H6 PRO Car Intelligent Diagnosis Platform

User Manual

Efficient Intelligent Portable

Please read this manual carefully before use.

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Responsibility：

Use the device only as described in this manual. The user will be responsible solely for the after-effects of violating the laws and regulations caused by using the product or its data information, Xtool will not bear any legal responsibility for that. Xtool shall not be liable for any incidental or consequential damages or for any economic consequential damages arising from the accidents of individual users and the third parties, misuse or abuse of the device, unauthorized change or repair of the device, or the failure made by the user not to use the product according to the manual. All information, specifications and illustrations in this manual are based on the latest configurations and functions available at the time of printing. Xtool reserves the right to make changes at any time without notice.

After sale：

After-Sale Service Hotline(400-880-3086/ 0755-21670995)

Email: aftersales-services@xtooltech.com

Official website:http://www.xtooltech.com

Safety：

- This product is intended for use by automotive technicians only.
- When the engine is running, please keep the maintenance area well ventilated,

properly connect the engine and the building's exhaust system. The carbon monoxide generated by the engine will cause the body to be unresponsive and even cause serious personal injury or death.

- Wear ANSI-compliant goggles and keep clothing, hair, hands, tools, diagnostics, etc. away from running or hot engine parts.

Contents

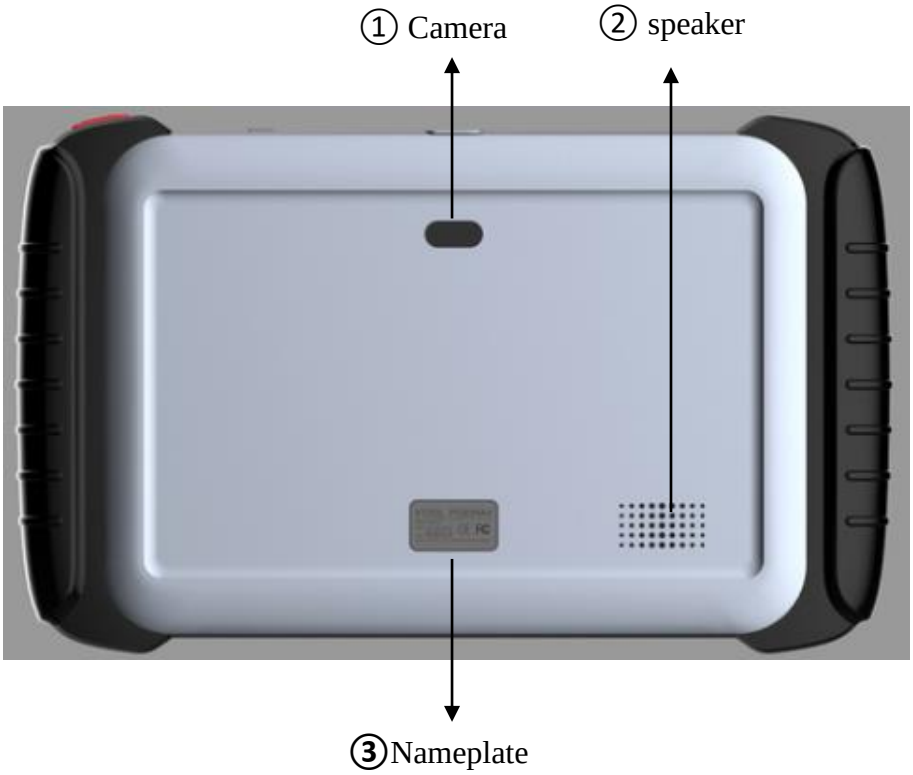
Chapter I About H6 PRO 1
1.1 Appearance 1
1.2 Interface of H6 PRO Tablet 2
1.2.1 Top View of H6 PRO Tablet 2
1.2.2 Bottom View of H6 PRO Tablet 2
1.3 VCI diagnostic box appearance 3
1.4 VCI diagnostic box technical parameters 3
1.5 H6 PRO technical parameters 3
Chapter II How to Use H6 PRO 5
2.1 Machine interface 5
2.1.1 Main interface 5
2.1.2 Interface icon 5
2.1.3 Interface Task-bar 6
2.2 Connecting vehicle 7
2.2.1 Connecting vehicle 7
2.2.2 Car diagnostics precautions 7
2.3 Diagnosis 8
2.3.1 Menu selection 8
2.3.2 Diagnostic function 9
2.3.3 Function menu 9
2.4 Setting 12
2.4.1 [Language] 12
2.4.2 [Unit]. 13
2.4.3 [Bluetooth] 13
2.5 Xtool Cloud (Coming Soon) 15
2.6 One-click upgrade 15
2.7 Diagnose report 15
2.7.1 View report 16
2.7.2 Data playback 16
2.8 Remote control 16

