Quick Guide

PS701 Pro

Intelligent Diagnosis System

Please read the instruction carefully book before usage

Trademarks

XTOOL is a registered trademark of Shenzhen Xtooltech Intelligent CO., LTD.

In countries where the trademarks, service marks, domain names, logos, and the name of the company are not registered, Xtool claims that it still reserves the ownership of the unregistered trademarks, service marks, and domain names, logos, and the company name. All other marks for the other products and the company's name mentioned in the manual still belong to the original registered company.

You may not use the trademarks, service marks, domain names, logo, and company name of Xtool or other companies mentioned without written permission from the trademark holder.

Xtool reserves the right to the final interpretation of this manual content.

Copyright

This manual is designed for PS701 Pro Intelligent Diagnosis System and only applies to it. Any company or person can't copy and backup this introduction book in any form (Electronic, mechanical, photocopy, record, or other forms) without the written permission of Xtool. This introduction book is via the product's existing configuration and function to compile, if the product adds a new configuration and function, this introduction book will be changed accordingly, without prior notice. The right of final interpretation of this introduction book belongs to Xtool.

Disclaimer

This electronic control system diagnostic unit is provided for vehicle repairing professionals, this product has higher reliability, but does not exclude the loss and damage caused by customers' technical matters, vehicle problems, or other reasons, Xtool assumes no liability or responsibility for those.

To know more about related products information, you can visit Shenzhen Xtooltech Intelligent Co., Ltd's official website：http://www.xtooltech.com

Safety instruction

Keep ventilation： When the engine is running, please keep the repair zone good ventilation or connect the exhaust system of the engine and building carefully.

Caution

- Always keep safe conditions to diagnosing vehicle

- Wear the goggles in accord with ANSI standard

- Keep clothes, hair hand, tool, tester, etc. away from running or calorific engine

- Before starting the engine, you should confirm parking braking is working, put a barrier on the front wheels, and put the gear shift lever in neutral gear or park to avoid hurting people on the spot when start engine, the vehicle speeds up suddenly

- Be extremely careful when working around the ignition coil, distributor cap, ignition circuit, and ignition plug. The voltage generated by these components when the engine is running is very dangerous

- Equipped with special fire extinguishers for

gasoline, chemical, electrical fires in the working area

- When the ignition switch is turned on or the engine is running, don't connect or disconnect the diagnostic equipment

- Keep the diagnostic device dry and clean, away from gasoline, water, and grease. If necessary, use a clean cloth coated with a mild detergent to clean the surface of the device

- Don't operate the diagnostic equipment while driving the vehicle to avoid distractions and cause accidents

- Please refer to the repair manual when servicing the vehicle and strictly follow the diagnostic procedures and precautions. Otherwise, it may cause personal injury or damage to the diagnostic device

- To avoid damaging the diagnostic device or generating incorrect data, please ensure that the vehicle battery is sufficiently charged and the connection of the vehicle diagnostic socket is clean and safe

- Don't put the diagnostic device on the vehicle distributor. Strong electromagnetic interference will cause damage to the device

Aftersales-services

✉	support1@xtooltech.com support2@xtooltech.com
☎	+86 755 21670995 / +86 755 86267858 **Monday through Friday** **09:00~18:30 [UTC/GMT+08:00]**
🌐	www.xtooltech.com

Content

1. Product Brief

PS701 Pro intelligent diagnosis system is a professional vehicle diagnosis device for Japanese automobiles. It supports the detection and bi-directional control test for vehicle drive, chassis, and body systems. It has basic diagnostic functions such as reading fault code, clearing fault code, reading live data, freezing frame, etc. At the same time, the user could experience the complete OBD II function and full system diagnosis. It can help maintenance staff locate faults for vehicles and improve work efficiency.

2. Product Specification

2.1. Appearance

PS701 Pro series Intelligent Diagnosis System.


Front view   Back view

The design with blue and black color is simple and terse; the body adopts a streamlined design and a large curvature frame for better grip; the back of the product adopts a protruding design that is more non-slip and safer. PS701 Pro products are equipped with VCI as standard, and the host and VCI are connected via Bluetooth, which is convenient for connection.

