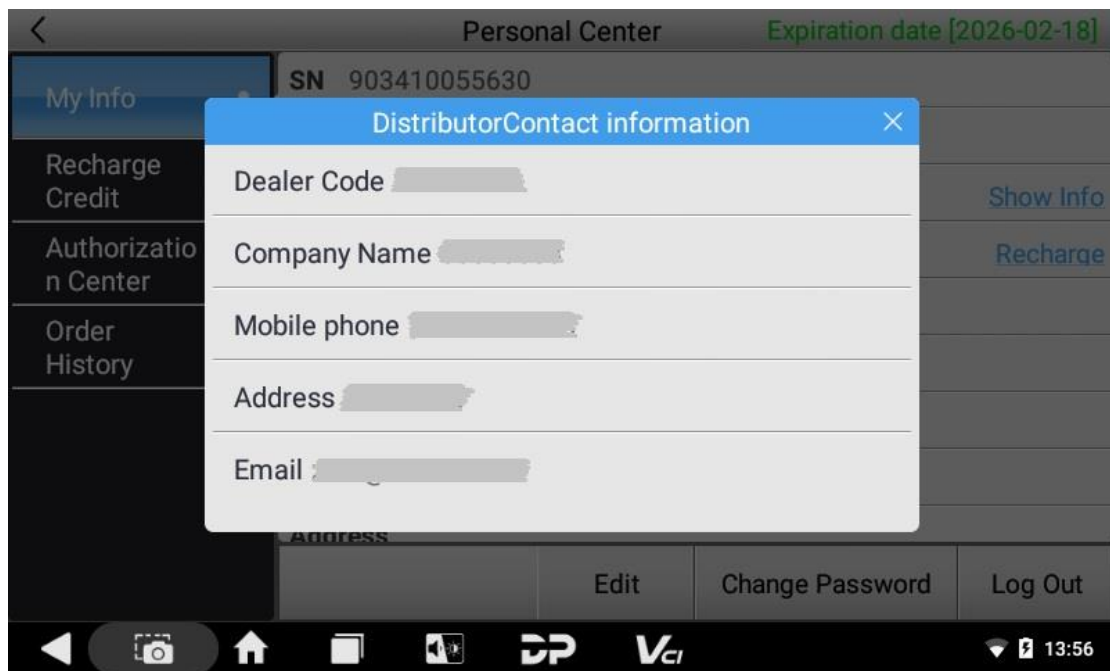


5.3 My Info

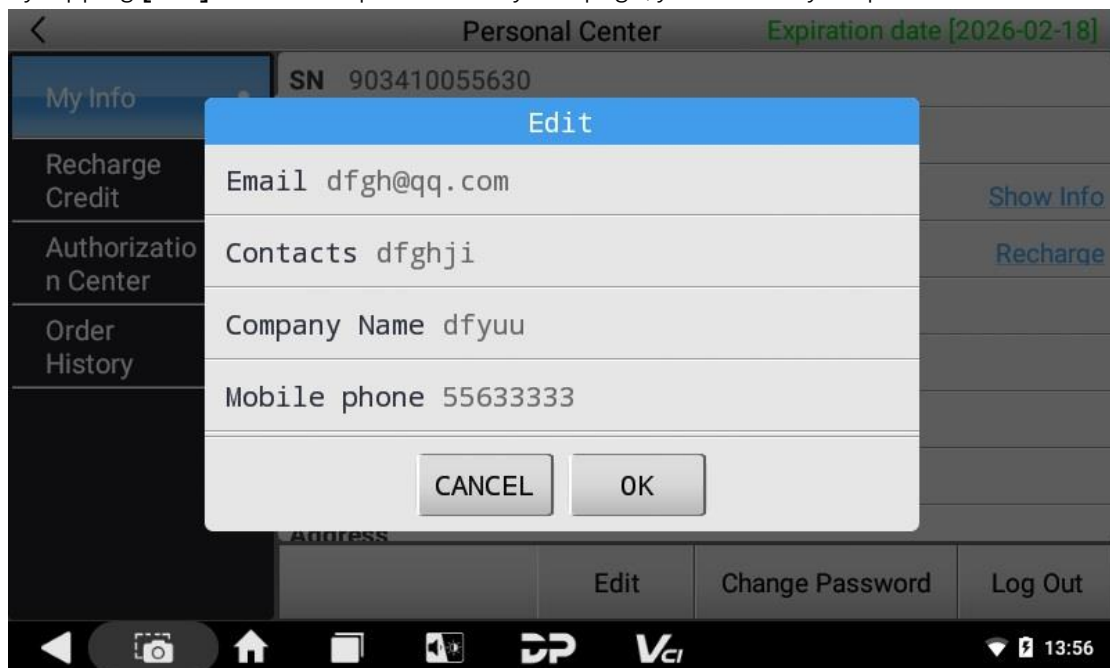
If you have already registered, your personal information will be displayed in the My Info interface where you can modify your information and password.



You can check dealer contact info by tapping on the **[Show Info]** link in the Dealer Code column.



By tapping **[Edit]** in the lower part of the My Info page, you can edit your personal information.

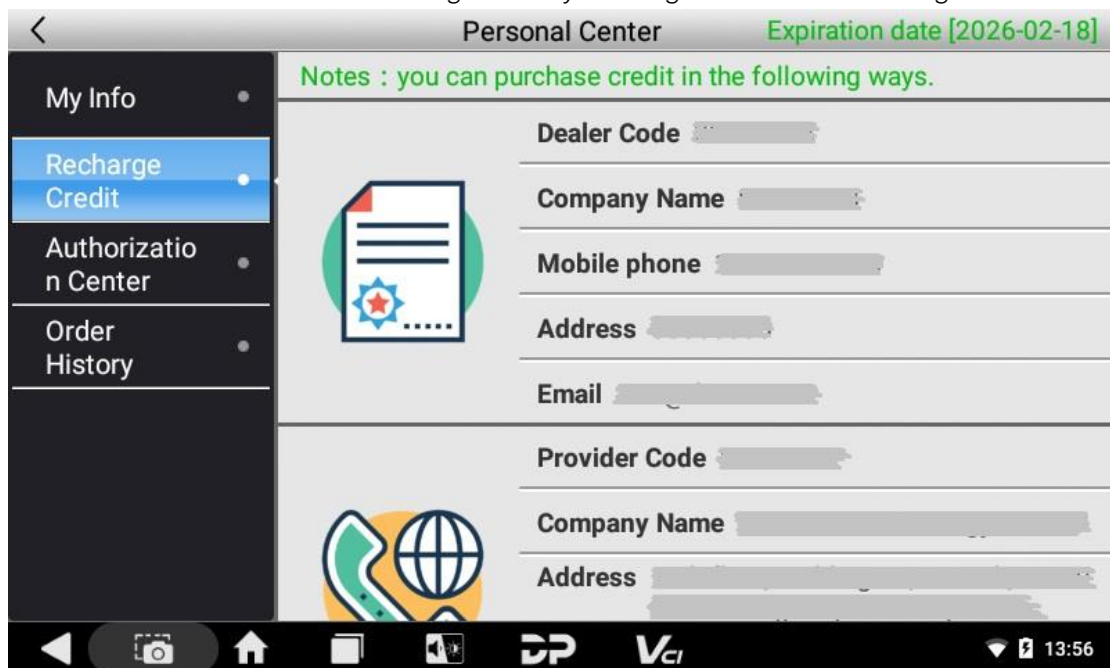


You can tap **[Change Password]** to change your passcode.



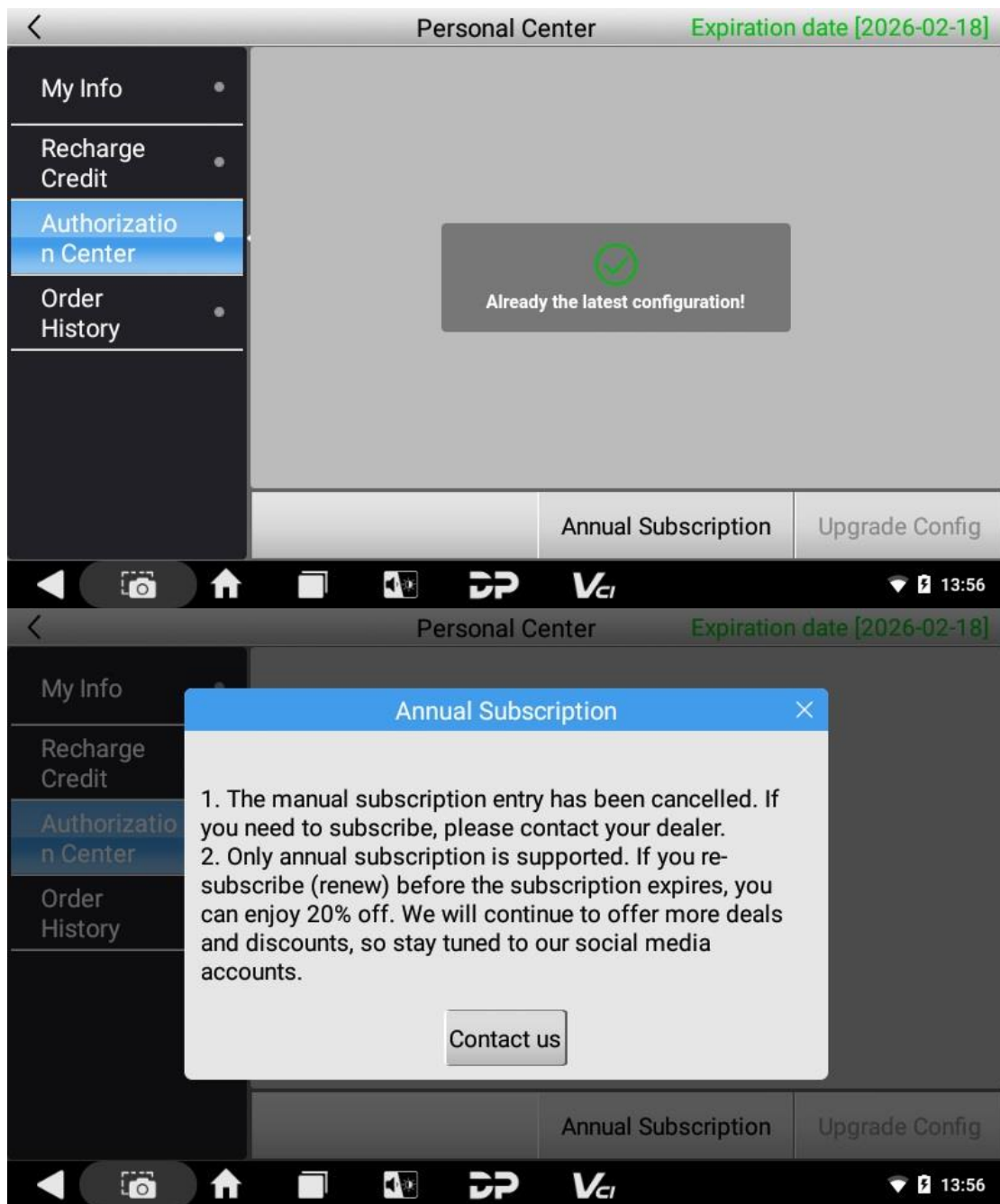
5.4 Recharge CREDIT

Here are two contact methods through which you can get in touch for recharge.



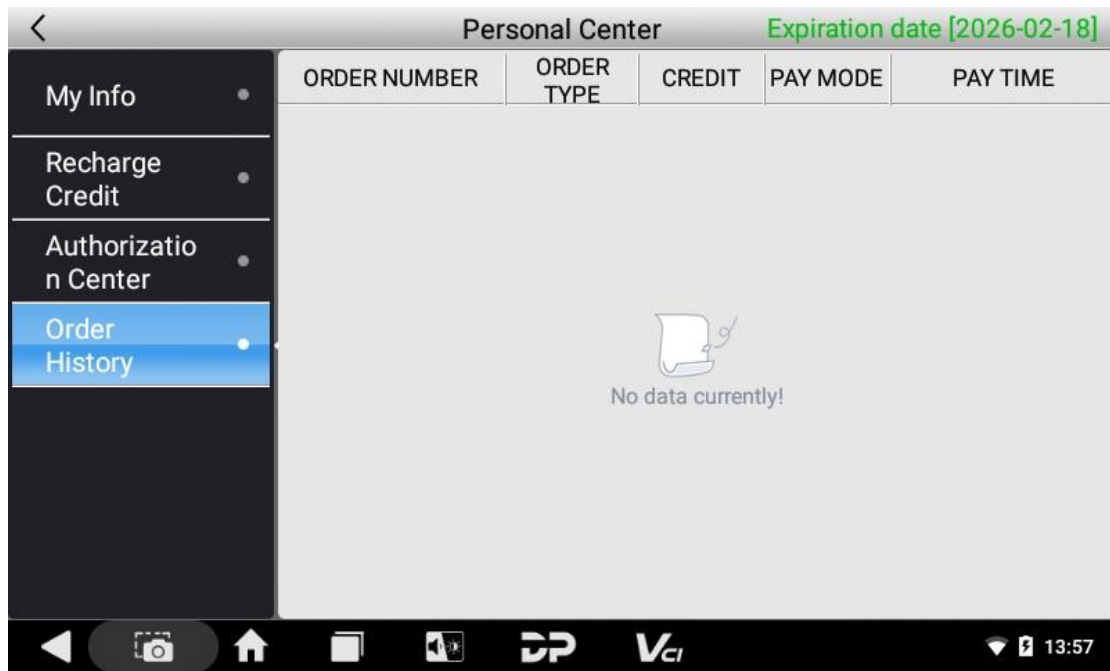
5.5 Authorization Center

This access for annual subscription and configuration upgrade has been cancelled. You can contact your dealer for details.



5.6 Order History

Select "Order history" to view your order records.