Chapter I About H6 PRO

1.1 Appearance

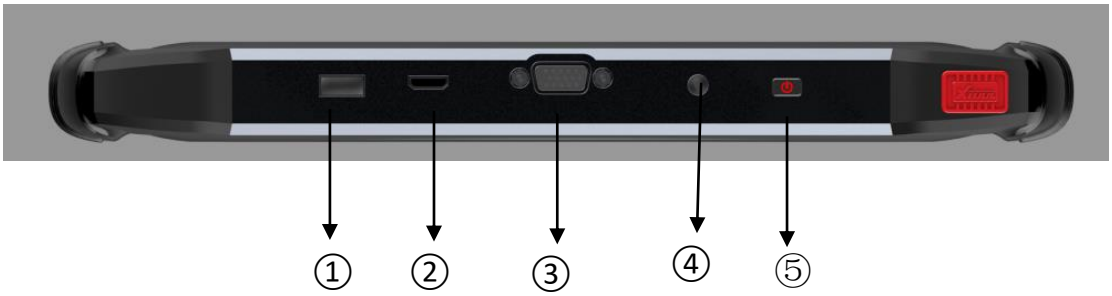
1.1.1 Front View

1.1.2 Back View



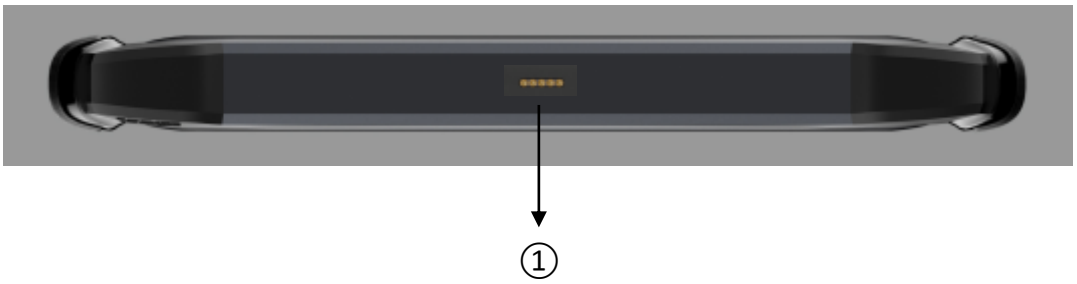
1.2 Interface of H6 PRO Tablet

1.2.1 Top View of H6 PRO Tablet



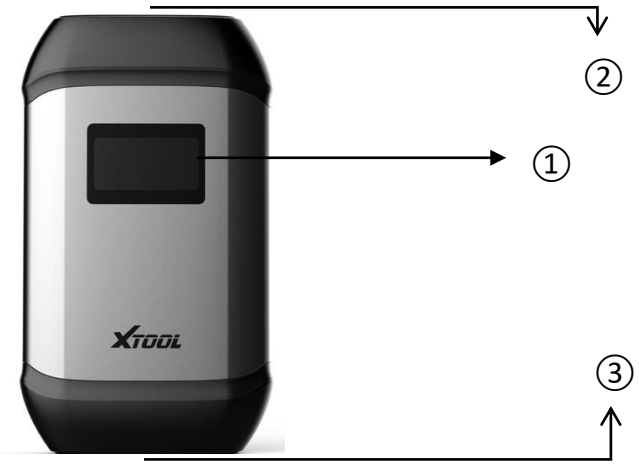
① USB3.0 interface：	Data transfer via USB cable
② Mini HDMI interface：	Audio and video transfer
③ DB15 interface：	Extended reservation port
④ DC charging port：	Device charging, using 12V power
⑤ Power button：	Power On/off button

1.2.2 Bottom View of H6 PRO Tablet



① Charger interface, this is a reserved charger interface

1.3 VCI diagnostic box appearance



① Display： Display voltage, Bluetooth connection status, etc.

② DB15 interface： Work together with the extension cable and various types of connectors to communicate with vehicle diagnostic port

③ DB9 interface： Work together with DB9 male to USB3.0 cable to communicate with tablet

1.4 VCI diagnostic box technical parameters

Display screen:	1.54 inches
Energy consumption:	2 W
Connection method:	Wired/Bluetooth
Interface:	USB DB15 test main line interface
C P U :	ARM processor
Shell:	Aluminum metal and reinforced plastic housing
RAM:	1MByte

1.5 H6 PRO technical parameters

Operating system: Android

Processor: quad core processor 1.8GHz

Memory: 4GRAM, 64GROM

Display screen: 1280×800 resolution

Touch Screen: 10.1 inch LED

Camera: rear camera, 8.0 Megapixel, AF with Flashlight.

Interface: USB3.0, DC charging port, MINI HDMI, DB15 interface.

Battery: 13000mAh Lithium-polymer battery

Input voltage: 12V voltage system

Working temperature: -20 to 50℃ (-4 to 126℉)

Relative humidity: <90%

Appearance size: 310.92*189.17*36.21 (mm)

Chapter II How to Use H6 PRO

2.1 Machine interface

2.1.1Main interface

2.1.2Interface icon

Functional Buttons	Functional descriptions
	username
	【diagnosis】Read vehicle diagnosis information
	【Setting】Language, unit, Bluetooth

	【Xtool cloud】Online chatting (Coming Soon)
	【One-click upgrade】Upgrade software
	【Diagnose report】Read vehicle report
	【Remote control】Xtooltech support center and function keys

2.1.3 Interface Task-bar

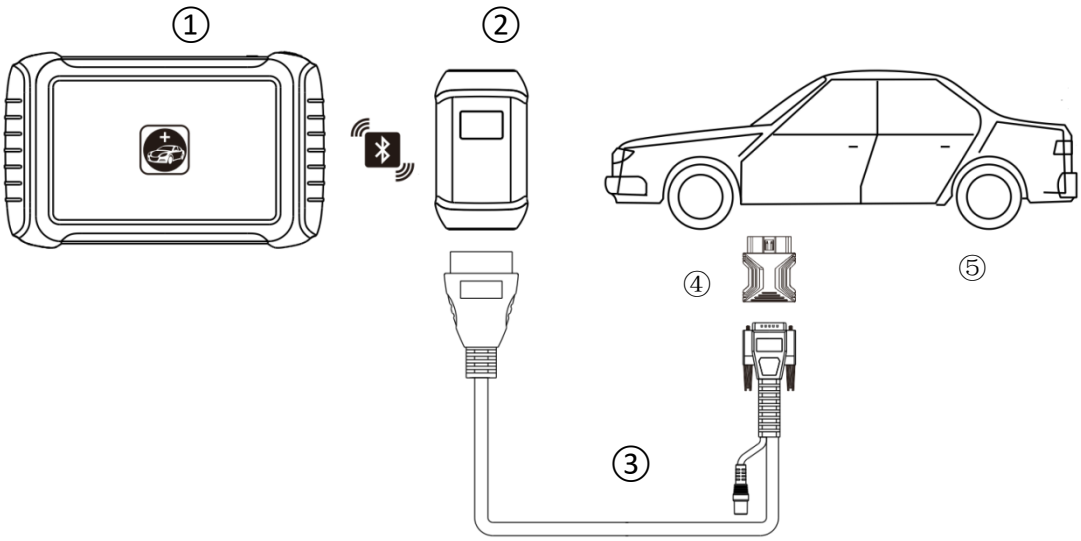
Function Button	【Function Description】
	【Screenshot】
	【Decrease the volume】
	【Return to the previous interface】
	【Show recently used programs】
	【Return to the main interface of Android】
	【Increase volume】
	【Bluetooth connection, show blue when connected】
	【Back to the diagnosis model interface】

	【Record diagnostic data every moment】

2.2 Connecting vehicle

2.2.1Connecting vehicle

Turn on the car ignition switch, connect the VCI diagnostic box to the car OBDII diagnostic port, wait for 5 seconds for Bluetooth to connect successfully, and select the function for vehicle fault diagnosis.



① H6PRO Tablet
② VCI box (communication with the tablet by wire or Bluetooth connection, and connect with ③⑤ components to the vehicle diagnostic port)
③ Main cable
④ Tested vehicle
⑤ OBDII-16 Adapter (Select other adapters when the diagnostic port is a non-standard OBDII 16pin connector)

2.2.2 Car diagnostics precautions

1、Battery voltage range on the car: +9~+36VDC;

2、When testing the harness, apply the hand to pinch the front end of the harness for plugging and unplugging, and do not plug it obliquely to avoid damage to the terminal.