Front view of VCI Box

2.2. Ports and Button
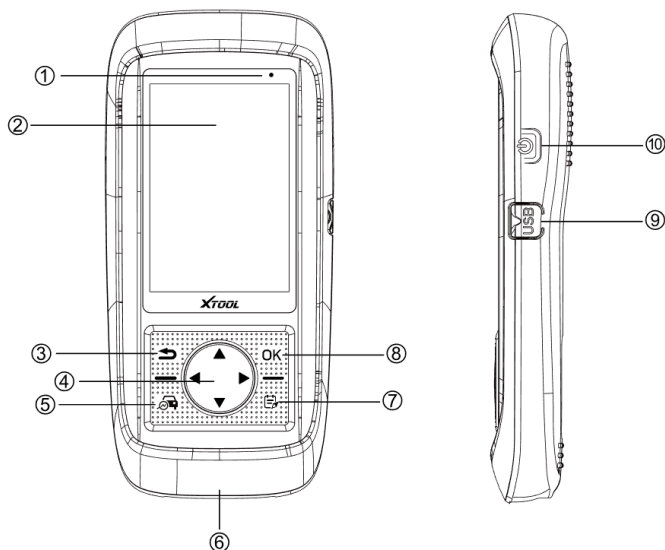
No.	Items	Description
1	Charge Lamp	Display status of charge

| 2	LCD	Display function menu of product
3	Back	Cancel selection (Or operation) or return to the previous menu
4	Direction key	Via direction key to move choosing appoint menu
5	Vehicle diagnosis	Open/switch vehicle diagnosis function
6	DB15 connector	**Only for charging**
7	Speedy guide	Open/switch introduction book
8	OK	Confirm selection
9	USB interface	Connect the device to the PC for transferring files or battery charging, a Type-C port.
10	Power switch	The long press can power on/Power off, the short press can turn on/turn off the screen

2.3. Parameter

Items	Description
System	Android
CPU	ARM Cortex A7 Quad-Core, Basic frequency 1.2GHz
GPU	Mali-400 MP2 GPU
RAM	1GB
ROM	16GB
Display screen	4-inch 320x480 Color touch display screen
Working voltage	9~18V
Battery	3000mAh built-in lithium battery
Working temperature	-20℃-60℃
Storage temperature	-30℃-70℃

Note: The working temperature and storage temperature are verified in a laboratory environment, which is for reference only.

2.4. Packing list

Category	No.	Name	QTY
Test Connectors & Cables	1	OBD II-16	1
	2	HONDA-3	1
	3	NISSAN-14	1
	4	Main Cable	1
	5	USB Type-C Cable	1
Adaptor	1	Charger DC5V AC (100-300V) 2A	1
	2	US plug adapter	1
	3	EU plug adapter	1
	4	UK plug adapter	1
Main Units	1	PS701Pro	1
	2	VCI box	1
Accessories	1	Certificate of Quality	1
	2	Packing List	1
	3	Carton	1

2.5. Connection

PS701 Pro Host

VCI

Main test line
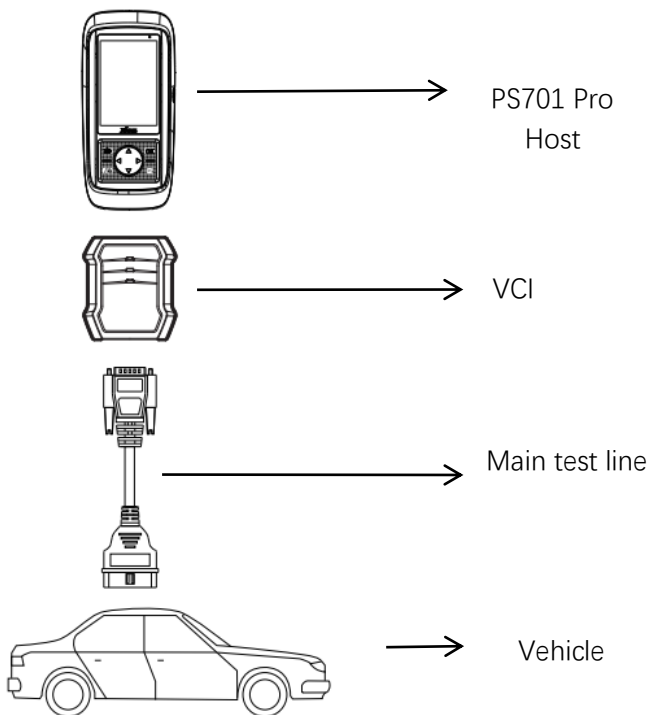
Vehicle

Please connect your vehicle to PS701 Pro below steps:

1. First open the PS701 Pro host;

2. Connect the host and VCI via Bluetooth;

3. Connect the VCI to the car with the main test line;

4. Start the diagnosis.

*Note

The DB15 port on the bottom is only reserved for charging. Please do not connect directly the PS701Pro to the vehicle by the main test line, which could lead to a communication failure.

3. Start Diagnosis

3.1. Activation

The First use of PS701 Pro needs an activation.

Please follow the below steps to activate your device:

Step 1: Long press the power button to boot up and connect Wi-Fi,

Step 2: Input your email address to activate.

