

XTOOL

X100PAD PLUS

Auto Key Programmer

User Manual



Shenzhen Xtooltech Intelligent Co., LTD

Please read this user manual carefully before using the X100PAD PLUS Auto Key Programmer. When reading the manual, please pay attention to the words “Note” or “Caution” and read them carefully for appropriate operation.

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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.

OPERATION INSTRUCTIONS

For safe operation, please follow the instructions below:

- Keep the device away from heat or fumes when you are using it.
- If the vehicle battery contains acid, please keep your hands and skin or fire sources away from the battery during testing.
- Exhaust gas of vehicle contains harmful chemicals, please ensure adequate ventilation.
- Do not touch the cooling system components or exhaust manifolds when engine is running due to the high temperatures reached.

- Make sure the car is securely parked, Neutral is selected or the selector is at P or N position to prevent the vehicle from moving when engine starts.
- Make sure the (DLC) diagnostic link connector is functioning properly before starting the test to avoid damage to the Diagnostic Tablet.
- Do not switch off the power or unplug the connectors during testing, otherwise you may damage the ECU and/or the Diagnostic Tablet.


CAUTIONS!


- Avoid shaking or dismantling the unit as it may damage the internal components.
- Do not use hard or sharp objects to touch the LCD screen;
- Do not use excessive force;
- Do not expose the screen to strong sunlight for a long period.

- Please keep it away from water, moisture, high temperature or very low temperature.
- If necessary, calibrate the screen before testing to ensure the accuracy of LCD performance.
- Keep the main unit away from strong magnetic fields.

AFTERSALES-SERVICES

 E-Mail: supporting@xtooltech.com

 Tel: +86 755 21670995 or +86 755 86267858 (China)

 Official Website: www.xtooltech.com

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1 GENERAL INTRODUCTION

The X100PAD PLUS Auto Key Programmer is a compact key programming device powered by XTOOL, based on the Android 5.1 operating system. It supports multi-language switching and is suitable for different countries and regions. Besides key programming functions, this device also supports basic diagnosis functions as well as 20+ special functions, which helps you to work on vehicle maintenance.

X100PAD PLUS TABLET

The main unit of the X100PAD PLUS is the tablet. It allows you to operate all the key programming and diagnosis functions, and it can also work as a normal Android tablet.

This tablet comes up with an integrated VCI so when working on vehicles, please connect the tablet directly to the OBD port of the car.

FRONT VIEW OF TABLET



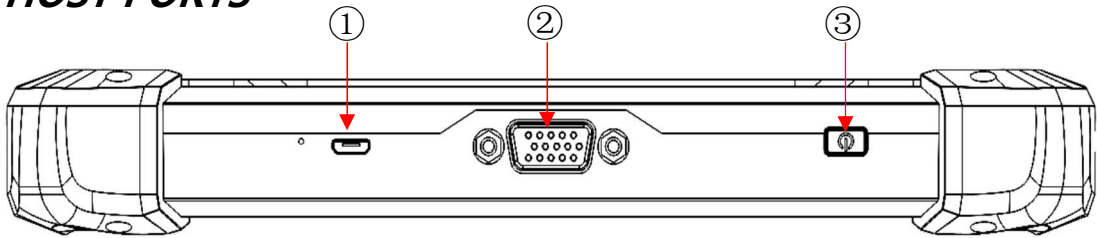
The front of the tablet is mainly a touchable display screen, you can use your fingers to operate on the screen to finish most of the key programming process.

BACK VIEW OF TABLET



- ① **Nameplate:** Show the basic information about tablet such as product name and serial number, etc.
- ② **Loudspeaker:** It supports external sound playback.

HOST PORTS



- ① **Micro USB port:** Used for data transfer for tablet & PC communication and also used for charging.
- ② **VGA port:** Diagnostic communication port, which can be used for OBD connection.
- ③ **Power button:** Long press to turn device on/off, short press to turn off the screen.

EEPROM ADAPTER

To read the EEPROM chip on the immobilizer module & dashboard, X100PAD PLUS also comes up with an EEPROM adapter. In some situations, you need to unweld the chip from the module to read & write this chip.

To read & write EEPROM chip, please unweld the chip from the module and weld (or lock it) onto the corresponding EEPROM board and plug the board onto the adapter. The adapter could be connected to the device via main cable. Disconnect the OBD connector on the cable, and the connector side of the cable could be plugged into the adapter.



- ① **Status Light:** Shows status of the EEPROM adapter. Will turn red when it's connected to any power supply.
- ② **Comm Light:** Shows communication status of the EEPROM adapter. The light will flash when communicating to the tablet.
- ③ **14-Pin Port:** Used to connect the EEPROM board onto the adapter.
- ④ **DB15 Port:** Used to connect the adapter to the tablet.

TECHNICAL SPECIFICATIONS

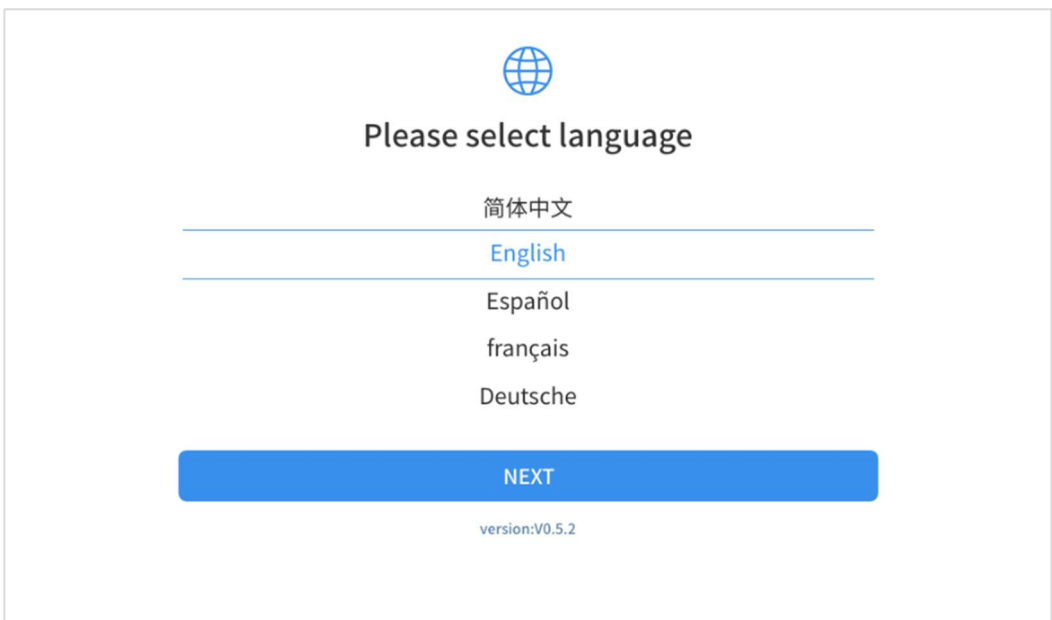
Table 1-1 Specifications

Item	Description
OS	Android 5.1
Processor	Quad-core processor 1.6GHz
Ram	1G
Rom	32G
Display	7-inch capacitive, 1024×600 resolution
Connectivity	<ul style="list-style-type: none">● USB● Wi-Fi
Sensor	Gravity sensor
Audio Input/ Audio Output	Microphone/ Loudspeaker
Ports	<ul style="list-style-type: none">● Micro USB● VGA port
Battery	4000mAh 3.7V
Input Voltage	5V DC
Operating Temperature	-10~50°C
Relative Humidity	< 90%
Dimensions	208*140*15.5mm

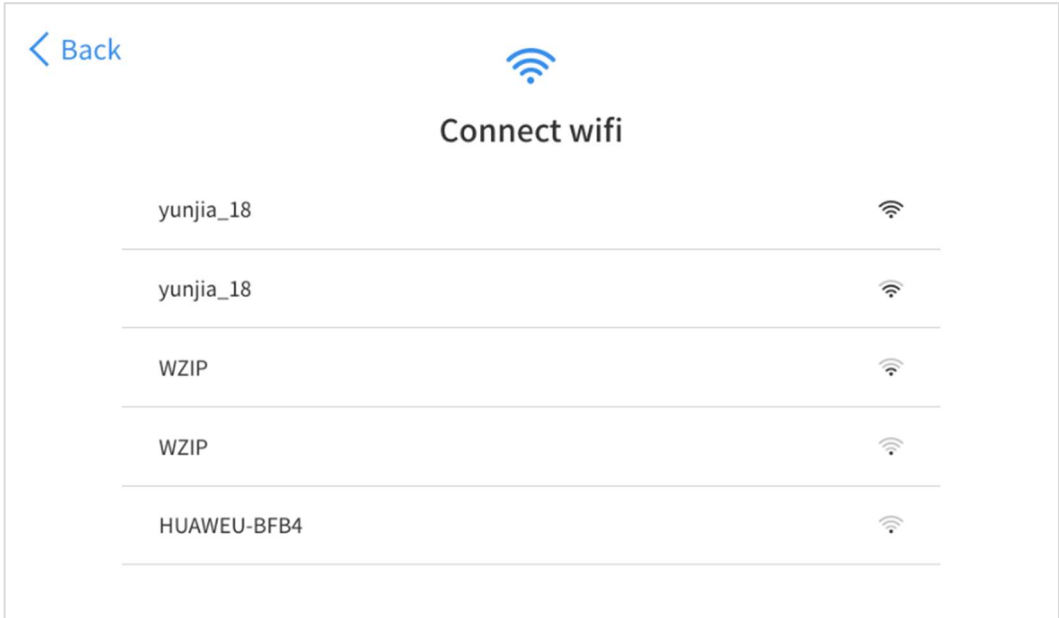
2 GETTING STARTED

ACTIVATION GUIDE

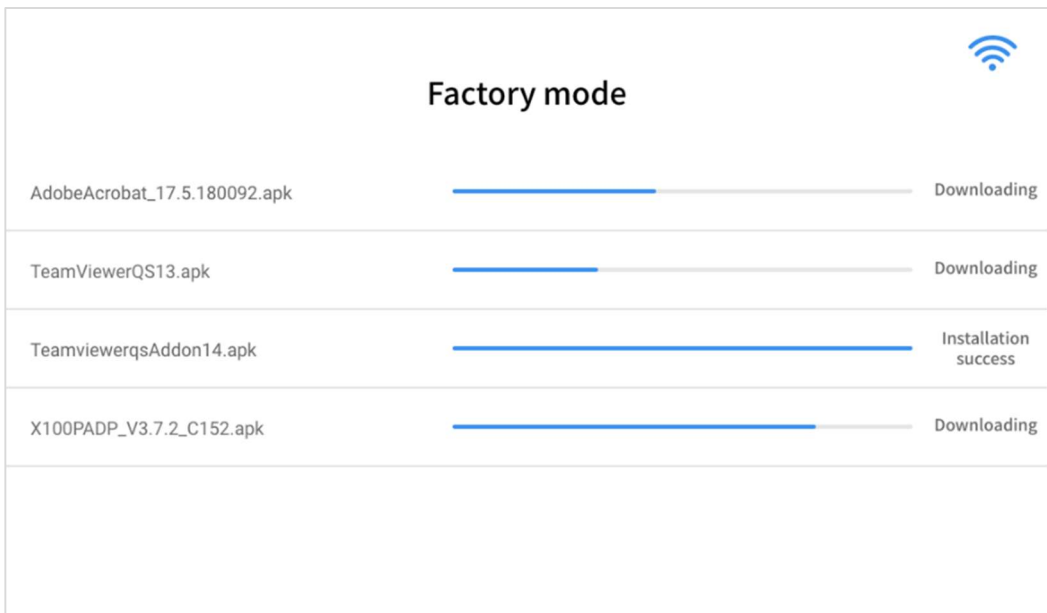
When you turn on the system for the first time, the system will automatically enter the guide process and request the user to select the system operating language.



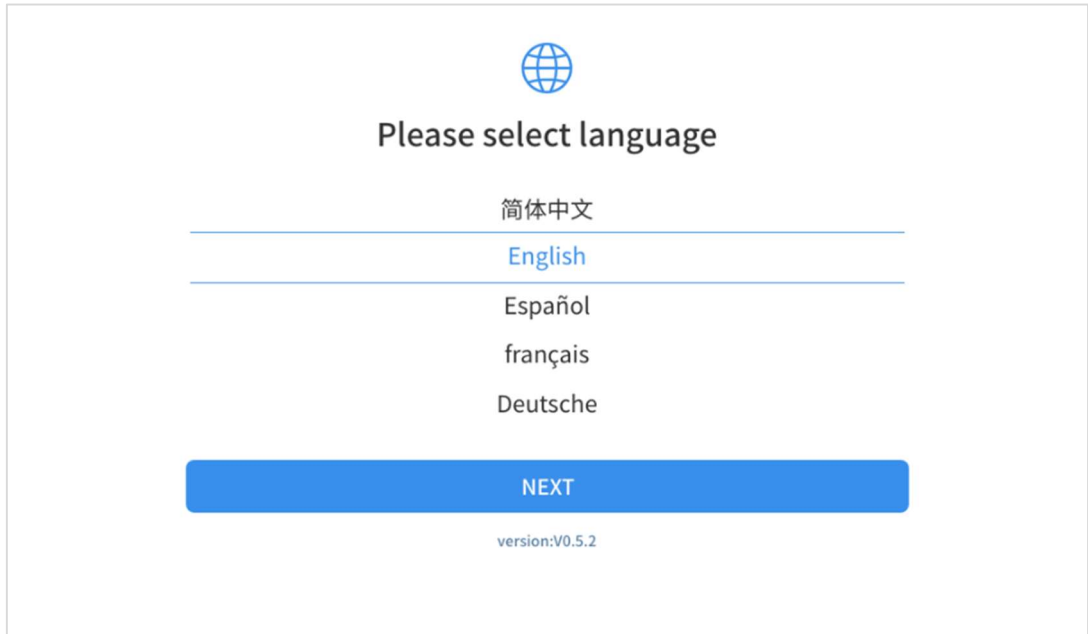
After selecting the system language, click **Next** to enter the Wi-Fi connection page, as shown below:



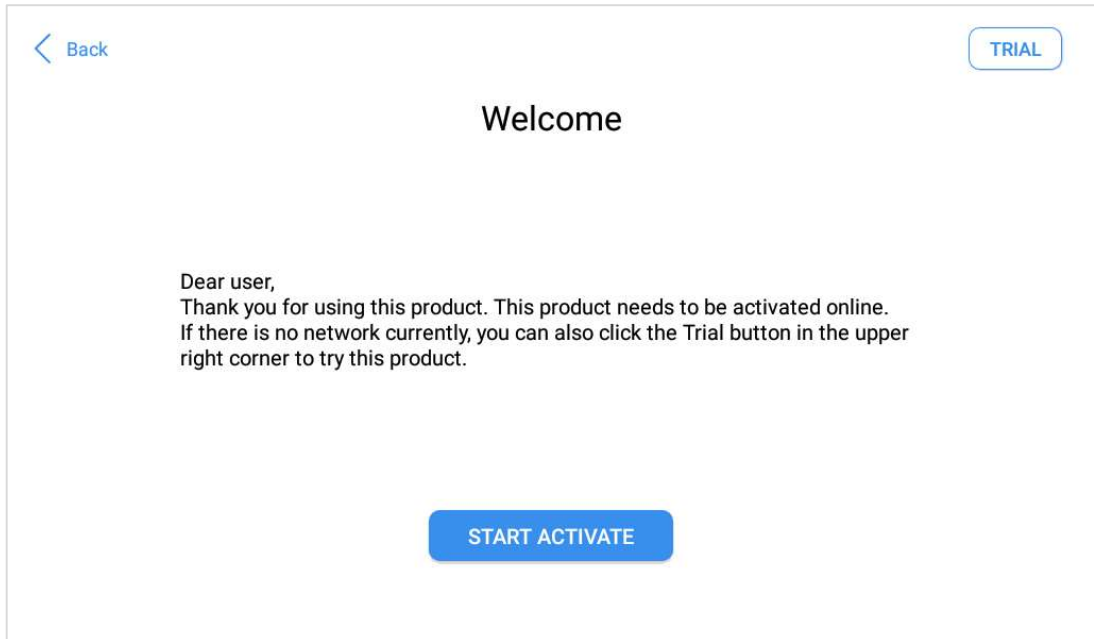
Select a network to connect to on the Wi-Fi connection page. After successful network connection, the automatic system will jump to **Factory mode** to download the software:



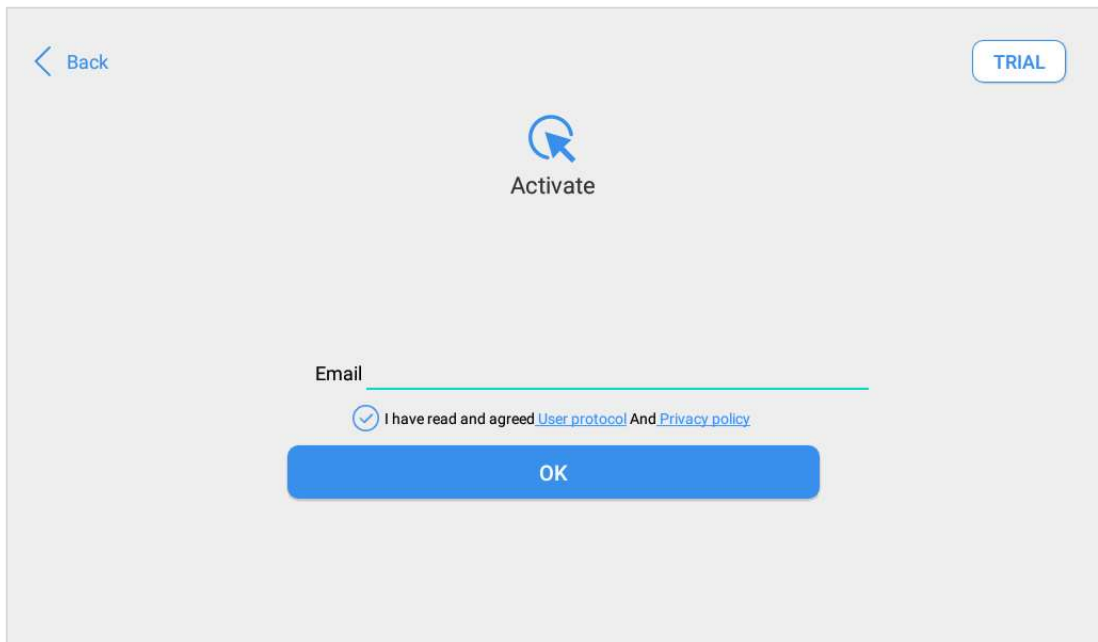
Once the software has been downloaded, the tablet will automatically reboot and request the system language selection again.