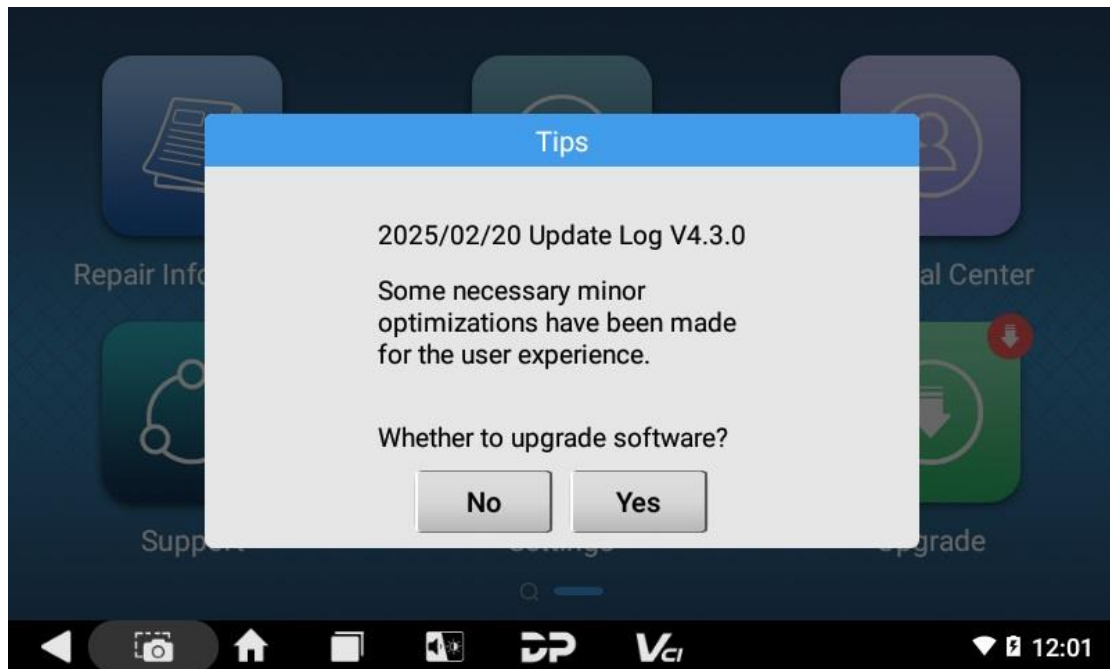


6 Upgrade

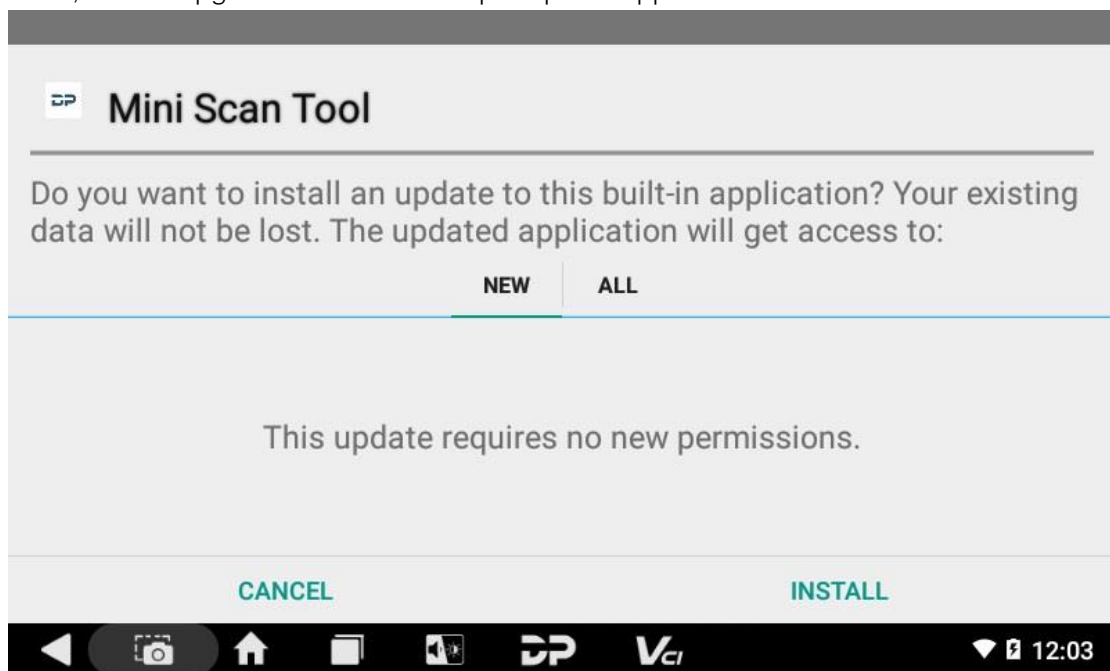
Users can download the basic data required for diagnosis, vehicle diagnostic software, data package, etc. in this function module. Please log in (please refer to the user registration/login process in the Personal Center section for details) before using Upgrade.

6.1 System Upgrade Detection

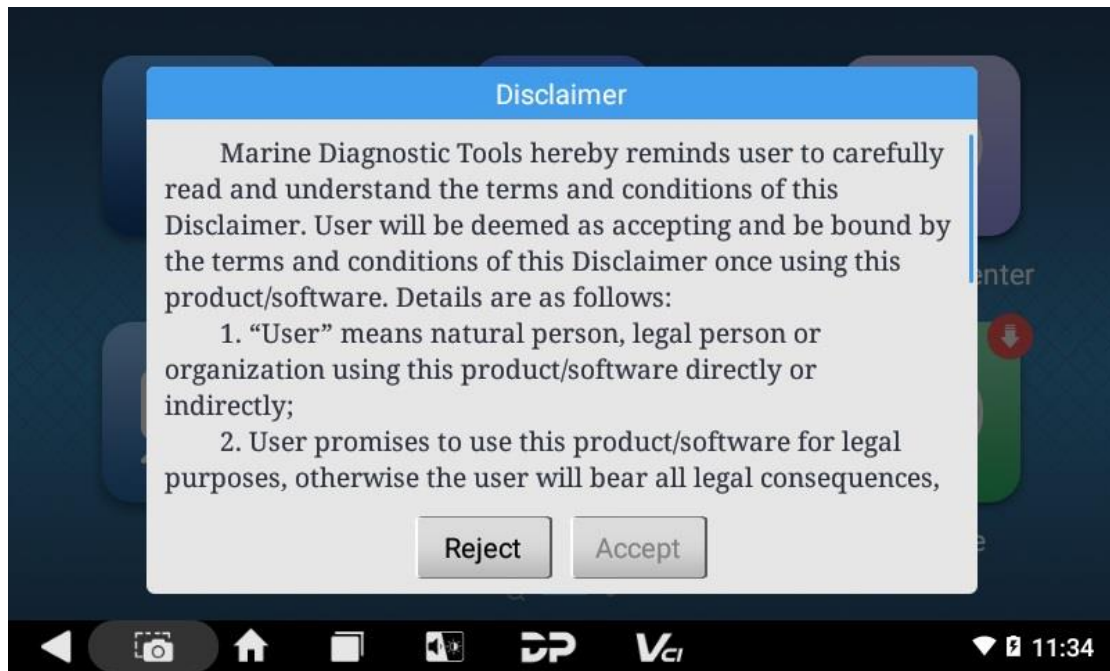
The system APK automatically detects the version. If there is a version update, a red dot will appear in the upper right corner of the upgrade icon. The first time you use it, you will be prompted "Whether to upgrade software?"



If you choose "NO" not to upgrade, you will return to the main interface directly; if you choose "YES", an APK upgrade and installation prompt will appear.



Tap **[INSTALL]** to upgrade and install the APK. After the upgrade is completed, a disclaimer will appear. Select **[Accept]** to open the diagnostic function interface.

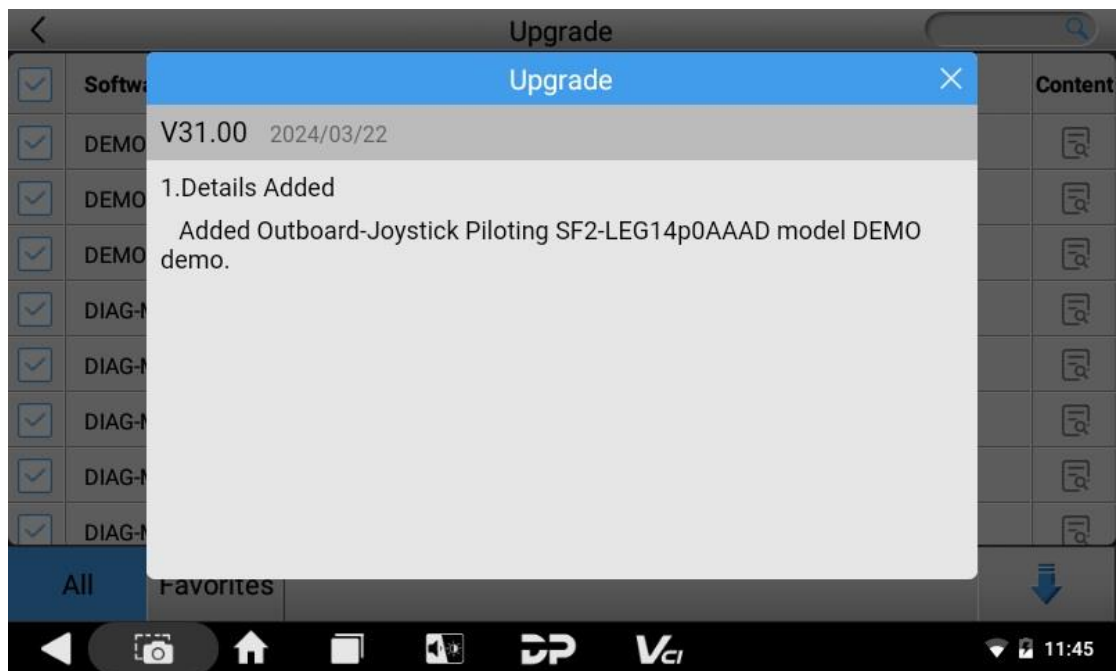


6.2 Diagnostic Function Upgrade

If you want to upgrade all available software, check the box in front of "Software name". Or, you can check and select the desired software one by one, then tap the arrow button in the lower right of the screen.

Upgrade					
☒	Software name	Current version	Downloadable	Size(21/21)	Content
☒	BASIC DATA- VCI COMM	—	10.47	241.57 KB	
☒	BASIC DATA-DIAG COMM	—	10.48	535.64 KB	
☒	BASIC-PROGRAMMER	—	10.14	597.62 KB	
☒	BASIC DATA-SOFTWARE	—	—	—	
☒	BASIC DATA-INFO	—	—	—	
☒	DEMO-MARINE-HONDA	—	33.00	10.86 MB	
☒	DEMO-MARINE-MERCURY	—	31.00	129.51 MB	
☒	DEMO-MARINE-YAMAHA	—	33.00	14.12 MB	
All		Favorites			

The last column of the list is the upgrade content. You can tap the icon button corresponding to the software to view what's new in the current version. See an example below.



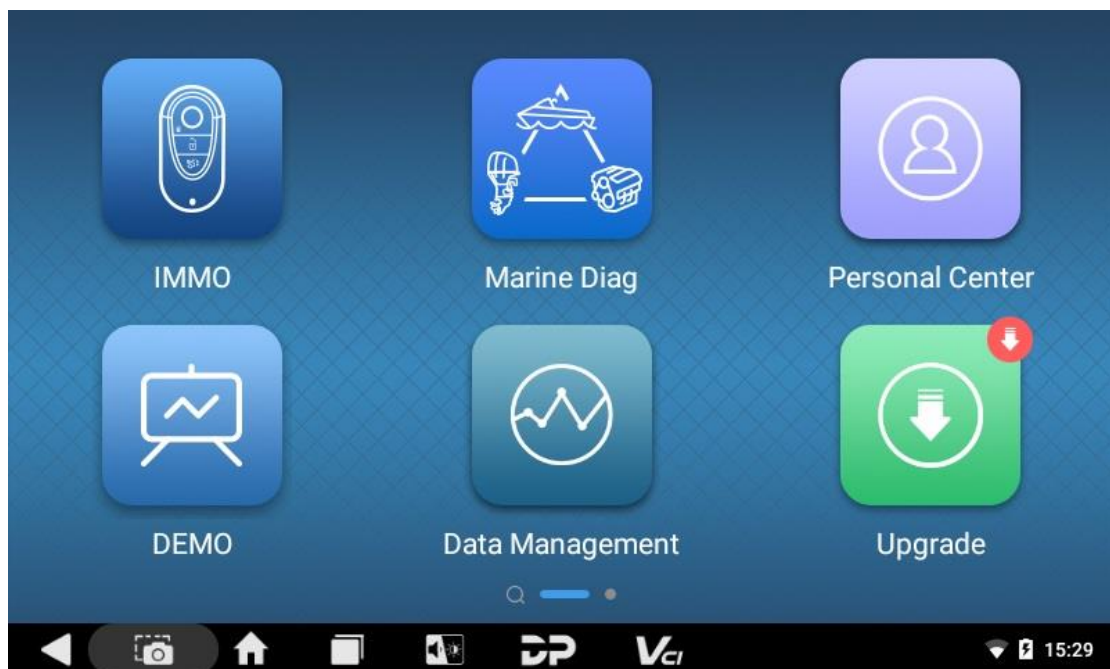
When you want to locate certain software in a long list, the search box (fuzzy search) in the upper right corner comes handy. See below:

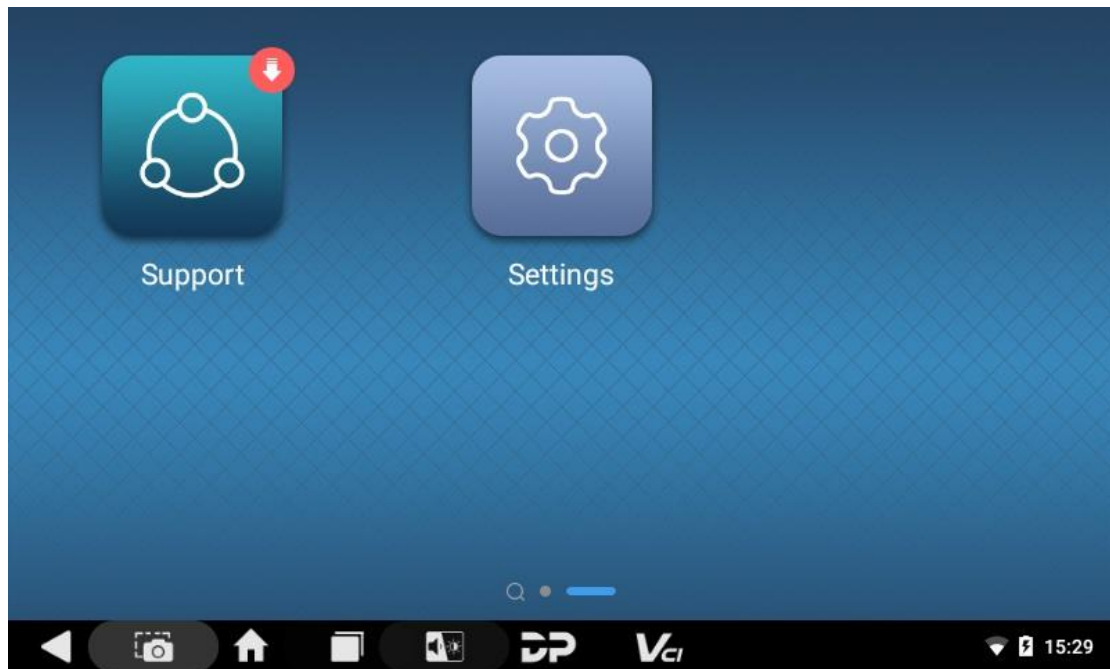


When the download is ready, a green circle will appear in the column of the corresponding software.