*Note

1. Each device only needs to be activated once;

2. Software will be released in a new version for fixing bugs, please upgrade it in time for a better user experience.

3.2. Main Interface

After booting, the main interface is shown below.
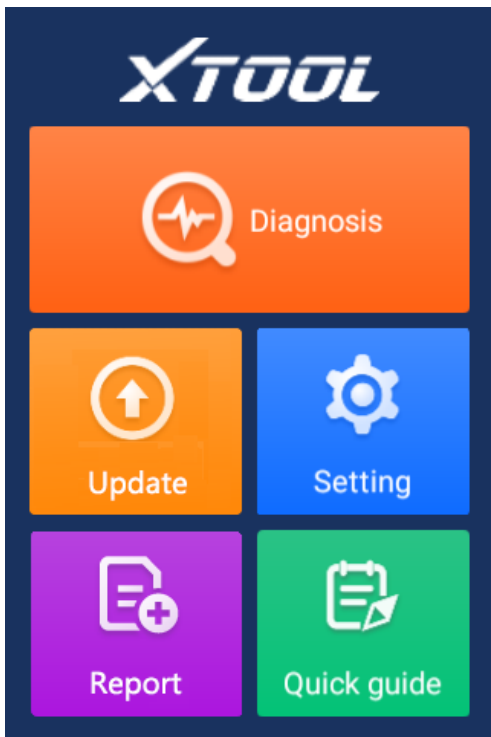
| Item	Description
	Click to start the diagnosis function
	Software that can be updated to the latest version will be displayed here
	You could change the Language, Units, Date & Time, and so on.
	View all historical reports here
	Quick guide for PS701 Pro

3.3. Diagnosis

This function is the core module of PS701 Pro, which supports full system diagnosis for Japanese vehicles. Customers can use these functions to solve practical problems quickly and precisely.
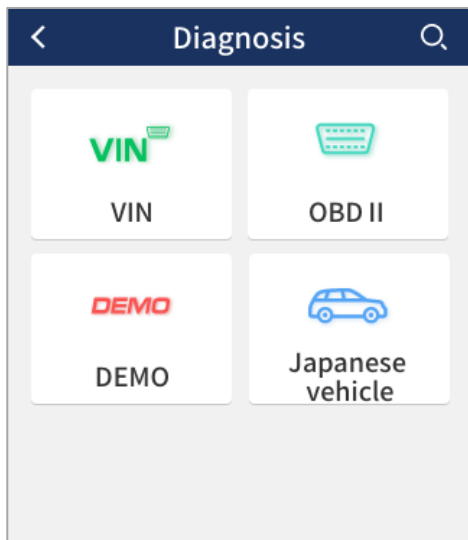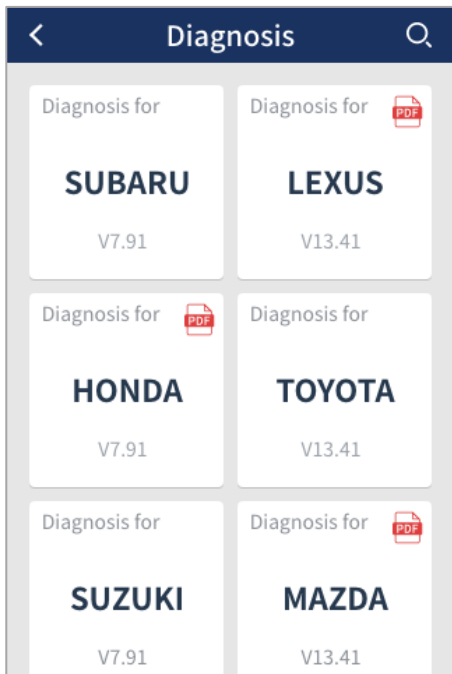
VIN Identification

According to the practical requirement, the user can choose automatic identification or manual input of the car VIN code
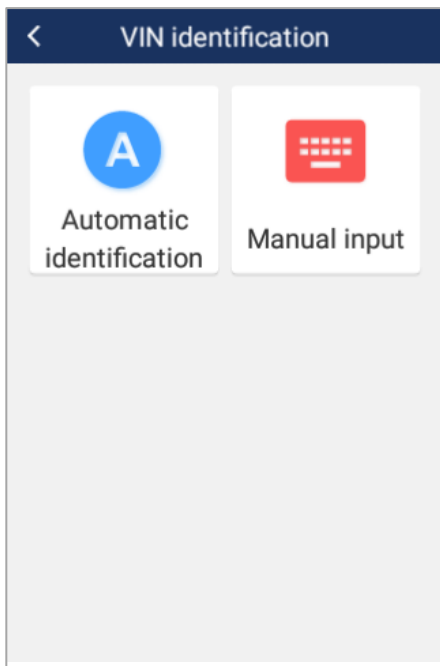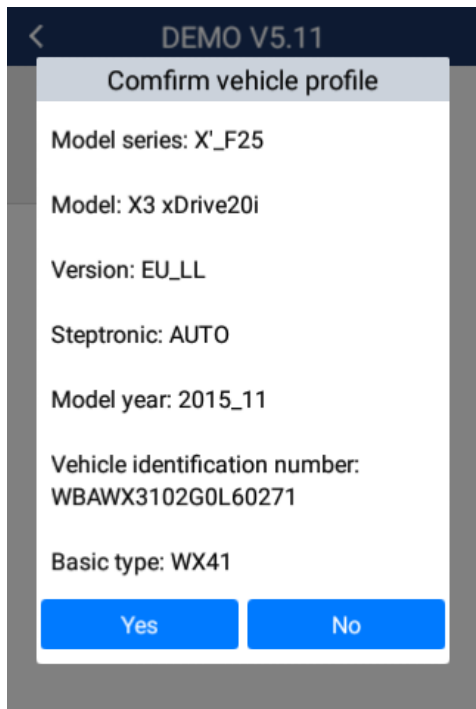
Vehicle Selection