3、When performing some special function tests, the operator must follow the prompts and meet the test conditions. If there are special functions, the conditions must be met: engine water temperature 80 °C ~ 105 °C, turn off the headlights and air conditioning, the accelerator pedal remains loose. Open position, etc.

4、If the model or electronic control system to be detected is not found in the H6pro

diagnostic function, please upgrade the model diagnostic software to the latest version or consult the company's technical service department.

5、It is not recommended to use the wiring harness of Xtooltech CO., LTD for connection test to avoid unnecessary loss.

6、In H6pro communication with the vehicle, direct shutdown is prohibited. The task should be canceled before returning to the main interface.

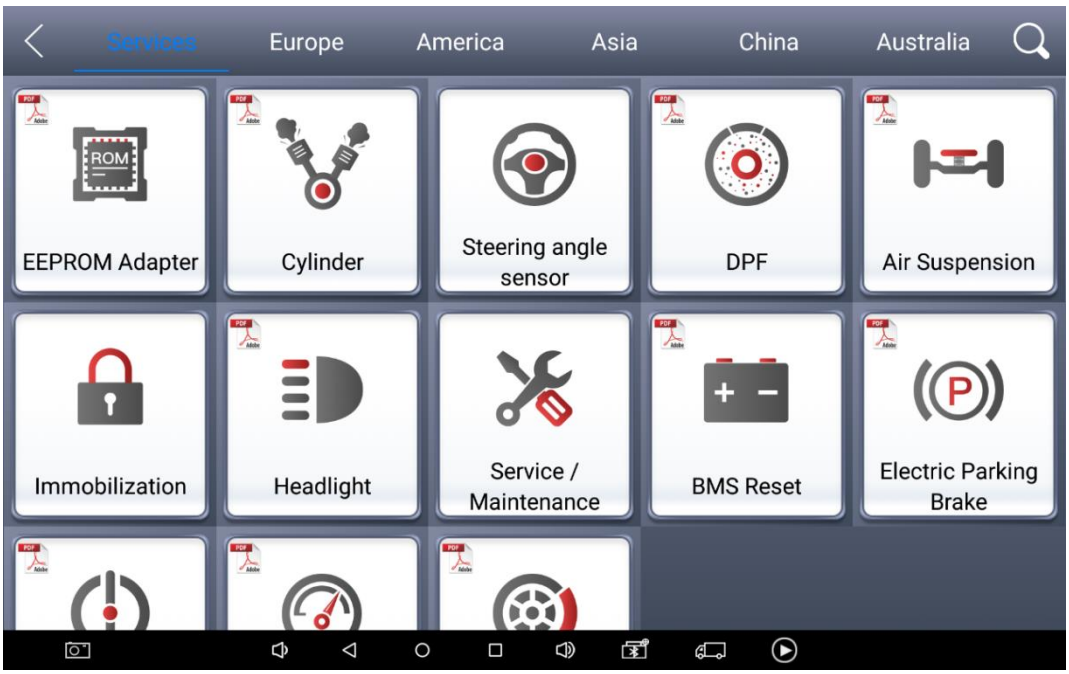
2.3 Diagnosis

2.3.1 Menu selection

1 、After the VCI diagnostic box has successfully connected the host, you can perform a diagnostic menu selection.

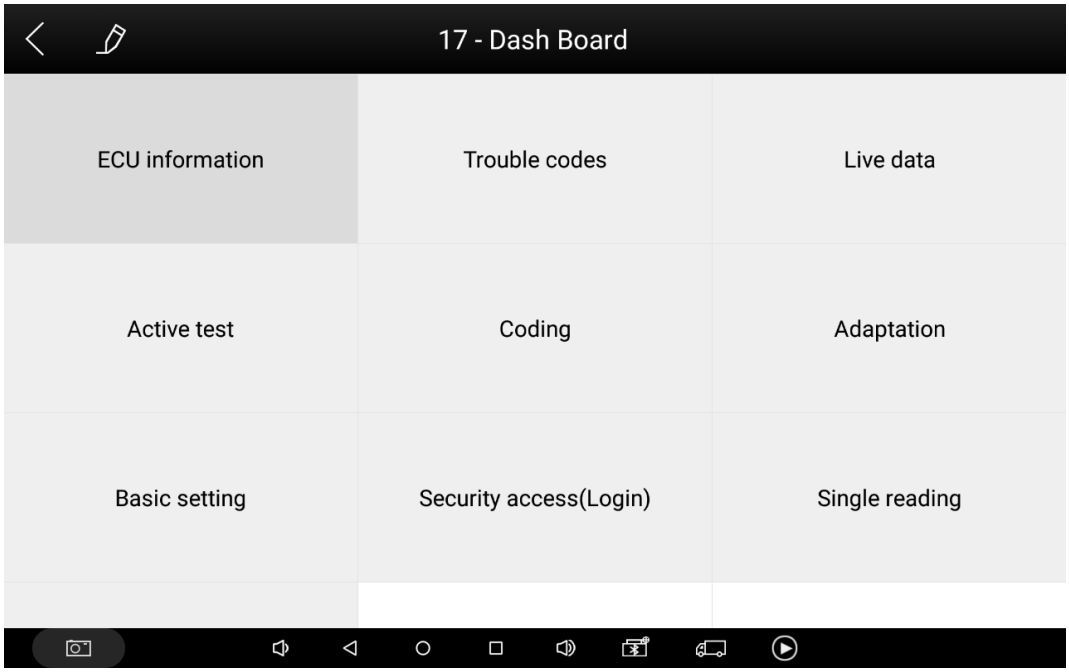
2 、According to your needs to choose [special function] [European car] [Asian car] [American car] [Australia car] [Chinese car] for diagnosis, and click on the search icon in the upper right corner, enter the model for quick search.

3、In addition the diagnostic functions, the R&D team has developed a series of [special functions] for some mainstream models.



2.3.2Diagnostic function

Take Volkswagen VW as an example, enter [Dash Board] → enter and display.