Upgrade					
☐	Software name	Current version	Downloadable	Size(3/6)	Content
☒	BASIC DATA- VCI COMM	—	10.47	✓	
☒	BASIC DATA-DIAG COMM	—	10.48	✓	
☒	BASIC-PROGRAMMER	—	10.14	✓	
☒	BASIC DATA-SOFTWARE	—	—	8.97 MB(1/12) 1.21 MB	
☒	BASIC DATA-INFO	—	—	🕒	
☐	DEMO-MARINE-HONDA	—	33.00	10.86 MB	📄
☐	DEMO-MARINE-MERCURY	Downloading, please try again after 10 download finished		129.51 MB	📄
☐	DEMO-MARINE-YAMAHA	—	33.00	14.12 MB	📄
All		Favorites		📶	

7 Diagnostic Software Main Interface Introduction





The main interface is divided into two pages, including the following functions:

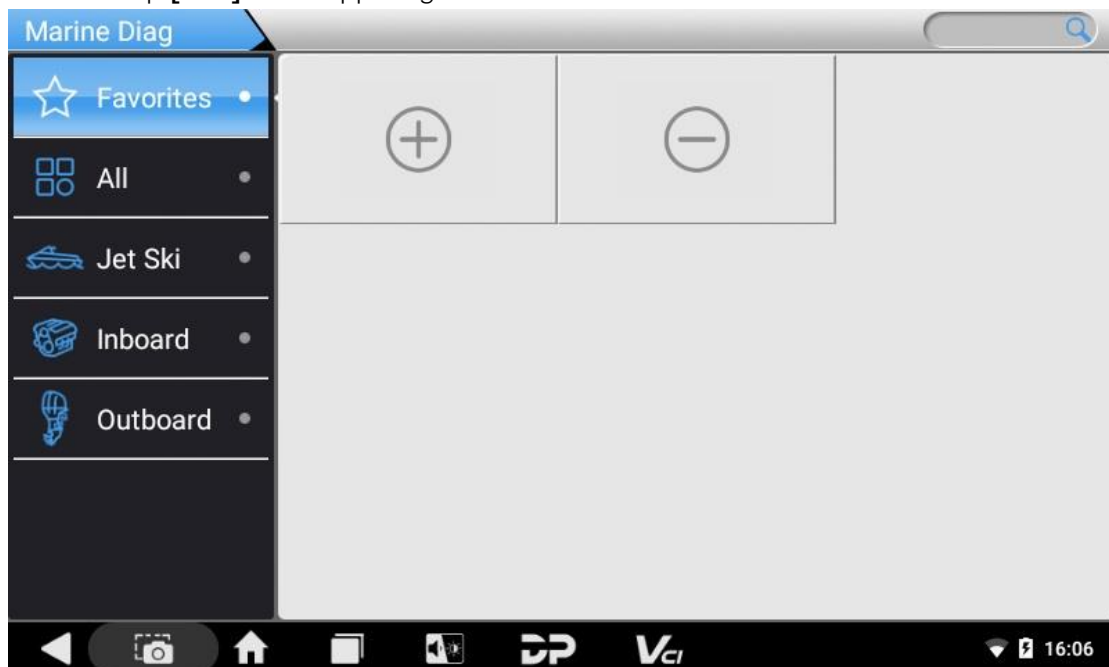
FUNCTION	DESCRIPTION
IMMO	It operates anti-theft system diagnosis.
MARINE DIAG	It is used for marine diagnosis.
Personal Center	It is used for checking personal account information, token information, etc.
DEMO	It provides operation demonstrations.
Data Management	It is used to check recorded data, diagnostic reports and other info, and to uninstall models.
Upgrade	It is used for diagnostic software update.
Support	It is used to check product manual and FAQs, as well as to upload logs, to give feedbacks on exceptions and to perform remote assist.
Settings	This section allows for language switching, unit system switching, workshop information editing, cache clearing, and more.

8 Start Diagnosing

Go to the DP main menu screen, and then choose **[Marine DIAG]** to open the vehicle brand selection page. The "All" menu will be displayed by default.



Select the Favorites option from the left side menu and then click **[+]** to add the models you would like to save as favorites. Check the box in the upper right corner of the vehicle logo, and then tap **[Add]** in the upper right corner of the screen.





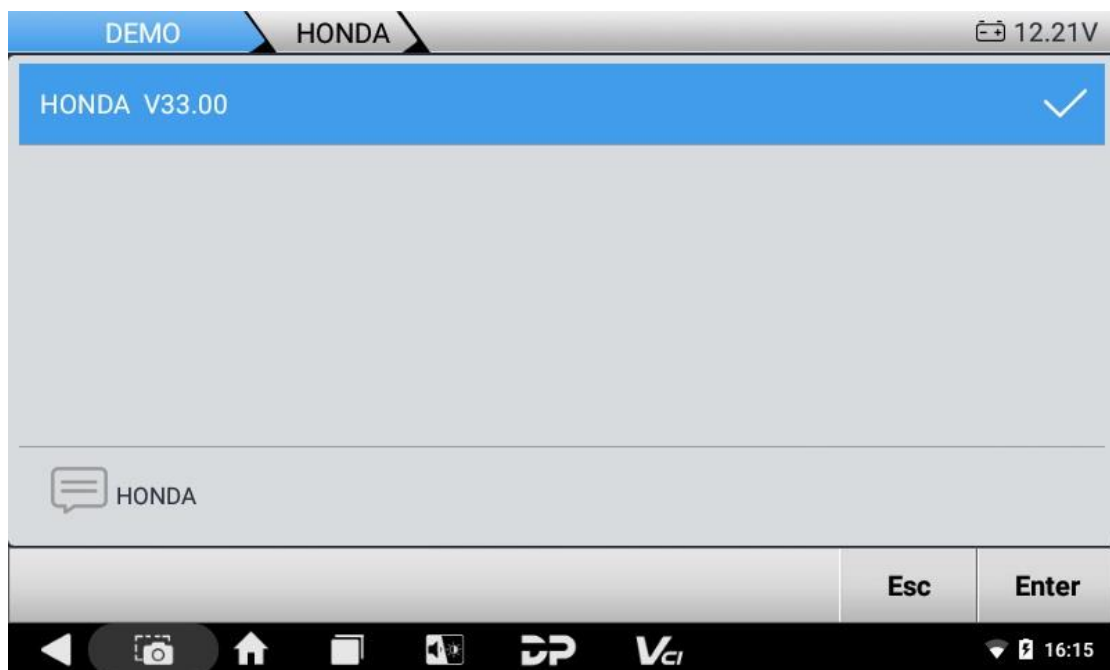
To delete vehicles from Favorites, click **[-]**, check the box in the upper right corner of the vehicle logo, and then click **[Delete]** in the upper right corner of the screen.



The following takes HONDA as an example to introduce how to start diagnosis. Click the **[HONDA]** icon.



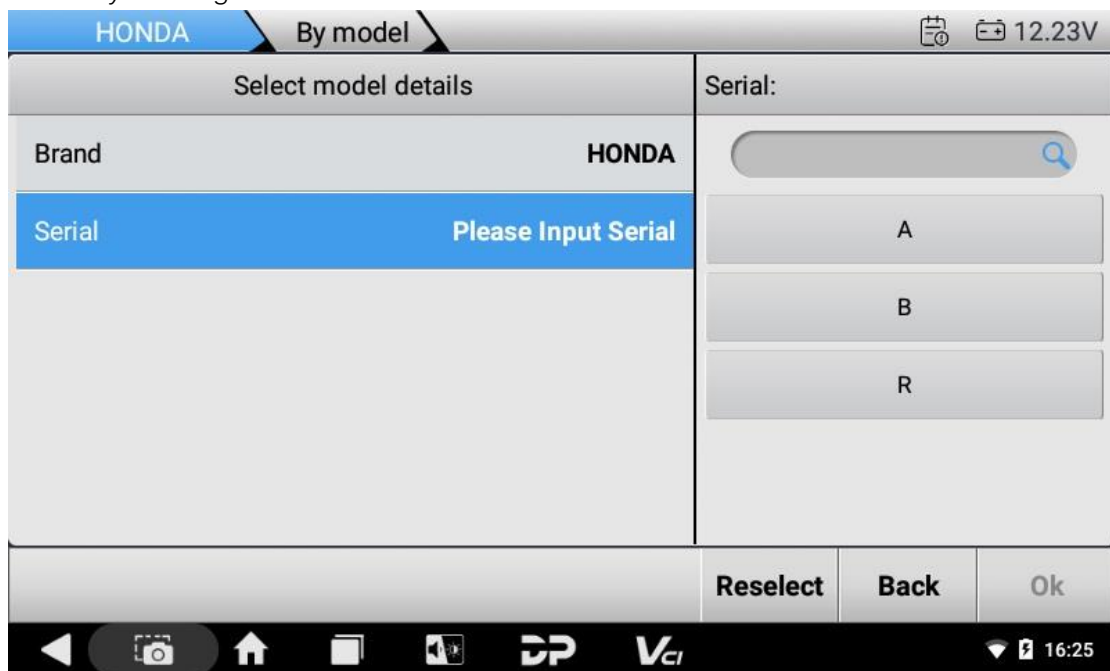
Select software version.



Access the Diagnosis function.



On the model selection screen, you can select models by alphabet or search for the vehicle model by entering its name.



Here's an example for model AquaTrax F-12 (ARX1200N3).

HONDA		By model		12.22V	
Select model details					
Brand	HONDA >				
Serial	A >				
Model	AquaTrax F-12 (ARX1200N3) >				
Capacity(cc)	1235 >				
Type	PWC (Personal Watercraft) (2004-) >				
				Reselect	Ok

Go to the ENG system.

HONDA		00N3)/1235/PWC (Personal Watercraft) (2004-)		12.23V	
1 ENG					
				Esc	Enter

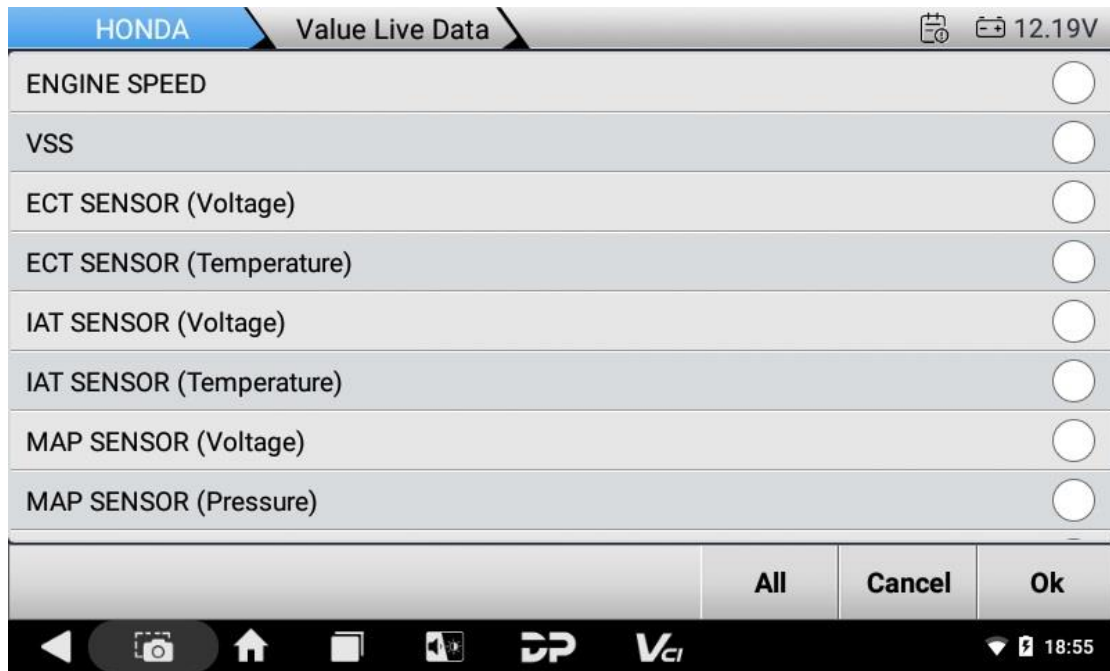
Access ENG system function menu.