PS701 Pro supports diagnostic functions for 9 Japanese cars, like Honda, Isuzu, Lexus, Mazda, Mitsubishi, Nissan, Subaru, and Suzuki Toyota.

Demo

This function is used for demonstration. Users can view all of the functions in PS701 Pro without changing any settings.
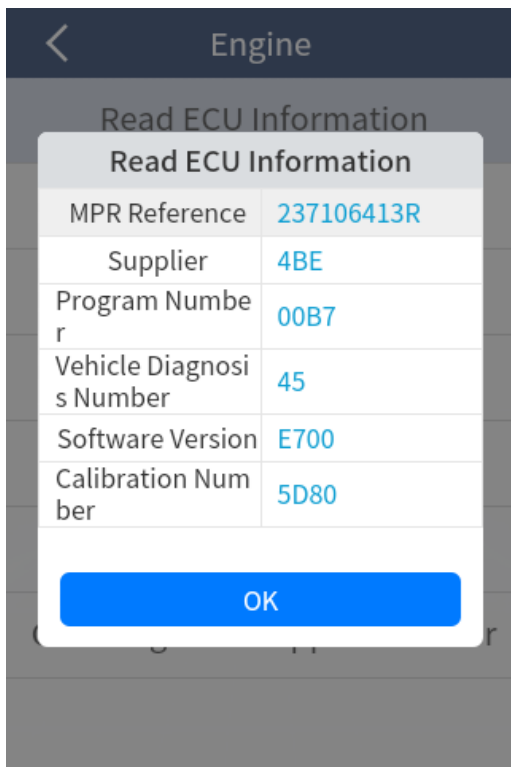
Basic Function

PS701 Pro will enter the diagnosis function after confirming the vehicle model. The normal function includes reading ECU version information, Reading ECU code, reading fault code, reading freeze-frame, quick clear codes, reading live data, and Resetting the control unit. There will be some differences among different vehicle models.

‹	Engine

Read ECU Information

Read Trouble Code

Clear Trouble Code

Live Data

Actuation Test

Special Functions

CAN Diagnosis Support Monitor

Read ECU Info

This function allows users to 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, hardware version numbers, part numbers, etc.

<	Engine

Read ECU Information

Read ECU Information

MPR Reference	237106413R
Supplier	4BE
Program Number	00B7
Vehicle Diagnosis Number	45
Software Version	E700
Calibration Number	5D80

OK

Read Fault Code

This function allows the user to read the fault code stored in the electronic control ECU. When the fault code is read, the screen will display it and its definition.

‹ TROUBLE CODE REPORT	
8020B8	Tank fill-level sensor, left: short circuit to positive or open circuit
8020B9	Tank fill-level sensor, left: signal invalid
E71464	Signal (fuel tank level left, 0x330) invalid, transmitter KOMBI
80118B	Air conditioning compressor: Shut-down due to excess pressure in refrigerant circuit
E12C01	Left fuel level sensor: Short circuit to B+

Quick Clear Codes

This function allows the user to clear current and historical trouble codes memory in ECU.
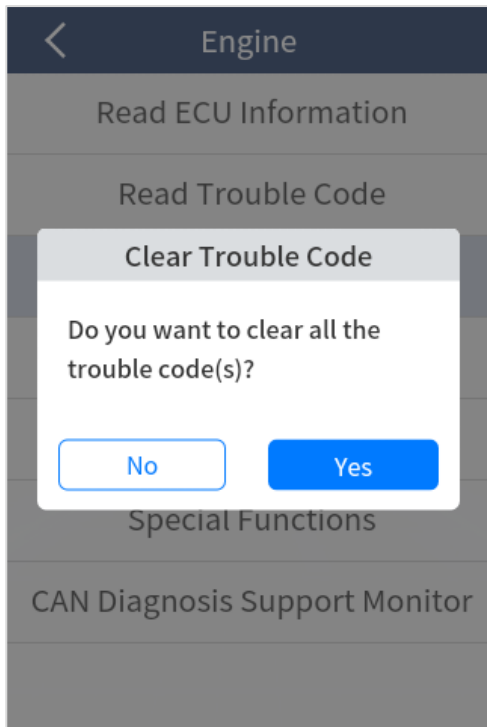
The trouble codes cannot be erased without eliminating the related fault. If a problem is not solved, the related code will remain, and be stored in ECU, which leads to it can be read by diagnostic.