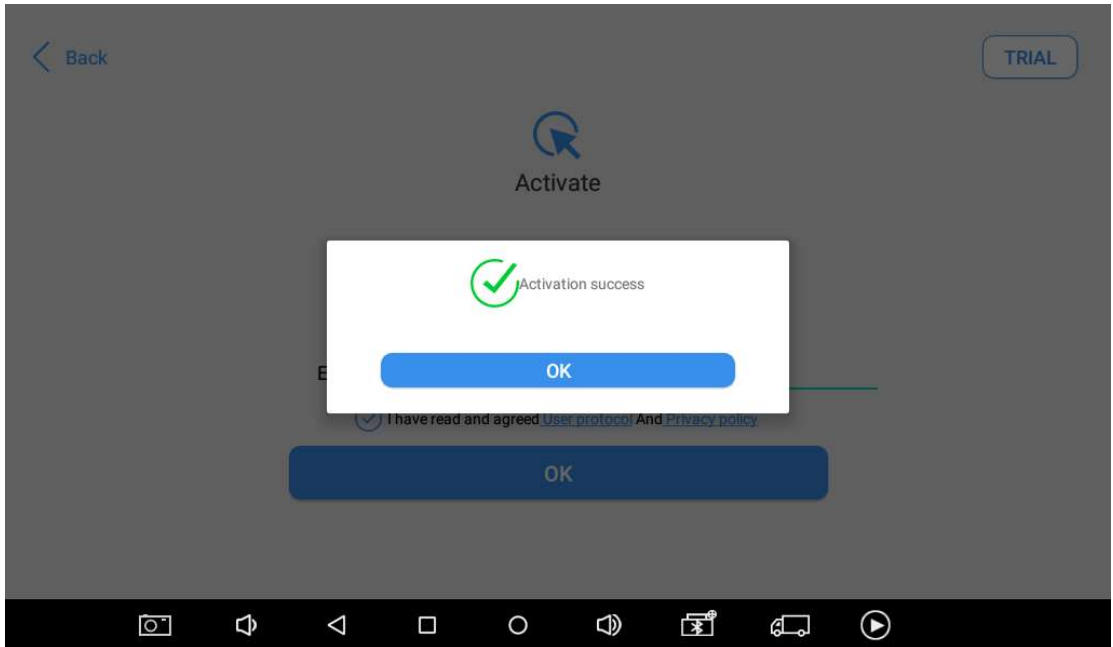
After setting the system language, you will enter the activation page, as shown in the figure below. You can also click the "Trial" button in the upper right corner to try it out before activation.



Click **Start Activate** to enter the activation page, as shown below:




A pop-up window showing **Activation Success** indicates that you have completed the first boot setup, click **OK** to enter the diagnostic system and start using the device.

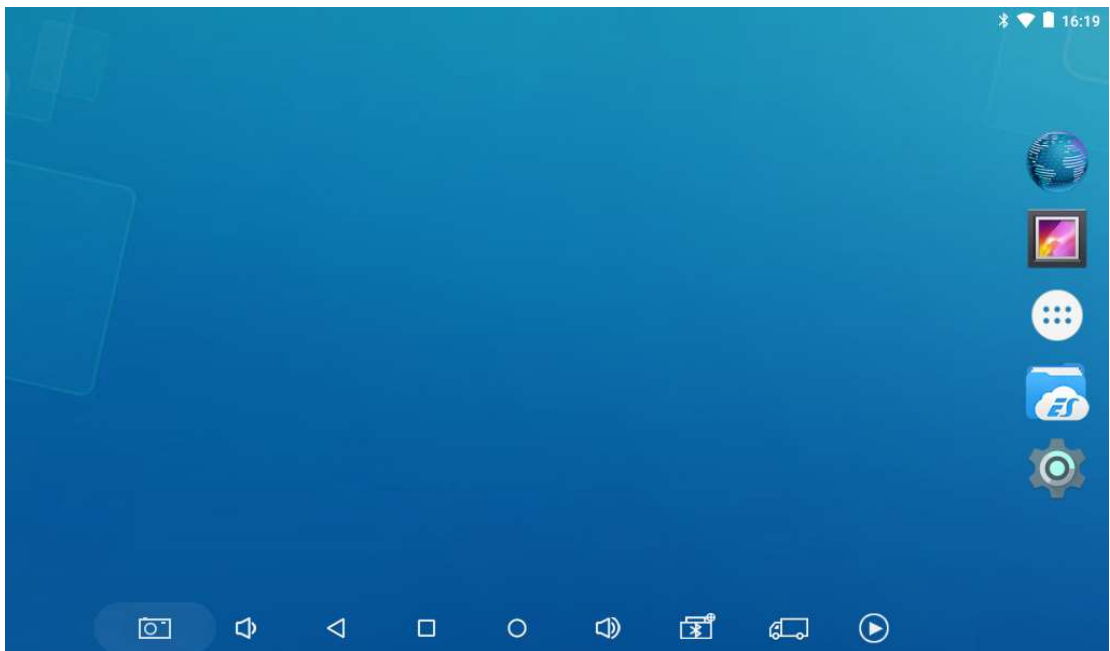


① If you meet problems like “Registration failed”, please check your network or contact Xtool aftersales services.

MAIN INTERFACE

OPERATION SYSTEM

The picture below (Fig 2-8) is the home screen of the operating system of the device. You can also return to this interface at any time by clicking  on the bottom navigation bar.



The app icons are as follows:

Items	Descriptions
	Browser
	Gallery
	Application Menu
	ES File Explorer
	Android Settings
	X100PAD PLUS Key Programming System

- a) **Browser:** Click on the browser icon to enter the browser to view the official website of Xtool or search for other information.
- b) **Gallery:** Click the **Gallery** icon to enter the album and you can quickly view the pictures or screenshots stored in the device. You can select the picture you need, click the share button on the upper right, and send the picture to your mobile phone or PC via Bluetooth or USB connection

- c) **Application Menu:** Show all the apps that you have installed into the device. Also allows you to manage them.
- d) **ES File Explorer:** You can manage APP, music, files, pictures, etc. in the device in this function, and you can also use Local/Home/Cleaner to clean up files.
 - ① If you need to check the files inside X100PAD PLUS app (not recommended), please use the file explorer inside X100PAD PLUS app.
- e) **Android Settings:** Allows you to check and change the settings of the Android system, including network, battery status, language, device info and factory reset.
- f) **X100PAD PLUS Key Programming System:** This app provides all the key programming and diagnostic functions, and also offers a range of special maintenance services.
 - ① It will be referred as “X100PAD PLUS app” later in this manual.

X100PAD PLUS APP MENU

Every time you start the tablet, you will automatically enter the X100PAD PLUS app with the following main screen. Tap on diagnosis application button on the menu, the main menu will be shown as below:



This main menu contains **Function Buttons** and **Navigation Buttons**. The touch screen navigation is made up by several menus, and you can quickly access functions by clicking on the icons. A detailed description of the menu structure can be found in the next section **Function Buttons**.










FUNCTION BUTTONS

The following table briefly describes each menus under the main screen.

Menu	Description
Diagnosis	Enter immobilizer/diagnosis menu
Remote	Enter TeamViewer for remote support
Update	Update the immobilizer/diagnosis software through Internet
Settings	Select the language and unit shown in the app and shows the device info and workshop info
XCloud	Check Xtool official website for full support list, check user manual and other details
Report	Check the diagnosis report that recorded in your device, print as PDF files, or share to other devices

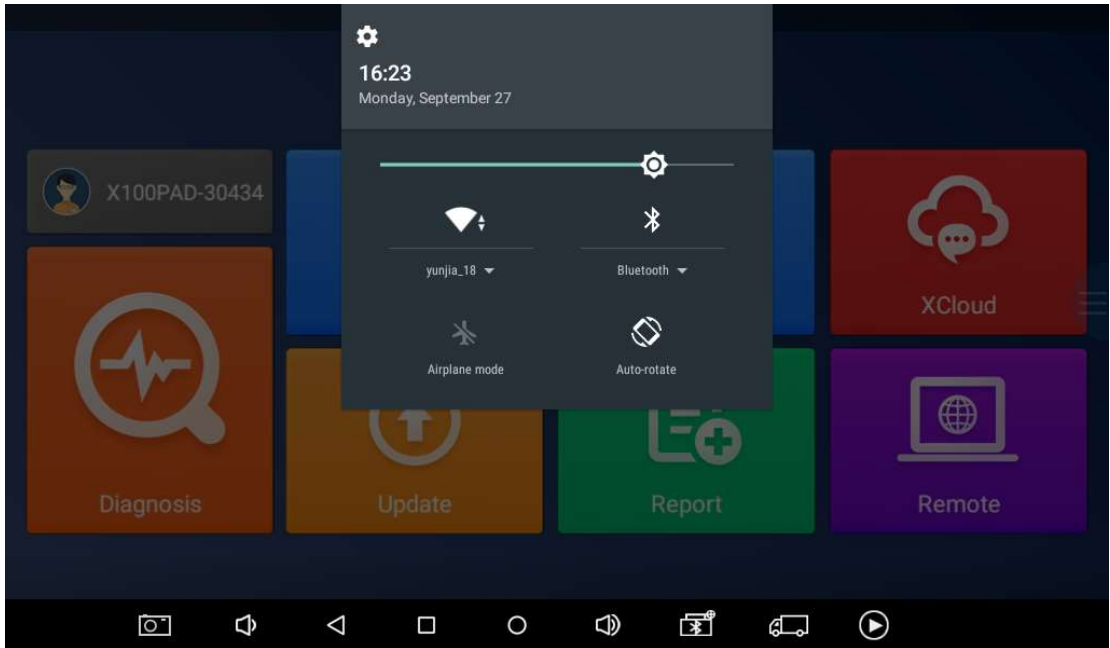
NAVIGATION BUTTONS

Instructions for operating the navigation bar buttons at the bottom of the screen, as described in the table below:

Items	Descriptions
	Back to previous screen
	Back to the main screen of Android system
	Shows recently used applications
	Press to screenshot
	Increase volume
	Click here to return to diagnostic vehicle models interface
	Decrease volume
	Bluetooth menu
	Tap to start/stop recording screen

NOTIFICATION BAR

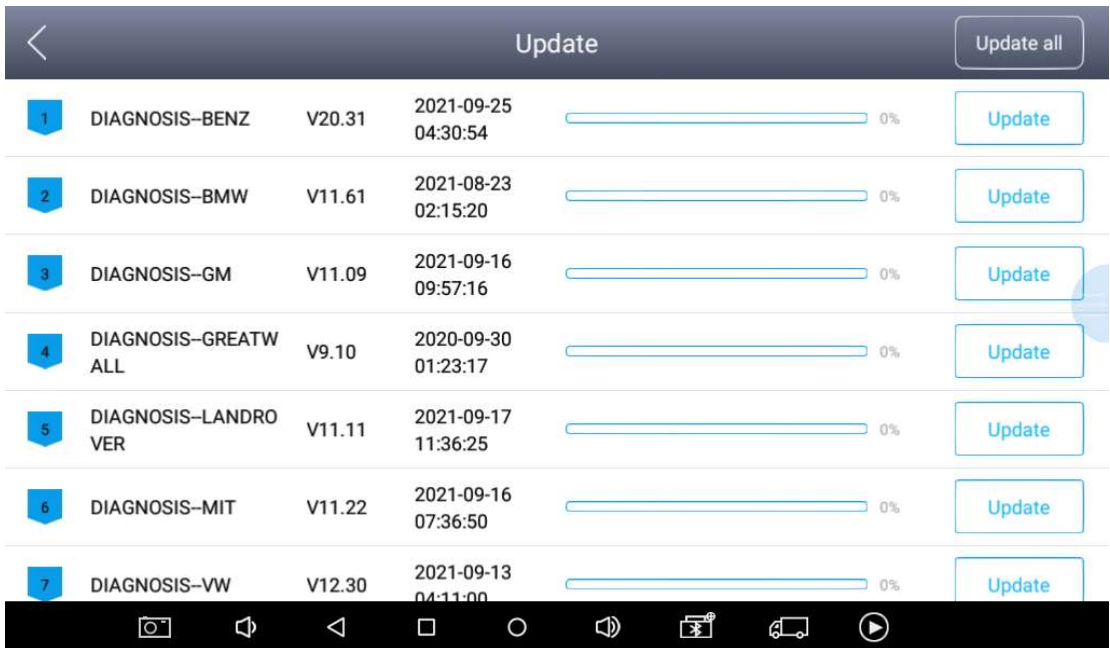
Slide down to open the notification bar. You can adjust the brightness of the screen when you need, and you can also connect Wi-Fi and so on.



3 UPDATE

After activating the device, please update the software in **"Update"** first. The device will pull all currently supported software packages from our servers, and you can download them as needed. To access the update application, open the diagnosis application and click UPDATE, and it will show as below:

① X100PAD PLUS has a two-year free subscription when activated. When you click "update" and it shows "your device is now out of subscription", please contact your dealer.



4 KEY PROGRAMMING

The key programming software inside X100PAD PLUS app can get access to the immobilizer system inside the vehicles and supports multiple functions like key programming, generate dealer key, all key lost, immobilizer reset or changing, EEPROM chip coding and much more.

① For different manufacturers, the menu inside each software and the supported functions will be different. We suggest checking the support list inside our official software first or ask XTOOL aftersales services if you have any questions.

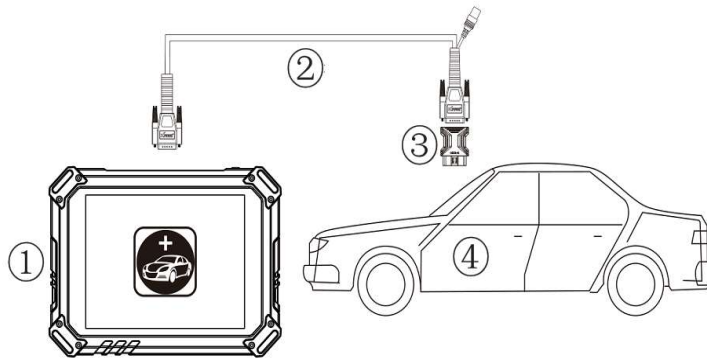
VEHICLE CONNECTION

To start the key programming process, the VCI communication box should establish communication with the vehicle, and Bluetooth should be connected between the tablet and the VCI box. Please follow the steps below.