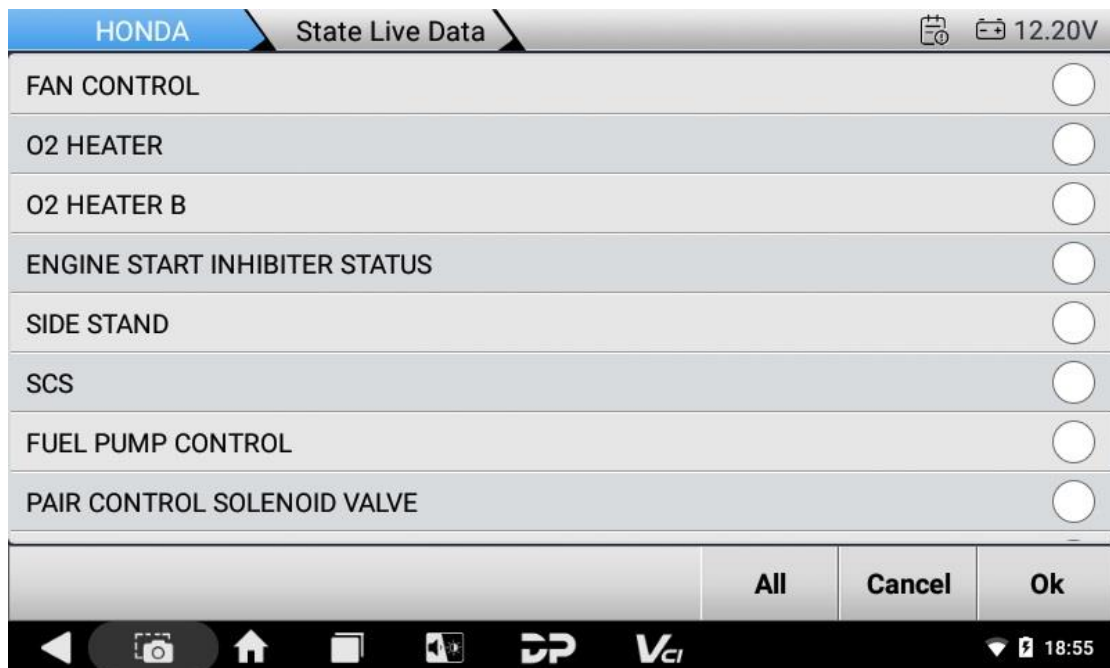
1) ECU Information



2) DTC

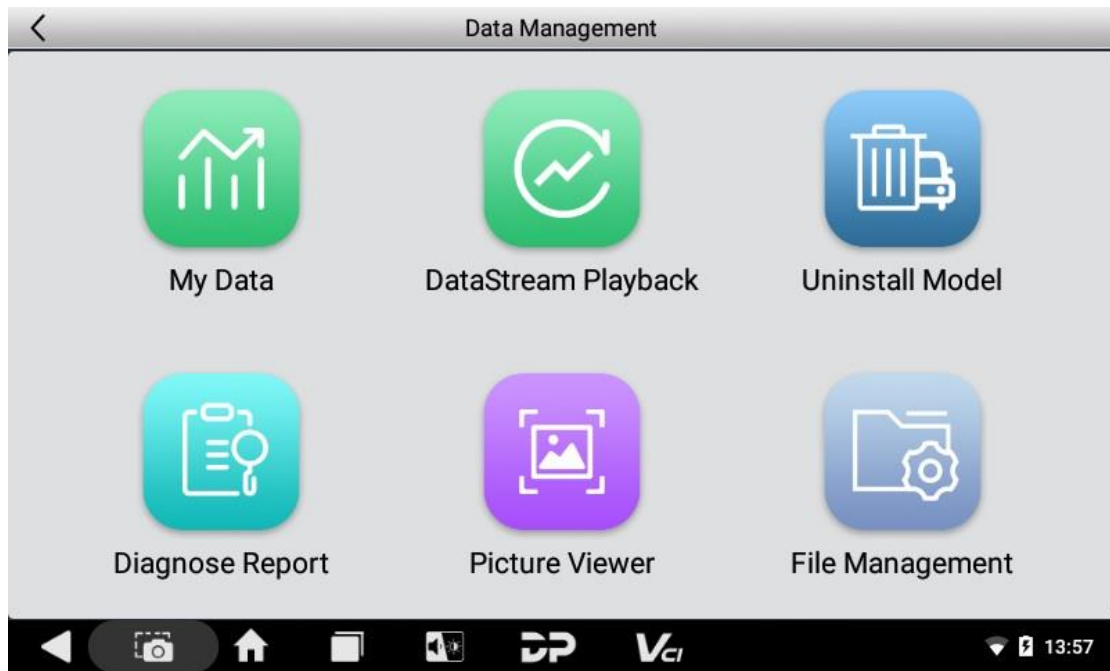


- State live data:



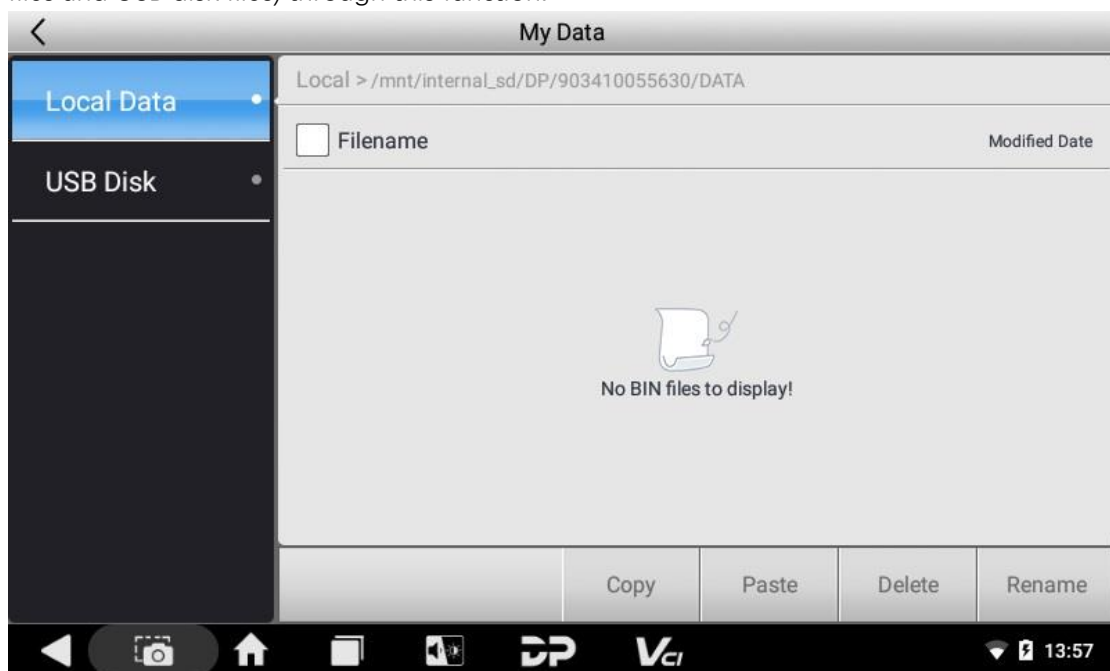
9 Data Management

This module includes My Data, DataStream Playback, Uninstall Model, Diagnose Report, Picture Viewer, and File Management.



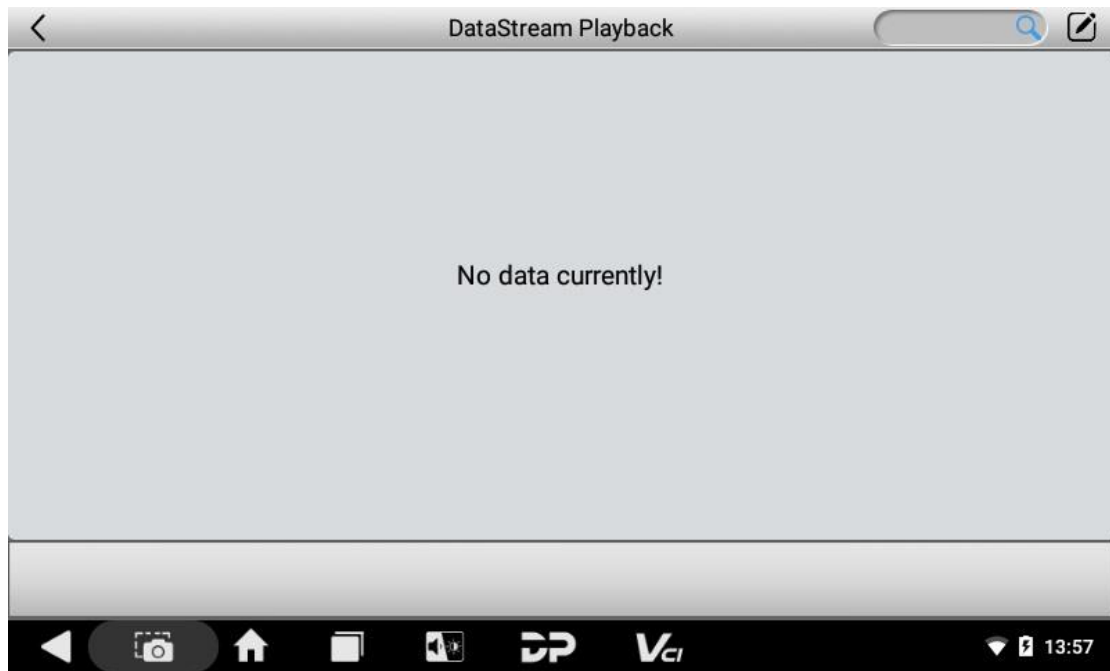
9.1 My Data

The user can view, copy, paste, delete, and rename data files (such as backed up ECU flash files and USB disk files) through this function.



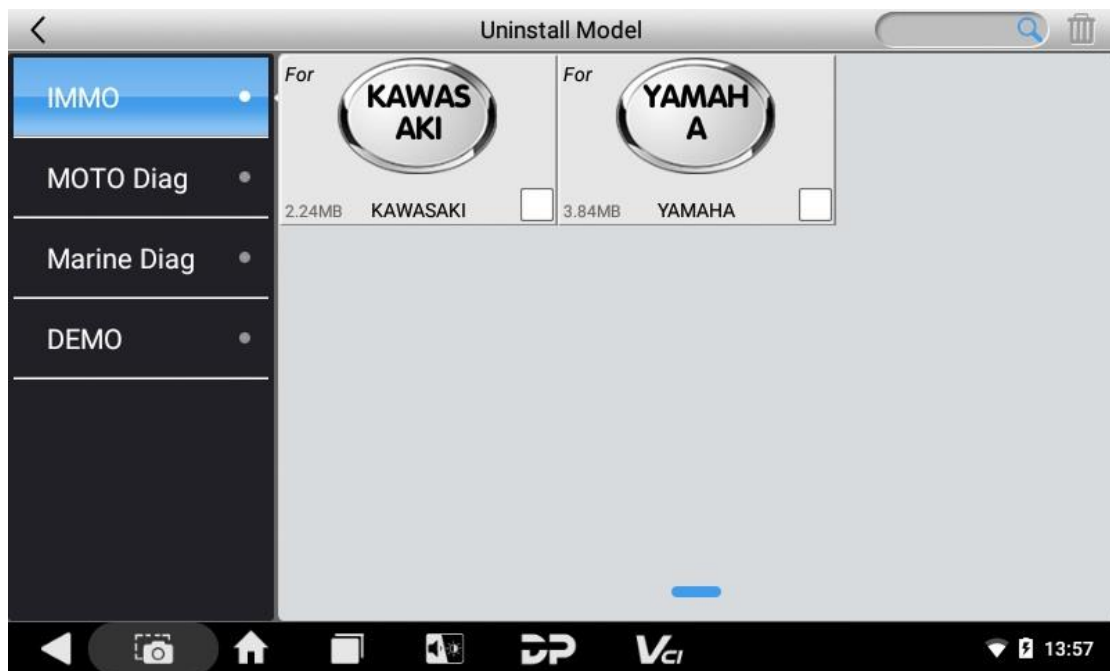
9.2 DataStream Playback

This product features real-time data recording and playback, enabling dynamic comparisons within the same interface. This simplifies the quick detection of abnormal data.



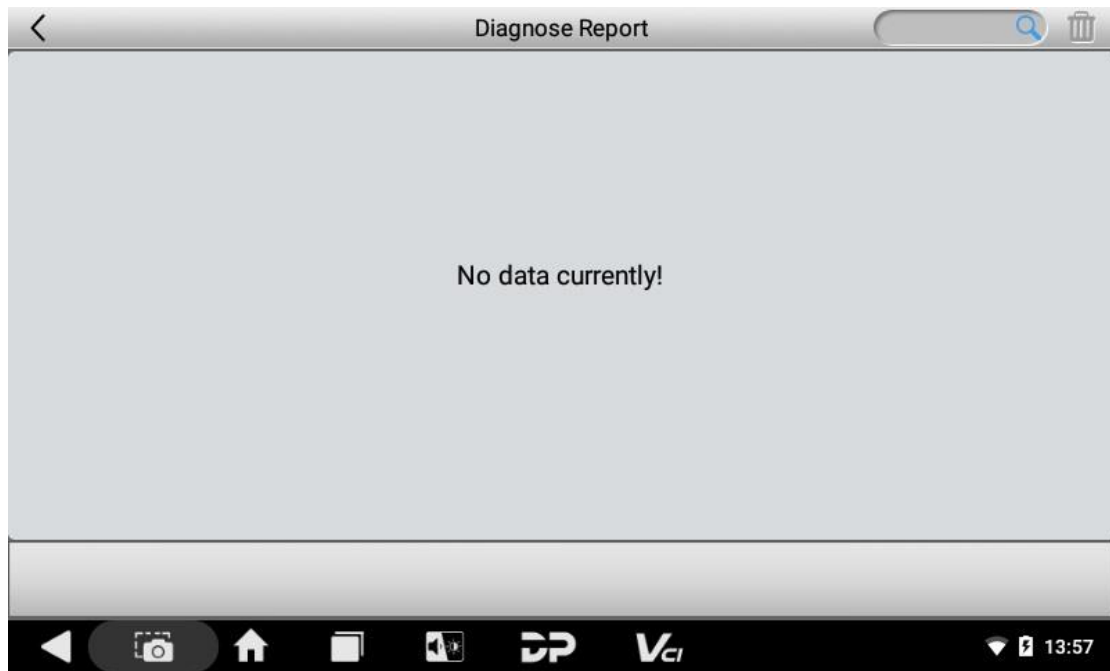
9.3 Uninstall Model

You can uninstall related vehicle models.



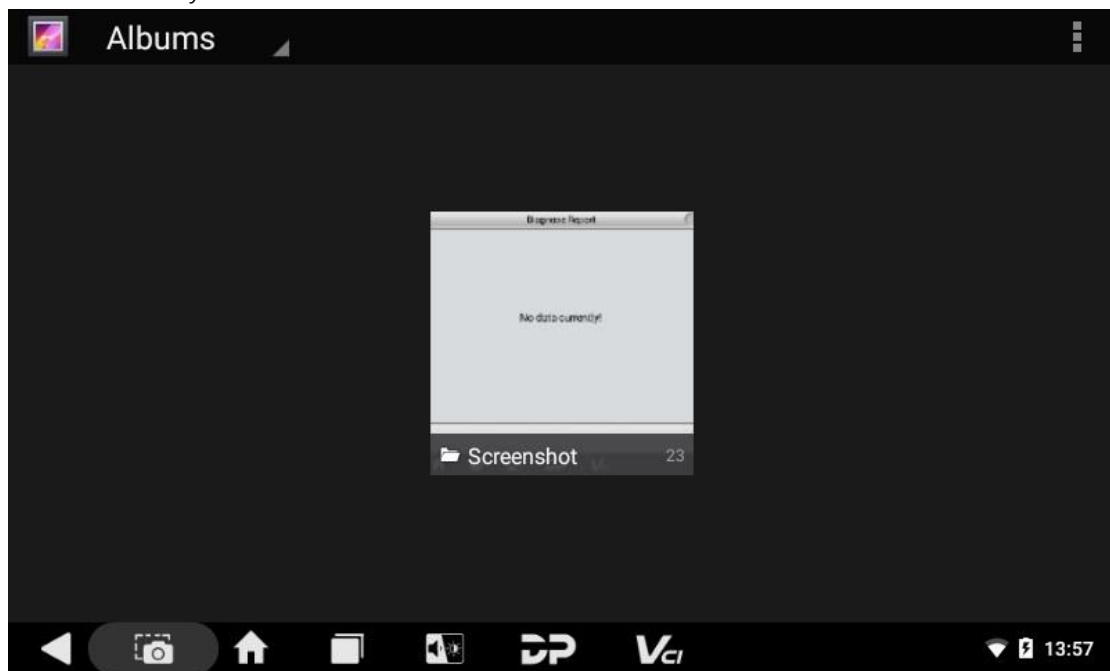
9.4 Diagnostic Reports

You can view your diagnosis reports here.