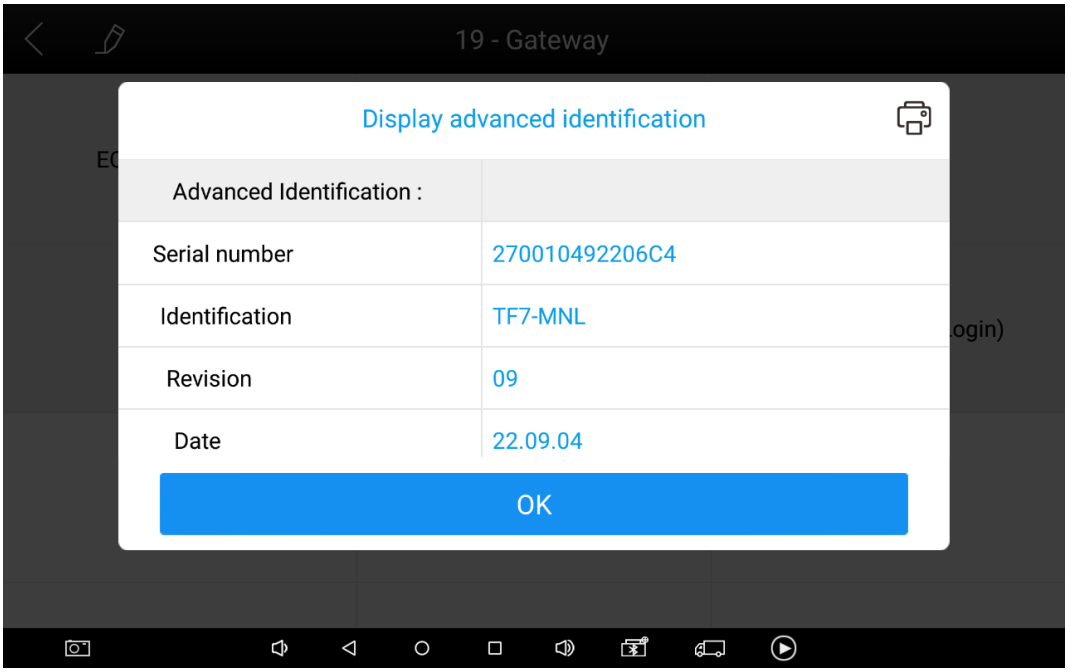


2.3.3 Function menu

[Read computer information in the car] [Diagnostic code] [Read data stream] [Action test] [Match] [Basic settings] [Display advanced recognition] [Security access] [Encoding]

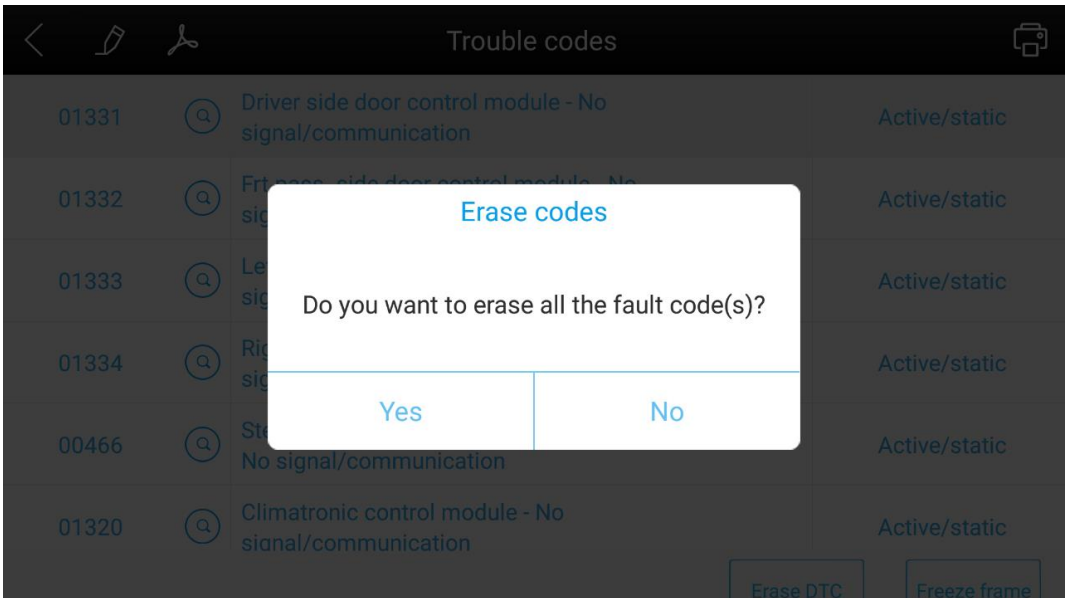
1、Reading computer information in a car

Read ECU version information. Some electronic control systems display system identification or system information menus, which have the same meaning, and read information such as software and hardware version numbers and part numbers.



2、Fault code

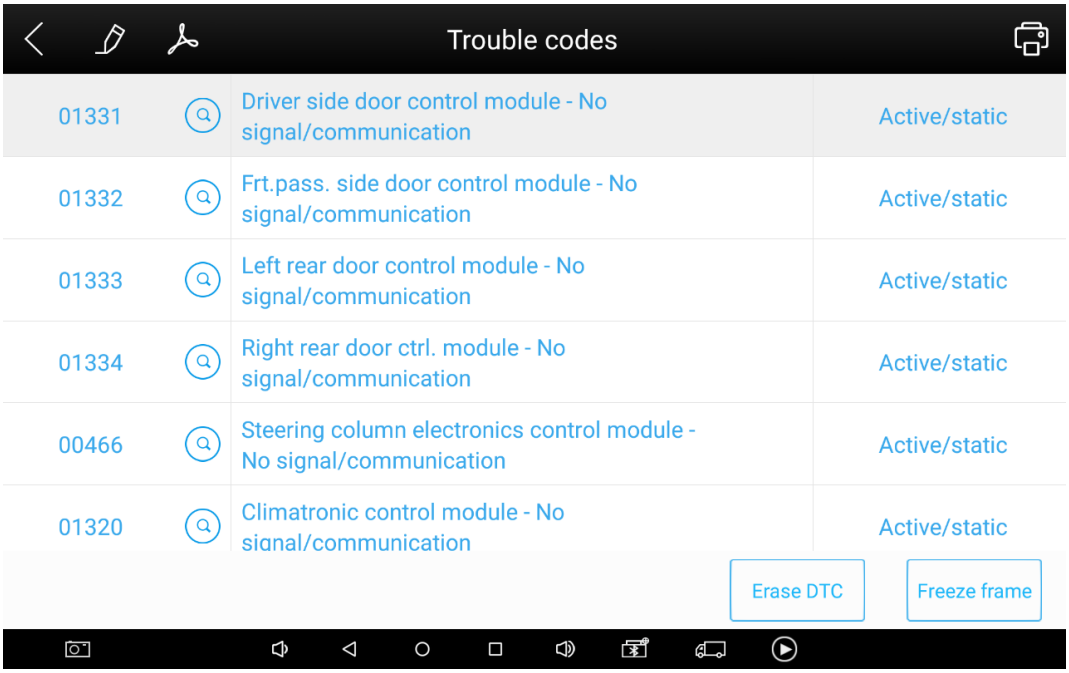
The fault code function can read the fault code stored in the electronic control ECU. When the fault code is read, the screen displays the fault code and fault code definitions that were read.