1. Turn on the tablet.
2. Connect the vehicle to the tablet following the diagram below.
Usually, the OBD port is located under the dashboard, inside driver's footwell.
3. Click into the menus to perform the functions.

① The main cable will charge the tablet when connecting to the vehicle.

① Some older vehicles are not using the OBD2-16 port, please make sure you're using the correct connector. There are extra connectors that's attached into X100PAD PLUS, but please contact your dealer if you need other connectors.



IMMOBILIZER MENU

Click “Key Programming” icon on the main screen and get into the immobilizer menu. Choose the brand of the vehicle to start the programming process. You can also click the search icon on the top-right corner of the screen and find the brand you need.

① If you need to check if your car is supported, you can check the support list from the official website.



IMMOBILIZER FUNCTIONS

Normally the key programming software supports these functions:

- Check number of keys
- Read PIN code/pin code calculation
- Add key
- Generate dealer key
- All key lost

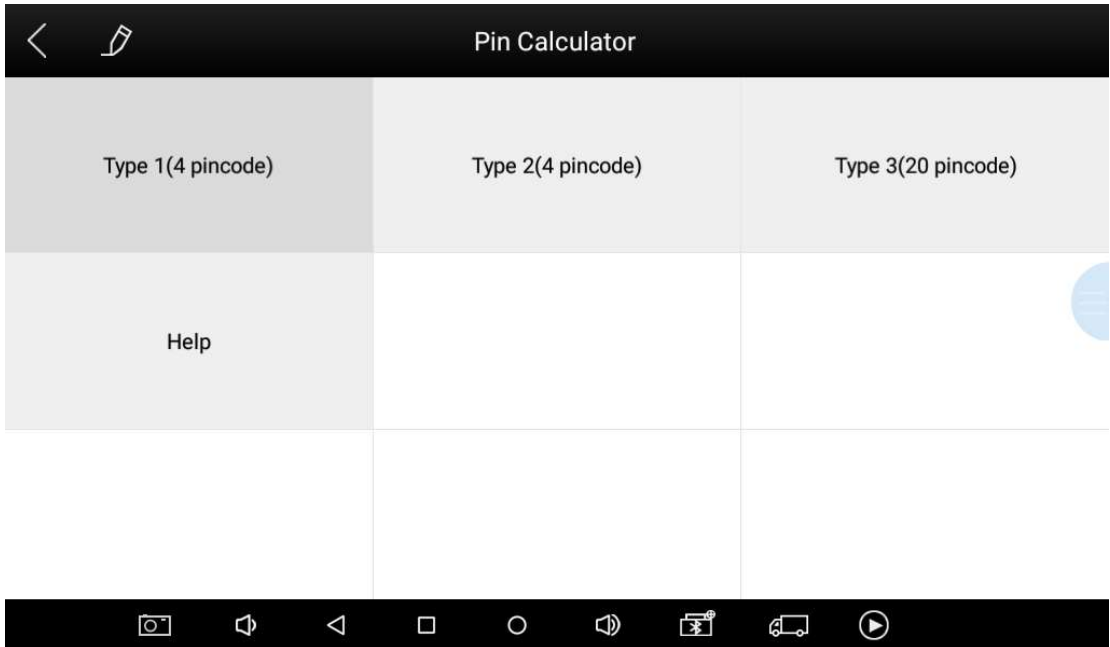
And more...

Some examples will be provided in this manual to help you understand the process.

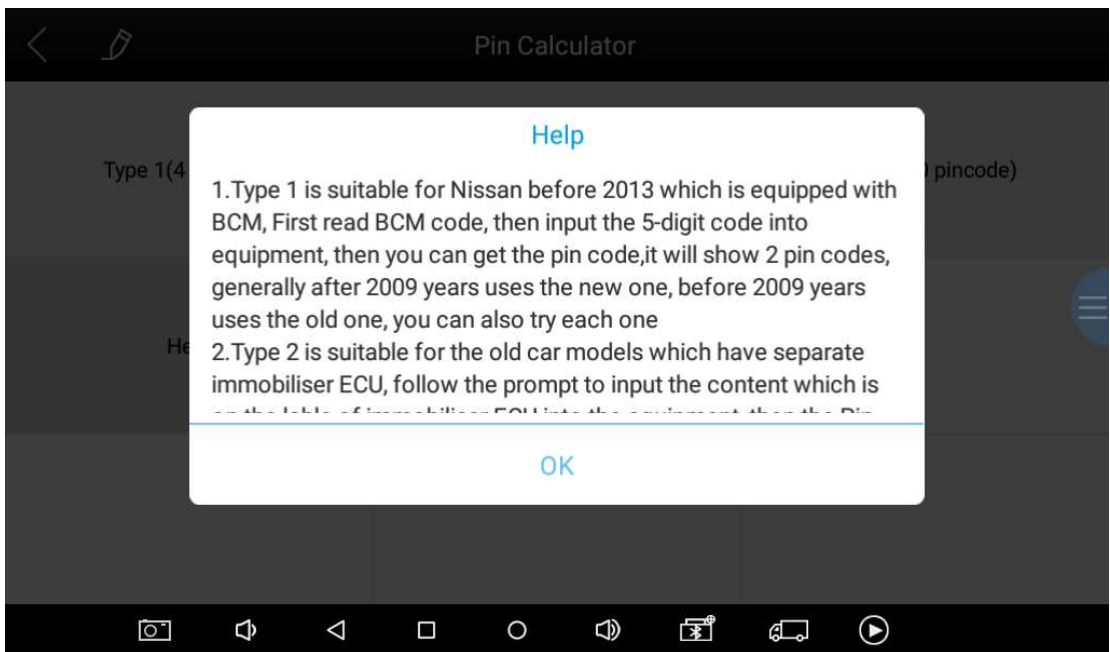
① For different models with different immobilizer modules, the key programming process will be completely different. Because of that we can only give some examples about how to do that. Most of the process could be done by following the instructions on the screen. But if you are not sure how to do that, please check the tutorials.

READ PIN CODE/PIN CODE CALCULATION

Let's take Nissan software for example. Click "Diagnosis – Services - Immobilization – Nissan – Pin Calculator" to enter the system, then this menu below will show up.

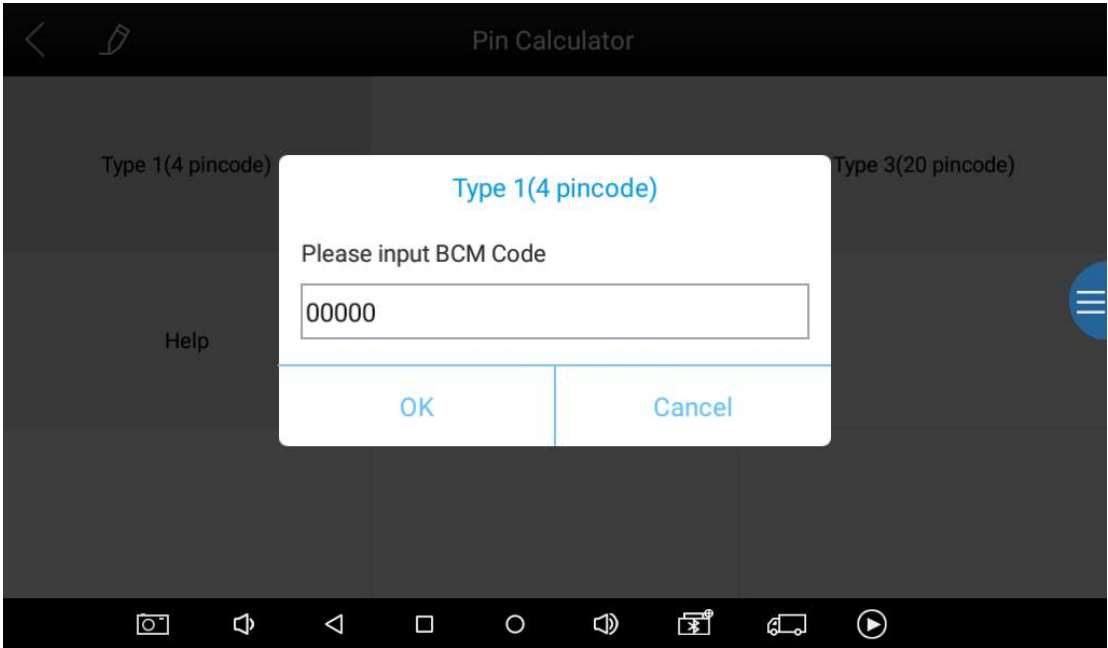


Please choose the type of your vehicle. If you have any questions, please click “Help” for more details.

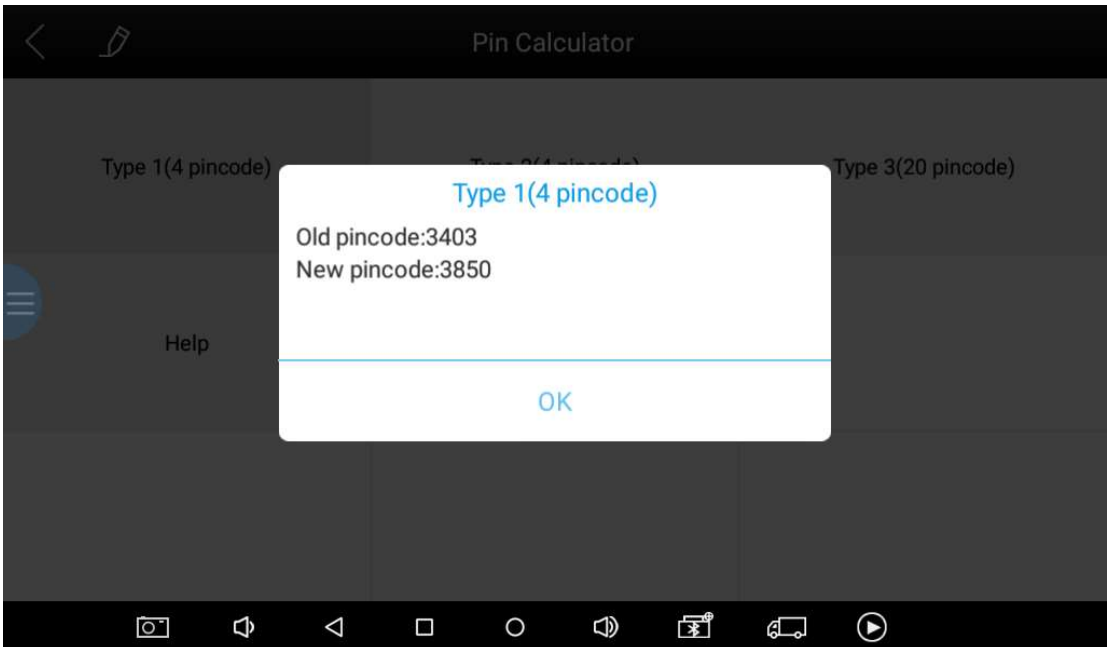


Here we choose “Type 1”, then insert the 5-digit BCM code.

① The BCM for Nissan vehicles may be found under the steering wheel, behind the glove box, behind the passenger/driver side kick panel and behind dash cluster - depending on the model of vehicle.



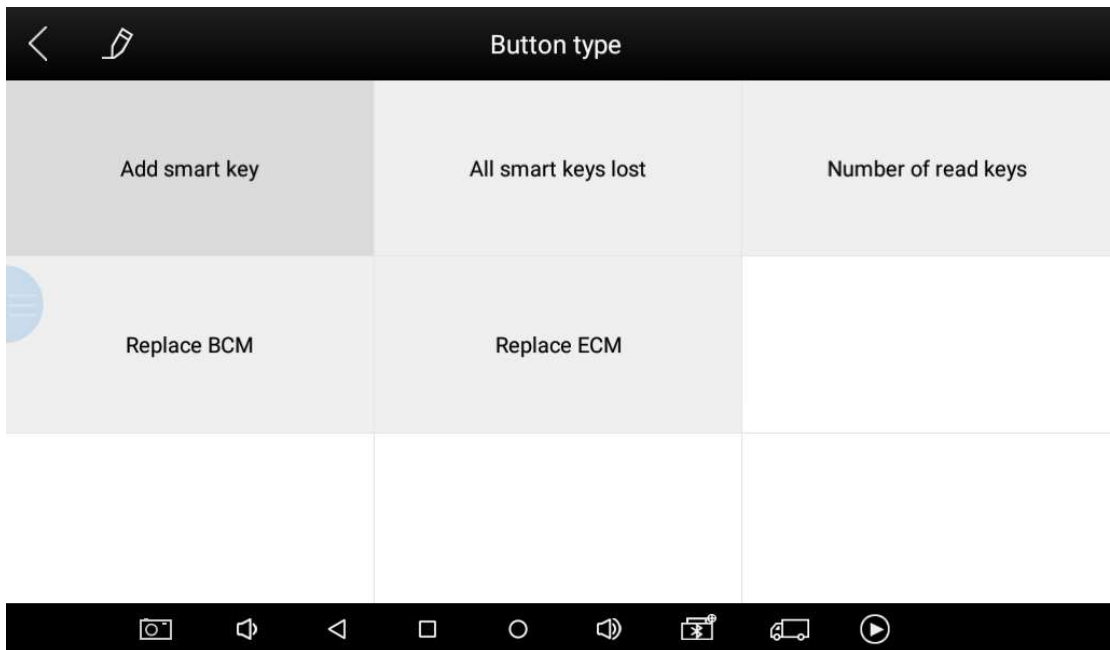
After you inserted the code, the results will show up.



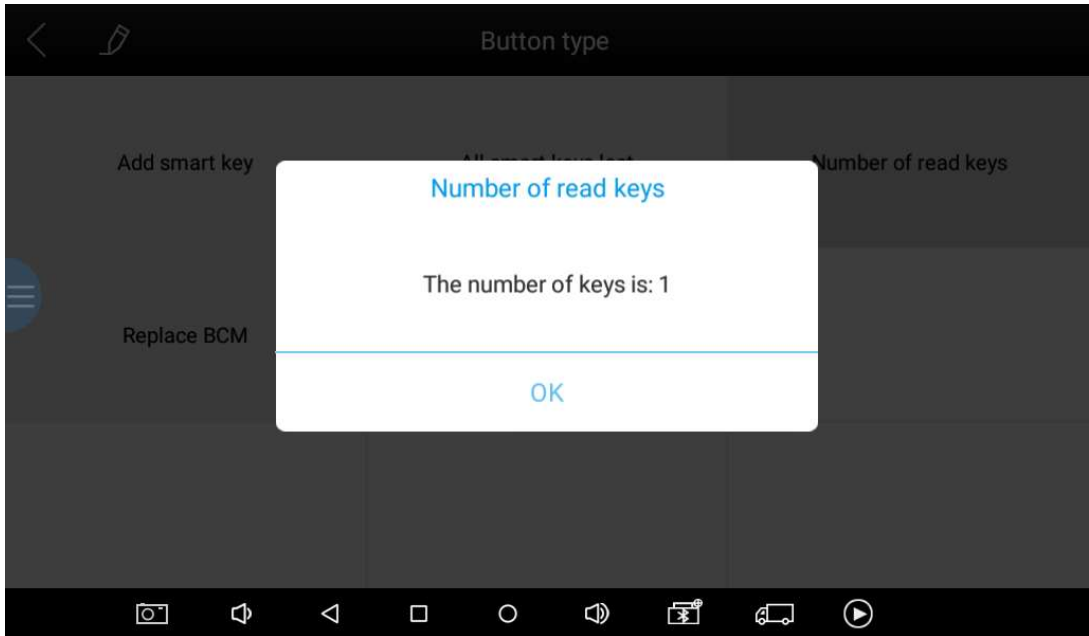
① Quick Tip: If you have trouble working on Nissans, please change the language into English, check the updates and see if there is a “NISSAN PIN DATA”. Usually download it will solve the problem.

CHECK NUMBER OF KEYS

Here we take a 2020 Honda Accord with smart key as an example. Click “Immobilization – Honda – By vehicle – Accord – Smart key – Button type” to enter the system, then this menu will show up.