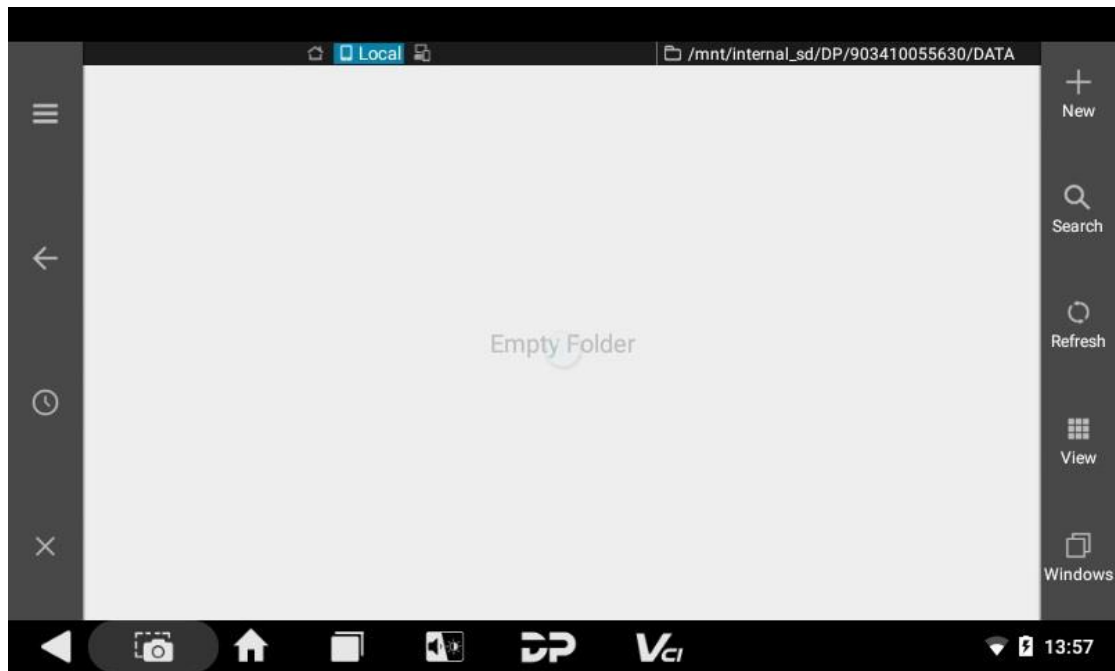
9.5 Picture Viewer

You can check your screenshots.



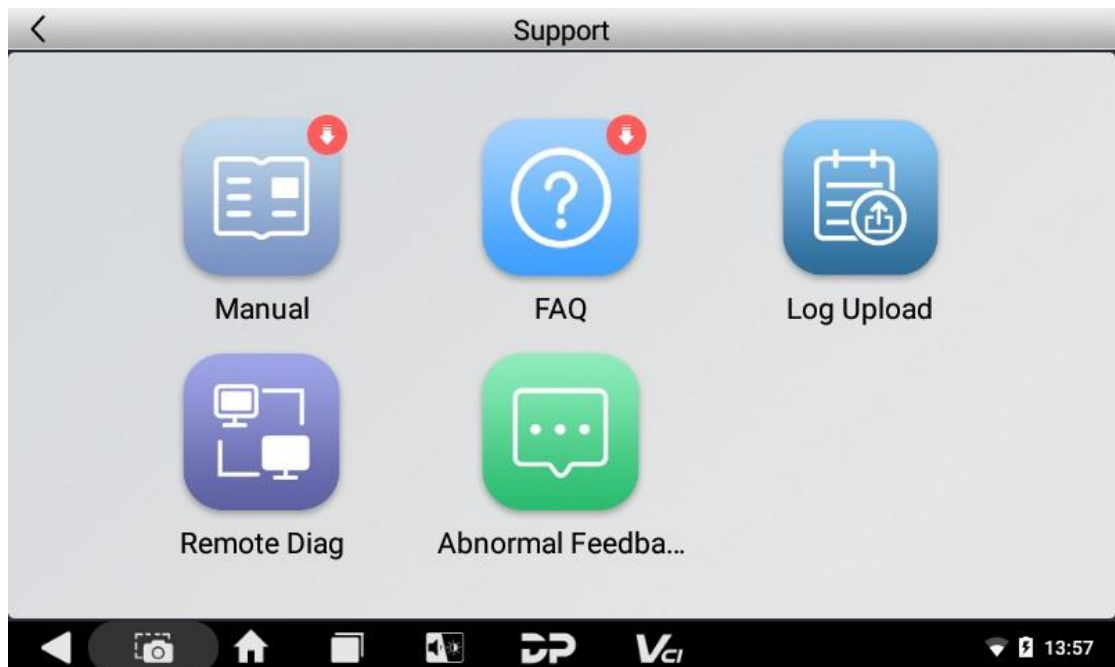
9.6 File Management

Users can manage U disk files, backed-up files and other files through this function.



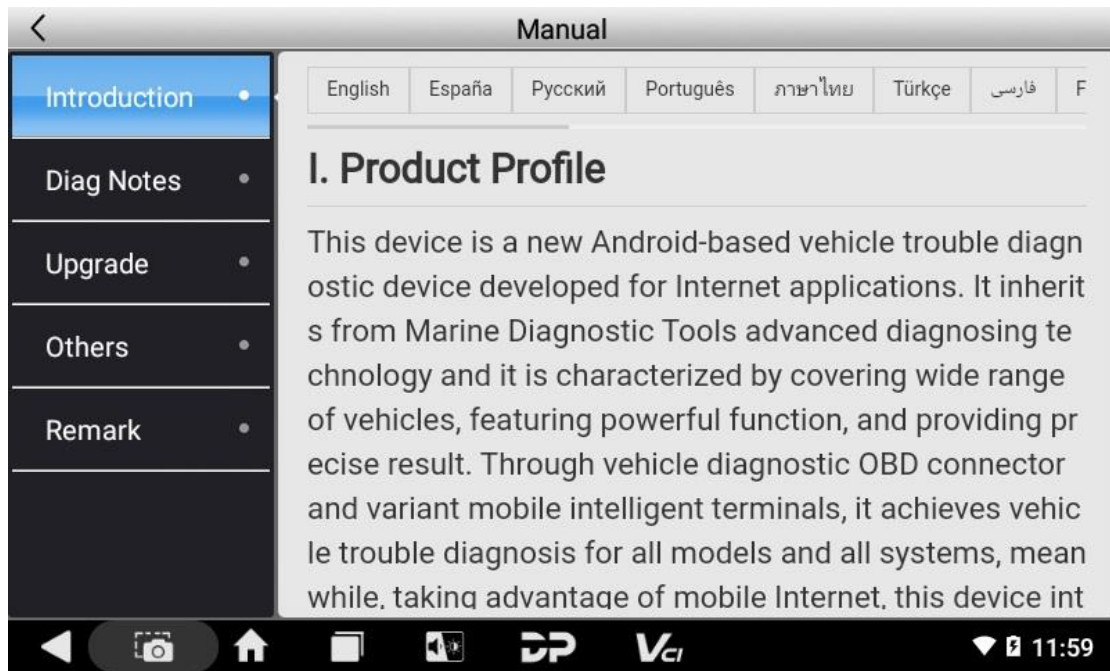
10 Support

The sub-modules of this function module are Manual, FAQ, Log Upload, Remote Diag, and Abnormal Feedback.



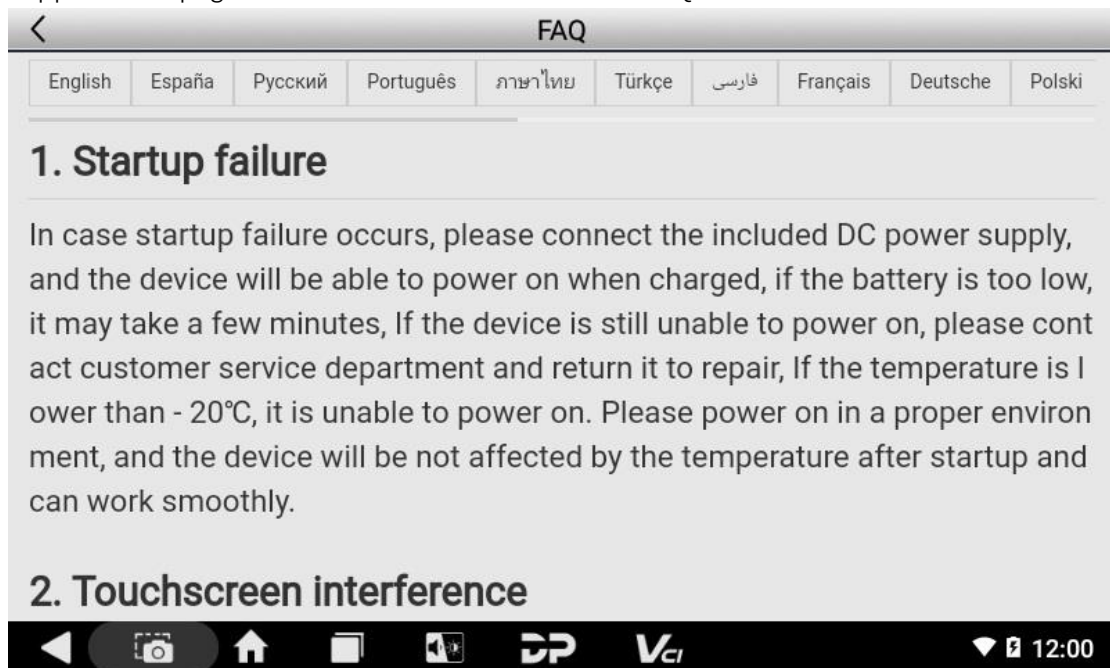
10.1 Manual

For the first time use, the user can see a download prompt after tapping **[Manual]** on the Support main page. Download to view the content.



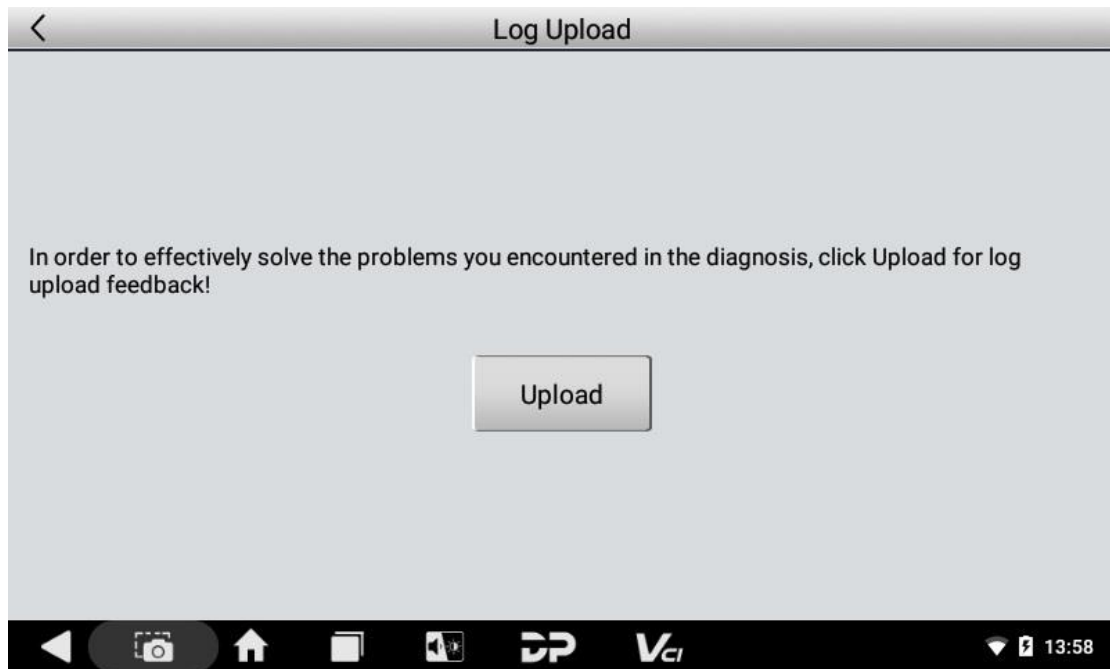
10.2 FAQ

For the first time use, the user can see a download prompt after selecting **[FAQ]** on the Support main page. Download to see the content of FAQ.



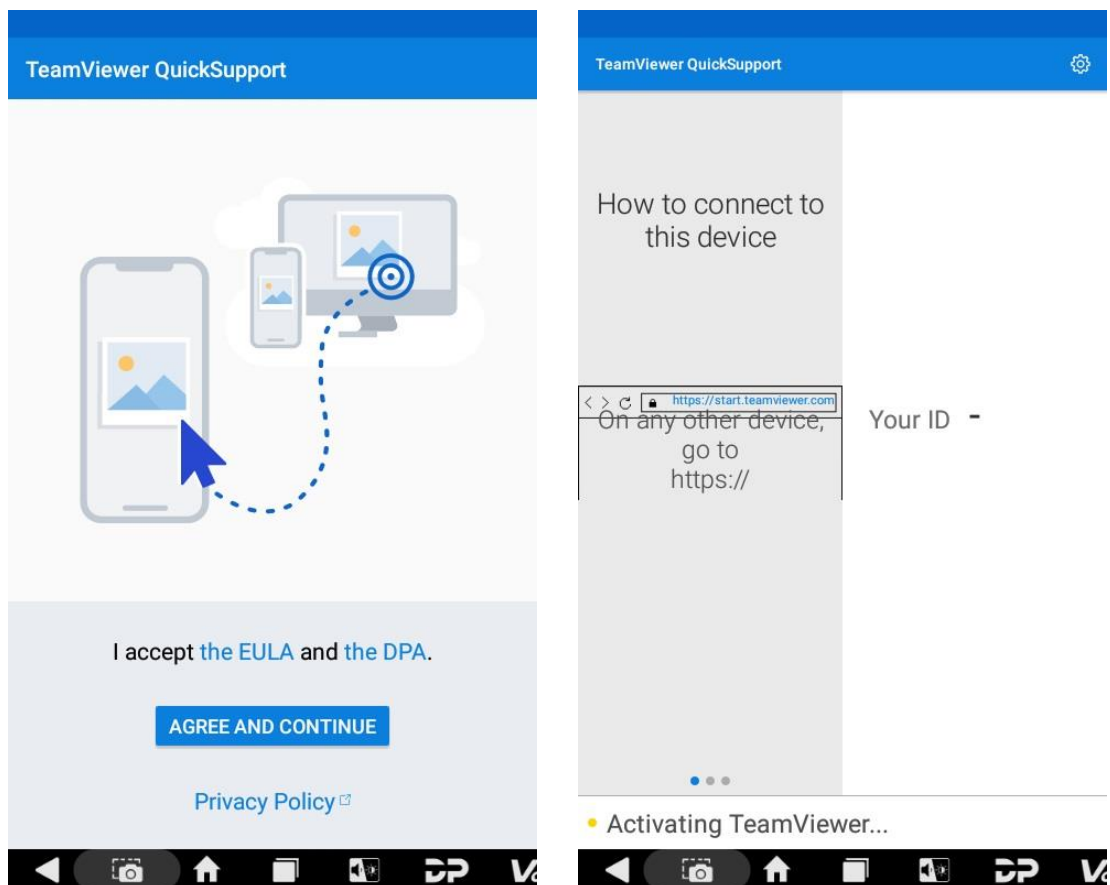
10.3 Log Upload

After selecting the **[Log Upload]** on the Support main page, the user can see the screen shown in the figure below. Tap **[Upload]** to upload your log.



