A30 Pro

Intelligent Diagnosis System

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Disclaimer

This electronic control system diagnostic unit is provided for vehicle repairing professionals, this product has higher reliability, but not exclude the loss and damage caused by customers technical matter, vehicle problem or other reason, Xtool assume no liability or responsibility for those.

To know more details, please visit official website: http://www.xtooltech.com

Safety instruction

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

Caution

- Always keep safe condition to diagnose vehicle
- Wear the goggles accord with ANSI standard
- Keep clothes, hair hand, tool, tester etc. away from running or calorific engine
- Before start engine, you should confirm parking braking is working, put barrier in front wheels, and put gear shift lever in neutral gear or park to avoid hurting people on the spot when start engine, 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

E-Mail: supporting@xtooltech.com

Tel: +86 755 21670995 or +86 755 86267858

Official Website: www.xtooltech.com

**Please kindly provide your product S/N, VIN code and software version when seeking technical support, which will help us locate your problem.*

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1. Product Brief

A30 Pro intelligent diagnosis system is a professional vehicle diagnosis device for Japanese automobile. It supports the detection and bi-directional control test for vehicle drive, chassis and body system. It has basic diagnostic functions such as reading fault code, clearing fault code, reading live data, freezing frame, and etc. At the same time, user could experience the complete OBD II function and full system diagnosis. It can help maintenance staff locate faults for vehicle and improve work efficiency.

2. Product Specification

2.1. Appearance

A30 Pro series Intelligent Diagnosis System.

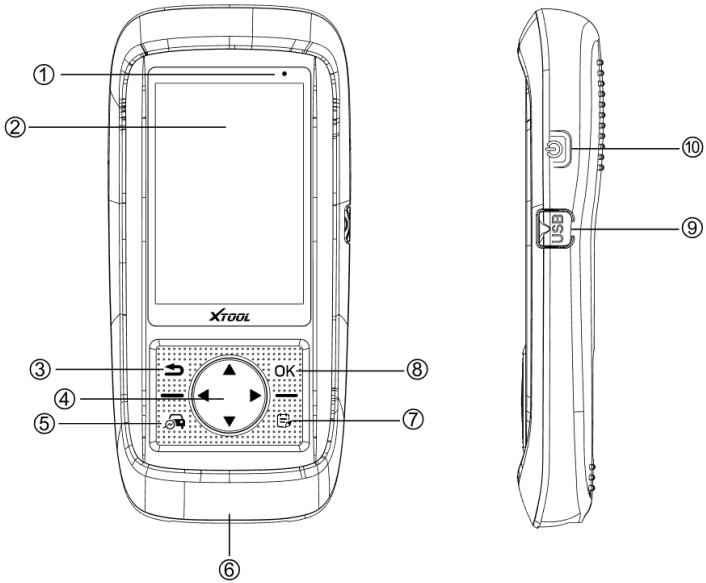
Front view

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. A30 Pro products are equipped with VCI as standard, and the host and VCI are connected via Bluetooth, which is convenient for connection.

VCI Front view

2.2. Ports and Button



No.	Items	Description
1	Charge Lamp	Display status of charge

2	LCD display	Display function menu of product
3	Back	Cancel selection (Or operation) or return to 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 device to PC to update software or battery charging, a Type-c
10	Power switch	Long press can power on/Power off, short press can turn on/turn off screen

2.3. Parameter

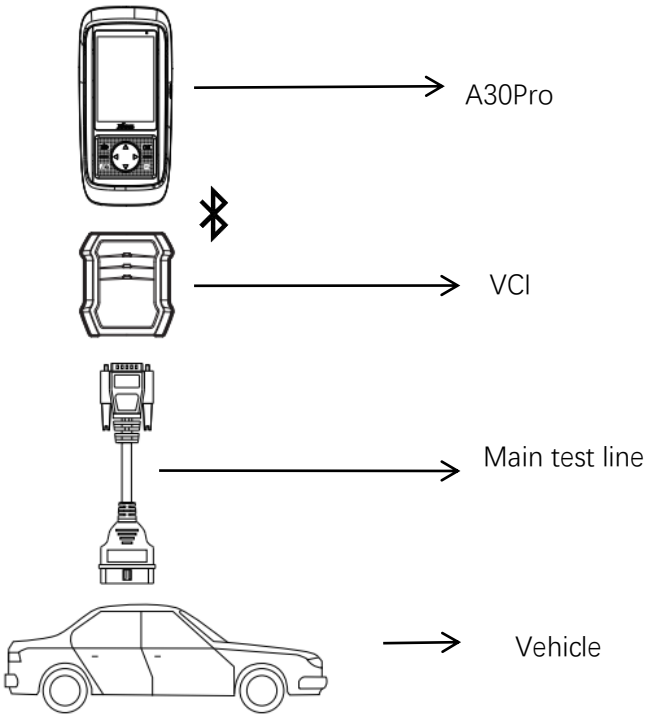
Items	Description
System	Android
CPU	ARM Cortex A7 Quad-Core，Basic frequency 1.2GHz
GPU	Mali-400 MP2 GPU
RAM	1GB
ROM	16GB
Display screen	4-inch 320x480 Color touch display screen
Working voltage	9~18V
Battery	3000mAh built-in lithium battery
Working temperature	-20℃-60℃
Storage temperature	-30℃-70℃