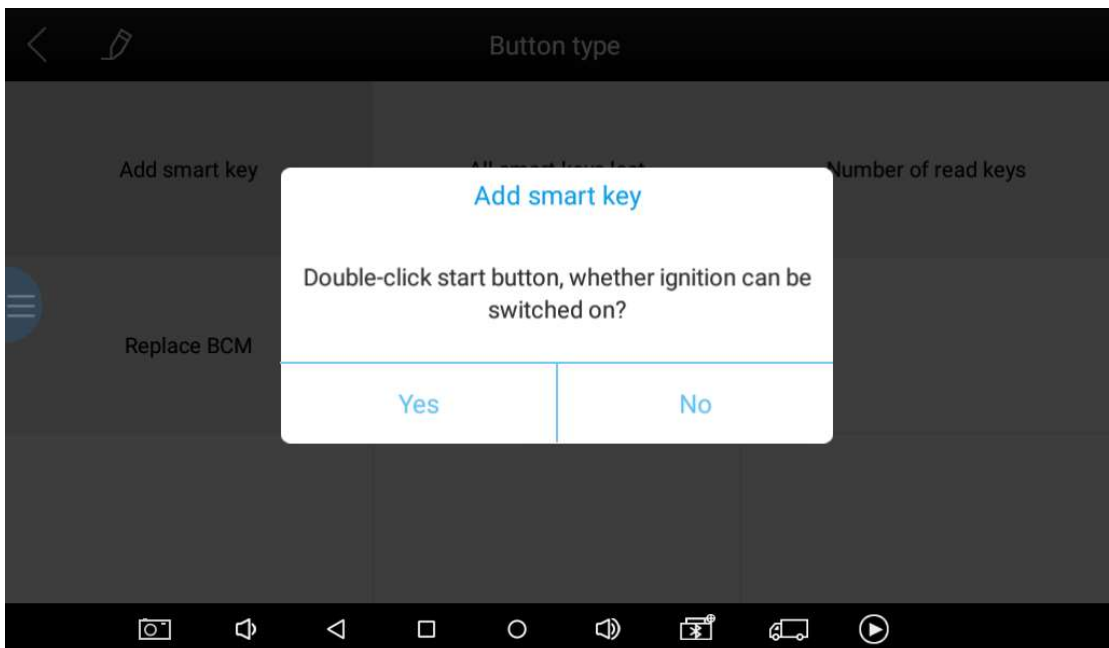


Click “Number of read keys” and it will show the number of the keys that are registered to the vehicle.

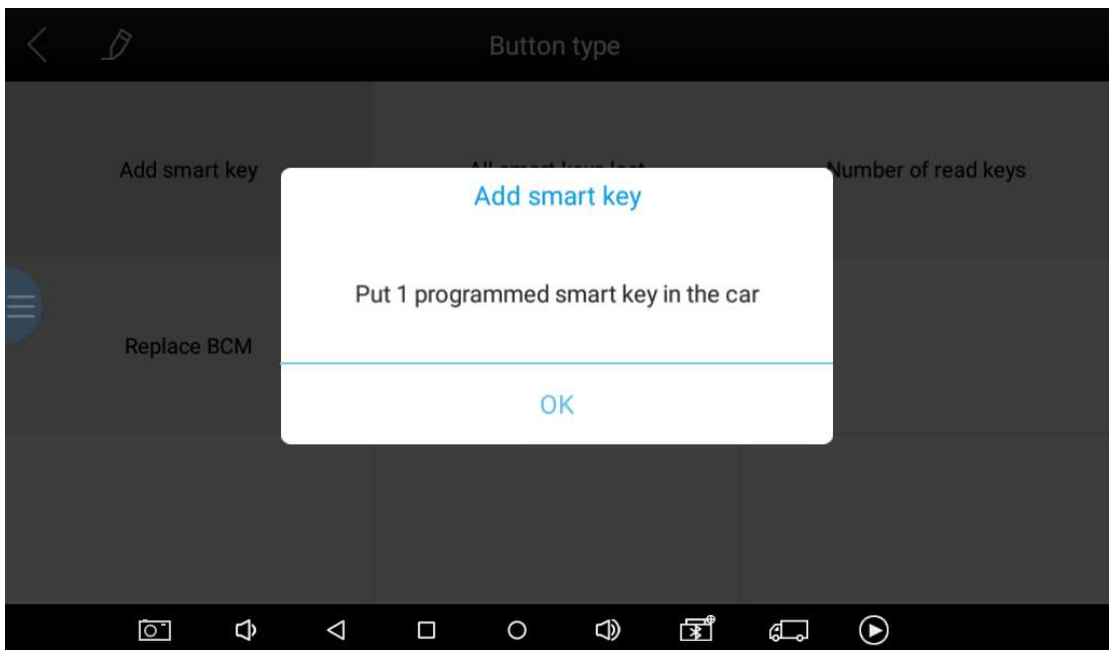
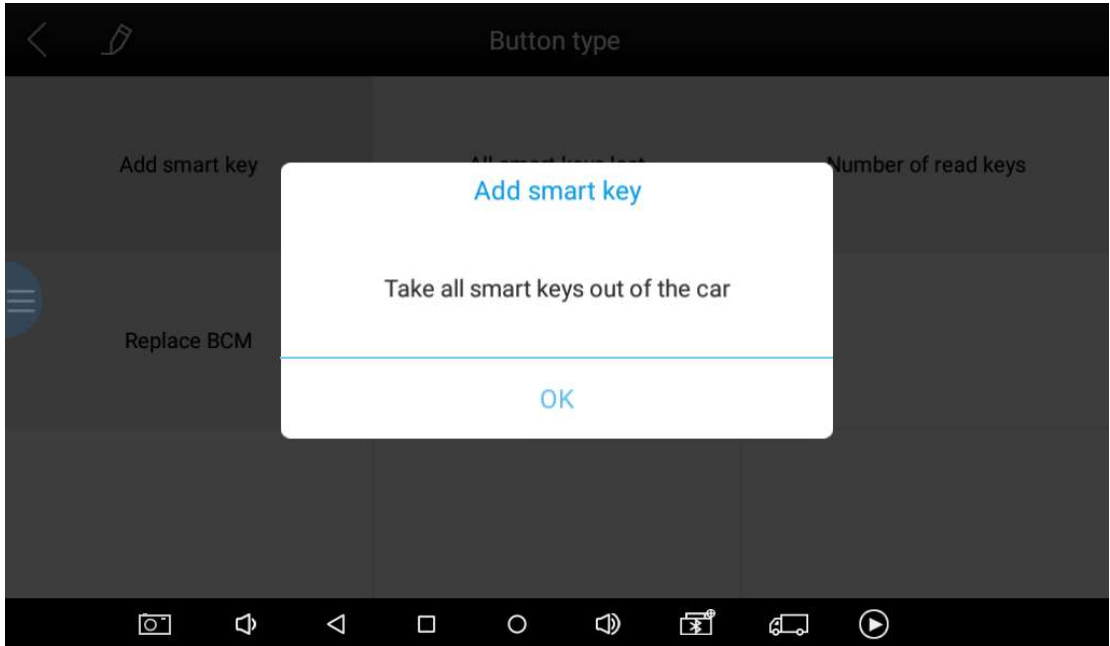


ADD KEYS

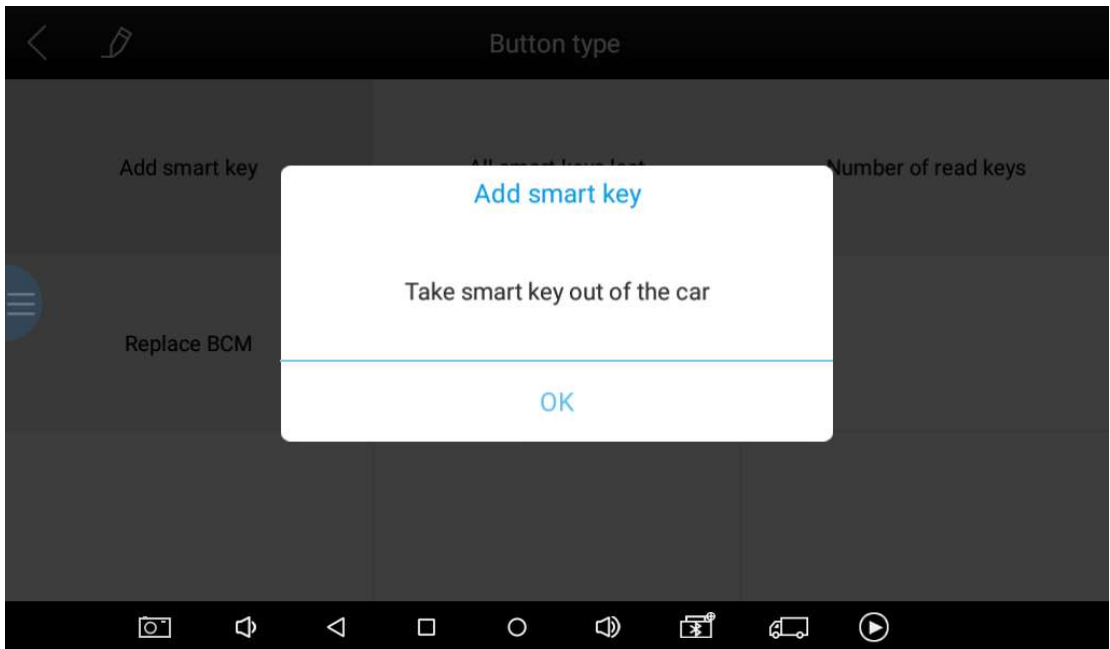
Still take the 2020 Honda Accord as an example. Click “Add smart key” menu, then check the notice from the screen.



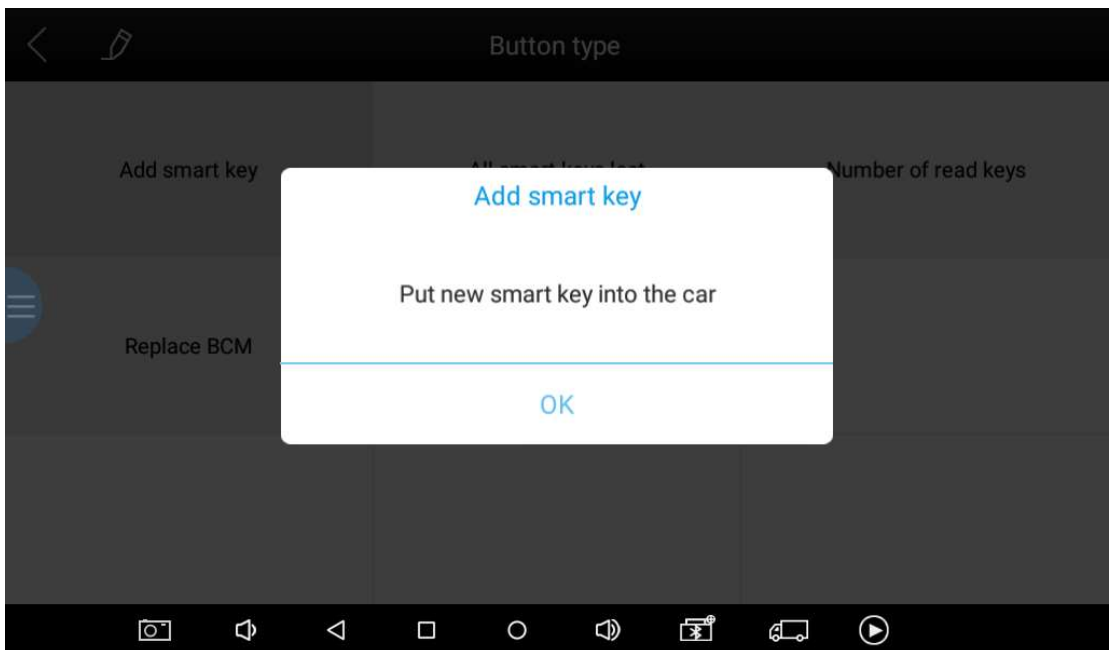
Because this vehicle is paired with smart keys, we need to take all the keys out from the vehicle before programming, then put the original key inside the car.



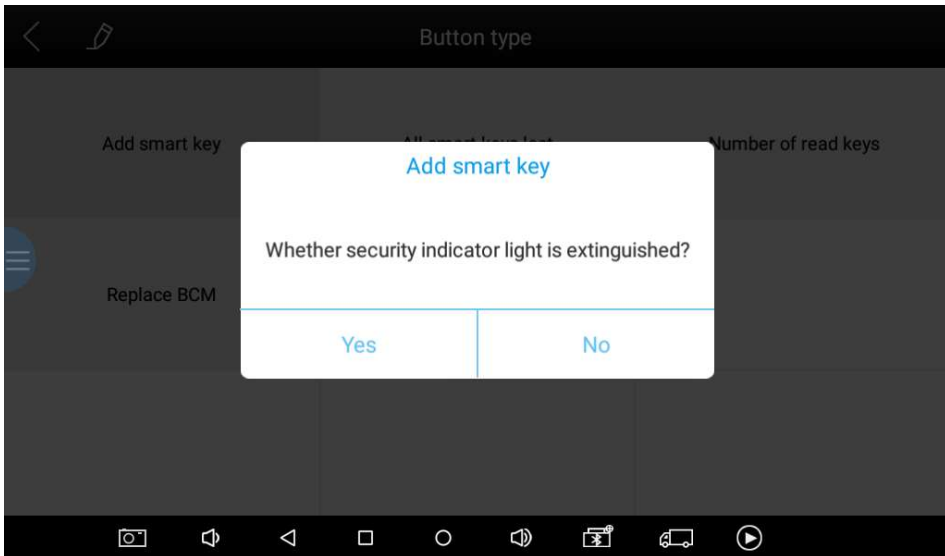
Now the system will configure the data and after it's done, take the smart key out from the car first.



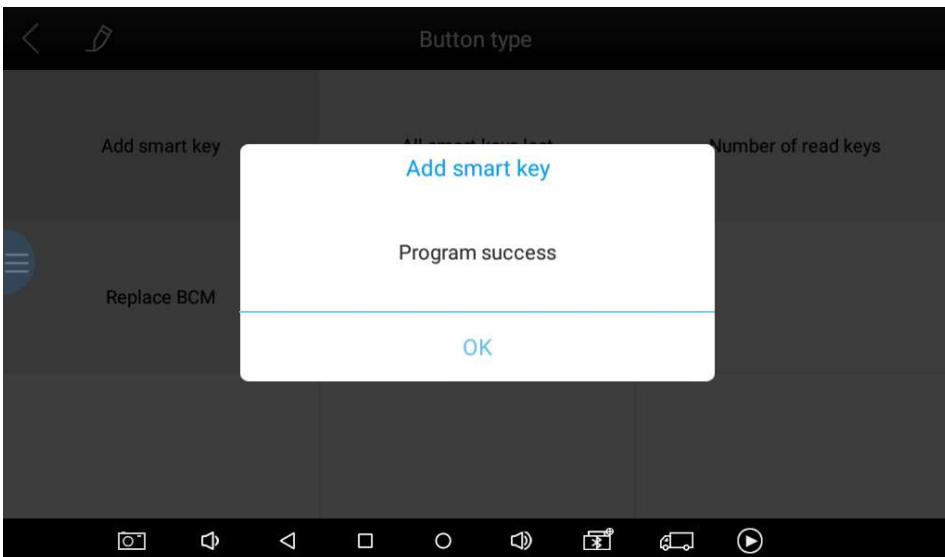
Then take a new key and put it into the car.



Then it will start processing. You need to follow the instructions and turn the ignition on and off for several times when processing. Then the system will pop up a notice, telling you to check if the security light on the dashboard goes off.

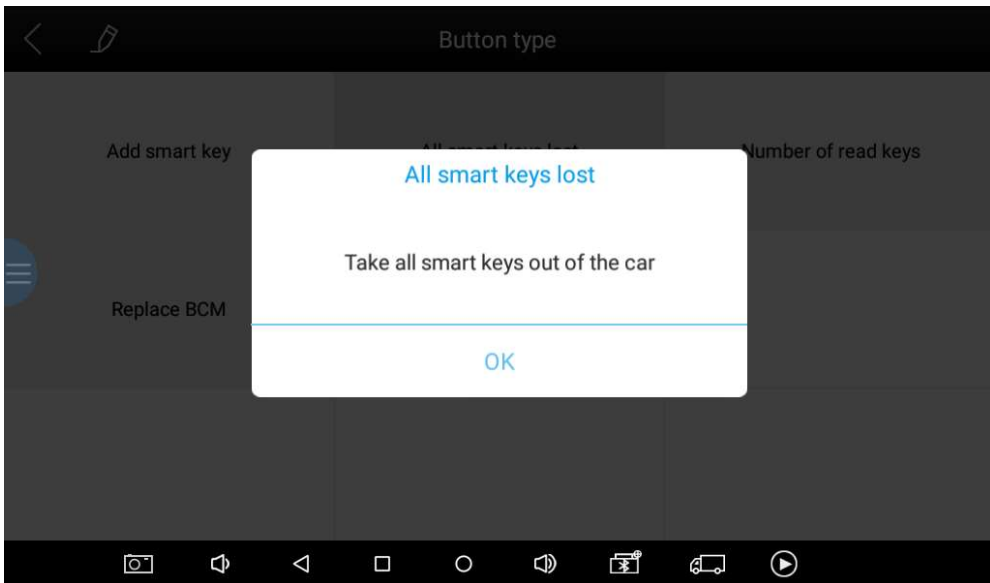


If it really goes off, press “Yes”, wait for a while, and the process will be done.