10.4 Remote Diag

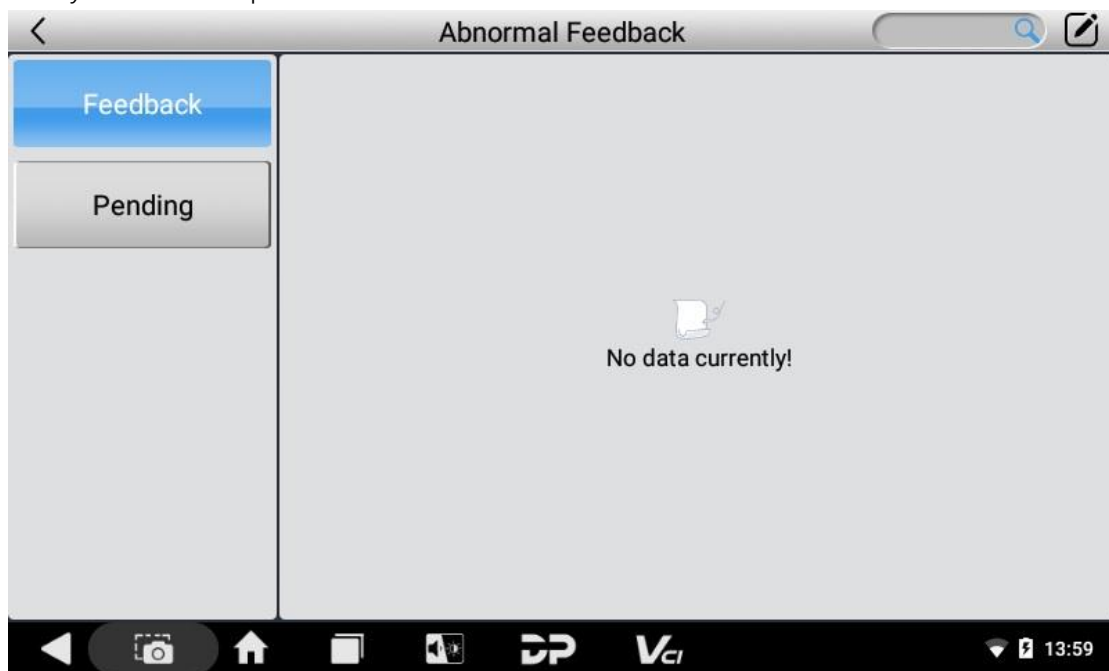
For the first time use, the user can see Policy and Agreement page after tapping on **[Remote Diag]** on the Support page.



After you fully read the EULA, the DPA and the Privacy Policy, tap the **[AGREE AND CONTINUE]** button, then follow the instructions and you will eventually see a screen showing your ID. Inform the other party of "Your ID", then the other party can apply to connect to this tablet, and the remote assistance can get started after you agree.

10.5 Abnormal Feedback

This feedback record is divided into two categories, "Feedback" and "Pending". "Feedback" is the record that the user has uploaded to the server by tapping **[OK]** after completing the data editing, while "Pending" is the record that the user has tapped the **[Save]** button to save locally but has not uploaded.



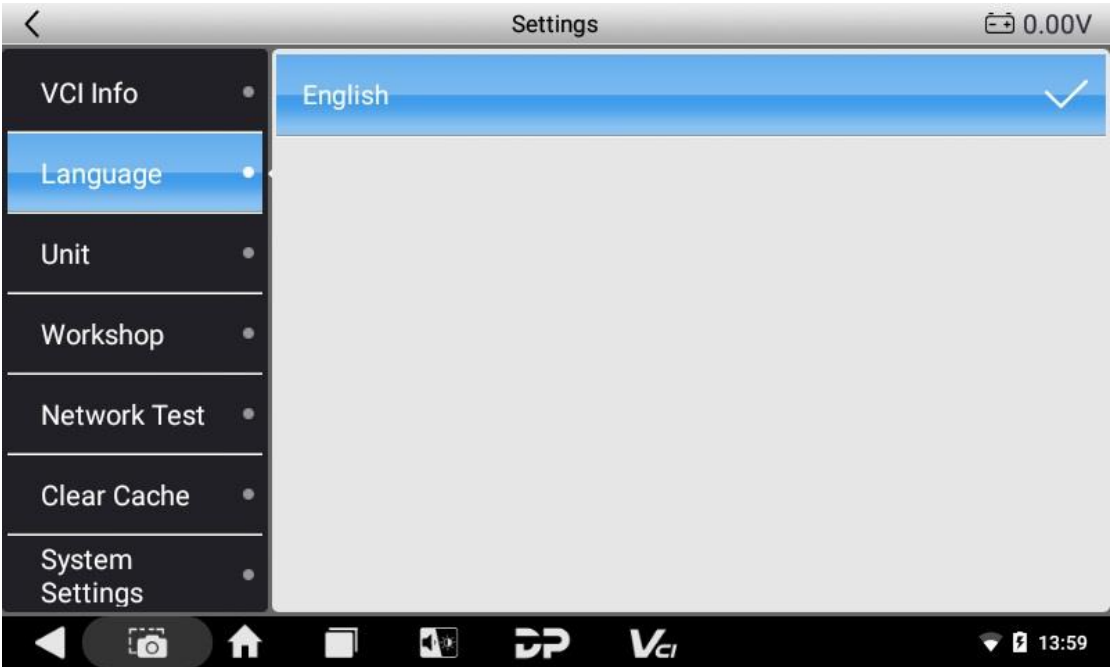
11 Settings

It includes VCI Info, Language, Unit, Workshop, Network Test, Clear cache, System Settings, DC Calibrate, and About.

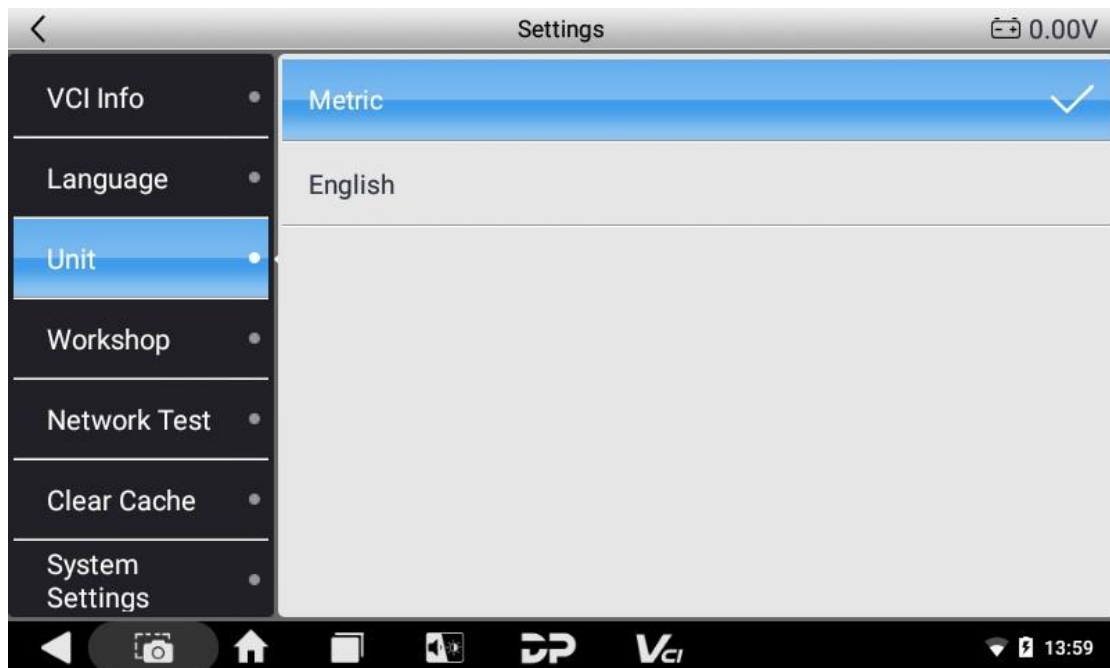
11.1 VCI Info



11.2 Language

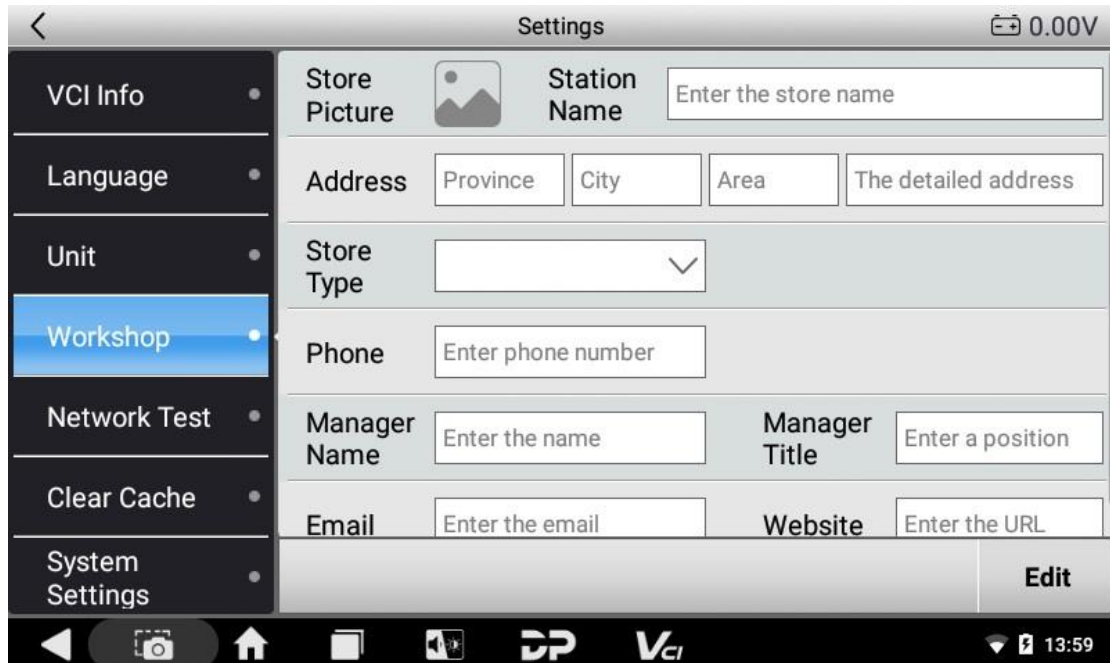


11.3 Units



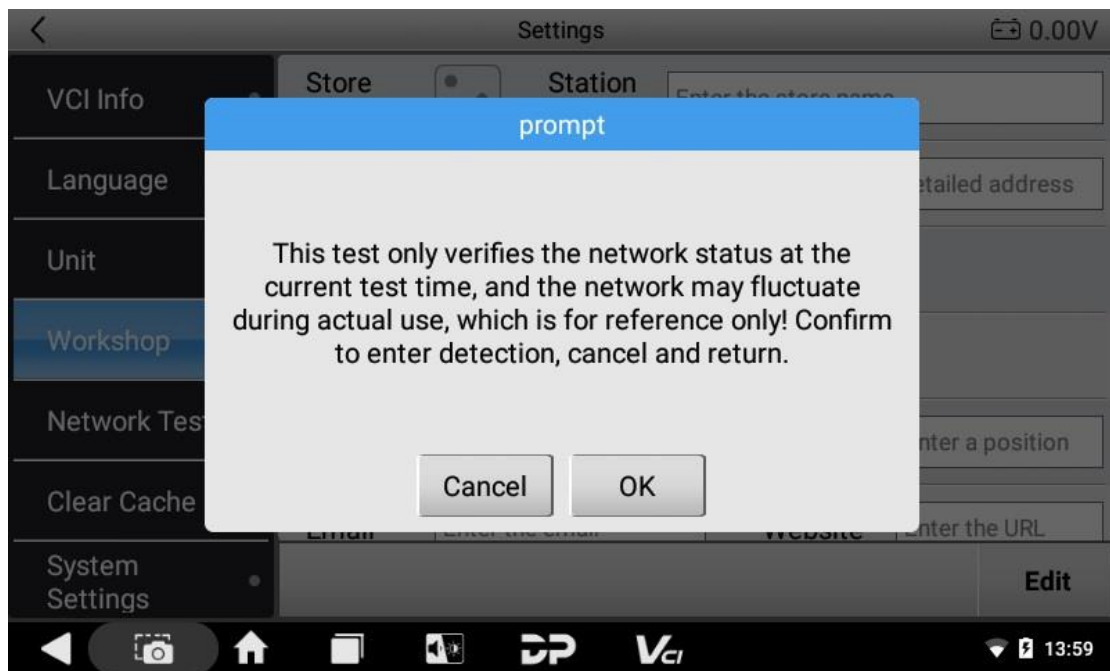
11.4 Workshop

After tapping **[Workshop]** in the Settings menu, you can edit the information for your garage.