Note: The working temperature and storage temperature are verified in a laboratory environment, which are 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	F401	1
	2	VCI box	1
Accessories	1	Certificate of Quality	1
	2	Packing List	1
	3	Carton	1

2.5. Connection



Please connect your vehicle to A30 Pro follows below steps:

1. First open the A30 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 bottom only reserved for charging. Please do not connect directly the A30Pro to vehicle by main test line, which could lead to a communication failure

3. Start Diagnosis

3.1. Activation

Please follow below steps to activate your device:

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

Step 2: Input valid phone number in activation page to verify, after receiving message authentication code, submit the code and the activation is done.

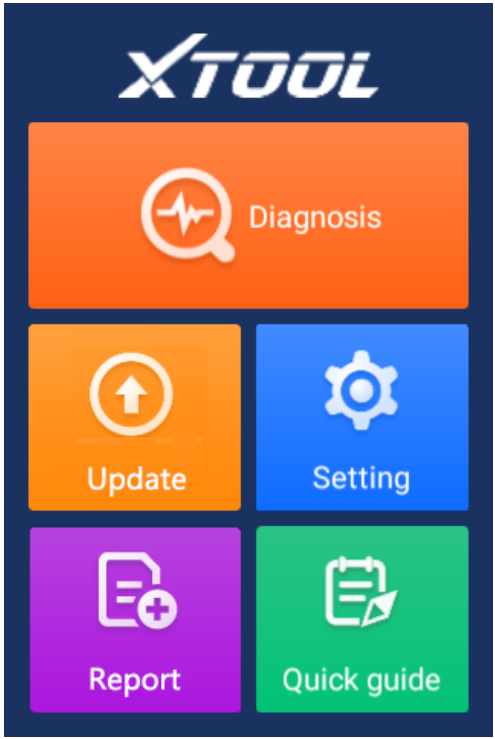
Note

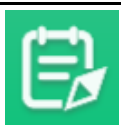
1.Generally, A30 Pro will be activated in advance when it leaves the factory, but if you do a factory reset of the device, then you need to activate it again.

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

3.2. Main Interface

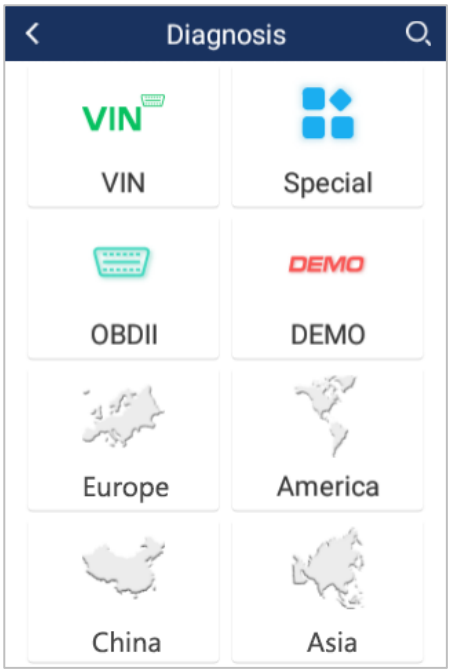
After booting, the main interface as shown below.