Read Freeze Frame

This function allows the user to read the trouble codes that are stored in the ECU at the moment when a vehicle has faults.

Notice:

1. Save or print the currently stored fault codes before clearing them in the case of an intermittent fault, or for further main maintenance. If a problem is solved, the related code will disappear.

2. Recommend reading the ECU code again to reconfirm that previous fault codes have been cleaned

Read Live Data

This function allows the user to read the parameters of the system on the operating conditions, such as oil pressure, temperature, engine speed, fuel oil temperature, coolant temperature, intake air temperature, etc. By analyzing these parameters, the users can find out which part works abnormally and narrow the maintenance scope.

Live Data is an important function that can be used to help experienced users to further diagnose a problem. This function requires users to be familiarized with the sensor data of each system, control signals, and control modes.

XTOOL

<	All data streams

☑ Unit Of Vehicle Speed

☑ Motor

☑ 1st Inlet Valve Open PR

☑ 1st Inlet Valve Close PR

☑ Exhaust Fuel Injection Solenoid Valve Command

☑ Preheat Relay Control
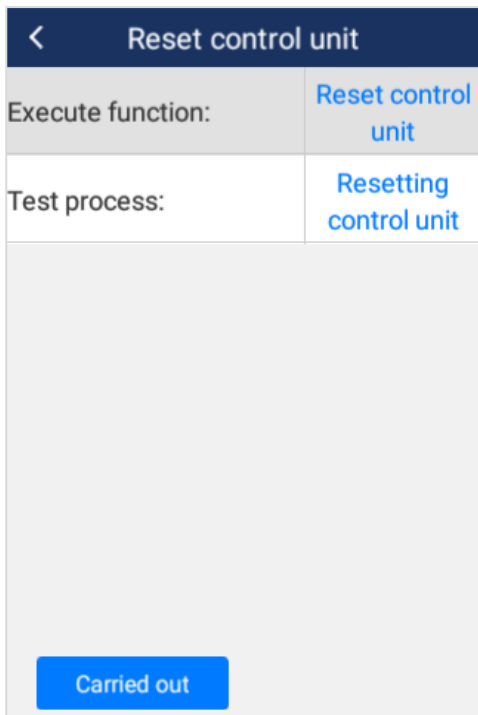
| Select None | Select All | OK |

Function Select

Diagnosis request	
Name	Value
Engine speed	45.75 1/min
Coolant temperature	90.75 degree C
Engine oil temperature	597.00 degree C
Emissions warning light: Status	off
Emissions warning light: Distance travelled since activation	N/A km
Status, engine warning light	255
Pause	

Read live data

Actuation test (Bi-directional Control)

This function allows the user to figure out whether a

specific subsystem or component in the car works well or not, and to make the tester outputs function.

‹ Reset control unit	
Execute function:	Reset control unit
Test process:	Resetting control unit

Carried out

(This picture is only for reference)

Special function

Special functions provide maintenance services for different systems of the vehicle, and support users to perform a various reset, re-learning, or matching functions when replacing the component or encountering failures.
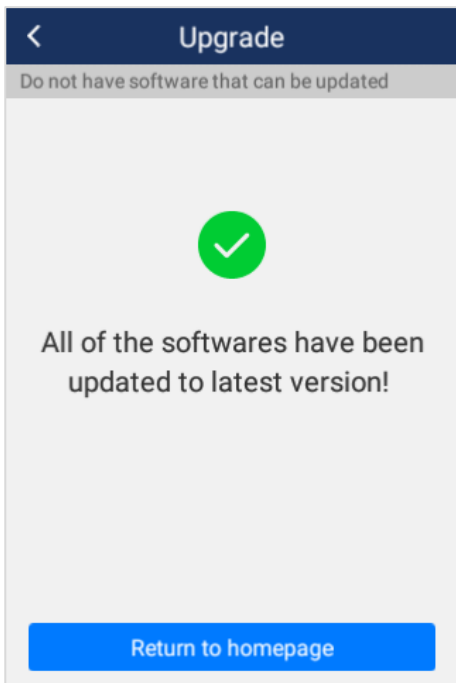
XTOOL
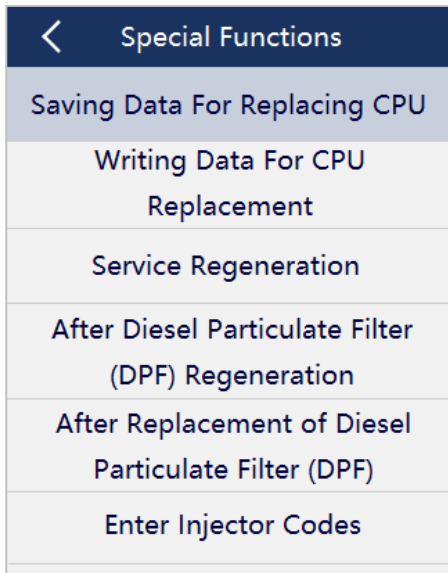
Sample of Special functions