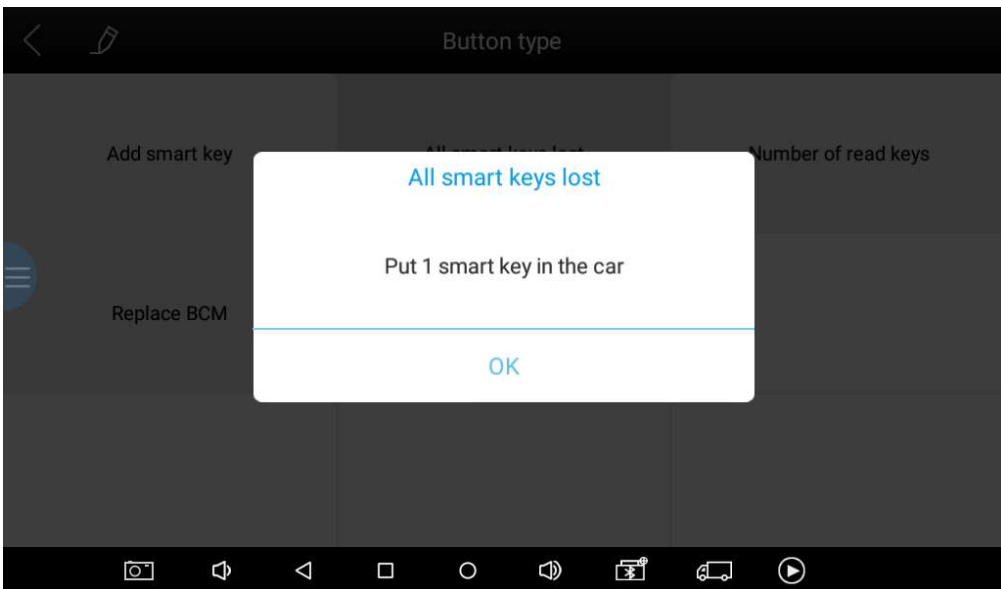


ALL KEY LOST

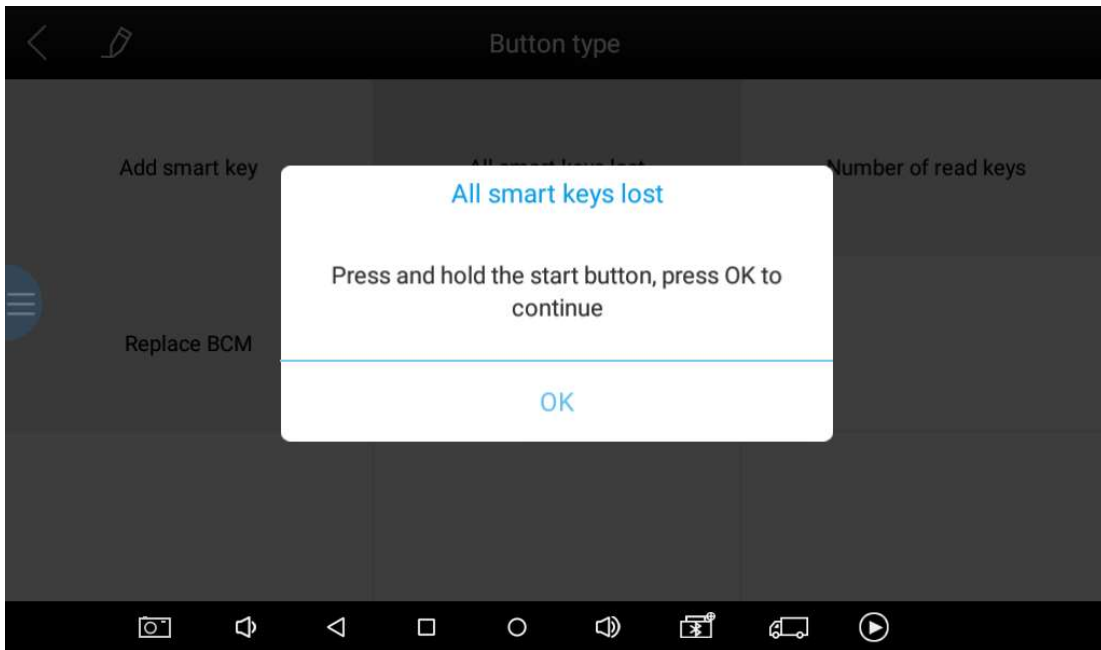
Still take the 2020 Honda Accord as an example. Click “All smart keys lost” menu and this notice will show up. Follow the instructions and take all the keys out from the car, then click “OK” to continue.



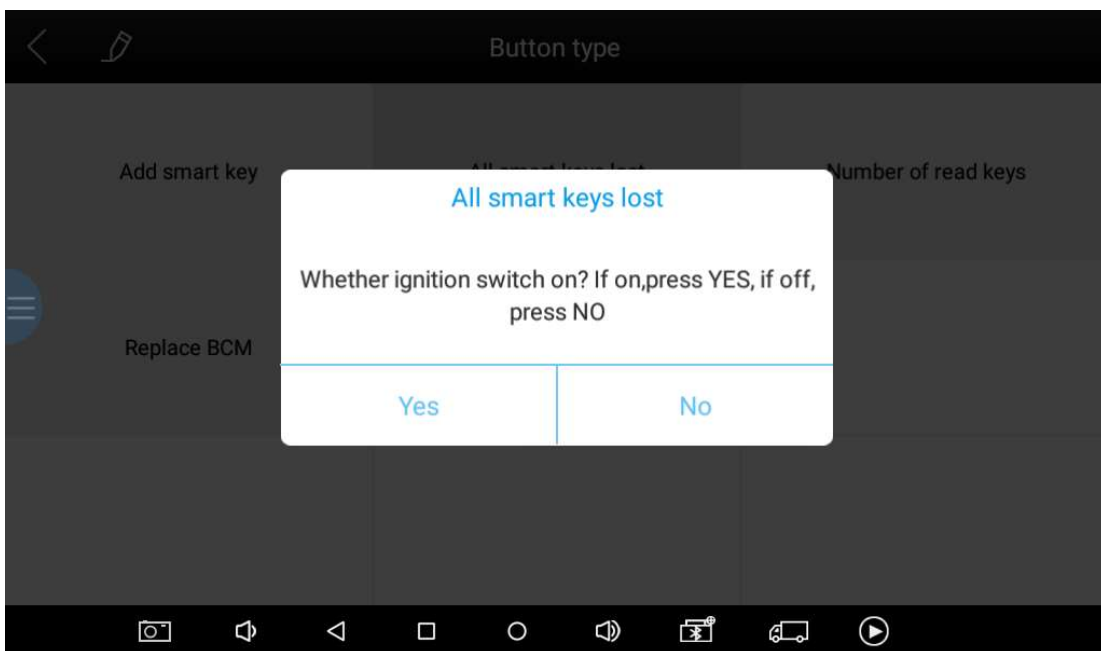
Then put one of the new keys inside the car.



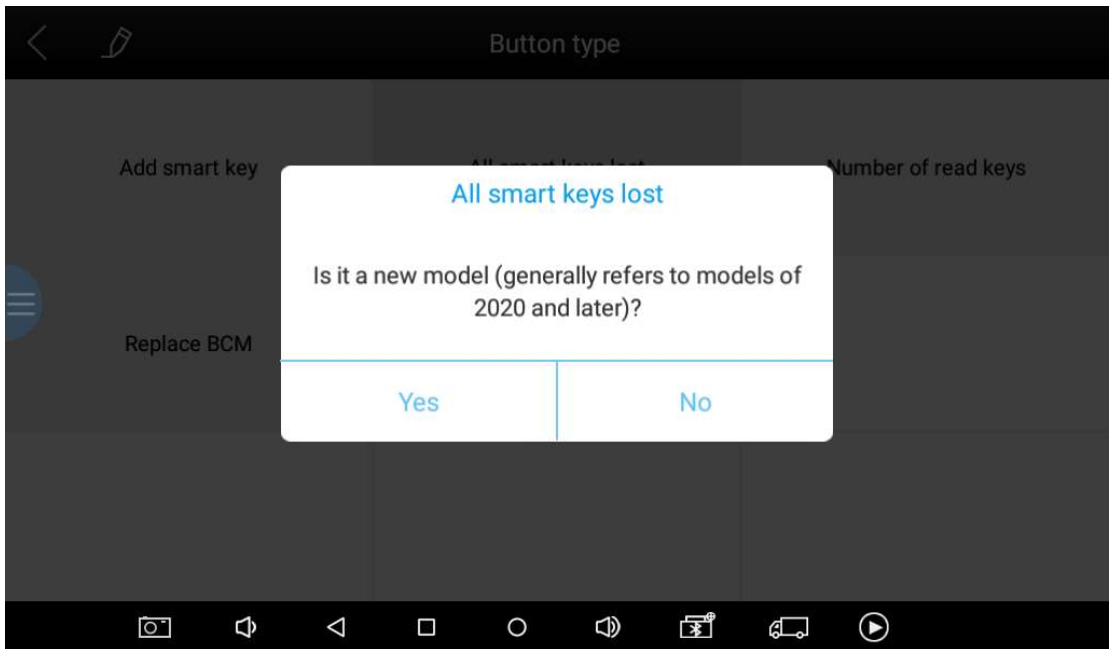
Then press and hold the start button, and press “OK” to continue.



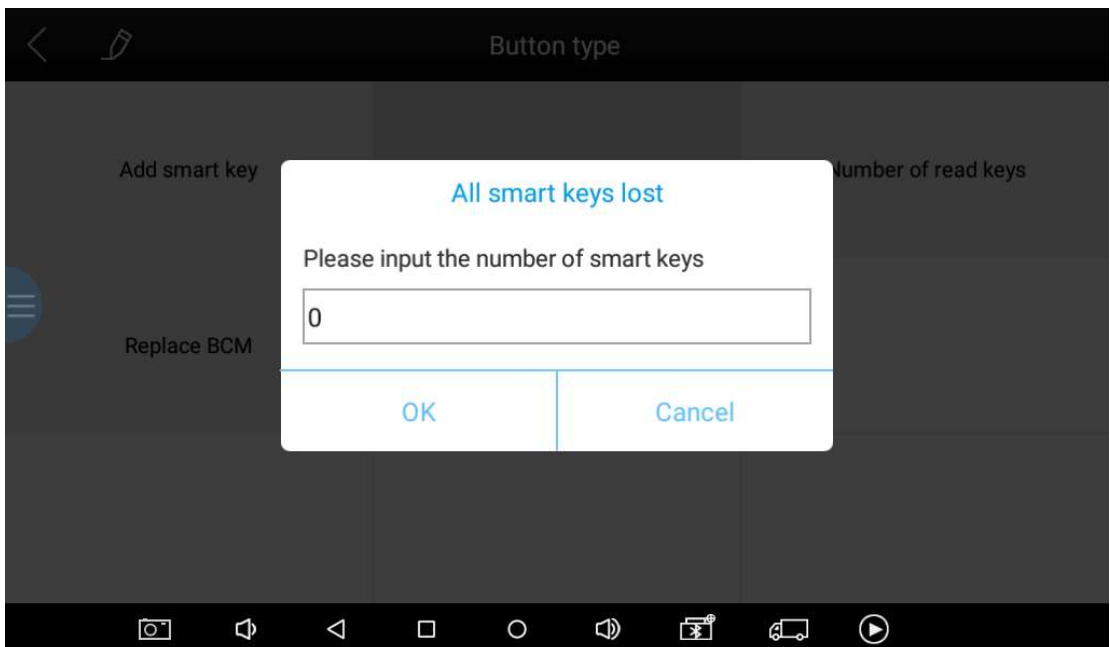
After that, please check the ignition status. Because this is an all-key-lost situation and normally the ignition will not turn on, we click “No” here.



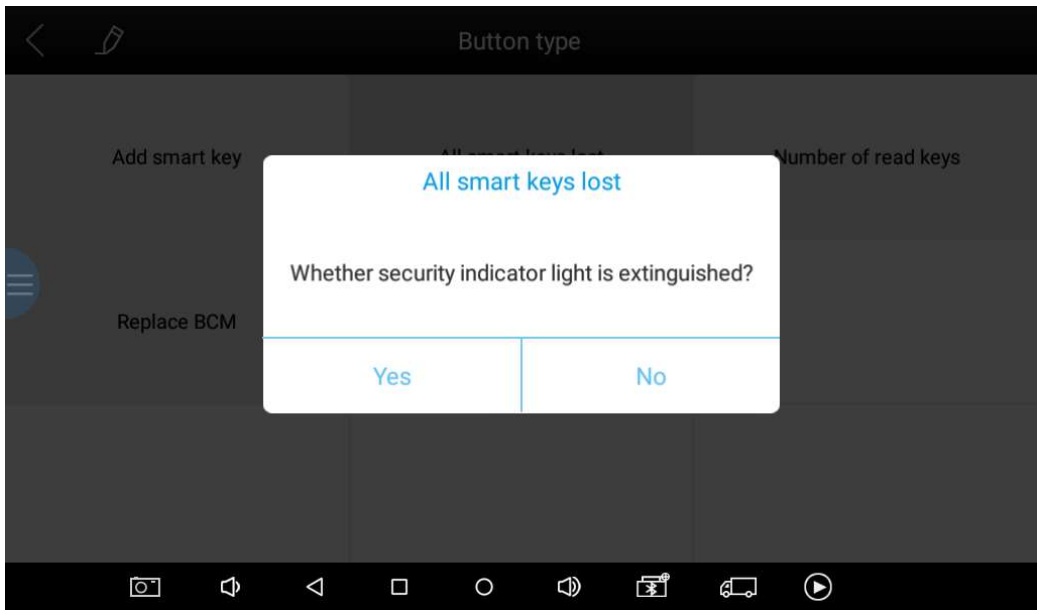
Then it will check the model. Because this is a 2020 model, we select “Yes” here.



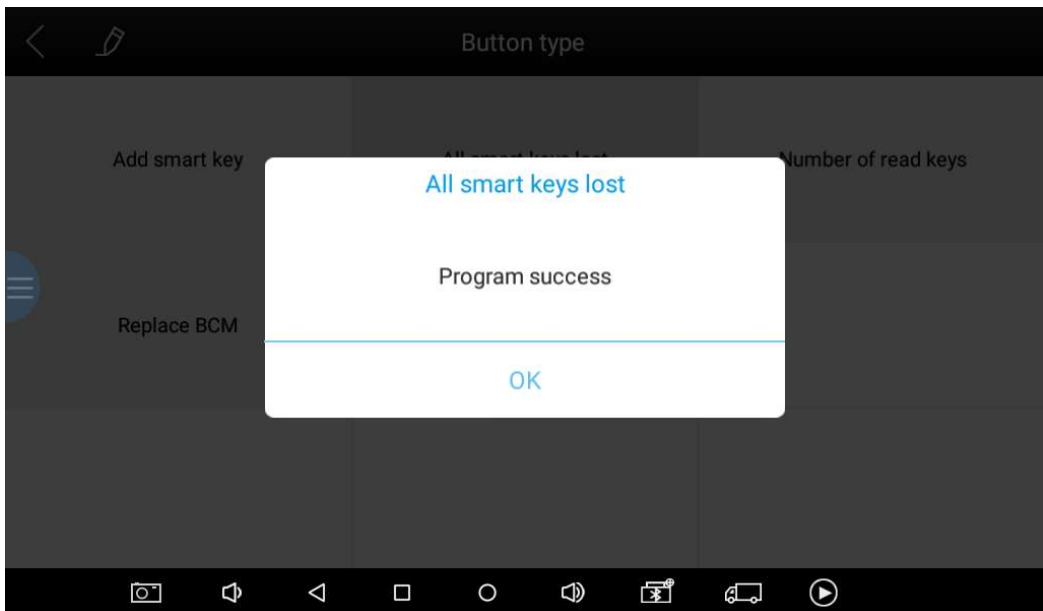
Now input the number of keys you’re going to program; we choose 1 here.