Item	Description
	Click to start 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 A30 Pro

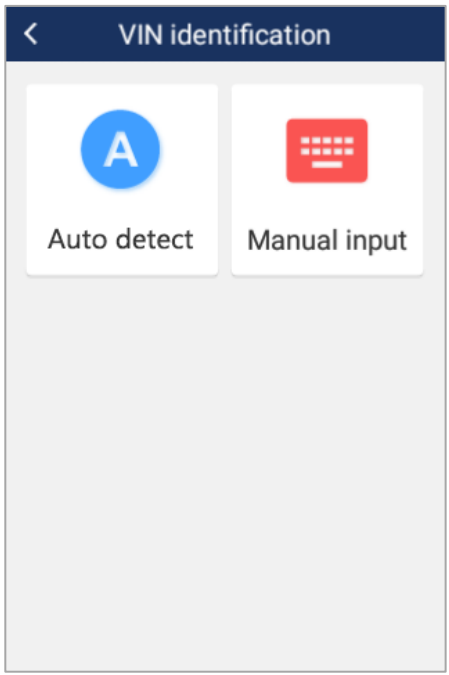
3.3. Diagnosis

This function is the core module of A30 Pro, which support full system diagnosis for vehicles.



VIN Identification

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

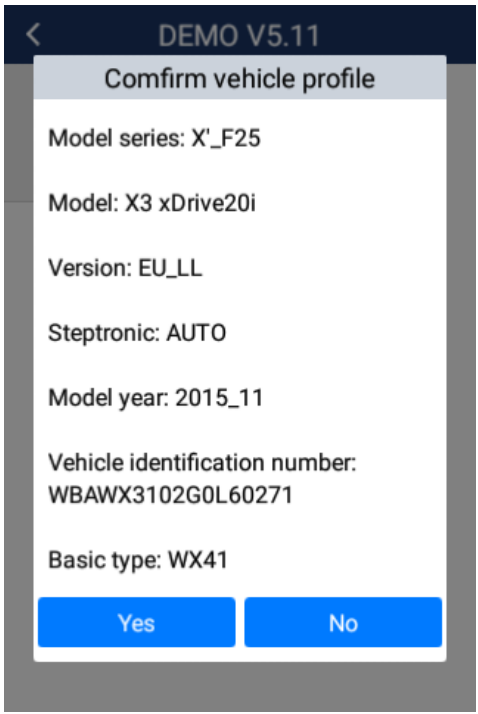


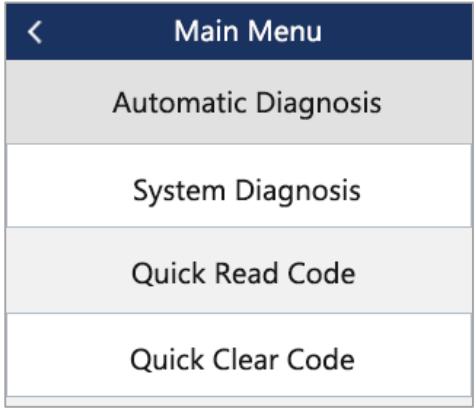
Vehicle Selection

A30 Pro supports 98% of the car on the market from America, Europe, Asia, and China. User can choose vehicle model for diagnosis according to their needs.

Demo

This function is used for demonstration. User can view all of the functions in A30 Pro without changing any settings.