Tip: When detecting the faulty vehicle, if the display system is normal or has no fault code, it means that the relevant fault code is not stored in the ECU or some fault phenomenon is not within the ECU monitoring range, which is mostly a mechanical fault. It is also possible that the sensor has a signal deviation in the range, which can be judged in the data stream function.

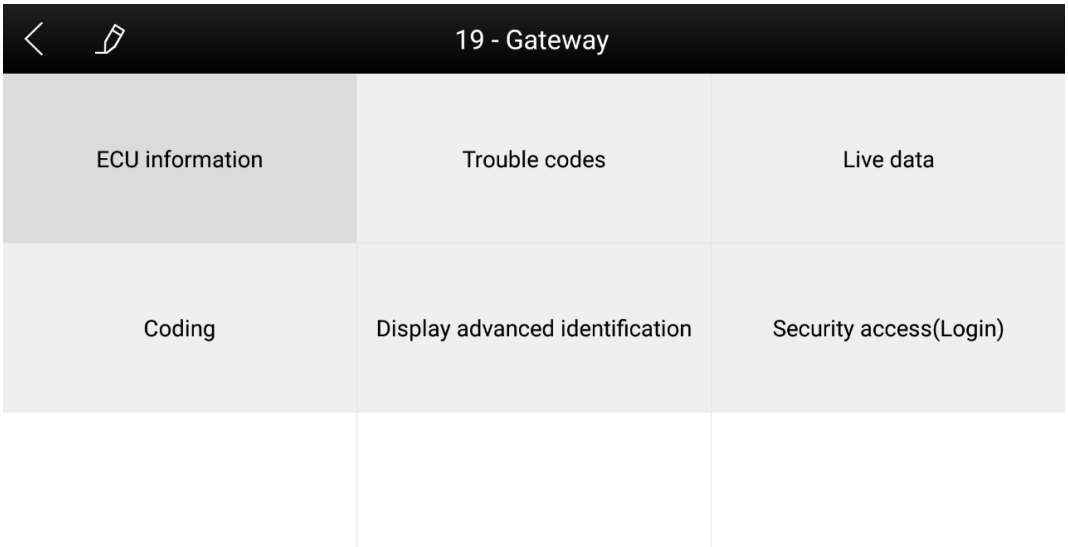
3、Read data stream

By reading the data stream function, it is possible to read the data value of the control unit.



4、Action test

Follow the prompts, for example: the engine is not running and the ignition switch is on. If the engine is started or the speed signal is recognized, the motion test is forced to be interrupted.



5、Match

Match various function modes.

6、Basic settings

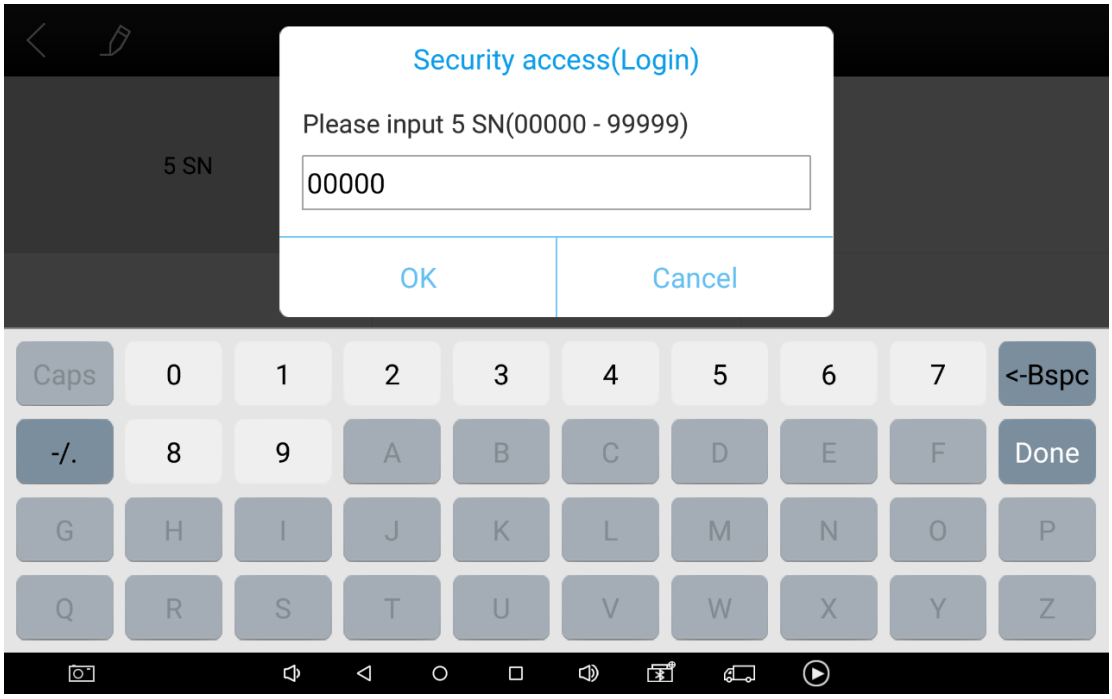
Actuator, sensor initialization.

7、Display advanced recognition

Displays the status of the control unit.

8、Secure access

Set the login code.