Like the “add key” process, it needs you to turn the ignition on and off for several times. After that, check security light of the dashboard.



Then the instructions will tell you to turn the ignition on and off again. It will show “Program success” when it’s done.



① We suggest checking all the keys every time after you programmed the key.

5 DIAGNOSIS

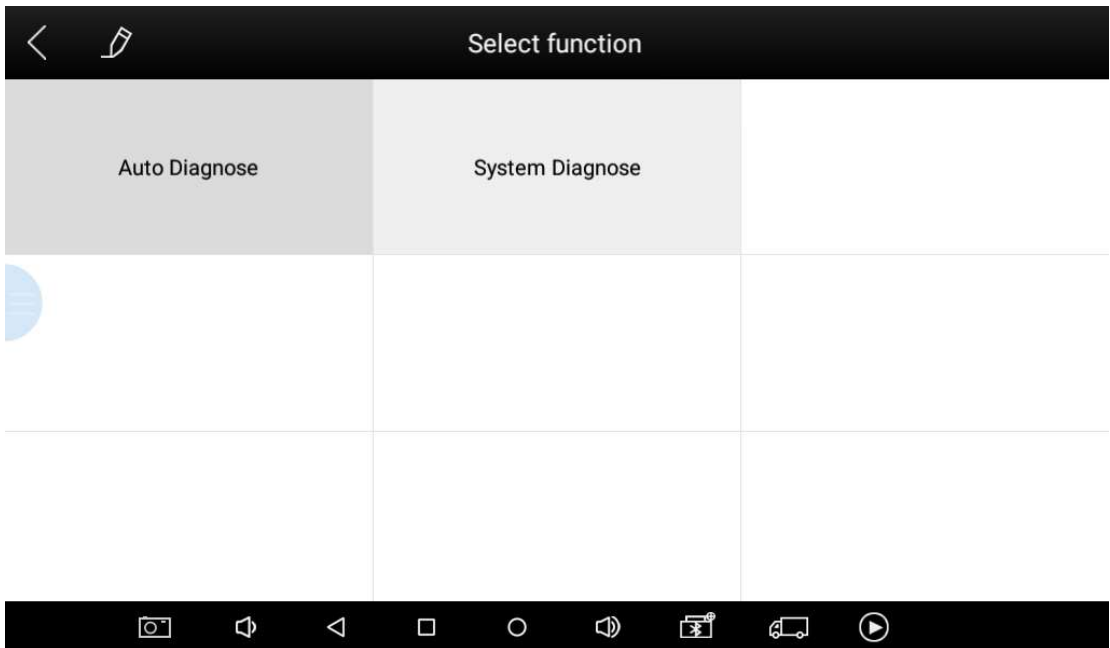
The basic diagnostic application on X100PAD PLUS can read and clear DTCs on the vehicles. The diagnosis application can access the electronic control unit (ECU) of various vehicle control systems, including the engine, transmission, anti-lock braking system (ABS), airbag system (SRS).

VEHICLE SELECTION

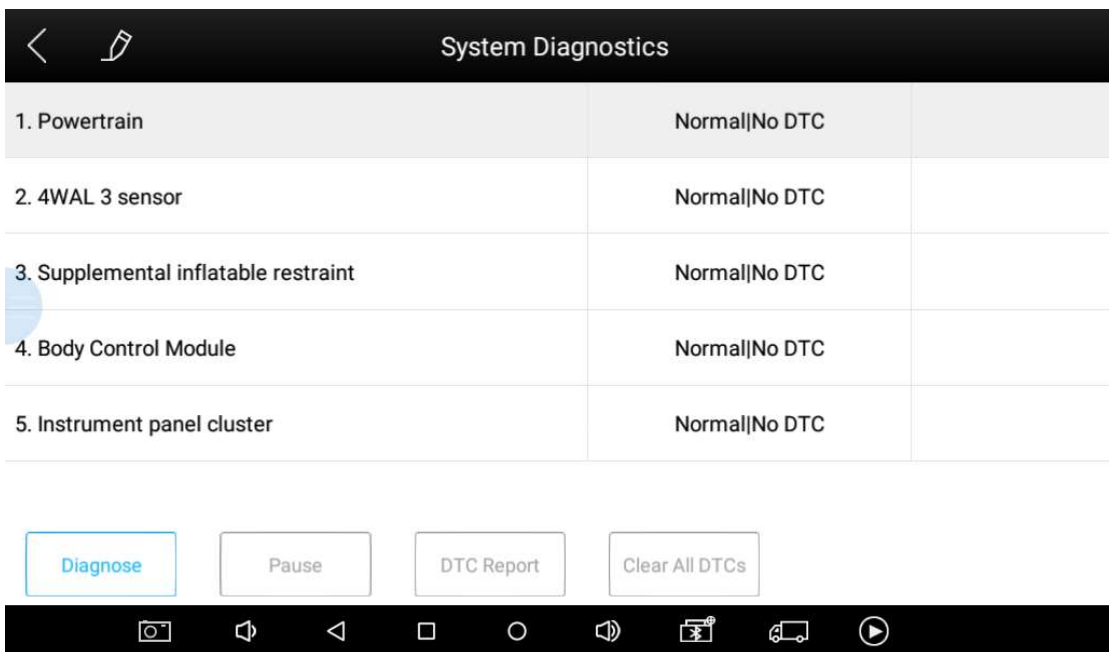
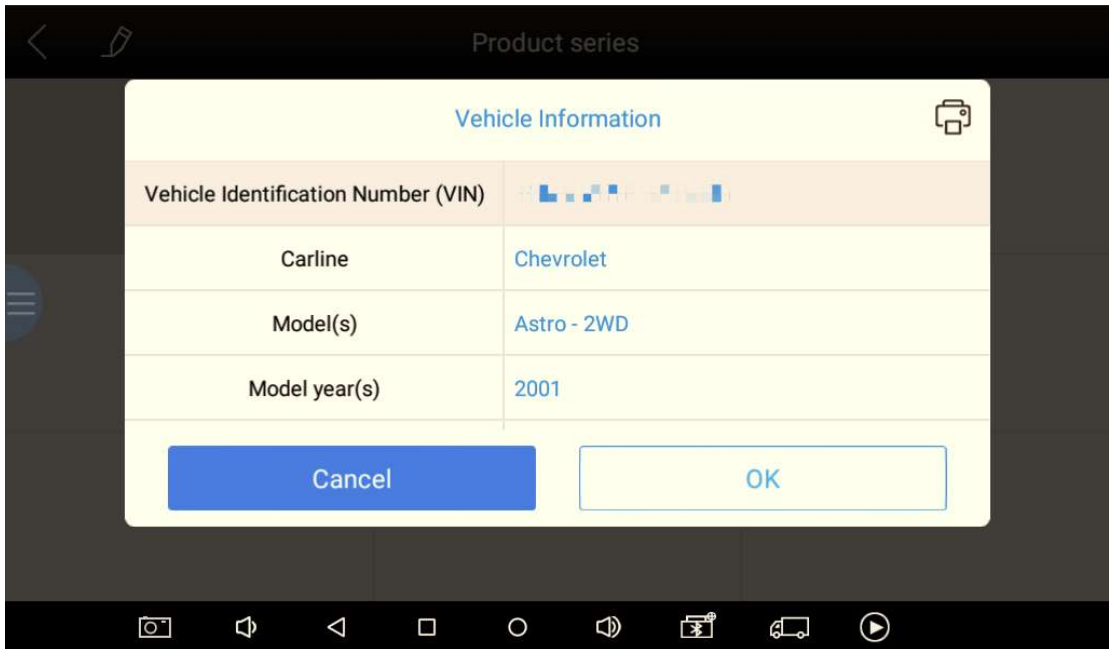
Click “Diagnosis” icon on the main screen and get into the diagnosis menu. Like the immobilizer menu, the brands will be shown on the screen. Select the region of your vehicle, click the correct brand, and start diagnosis process.



For some of the brands (like Volkswagen), when you click in the software, there are several ways to select the model or system you want to run a diagnosis, including **Automatic Detection**, **Manual Selection** and **System Selection**. Now we are using a 2001 Chevrolet Astra as an example, and it will show manual selection menu after auto-detect failed.



Automatic Detection will automatically identify the vehicle's VIN code, and then read the information of your target diagnostic object. If you choose "**Manual selection**", then you can continue to select the vehicle brand, year, and model of the vehicle in the sub-menu to diagnosis the vehicle. Enter "**System Selection**", you can also diagnose the vehicle according to the system according to your needs after selecting the model. The pictures below are X100PAD PLUS working on an auto-diagnosis on a 2001 Chevrolet Astro.

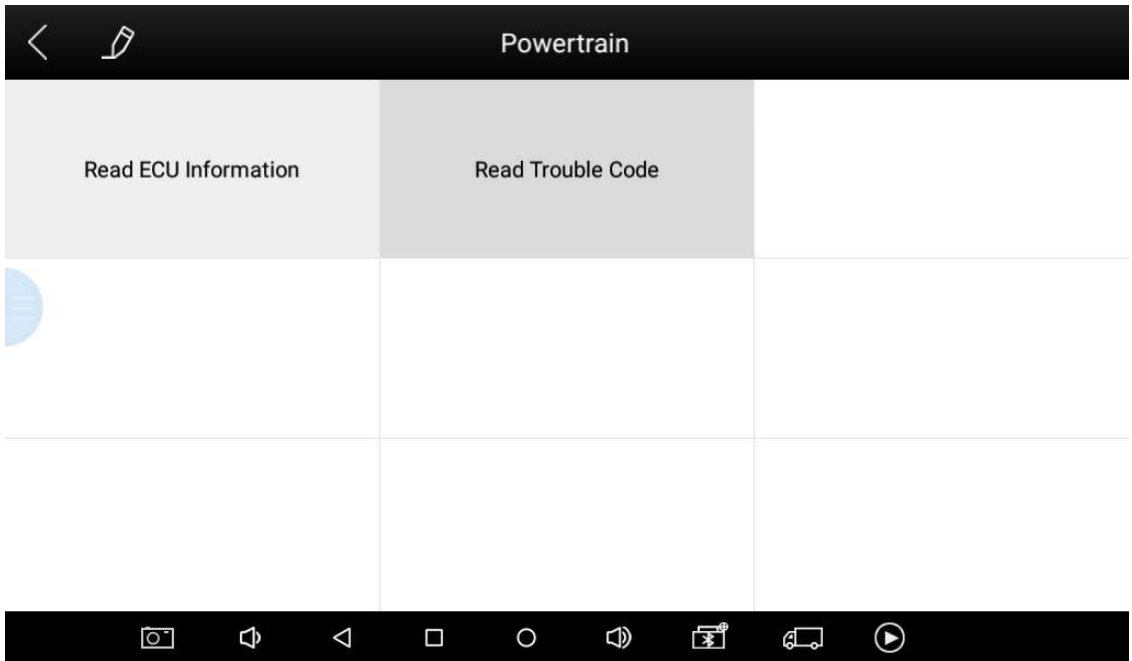


① OBDII menu supports reading the common fault codes in the engine. The DTCs may not be the same when comparing with using common diagnosis software.

① DEMO is a demonstration program. You can perform basic diagnosis functions without connecting to the car.

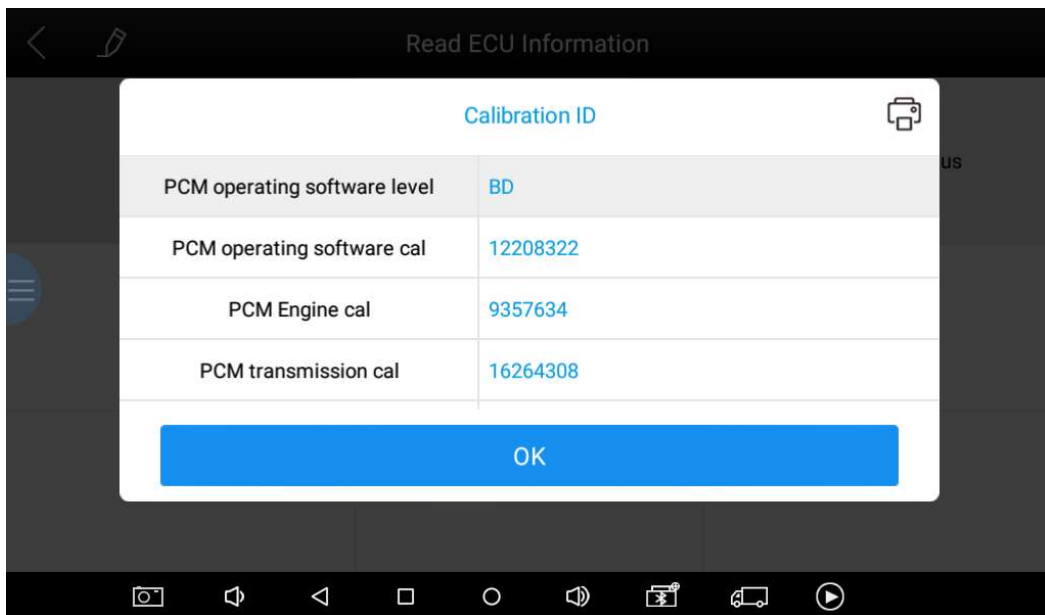
DIAGNOSE FUNCTIONS

The diagnosis system on X100PAD PLUS only supports read ECU information and read/clear fault codes (DTCs).



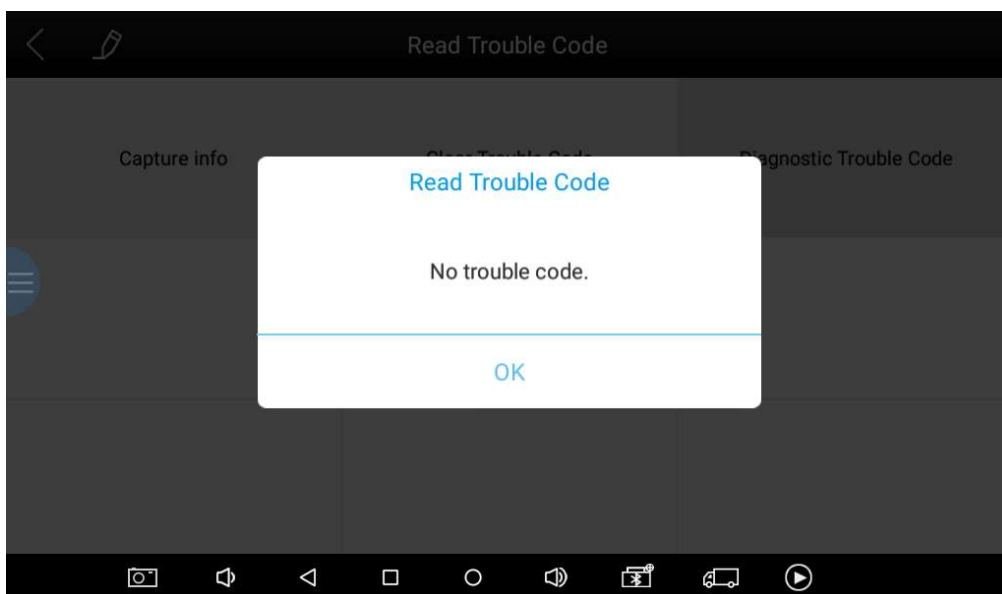
■ Read ECU Information

This function is to read ECU version information, which is the equivalent of "**System Identification**" or "**System information**" in some electronic control systems, which means to read ECU related software and hardware versions, models and production date of diesel engine, part number, etc.