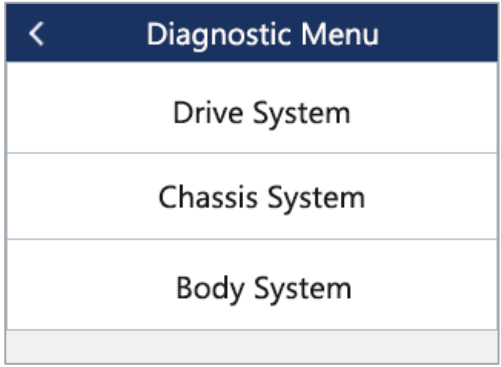


- **Automatic Diagnosis**

Support automatic scanning and diagnosis of the whole vehicle system

- **System Diagnosis**

Supports scanning and diagnosis of a single system



- **Quick Read Code**

Support fast reading of fault codes

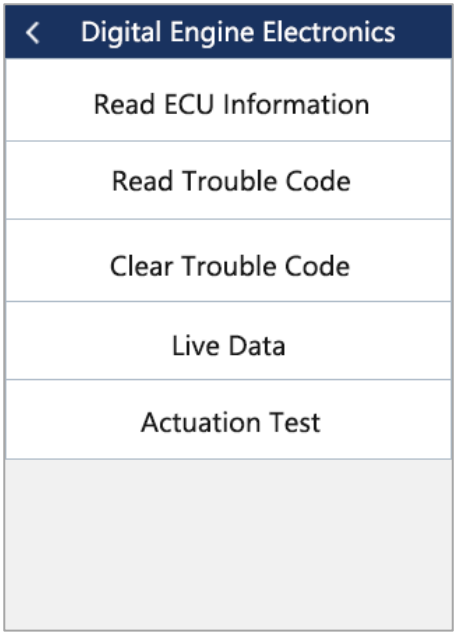
- **Quick Clear Code**

Support fast clearing of fault codes

Basic Function

A30 Pro will enter diagnose function after confirming vehicle model. The normal function includes reading ECU version information, Read ECU code, read fault code, read freeze frame, quick clear codes, read live data,

and Reset control unit. There will be some differences among different vehicle models.

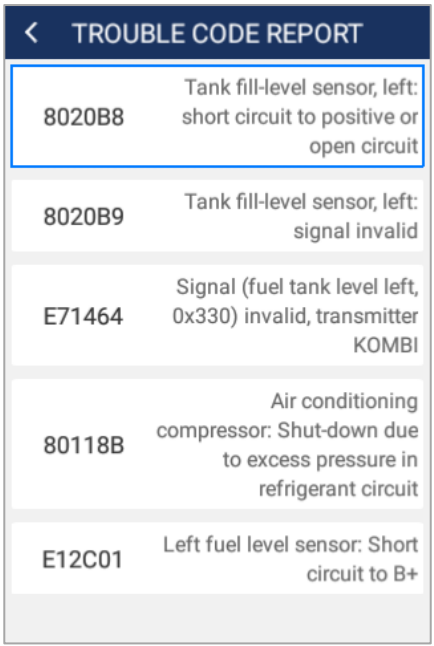


Read ECU Info

This function allows user to read ECU version information. Some electronic control system displays system identification or system information menus, which have the same meaning, and read information such as software, hardware version numbers, part numbers, and etc.

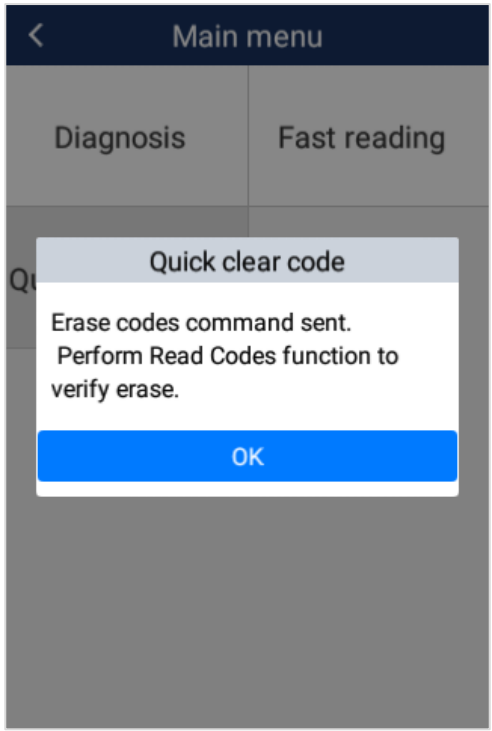
Read Trouble Code

This function allows 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.



Clear Trouble Code

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

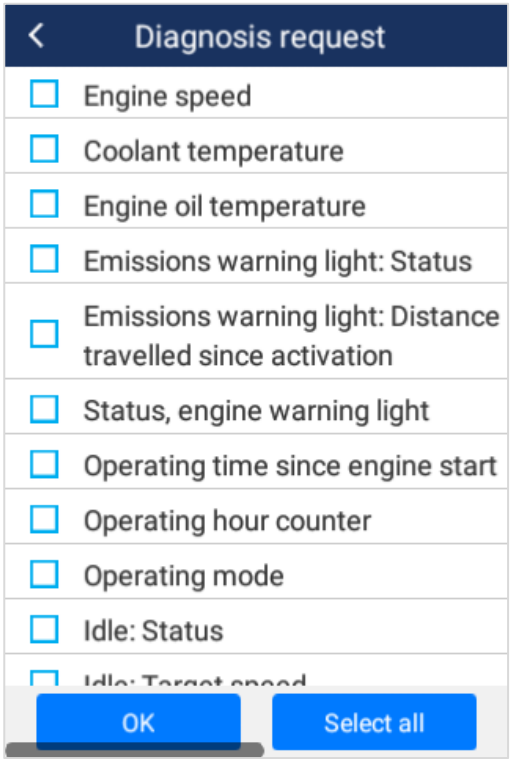
Notice

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 to read the ECU code again to reconfirm that previous fault codes have been cleaned*