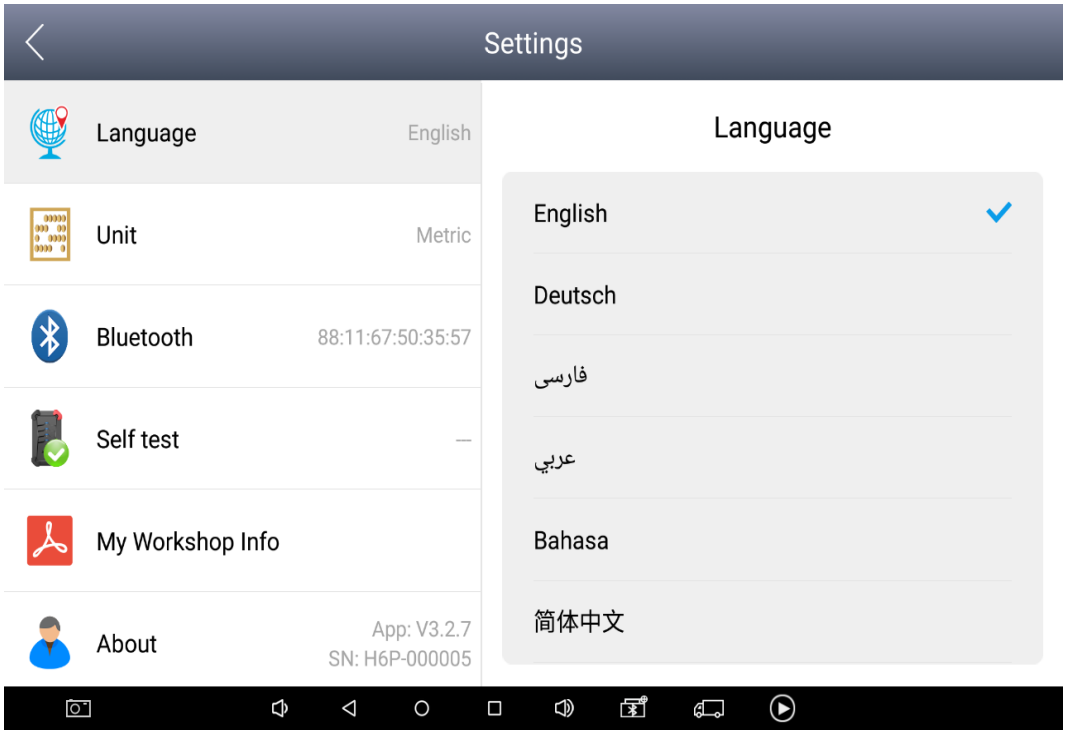


9、Coding

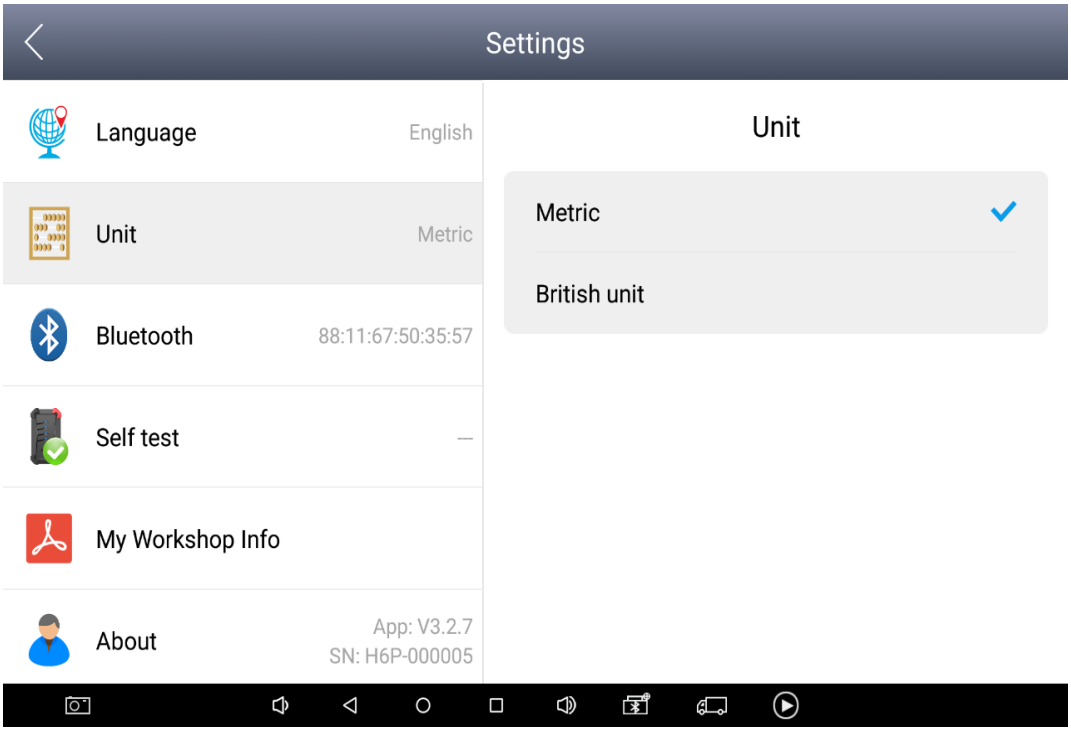
Turn on new vehicle features by changing the code.

2.4 Setting

2.4.1 [Language] Check the desired language in the many language options on the right side of the interface.

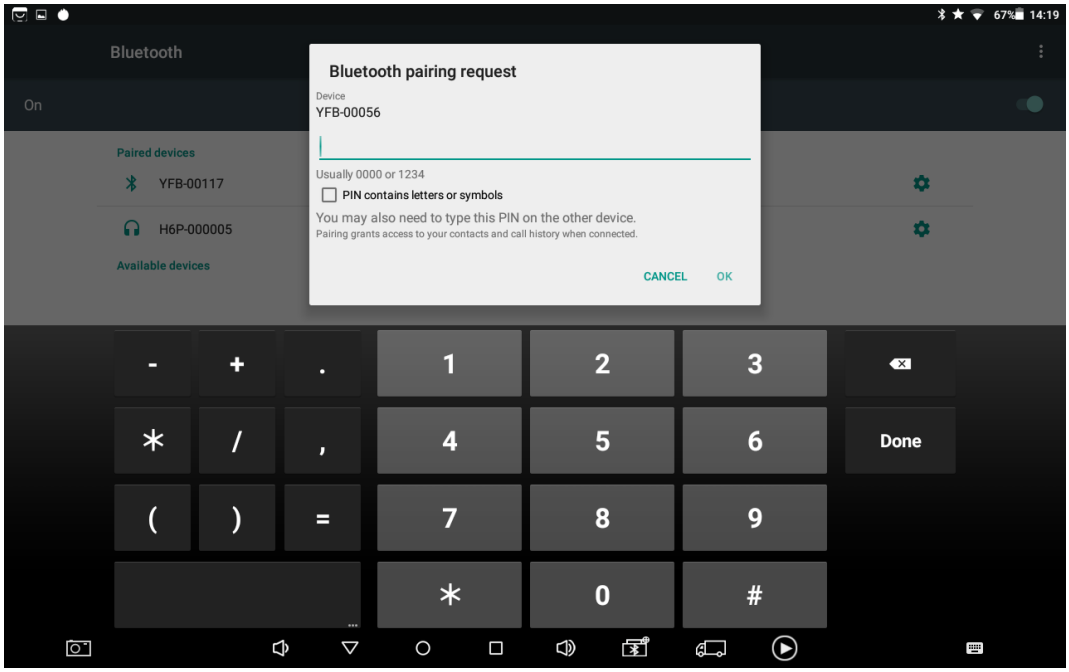


2.4.2 [Unit] Select the unit of measurement, check the metric or imperial system.