Enter Injector Codes	
Current State	Waiting for Your Operation...
Cylinder 1 Injector	##
Cylinder 2 Injector	##
Cylinder 3 Injector	##
Cylinder 4 Injector	##

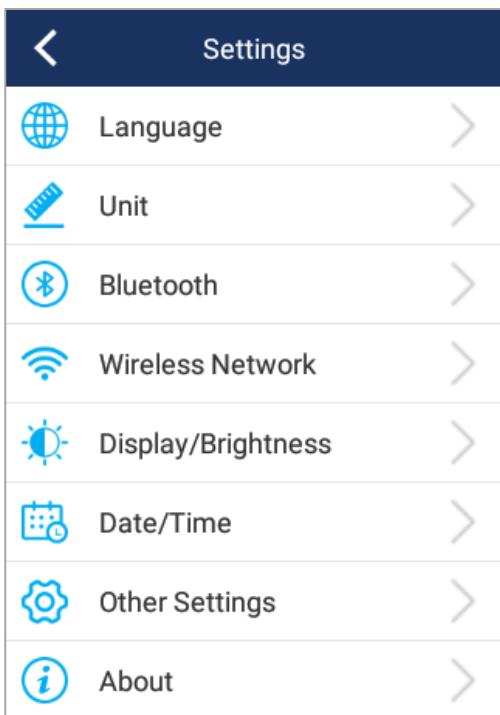*Sample of Special functions-Enter Injector Codes*

3.4. Upgrade

The PS701 Pro supports a one-click upgrade to renew software quickly to experience the latest function;

Notice: when new software is released, an update notice will be shown on the screen, customers can choose to upgrade or not.

3.5. Settings

Select the "Settings" menu to open the setting interface. You can set the language, unit, and system-related options on this interface. The following 8 options as shown below:
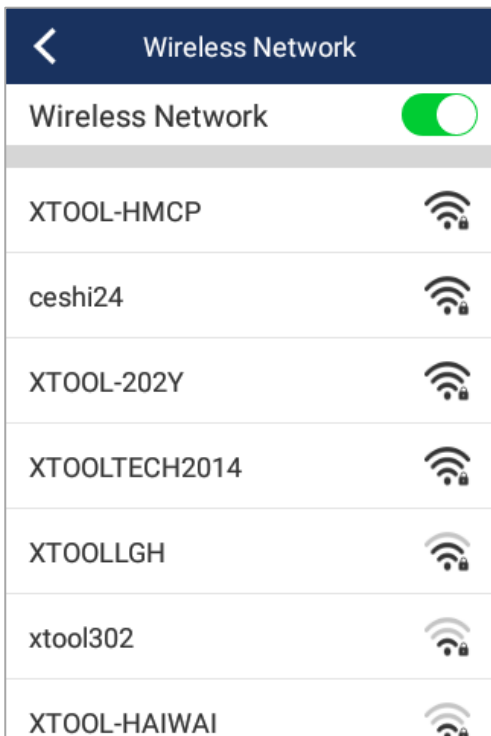
XTOOL

	Settings	
🌐	Language	›
📏	Unit	›
⓫	Bluetooth	›
📶	Wireless Network	›
☀️	Display/Brightness	›
📅	Date/Time	›
⚙️	Other Settings	›
ⓘ	About	›

Language: Please select the language according to the device configuration, otherwise the diagnosis interface menu will not be displayed.

‹	Language	
简体中文		
繁體中文		
English		✓
日本語		
한국어		
Español		
Polski		
Português		

Unit: Select the unit of measurement, users can select metric, imperial, and U.S. systems.