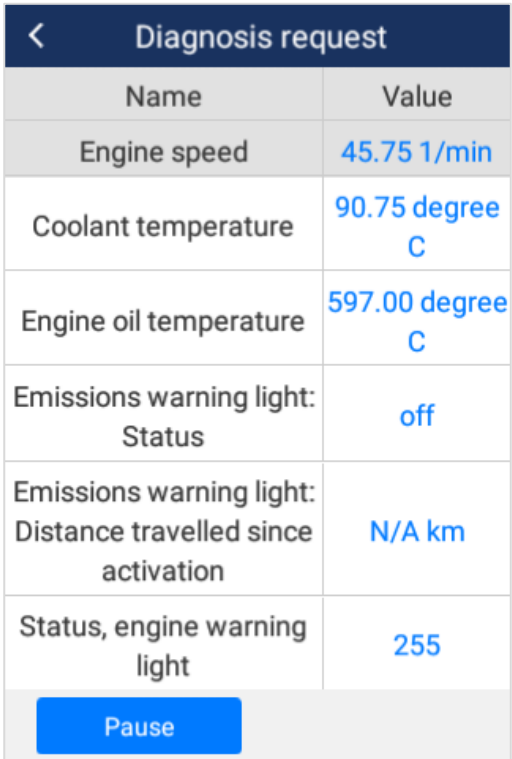
Read Live Data

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

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



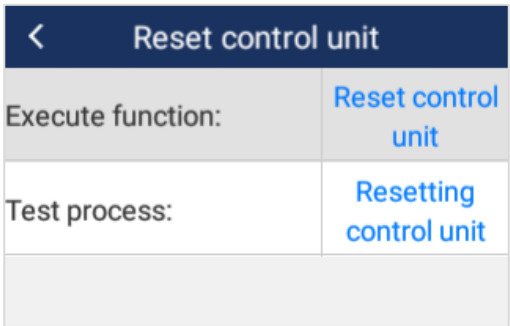
Function Select



Read live data

Reset Control Unit (Bi-directional Control)

This function allows user to figure out whether a specific subsystem or component in the car works well or not, and to make the tester outputs function.



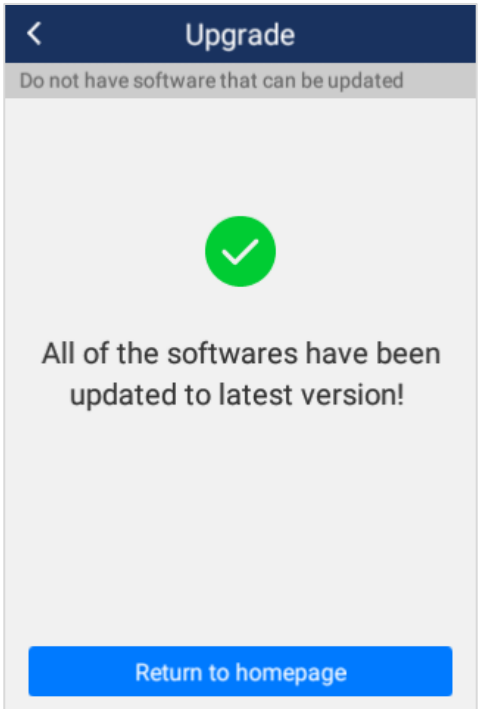
(This picture is only for reference)

The vehicle engineers responsible for designing computer control systems programmed them so a scan tool could request information or command a module to perform specific tests and functions. Some manufacturers refer to bidirectional controls as functional tests, actuator tests, inspection tests, system tests or the like. Reinitialization and reprogramming

also can be included in the list of bidirectional controls. This function allow device sends information to, and receives information from, vehicle control modules. For example, in the case of OBD II generic information Mode 1 (which relates to data parameters), the scan tool user initiates a request for information from the powertrain control module (PCM), and the PCM responds by sending the information back to the scan tool for display. Most enhanced scan tools also have the ability to actuate relays, injectors and coils, perform system tests, etc. Users could check the individual part to see what is working properly by actuation test.