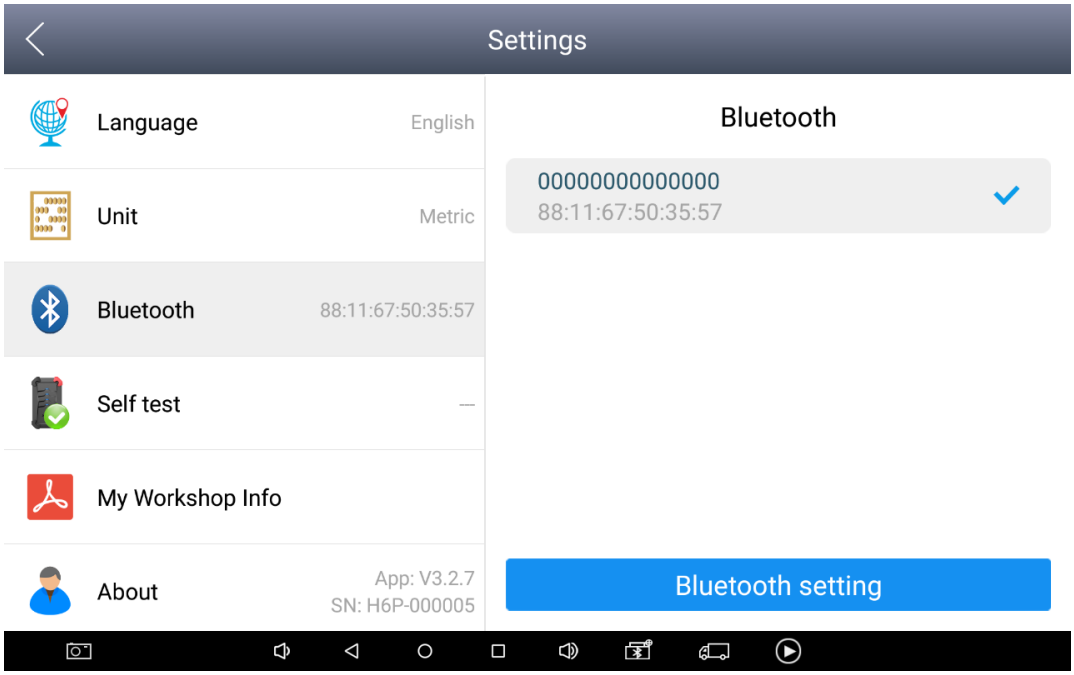


2.4.3【Bluetooth】

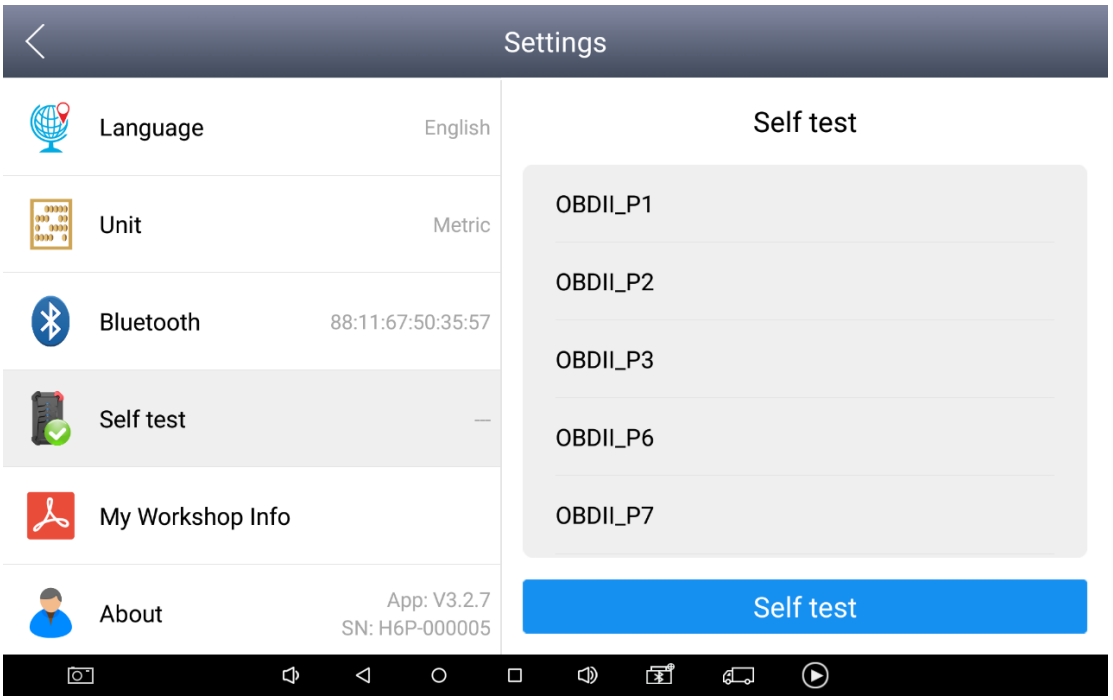
1、Enters the settings, clicks Bluetooth, and then clicks Search. The Bluetooth name is the corresponding serial number or Diagnostic.



2、Entering the H6PRO setup option, the blue icon on the task-bar shows that the connection is successful.



2.4.4 【**Self test**】 Detects the VCI box.