■ Read Trouble Code

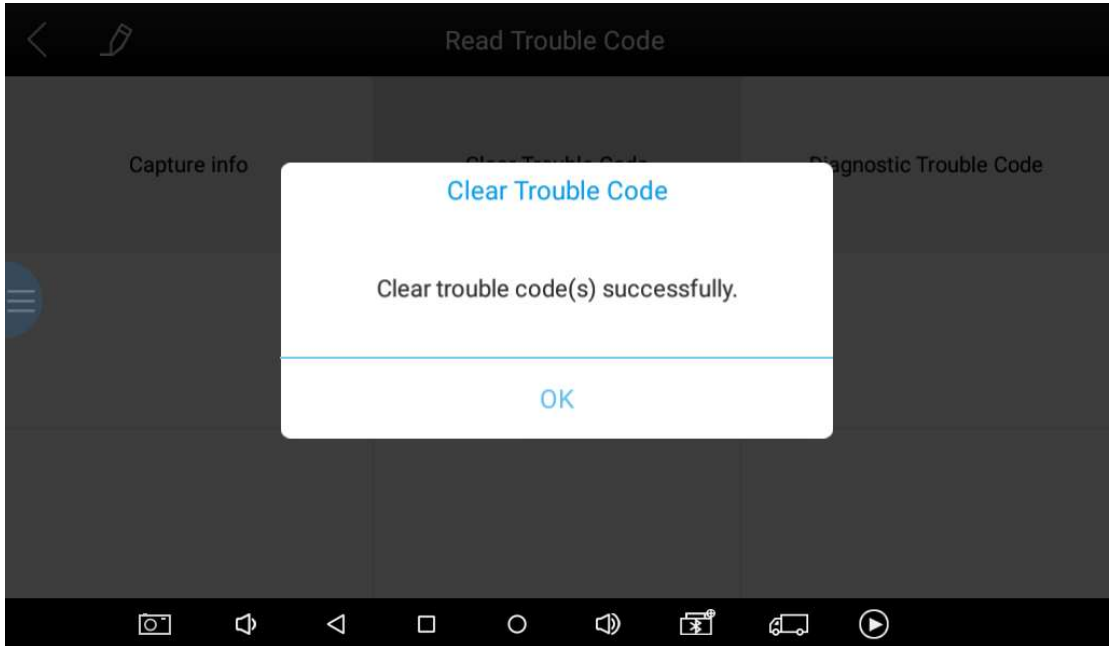
Read trouble codes that's stored in ECU.



① In the process of diagnosis, if the device shows “System is OK” or “No Trouble Code”, it means there is no related trouble code stored in ECU or some troubles are not under the control of ECU, most of these troubles are mechanical system troubles or executive circuit troubles.

■ Clear Trouble Code

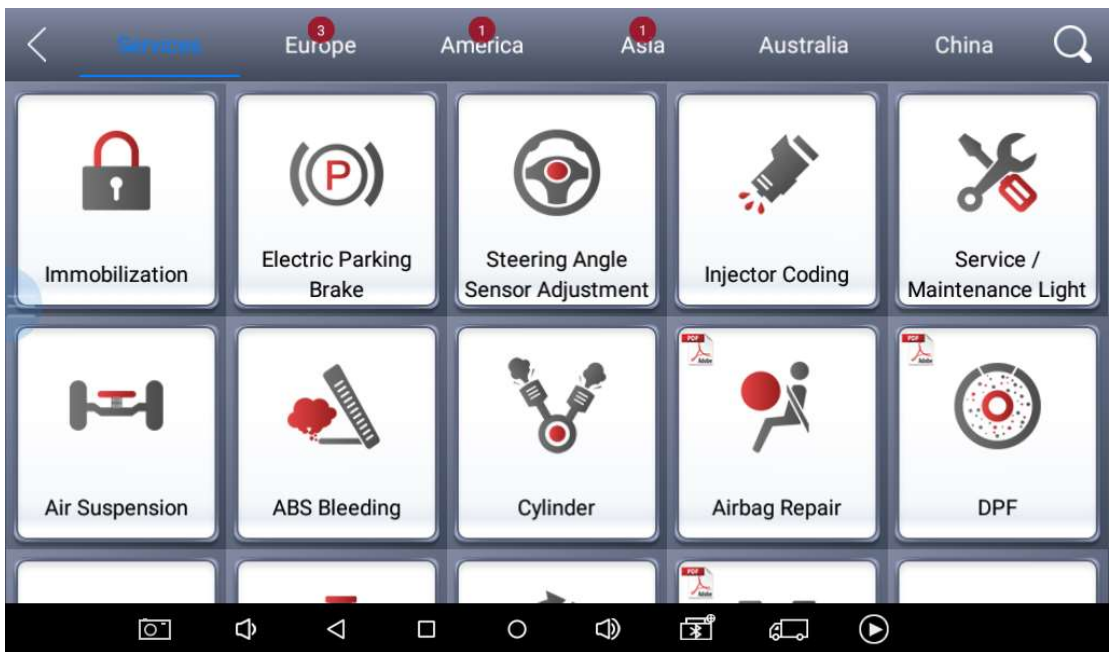
It allows to clear current and historical trouble codes memory in ECU, under the premise that all the troubles are eliminated.



① The trouble codes can't be erased without eliminating all the troubles, which will cause the diagnostic tool always reading the trouble code because the code will always be saved in ECU.

6 SPECIAL FUNCTIONS

X100PAD PLUS Auto Key Programmer also supports 21 commonly used special reset functions, allowing you to quickly access your vehicle system for various scheduled services, maintenance and reset performance, eliminating the need to reset after resolving common problems. This user manual lists some of the commonly used special reset services for your reference. The special functions interface is shown as below:



① Due to the limitation of screenshots, the special functions shown in this picture are not complete.

① All special functions supported by X100PAD PLUS are subject to the actual special functions displayed on the device.

① Please make sure the vehicle you're working on supports the original functions.

EEPROM ADAPTER

EEPROM chip stores the immobilizer data (like pincode) and odometer data, and sometimes you need to unweld it to read & write the data inside the chip. For X100PAD PLUS you can use an EEPROM adapter to do that, and you can get access to its full function via this special function. In this function you can read the pincode, flash the data, write start, data recovery, mileage adjustment and so on.

OIL LIGHT RESET

Reset the Engine Oil Life System, which calculates the optimum oil life change interval based on the vehicle's driving conditions and climate. The oil life reminder must be reset each time the oil is changed so that the system can calculate when the next oil change is required.

This function allows you to perform reset for the engine oil life system, which calculates an optimal oil life change interval depending on the vehicle driving conditions and climate.

This function can be performed in the following cases:

- If the service lamp is on, you must provide service for the car. After service, you need to reset the driving mileage or driving

time so that the service lamp turns off and the system enables the new service cycle.

- After changing engine oil or electric appliances that monitor oil life, you need to reset the service lamp.

EPB

Electronic Parking Brake (EPB) System reset is a popular special function. You can use this function to reset the electronic parking brake system and brake pads, which also supports the brake pad replacement (retraction, release of the brake pump), G-sensor and body angle calibration. This function has multiple uses and can safely and effectively maintain the electronic brake system. These applications include deactivating and activating brake control systems, assisting in controlling brake fluid, opening and closing brake pads, and setting brakes after replacing brake discs or brake pads, etc.

1. If the brake pad wears the brake pad sense line, the brake pad sense line sends a signal sense line to the on-board tablet to replace the brake pad.

After replacing the brake pad, you must reset the brake pad. Otherwise, the car alarms.

2. Reset must be performed in the following cases:

- The brake pad and brake pad wear sensor are replaced.
- The brake pad indicator lamp is on.

- The brake pad sensor circuit is short, which is recovered.
- The servo motor is replaced.

SAS

Steering Angle Sensors (SAS) System Calibration permanently stores the current steering wheel position as the straight-ahead position in the SAS EEPROM. Therefore, the front wheels and the steering wheel must be set exactly to the straight-ahead position before calibration. In addition, the VIN is also read from the instrument cluster and stored permanently in the SAS EEPROM. On successful completion of calibration, the SAS fault memory is automatically cleared.

To reset the steering angle, first find the relative zero-point position for the car to drive in straight line. Taking this position as reference, the ECU can calculate the accurate angle for left and right steering. After replacing the steering angle position sensor, replacing steering mechanical parts (such as steering gearbox, steering column, end tie rod, steering knuckle), performing four-wheel alignment, or recovering car body, you must reset the steering angle.

DPF

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

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

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

DPF regeneration is used to clear PM (Particulate Matter) from the DPF filter through continuous combustion oxidation mode (such as high temperature heating combustion, fuel additive or catalyst reduce PM ignition combustion) to stabilize the filter performance.

DPF regeneration may be performed in the following cases:

- The exhaust back pressure sensor is replaced.
- The PM trap is removed or replaced.
- The fuel additive nozzle is removed or replaced.
- The catalytic oxidizer is removed or replaced.
- The DPF regeneration MIL is on and maintenance is performed.
- The DPF regeneration control module is replaced.

BMS RESET

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

This function enables you to perform a resetting operation on the monitoring unit of vehicle battery, in which the original low battery fault information will be cleared and battery matching will be done.

Battery matching must be performed in the following cases:

- Main battery is replaced. Battery matching must be performed to clear original low battery information and prevent the related control module from detecting false information. If the related control module detects false information, it will invalidate some electric auxiliary functions, such as automatic start & stop function, sunroof without one-key trigger function, power window without automatic function.
- Battery monitoring sensor. Battery matching is performed to re-match the control module and motoring sensor to detect battery power usage more accurately, which can avoid an error message displaying on the instrument panel.

THROTTLE

Throttle Position Sensor (TPS) Match, this function enables you to make initial settings to throttle actuators and returns the “learned” values stored on ECU to the default state. Doing so can accurately control the actions of regulating throttle (or idle engine) to adjust the amount of air intake.

TPMS RESET

Tire Pressure Monitor System (TPMS) Reset allows you to quickly look up the tire sensor IDs from the vehicle ECU, as well as to perform TPMS replacement and reset procedures after tire sensors are replaced.

This function allows you to quickly look up the tire sensor IDs from the vehicle’s ECU, as well as to perform TPMS replacement and sensor test.

- After the tire pressure MIL turns on and maintenance is performed, the tire pressure resetting function must be performed to reset tire pressure and turn off the tire pressure MIL.
- Tire pressure resetting must be performed after maintenance is performed in the following cases: tire pressure is too low, tire leaks, tire pressure monitoring device is replaced or installed,

tire is replaced, tire pressure sensor is damaged, and tire is replaced for the car with tire pressure monitoring function.

ABS BLEEDING

Anti-lock Braking System (ABS) Bleeding allows you to perform various bi-directional tests to check the operating conditions of ABS.

1. When the ABS contains air, the ABS bleeding function must be performed to bleed the brake system to restore ABS brake sensitivity.

2. If the ABS tablet, ABS pump, brake master cylinder, brake cylinder, brake line, or brake fluid is replaced, the ABS bleeding function must be performed to bleed the ABS.

3. After the oil in the brake oil tank is seriously insufficient or the brake fluid is replaced, ABS Bleeding is also required

① When performing ABS Bleeding, it is necessary to unscrew the exhaust screw of the ABS pump.

① After completing the tire pressure sensor learning, it takes a while for the fault light to go out.

① Tire pressure imbalance will also cause the tire pressure light to light up.

INJECTOR CODING

This function can write the identification code of the fuel injector into the ECU so that the ECU can recognize and work normally. Write injector actual code or rewrite code in the ECU to the injector code

of the corresponding cylinder so as to more accurately control or correct cylinder injection quantity.

After the ECU or injector is replaced, injector code of each cylinder must be confirmed or re-coded so that the cylinder can better identify injectors to accurately control fuel injection.

① After cleaning, generally there is no need to do the coding matching function.

① The identification of the fuel injector includes its working accuracy value and type value.

When replacing it, you need to find the corresponding model for replacement.

① At present, mainstream cars support injector coding function

GEARBOX MATCH

After changing the gearbox or changing the gearbox ECU, you need to use the gearbox matching function to re-match the engine and the gearbox.

***Cautions!**

Before resetting the gearbox, please check the gearbox control unit to ensure that there is no fault code. If there is a fault code, the gearbox memory function cannot be reset. Please road test after reset.

SUSPENSION

This function can adjust the height of the vehicle body. When replacing the body height sensor in the air suspension system, or control module or when the vehicle level is incorrect, you need to

perform this function to adjust the body height sensor for level calibration.

The air suspension system reset function enables the tablet ECU to match the current air suspension system information, thereby ensuring the normal damping effect of the vehicle when driving.

Application scenarios:

- The shock absorber is not the same height due to air leakage, maintenance, replacement, etc.;
- After replacing the air pump assembly;
- After replacing the electronic control module.

WINDOWS INITIALIZATION

This function is to match the windows to restore the initial memory of the ECU and restore the automatic raising and lowering functions of the power window. Usually when the vehicle window fails or after replacing the window glass, we need to use this function to initialize the car window.

SEAT CALIBRATION

This function is suitable for the matching of replacement and maintenance seats with memory function. After the seat fails or is replaced or repaired, it is generally necessary to use this function to match the seat.

① Needed for cars with seats with memory function, general gasoline cars don't need.

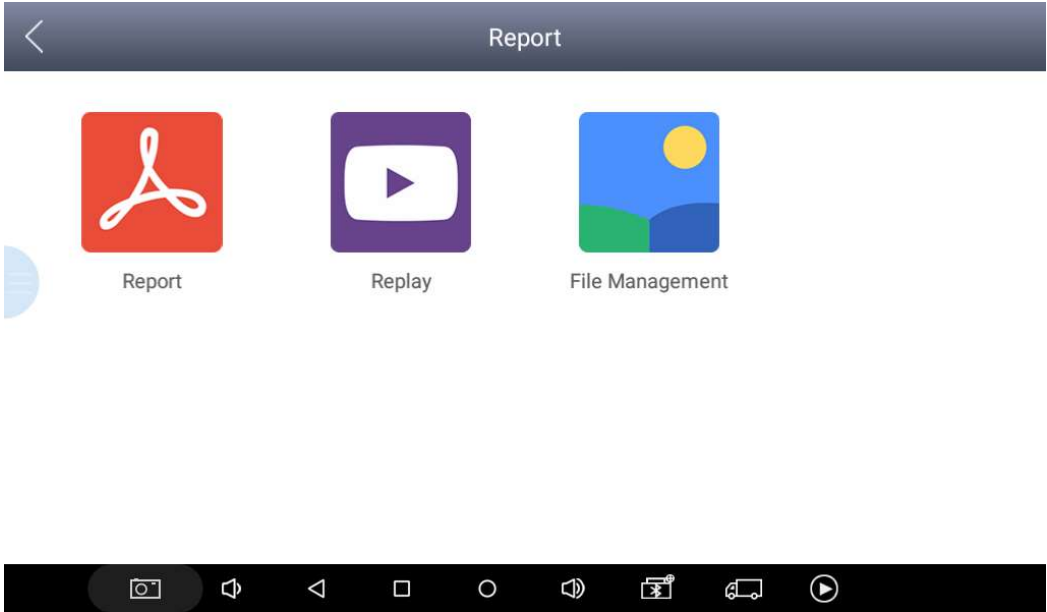
HEADLIGHT

This function is used to initialize the adaptive headlight system. It refers to the adaptive front lighting system (when using bi-xenon headlights at night), it can be rotated to the sides, pressing the button means that they remain direct, and do not turn when you turn. After replacing the headlights, the adaptive headlight system needs to be matched.

7 REPORT

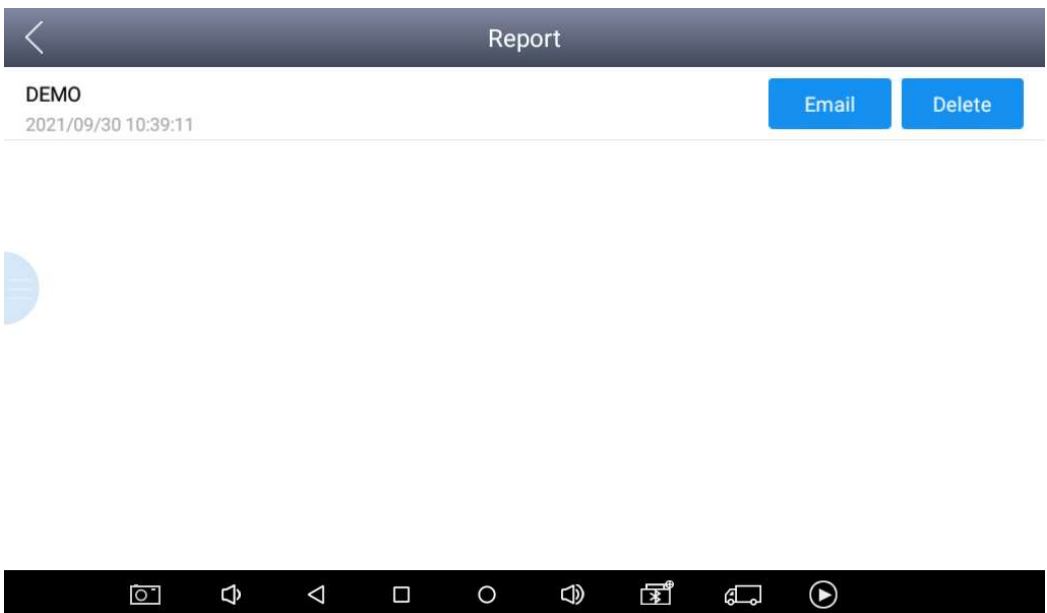
Diagnostic Report is used for viewing and printing the saved files, such as Live Data, Trouble codes or pictures generated in the process of diagnosis, users also can view a record of which cars have been previously tested. It includes 3 parts:

- **Report**
- **Replay**
- **File Management**

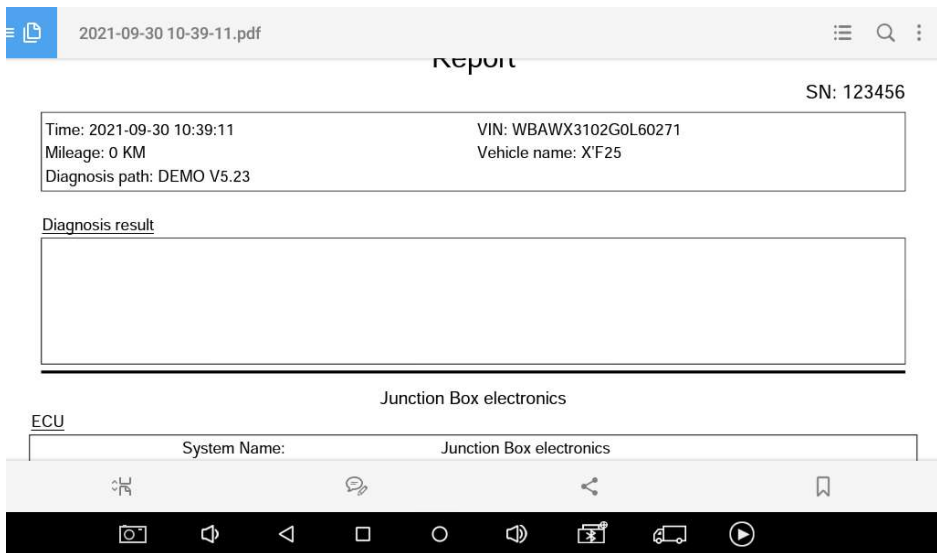


REPORT

This feature provides a history of diagnostic reports, where you can view and delete the vehicle's diagnostic reports according to your needs.