3.4. Update

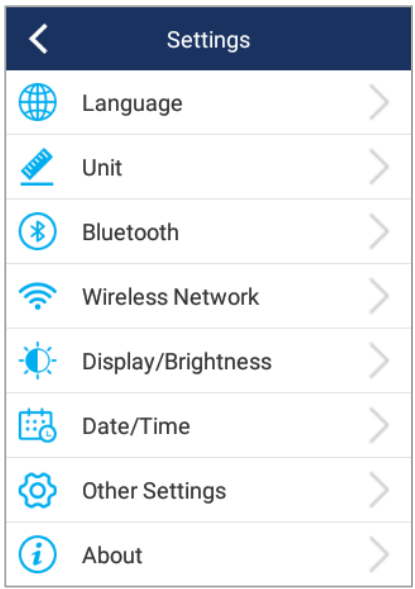
The A30 Pro supports one-click upgrade to renew software quickly to experience the latest function;



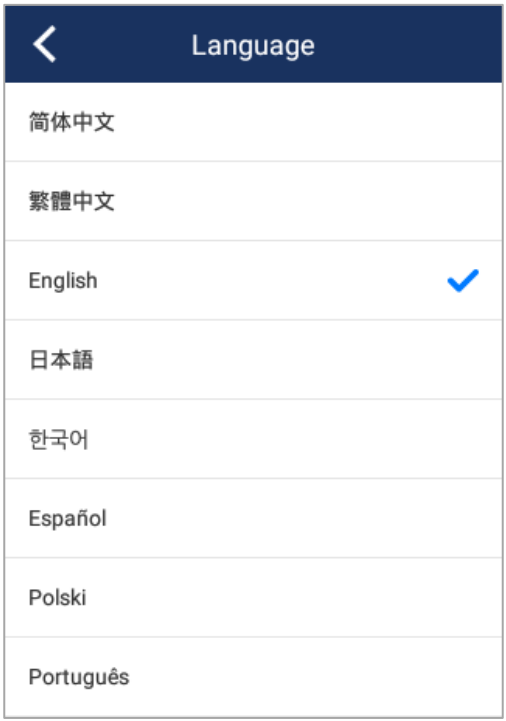
Notice: when a new software is released, an update notice will be shown on screen, customer can choose to upgrade or not.

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:



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



■ Please follow the steps below to switch languages▼

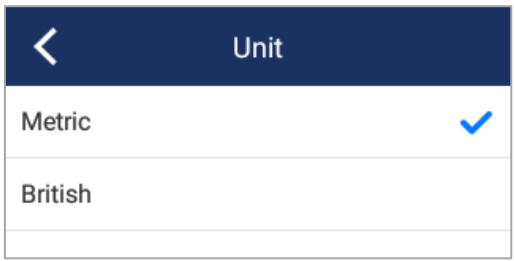
Step 1: Contact your dealer and leave a message about the language you need and the S/N of your device until they notify you that the language change is complete

Step 2: Settings->Language->Choose language

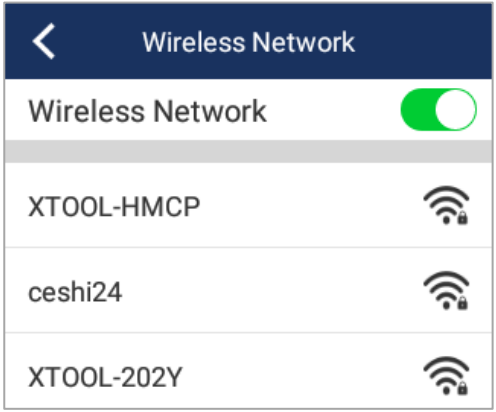
Step 3: OS Settings->Language & input->Choose Language

Step 4: Back to **Update**

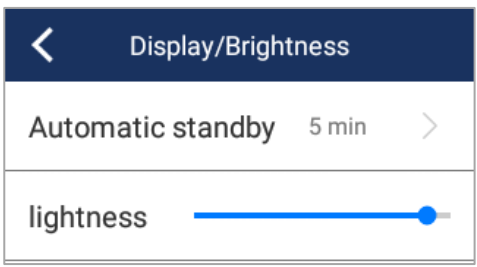
■ Unit: Select the unit of measurement, users can select Metric or British system.