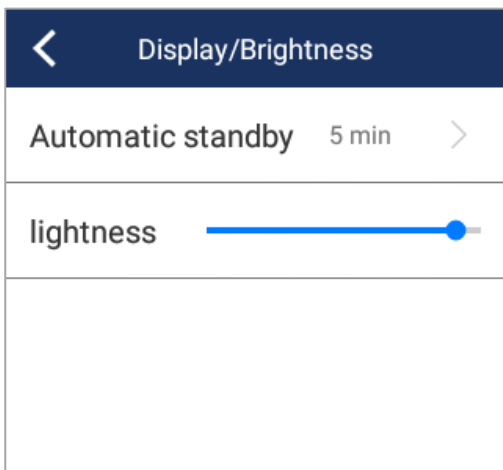| <	Unit	
Metric Units		✓
Imperial Units		
U.S.Units		

Wi-Fi: Choose a suitable wireless network connection to perform data transmission and Internet access

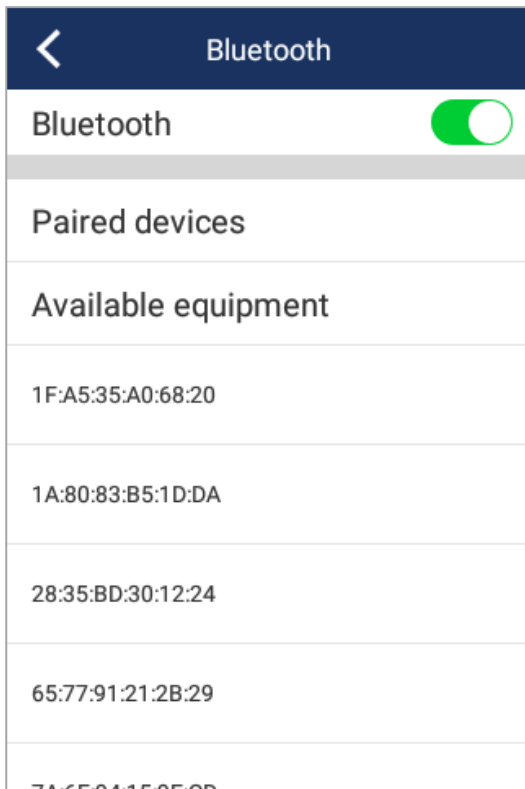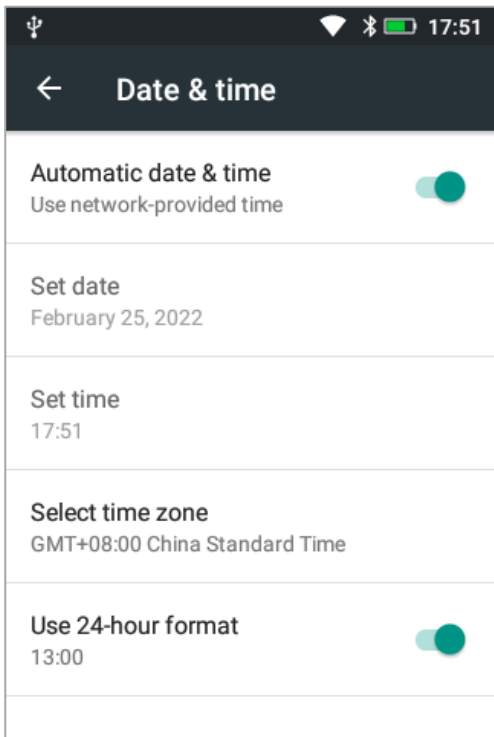| <	Wireless Network
Wireless Network	🟢
XTOOL-HMCP	📶
ceshi24	📶
XTOOL-202Y	📶
XTOOLTECH2014	📶
XTOOLLGH	📶
xtool302	📶
XTOOL-HAIWAI	📶

Open/Connect Wi-Fi

Display/Lightness: Users can adjust the brightness of the display and the time interval of the host's automatic standby according to their conditions to achieve a better experience.

‹	Display/Brightness	
Automatic standby	5 min	›
lightness	━━━━━━━━━●	

Bluetooth: You can select the Bluetooth to pair.

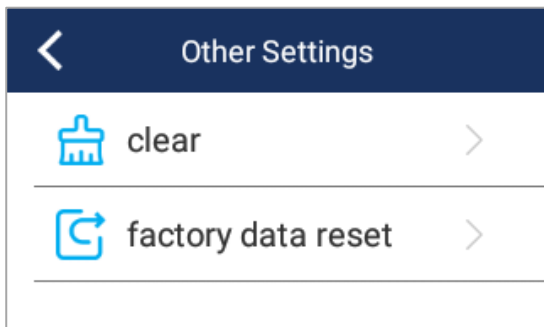| ‹	Bluetooth
Bluetooth	🟢
Paired devices	
Available equipment	
1F:A5:35:A0:68:20	
1A:80:83:B5:1D:DA	
28:35:BD:30:12:24	
65:77:91:21:2B:29	

Date/Time: The user can set the date and time of the system here

Set date

Other settings: Users can clean up the system cache and restore factory settings

| ‹	**Other Settings**	
🧹	clear	›
↪	factory data reset	›

*Note

Before clearing the cache and restoring the factory settings, please confirm whether the required information has been saved or backed up, if the losses are caused by this, Xtool assumes no liability or responsibility for that.

About: Users can the information about the device.