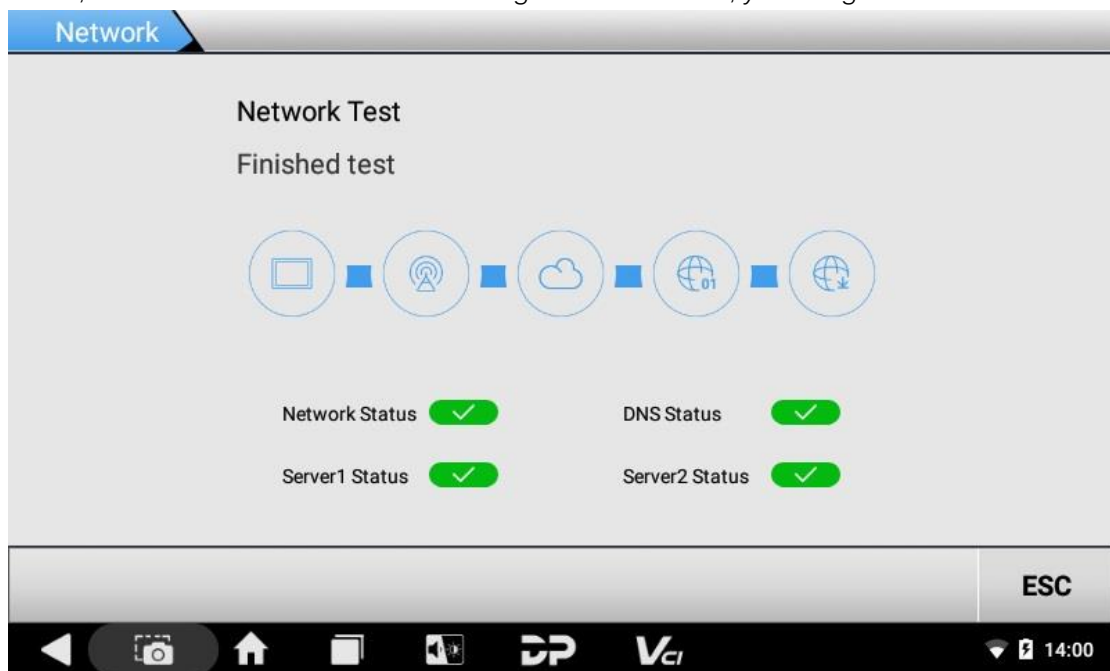


11.5 Network Test

Select **[Network Test]** on the Settings page, and confirm the prompt info to start the test.

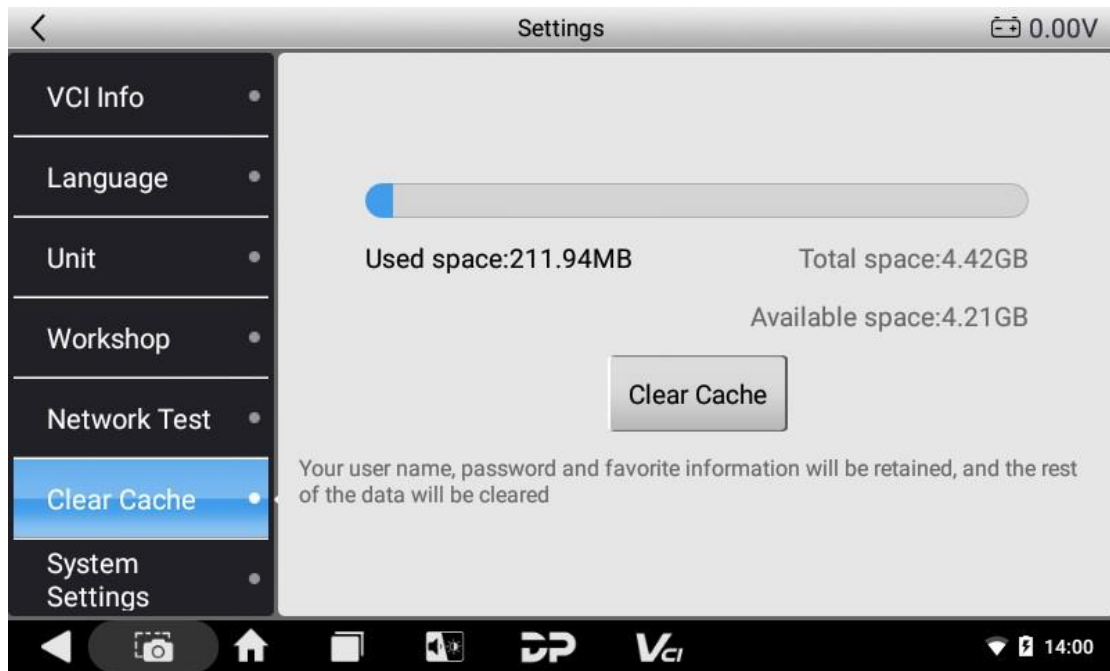


The items to be detected includes network connection status, DNS resolution status, server 1 status, and server 2 status. If the item being tested is normal, you will get below results.



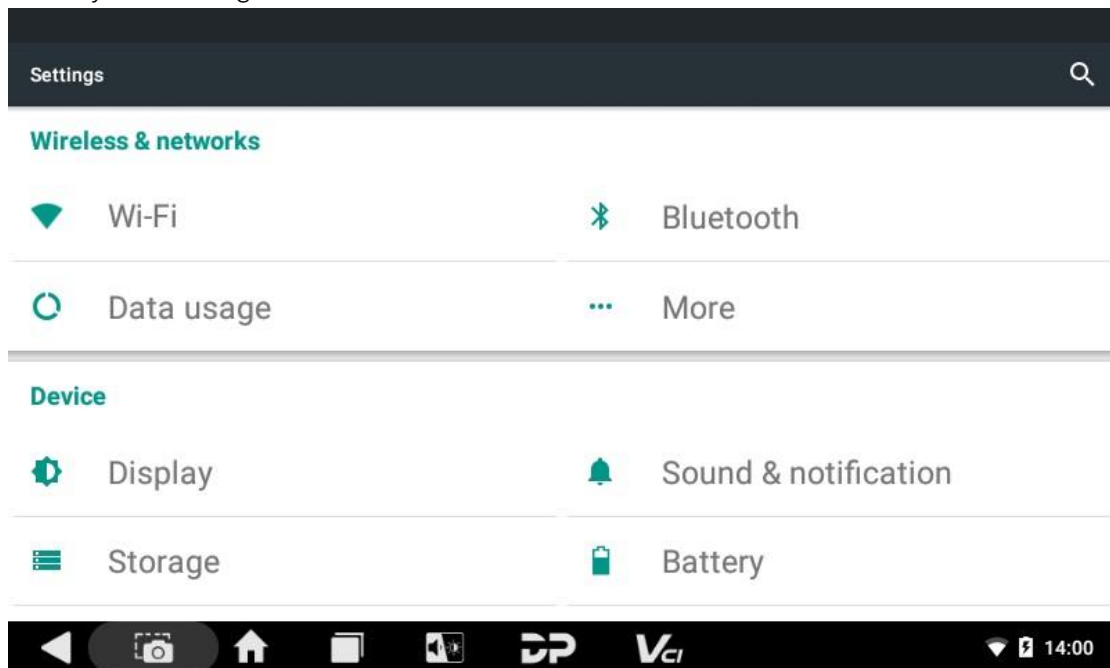
11.6 Clear Cache

When your device is frozen due to insufficient space, you can try tapping **[Clear Cache]** to solve the problem.

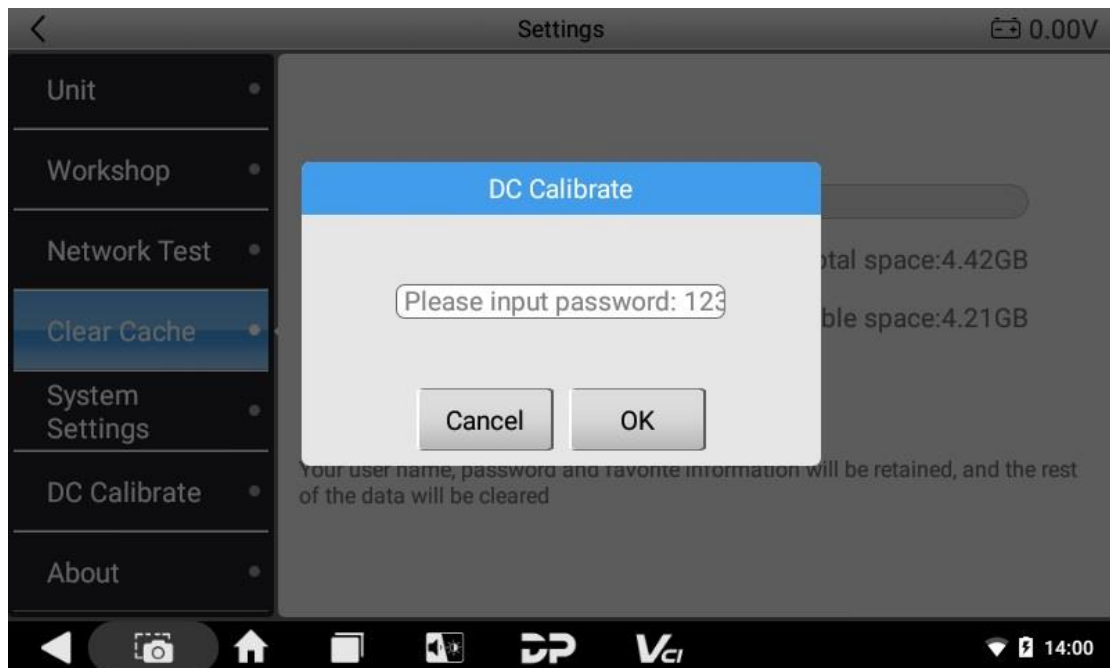


11.7 System Settings

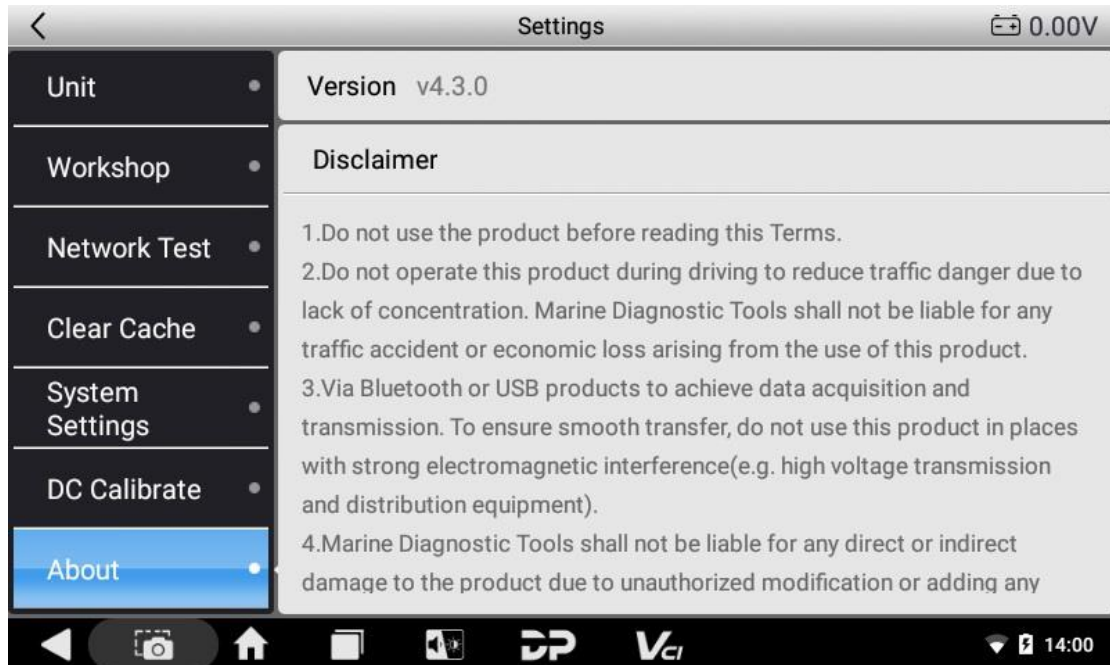
After tapping **[System Settings]** on Settings main page, you can set network connection and other system settings.



11.8 DC Calibrate



11.9 About



12 Other Apps

12.1 Wi-Fi

You can connect to WLAN (Wireless Local Area Network) to surf the Internet and download software.

12.1.1 Turning Wi-Fi On

- a) On the desktop, select **[Settings]** > **[Wi-Fi]**.
- b) Tap the toggle switch. If the switch turns blue, it indicates that Wi-Fi is activated.

12.1.2 Connecting to WLAN

Once you turn on WLAN, the system will automatically detect and show available networks. Select the desired network, input the password, and then you can surf the internet.

12.2 Browser

After connecting to the Internet, you can use the browser.

12.2.1 Opening the Browser

Select the browser icon on the desktop. This product is configured with Microsoft Edge. If you are using the application for the first time, before visiting the browser homepage, you need to choose whether to log in and whether to set a default homepage.

12.2.2 Browsing a Webpage

- a) After opening the browser, tap the address input field (see below), enter the web address you would like to visit.



Tip: For non-first-time visits, you can tap , select "Bookmarks" from the pull-down list, then you can switch to "HISTORY" or "SAVED PAGES" according to your needs to directly select the site you have visited before.

- b) Once the page is open, slide your finger on the screen to view the content.

12.2.3 Zooming In/Out

Concentrate two fingers on the area to be zoomed, then separate your fingers to zoom in or pinch to zoom out.

12.2.4 Saving Your Favorite Webpage to Bookmarks

- a) While browsing a webpage, tap , and choose "Save to bookmarks".
- b) Edit a label for the bookmark (you can keep the default label).
- c) Tap **[OK]** to save your bookmark.

12.2.5 Creating New Pages

The browser allows you to open multiple web pages and you can toggle between these pages.

- a) While browsing a webpage, tap , then tap  to create a new tab.
- b) You can visit another website in the new tab.

12.2.6 Customizing Browser Settings

Open the browser, tap on , select **[Settings]** from the menu, and then you can check or modify your browser settings, which contains General, Privacy & security, Accessibility, Advanced, Bandwidth management, and Labs.

12.3 Calculator

You can use the calculator to perform basic algorithms for addition, subtraction, multiplication, and division, as well as functional algorithms such as sin, cos, tan, ln, and log.

12.4 Gallery

This option is used to manage picture and video files.

- Opening the Gallery

Go to the main menu screen, select "Gallery". The system searches images and videos in this device and SD card automatically, and categorizes them into corresponding folders.

- Viewing an Image
 - On the main menu screen, tap "Gallery".
 - Tap the picture folder you want to view.
 - Select the desired image.
 - Swipe the screen rightwards or leftwards to view the next/previous picture.

12.5 Clock

Expand the hidden menu at the bottom of the desktop, tap the clock icon. Its functions include: alarm, clock, timer, stop watch, settings, etc.

12.5.1 Alarm

- a) Select  ALARM in the main menu of the Clock.
- b) Select  to add an alarm.
- c) Set the alarm time in the popup window. Then, tap **[OK]** to save the set time.
- d) In the corresponding time column, check Repeat and select days. All is selected by default. Days to repeat the alarm will be circled in white, whereas days when the alarm is ignored will appear with the original blue background. In addition, you can set a ringtone and a label for the alarm in question, or just delete the set alarm. Tap  to hide details and save your alarm. The bar button after each alarm time indicates the status of the alarm, with red for active and white for inactive.
- e) Tap the arrow button after the time to be deleted to expand the hidden information, then tap  to delete.