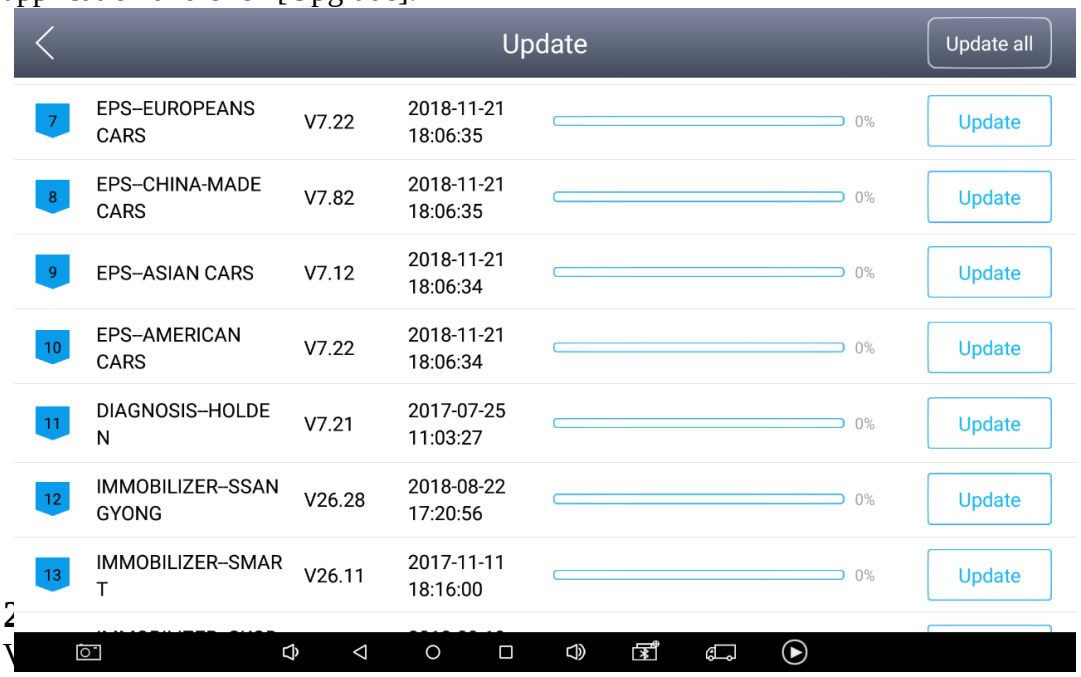


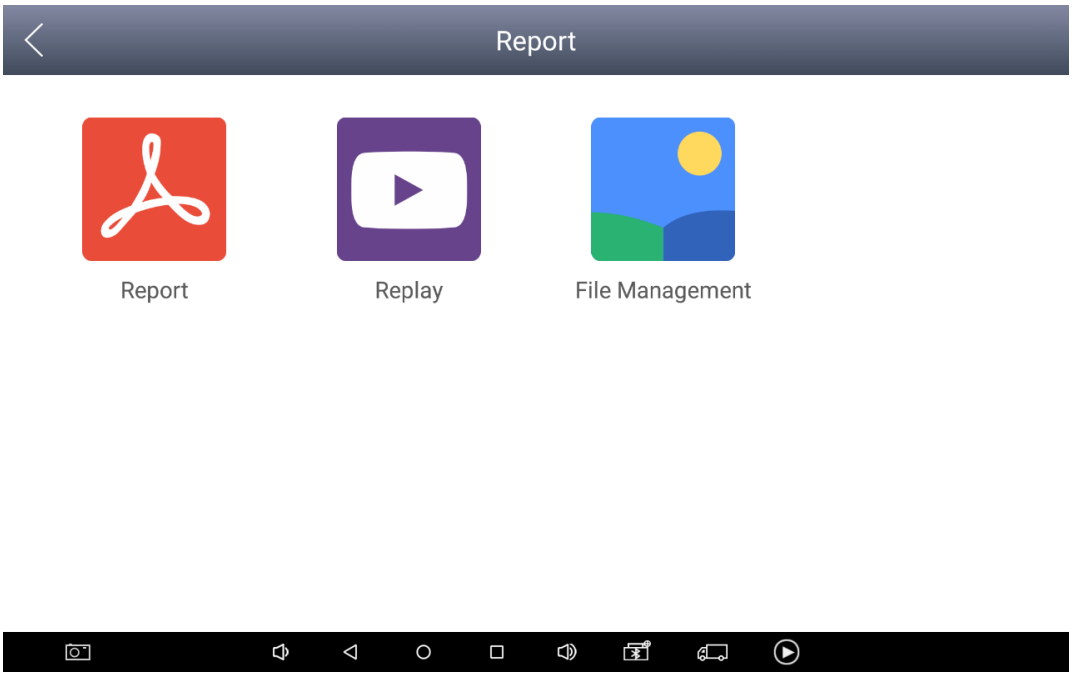
2.5 Xtool Cloud (Coming Soon)

All car service technicians using our equipment can check the maintenance information we put on the cloud service platform, and can be used in conjunction with the results of the car diagnosis, and use the forum to communicate with other users.

2.6 One-click upgrade

The device no longer needs to be inserted into the card for upgrade. Just open the application and click [Upgrade].





2.7.1 View report

View diagnostic reports for different models.

2.7.2 Data playback

The data playback function allows you to view the model, system, and playback of recorded data.

2.8 Remote control

The service technician has encountered problems during the repair process. You can

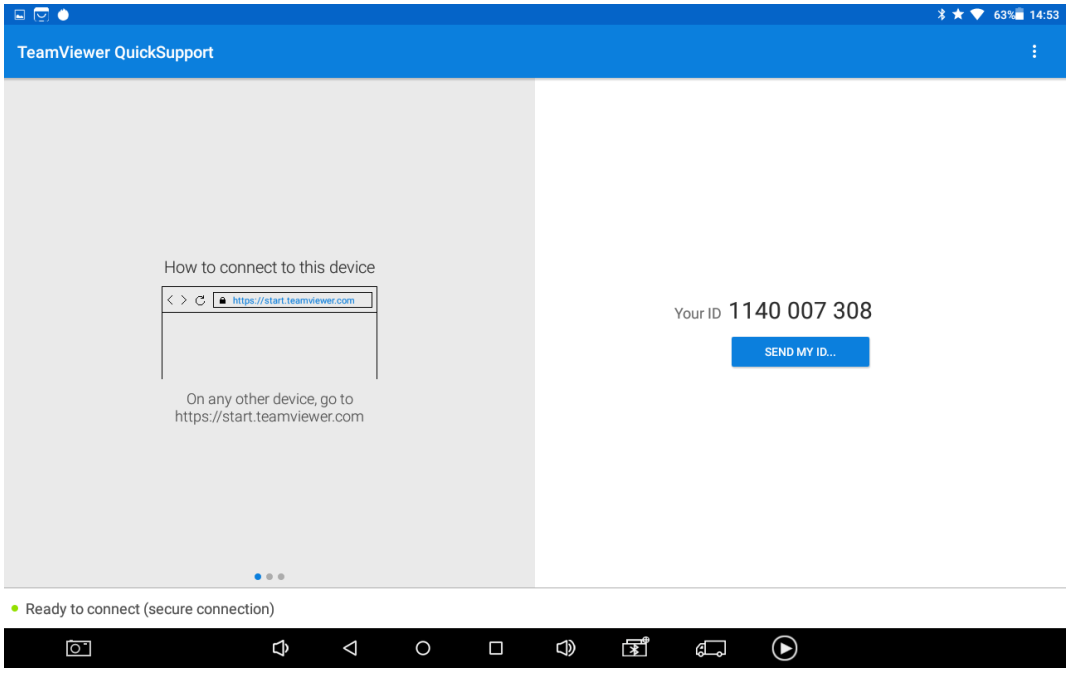
open this application for remote assistance and accept support from the Xtool Technology Center.

1、Boot up, enter the App;

2、Click the [Remote Control] icon to generate and display the device ID;

3、Provide your ID to after-sales technical support staff;

4、The system pops up a window and allows the other party to control for remote control.



FCC Statement

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

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.

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