About	
Device Name	Common
serial number	unknown
RAM	1GB
Available space	2.56GB
Hidden partition	20.38 KB
Resolution	320X480
OS version	1.0.8
Set version	1.0.0

Tooltip： Pull down the top of the screen to call out the notification bar, you can view the current system time, power, Bluetooth, and wireless connection information, and quickly adjust the lightness of the display
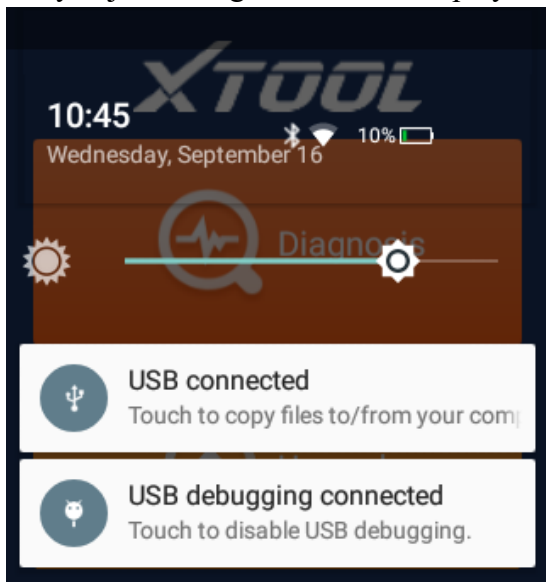
3.6. Report
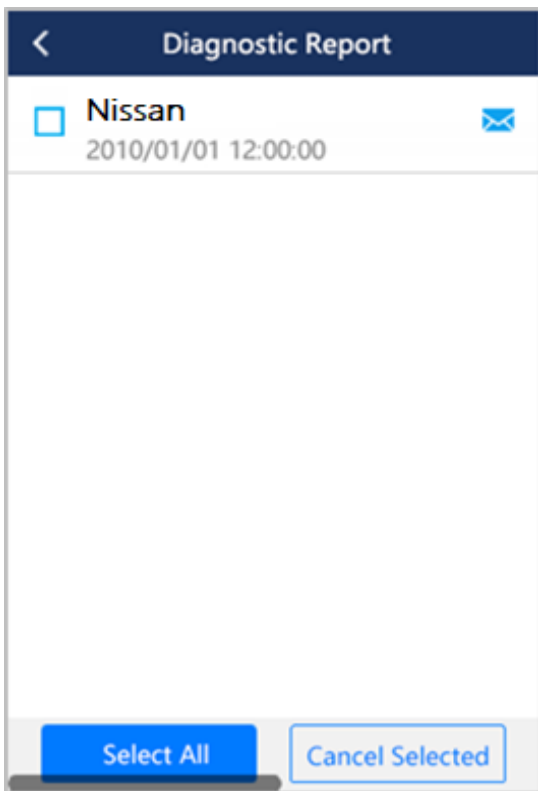
The report function allows users to check and delete all historical diagnostic reports here.

Click on, reports also can be sent and shared by email, just need to enter the receiver's email address.

3.7. Quick Guide

PS701 Pro provides an online user manual, which could be used to learn the product function at any time.

Users can open Quick Guide by clicking the menu icon on the screen, or pressing the button on the bottom right.

Notice: A catalog has already been added to the Quick Guide. By clicking the title, the user can reach the corresponding contents directly and easily

4. FAQs

Q1. "Wi-Fi connection timed out"

A1: This device does not currently support Wi-Fi 6 and security protocol WPA3, please check the type of your Wi-Fi and the security protocol, please change the security protocol to WPA2, and enable maximum compatibility.

If you still cannot connect to Wi-Fi, it is recommended to try a mobile phone hotspot or other Wi-Fi.

Q2. Bluetooth connection failed

A2: Step 1: First, please check whether the status of the indicator light of the lower computer is normal: the red light above the Bluetooth box means the power is normal, the blue light in the middle means the Bluetooth connection is successful, and the green light

on the lower computer indicates that the device successfully communicates with the car. If the light indicator fails to light up normally, it means that the hardware of the box is faulty

Step 2: If the Bluetooth box lights up normally, but the Bluetooth connection with your device fails, please make sure that you are within the effective communication range of Bluetooth, and no obstacles are blocking the communication signal (effective Bluetooth communication distance: 10m)

Step 3: If you still cannot make the Bluetooth communication between the device and the VCI box successful, please contact XTOOL after-sales technical support email: support1@xtooltech.com or support2@xtooltech.com

Q3. "Activation failed" or "Registration failed"

Q3: Please make sure that your network is stable and the network traffic from China is not blocked, and try to activate the device at another period, or use a mobile phone hotspot or other Wi-Fi to activate the device.

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: supporting@xtooltech.com

Fax: 0755-83461644

Website: www.xtooltech.com