Tip: After deleting a set time, you can undo the deletion by selecting the **[Undo]** option on the right in the pop-up menu.

12.5.2 Timer

- a) Select  TIMER in the main menu of the Clock.
- b) Use the numeric keypad on the right to input the time (e.g., enter 123 for a timer of 1 minute and 23 seconds).
- c) Tap  to start the countdown, or tap  to pause.

- d) What's more, you can select  to add a new timer, or select  to reset the current timer or select  to delete it.

Tip: An alarm will go off when the time is up.

12.5.3 Stopwatch

- a) Select  STOPWATCH in the main menu of the Clock.
- b) Tap  to start the count, or tap  to pause.
- c) Tap the  button. The right side of the screen will record the second-round stopwatch timing, and each subsequent tap on this button will start a new round of timing (third round, fourth round, etc.), continuing in this manner. Meanwhile, the left side will continue to count from the moment the start button was tapped.
- d) Tapping  can reset the stopwatch.

12.5.4 Custom Settings

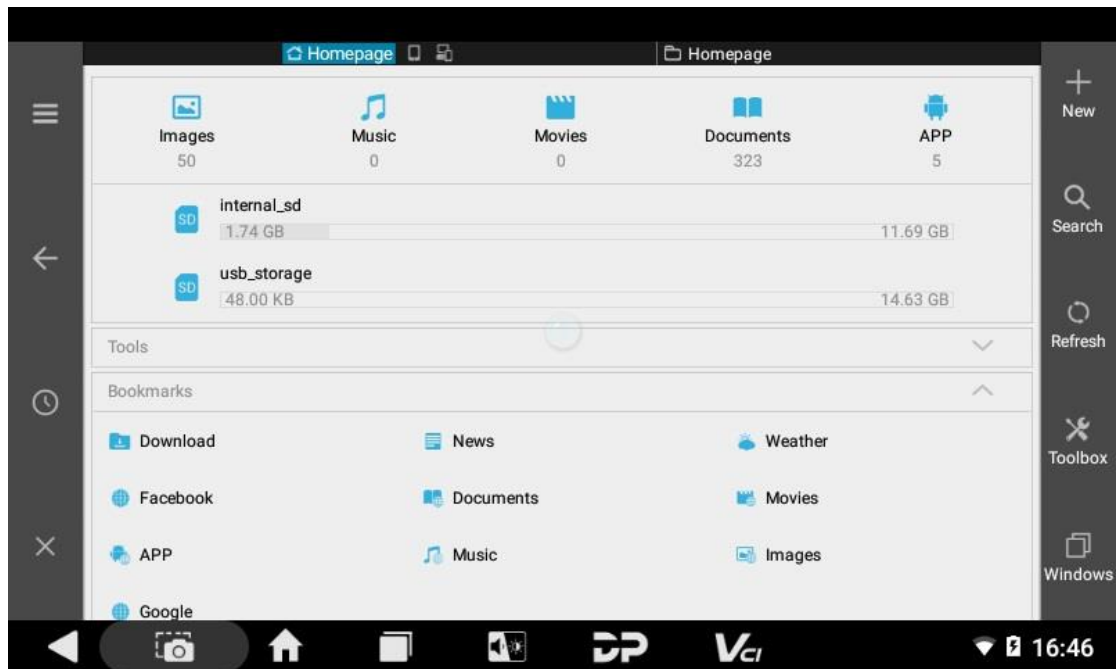
- a) Select  in the main menu of the Clock, then select **[Settings]** in the dropdown box.
- b) Clock Settings: Allows you to set the time display style (digital or analog), show seconds, use home clock, apply the home time zone, and change the date and time.
- c) Alarm Settings: Allows you to set how long the alarms will go off, set snooze length, set volume and so on.

12.6 ES File Explorer

With this application, you can manage the on-device files and send files to a computer via a U drive.

12.6.1 How to Transfer Files Using a USB Flash Drive

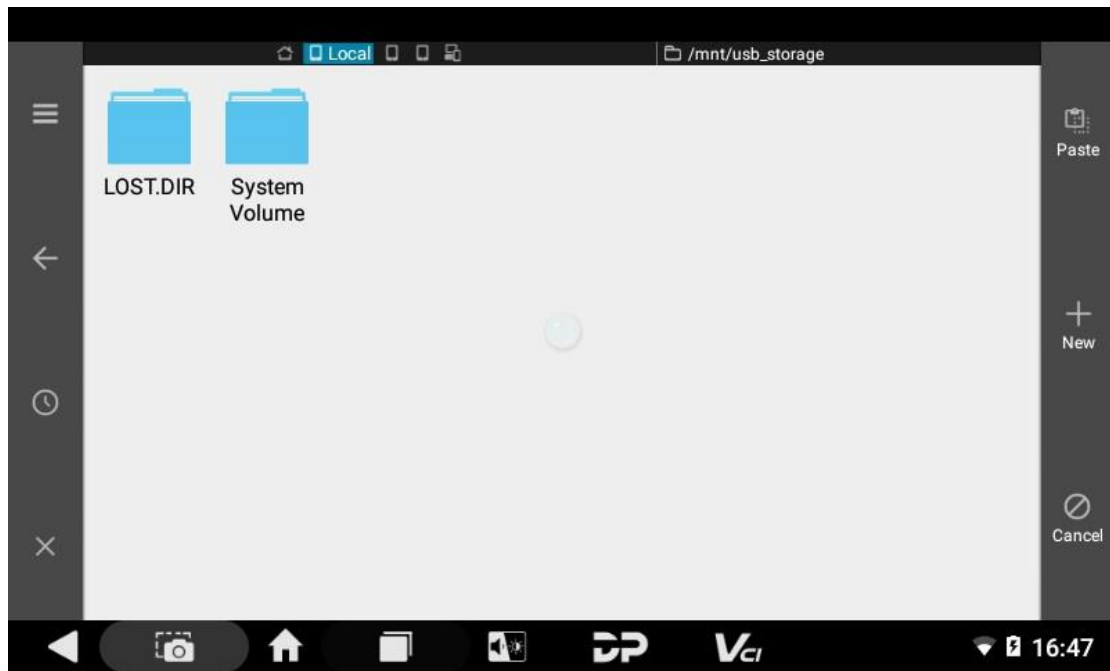
- a) Insert the USB flash drive into the USB port of the device.
- b) Expand the hidden menu at the bottom of the desktop, and open **[ES File Explorer]**. In the left side menu, select **[Local] > [Homepage]**. You can see "internal_sd" and "usb_storage" in the middle of the screen.



- c) Open **[internal_sd]** (internal storage), select any folder (or open the folder to select files) and hold. A check box will appear under each folder (or file), and function buttons such as copy, cut, delete and rename will appear at the bottom. Select the folder (or file) you would like to transfer, the box in the lower right corner of the selected folder (or file) will be marked with a tick and turn blue, then tap **[Copy]**.



- d) Return to the Homepage tab, and select **[external_storage]**, then all folders in your USB drive will be displayed (See an example below). **[Paste]** the copied folder (or file) to the desired location.



- e) After everything is done, just pull out the USB flash drive.

12.7 OTA (Over-the-Air Technology)

If a new system version is available, your Android system can be updated via the Internet.

Procedure:

- Select the Settings icon on the desktop. Alternatively, slide your finger down to expand the notification shade, then tap the gear icon to open the system settings interface.
- Scroll the settings menu to the bottom, tap **[System updates]**, then tap **[Check for Update]**, and the system will automatically check for version updates.

12.8 Display

12.8.1 Brightness

- Go to the home main menu, tap **[Settings] > [Display] > [Brightness level]**.
Alternatively, you can directly tap the volume and brightness shortcut icon located at the bottom of the screen.
- Drag the slider on the brightness bar to the left to decrease screen brightness, or drag it to the right to increase screen brightness.

12.9 Setting a Screen Lock

You can set up a screen lock pattern, which requires you to draw the pattern correctly on the screen in order to unlock your device.

- a) Go to the home main menu, tap **[Settings] > [Security] > [Screen Lock]**.
- b) There are five settings for screen lock: None, Swipe, Pattern, PIN, and Password. If you choose pattern, follow the on-screen instructions step by step to set your screen lock pattern.

12.10 Application Management

12.10.1 Viewing Installed Applications

- a) Go to the home main menu, tap **[Settings] > [Apps]** to open the downloaded application list.

The following operations can be done:

- Tap the desired application to view its information.
 - Tap  and select **[Sort by size]** from the pull-down menu, the applications will be displayed in size order automatically.
 - Tap  and select **[Reset app preferences]** from the pull-down menu, a confirmation dialog box will appear on the screen, tap **[Reset apps]** to proceed or tap **[Cancel]** to abort the operation.
- b) Select an application, you can perform "FORCE STOP", "UNINSTALL", "DISABLE" and other operations.

12.10.2 Managing the Running Applications

- a) Go to the home main menu, tap **[Settings] > [Apps]**. Scroll the screen from left to right to show the RUNNING tab.
- b) The following operations can be done:
 - View the currently running applications.
 - Select any app to manage it or stop its service.

12.11 Languages & Input Methods

12.11.1 Setting the Language

- a) Go to the home main menu, tap **[Settings]** > **[Languages & input]** > **[Languages]**.
- b) Choose your desired language.

12.11.2 Setting the Input Method

The default setting is to use Gboard multilingual typing.

12.12 Setting the Date & Time

This device is preset to use the network-provided date, time and time zone.

Note: If the setting is to use network-provided time & time zone, you will not be able to set date, time and time zone.

- a) Go to the home main menu, tap **[Settings]** > **[Date & time]**.
- b) Turn off the 'Automatic date & time' setting, and then set the date and time manually. Remember to tap **[OK]** to save your settings.
- c) Switch off "Automatic time zone", then set your time zone manually.
- d) Select or deselect "Use 24-hour format" to switch between 12-hour format and 24-hour format.

12.13 Restoring Factory Settings

Restoring factory settings deletes all data, including downloaded applications, and restores this product to its factory state.

NOTE: Be sure to back up important data on this product before restoring factory settings.

- a) Go to the home main menu, tap **[Settings]** > **[Backup & reset]** > **[Factory data reset]**.
- b) Follow the instructions on the screen to proceed.

12.14 Storage

Go to the home main menu, and tap **[Settings]** > **[Storage]** to check the storage status of the device. Content downloaded in the browser will be saved in the Downloads.

13 Scanner Care

- Keep this device and its accessories dry. Do not use a microwave oven or other external heating equipment to dry it.
- Do not subject the device and its accessories to strong shocks or vibrations, as this can damage the device and its accessories or cause the battery to overheat and potentially explode.
- Do not expose the device or its accessories to excessively high or low temperatures, otherwise it may result in malfunction, fire or explosion of the device, battery and charger. When the temperature is below 0 °C, the battery performance will be limited.
- Do not use potent chemicals, cleaning agents or strong detergent to clean this device or its accessories. Before cleaning and maintenance, please turn off the device and disconnect the charger.
- Do not disassemble the device and its accessories, otherwise the device and the accessories will not be covered by our warranty.
- If the device hits a hard object or the device is subjected to strong external impact and the screen is partially broken, do not touch or try to remove the broken part, and please stop using it immediately and contact the designated service station in time.

14 Usage of the Battery and the Charger

- When charging is complete, disconnect the device and unplug the charger from the power outlet.
- Do not let metal conductors touch both terminals of the battery or its endpoints to prevent short circuits and overheating, which can cause burns and other injuries.
- Do not place the battery or device near heating equipment, such as a microwave oven, oven or radiator.
- If your device is powered by a power adapter, the altitude at which the product is used is determined by the matching adapter. For use of this product in tropical environments, please keep the ambient temperature at 0 °C ~40 °C. If the device is powered by the battery, please use it under the ambient temperature of -10 °C ~ 40 °C. Do not use this device outside the above temperature ranges. Too high or too low a temperature can cause malfunction.

Batteries may explode when overheated.

- Do not disassemble or modify the battery to prevent the battery from leaking, overheating, igniting or bursting.
- If the battery leaks, do not expose your skin or eyes to the leaked liquid; if the leakage gets on your skin or in your eyes, rinse immediately with clean water and go to a hospital.
- If the charger's cable is damaged, please stop using it to avoid electric shock or fire.
- Do not throw the battery into a fire, as this can cause it to catch fire or explode.
- Please observe local ordinances regarding the disposal of your device, batteries and

accessories, and support recycling initiatives. Do not dispose of these items as ordinary household waste.

15 Order Notification

Replaceable parts and optional accessories can be ordered directly from the Company's authorized distributors. Please specify the following when ordering:

- Order quantity
- Serial number
- Part name

16 Customer Service Center

If you encounter any problem during the operation, please contact us at: 844-627-4630.

When the device needs repair, please send it, together with the purchase invoice and problem descriptions, to Marine Diagnostic Tools LLC. If the device is covered under warranty, the Company will provide free maintenance; if the device is outside the scope of the warranty, the Company will charge for repairs and return shipping.

Marine Diagnostic Tools LLC Address:

7440 Broad River Road, Irmo, South Carolina, 29063, USA

17 Warranty

One-Year Limited Warranty

Marine Diagnostic Tools LLC (hereinafter referred to as "Marine Diagnostic Tools") promises to the original retail buyer of this product that within one year from the date of delivery, if, under normal use, this product or any part thereof proves to be defective in material or workmanship resulting in device failure, the Company will, upon proof of purchase, repair or replace the product at no charge to you, depending on the circumstances, either with a new product or a modified part.

Marine Diagnostic Tools shall not be liable for incidental or consequential damage caused by misuse, improper operation or improper installation of the device. Some countries or states do not allow limitations on the duration of implied warranties, so the above limitations may not apply to you.

The following are not warranted under this limited warranty under any circumstances:

1. Any product damaged due to abnormal use or unusual conditions, accidents, mishandling, human negligence, unauthorized alterations, improper use, improper installation or maintenance, or improper storage.

2. Products whose mechanical or electronic serial numbers have been removed, altered or damaged.
3. Damage caused by exposure to high temperatures or extreme environmental conditions.
4. Damage caused by connecting to or using accessories or other products not approved or authorized by the Company.
5. Defects in the appearance of the product, ornaments, or decorative or structural items such as frames and non-operating parts.
6. Products damaged by external causes such as fire, mud, sand, leaking batteries, blown fuses, theft, or misuse of any power source.

FCC Caution:

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

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

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

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