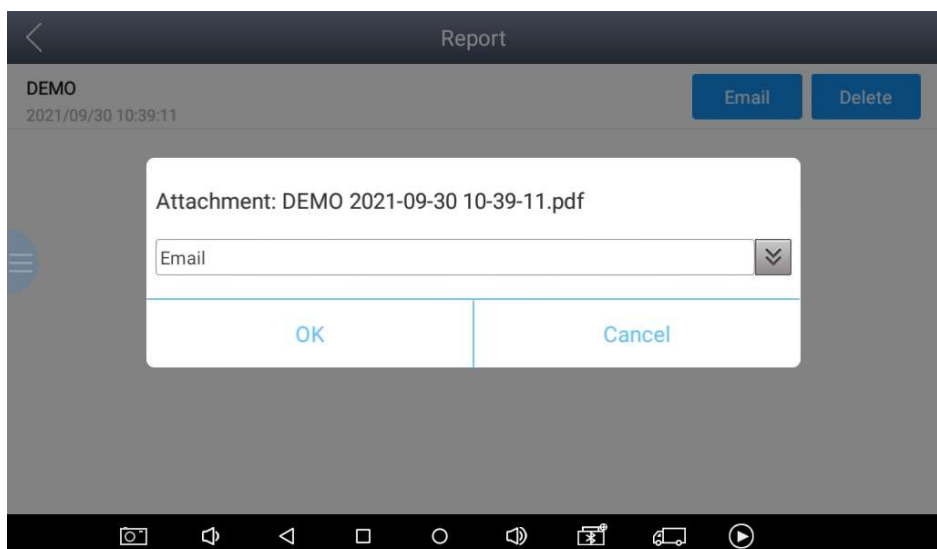


When you open the report, located in the header of the table is the studio information you filled in advance in the system setup, then the information of the vehicle, including the diagnosis date and time, VIN number, vehicle brand, diagnosis path, etc., as shown as below:



■ Send PDF Report via Email

To do this, click “Email” button on the report menu, input your email address on the pop-up screen, click “OK” to send the email.



■ Print PDF Report

Please follow below steps to print your report ▼

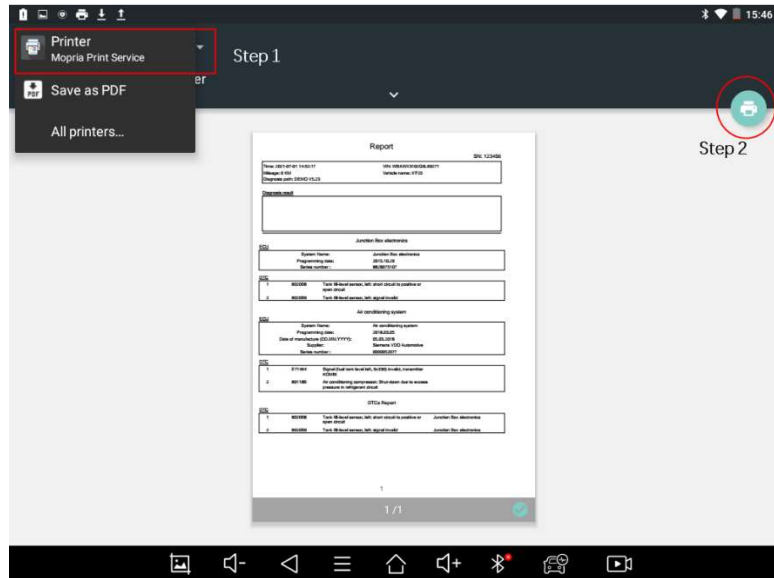
Step 1: Install an APP that can drive your target printer. Add the printer and input the IP address of the printer in the APP, or you can contact your dealer for help.

Step 2: Back to Android main menu, go to Settings -> Printing-> Turn printer on.

Step 3: Report-> Choose report-> Print PDF Report-> Print



Step 4: Click the top-left corner of the screen and choose the printer you added before. Then click the button on the right to print.



REPLAY

This function allows you to replay the living data recorded during the diagnosis process.

Before replaying the living data, please make sure you click on "Save to Reference" button during the diagnosis

FILE MANAGER

This function allows you to check and delete files in the device. Please use this function under the guidance of professionals. Ordinary users are not recommended to use it by themselves, as it may cause software missing or malfunctioning.

8 SETTINGS

Click the Settings button to adjust the default settings and view the information of X100PAD PLUS Auto Key Programmer. There are several options available in the system settings:

- **Language**
- **Units**
- **My Workshop Info**
- **About**

LANGUAGE

The languages supported by this device are listed in **Settings**. In areas outside the English area, the default language is English and the local official language. Users can switch between English and local official languages on the device by themselves. If you need to switch other languages, please contact the dealer to unbind the current language configuration and rebind it to the language configuration you need to switch. After the configuration is successfully changed, you can switch the target language.



① This will only change the language of the APP. If you want to change system language, please go to Android Settings.

■ **How to change the language of your software?**

Step1: Contact your dealer and leave a message about the language you need and the S/N of your device

Step2: **Settings->Language->Choose language**

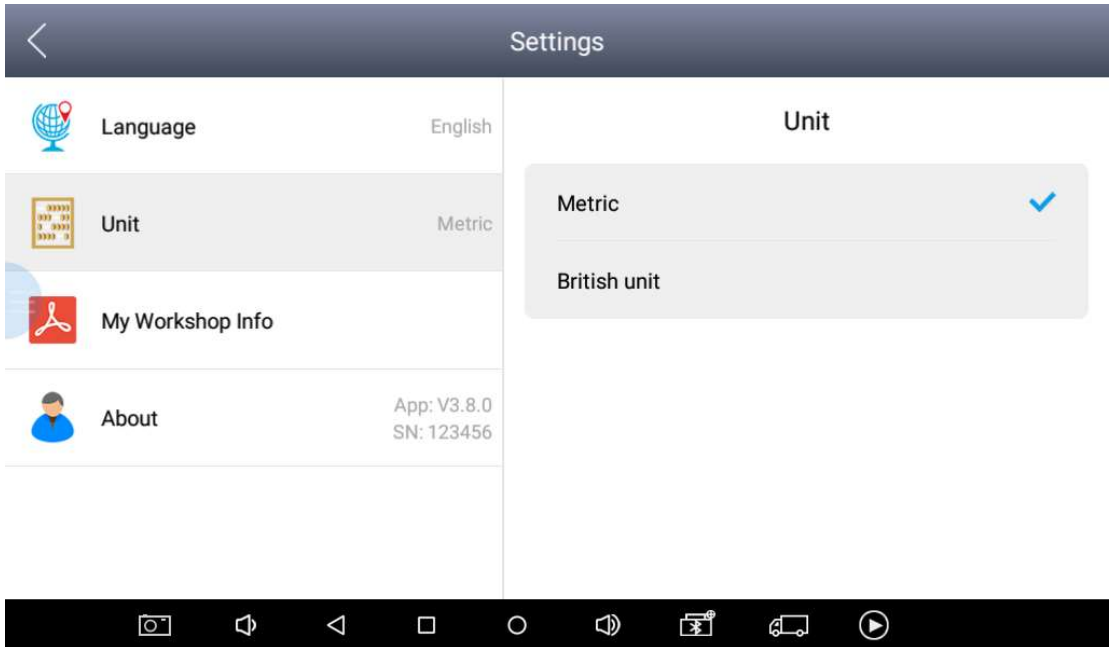
Step3: **OS Settings->Language & input->Choose Language**

Step4: Back to **Upgrade**

UNITS

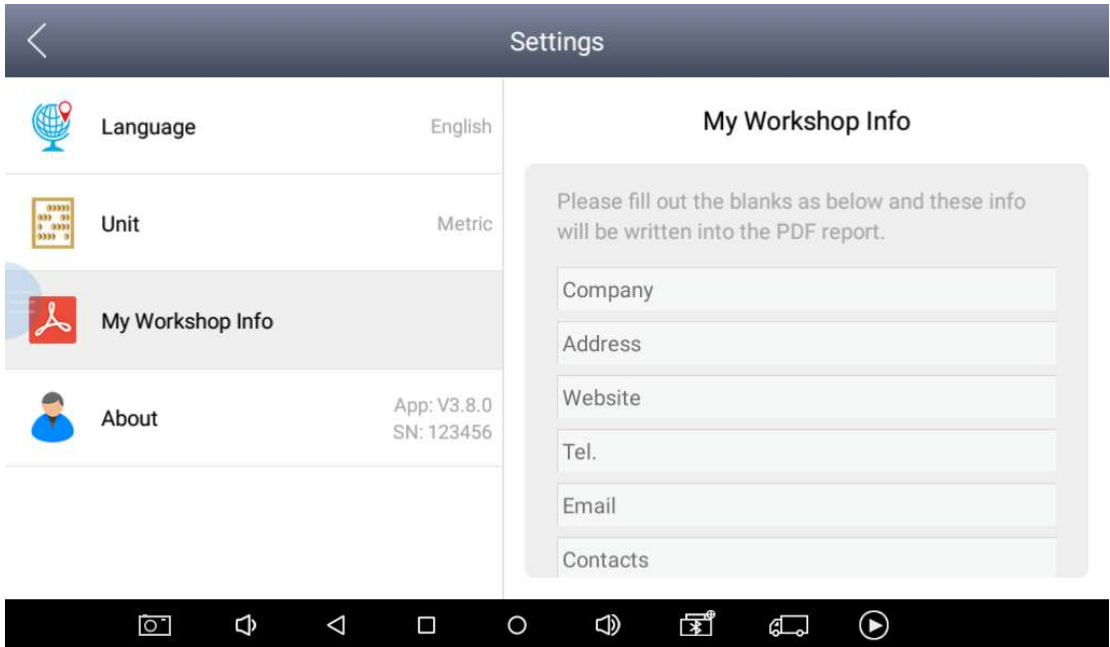
You can switch the unit used by the system. X100PAD PLUS provides you with metric and british units.

You can directly click on the unit when you need, after the switch is successful, a blue check mark will be shown behind the unit's name.



MY WORKSHOP INFO

Click on **My Workshop Information**, you can input your workshop information here. As shown in the figure below, you just need to fill in the valid information in the corresponding column and click "**SUBMIT**". And then it will show your workshop information in the report when you generate a diagnostic report, including your company name, address, website, telephone, and mailbox.



ABOUT

You can check the serial number and APP version here.

① If the serial number on the app is not the same as the serial number at the back of the device, please contact your dealer for help.

9 REMOTE ASSISTANCE

Tap on "**Remote**" to start the TeamViewer quick support program, which is a simple, fast, and secure remote-control screen. You can use this application to enable them to control your tablet on a PC through the TeamViewer software, thereby obtaining temporary remote support from Xtool technical support center.

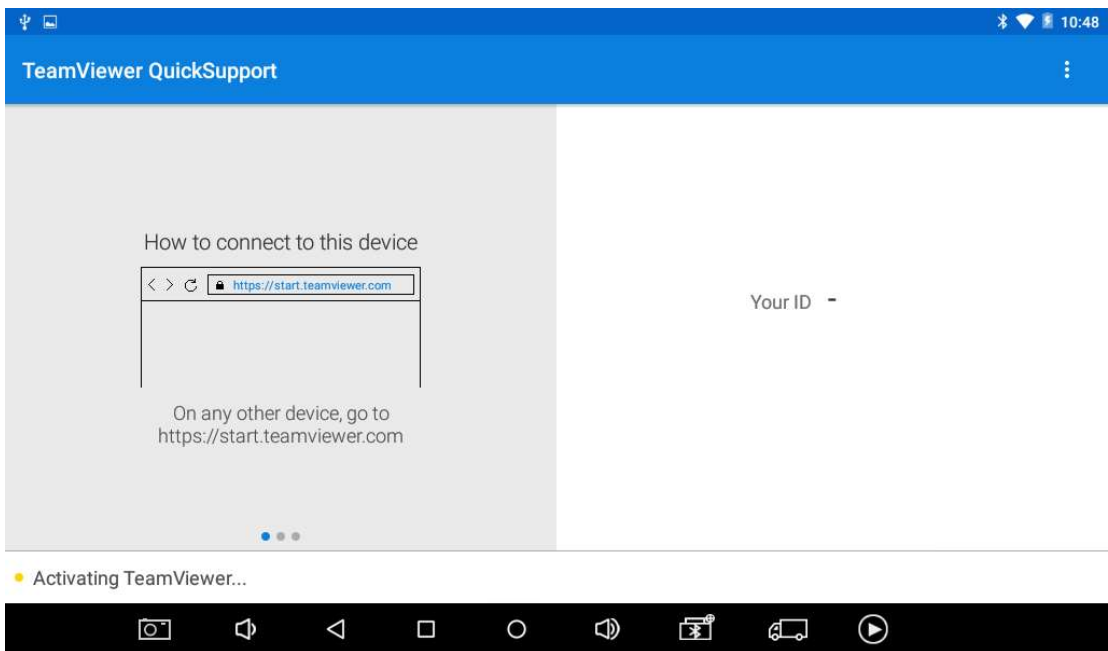
Tablets and mobile devices running TeamViewer are identified by a globally unique ID. When the remote application is started for the first time, the ID will be automatically generated according to the hardware characteristics and will not be changed in the future. This TeamViewer ID can individually access all TeamViewer clients.

Before launching the remote desktop application, make sure that the tablet is connected to the Internet so that you can access the tablet to receive remote support from a third party. If you encounter problems and are not able to solve them, you could open this application and ask for remote assistance.

To obtain remote support from your partners or Xtool After-service Center:

1. Turn on the power of the tablet.
2. Click **Remote** in the diagnosis application. The TeamViewer screen is displayed, and the device ID will be generated.

3. Your partner must install the remote-control software on his/her tablet by downloading the full version of TeamViewer program (<http://www.teamviewer.com>) online, and then start the software on his/her tablet at the same time, in order to provide support and remote control of the tablet.
4. Provide your ID to the partner or Xtool technician, and then wait for him/her to send you a remote-control request.
5. A pop-up window will be shown for asking you to confirm to allow the remote-control program to control your device.
6. Click **Allow** to accept, or click **Reject** to reject.



SHENZHEN XTOOLTECH INTELLIGENT CO., LTD

Company address: 17&18/F, Building A2, Creativity City, Liuxian Avenue, Nanshan District, Shenzhen, China

Factory address: 2/F, Building 12, Tangtou Third Industrial Zone, Shiyan Street, Baoan District, Shenzhen, China

Service Hotline: 0086-755-21670995/86267858

Email: marketing@Xtooltech.com

Fax: 0755-83461644

Website: www.Xtooltech.com