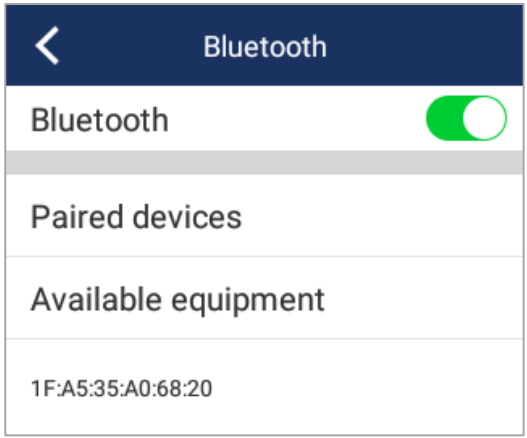
■ Wi-Fi: Choose a suitable wireless network connection to perform data transmission and Internet access



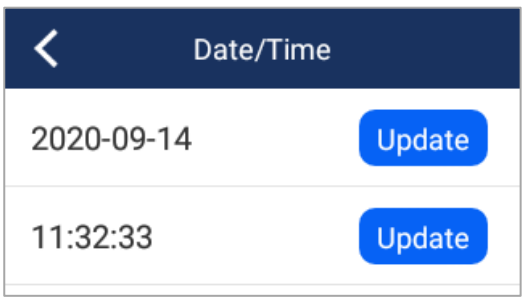
- Display/Lightness：Users can adjust the brightness of display and the time interval of the host's automatic standby according to their own conditions to achieve better experience.

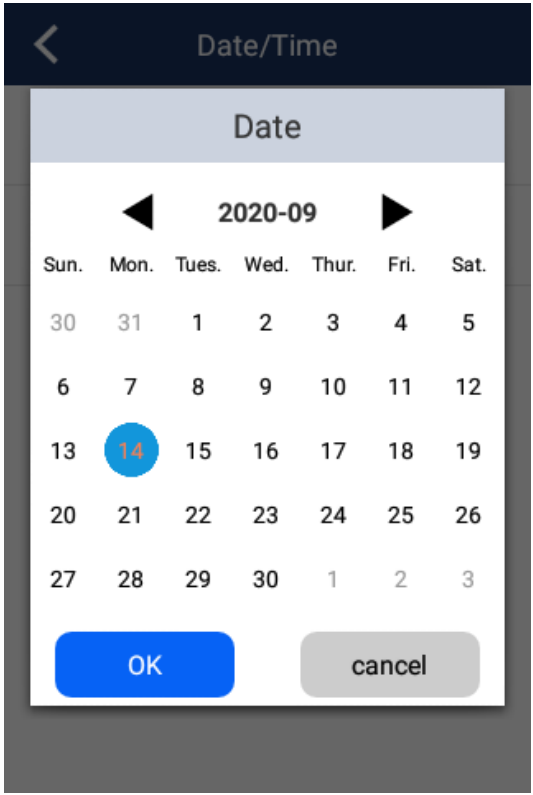


- Bluetooth：You can select the Bluetooth to pair.

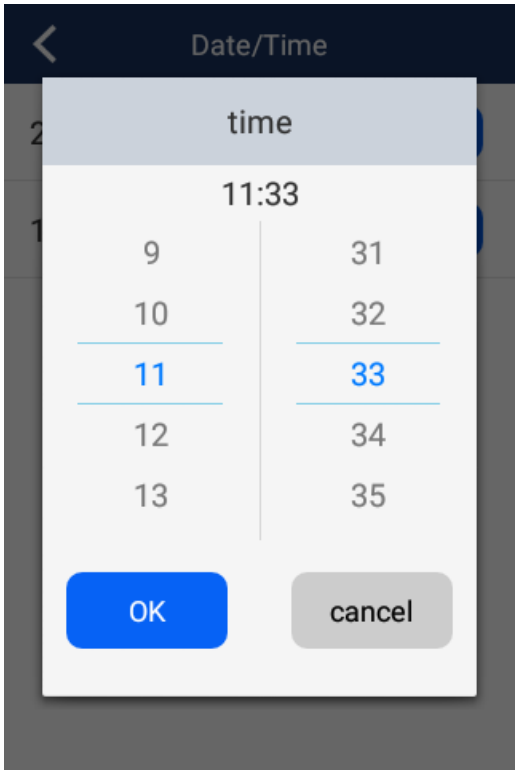


- Date/Time：User can set the date and time of the system here




Date/Time
Date
2020-09
Sun. Mon. Tues. Wed. Thur. Fri. Sat.
30 31 1 2 3 4 5
6 7 8 9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29 30 1 2 3
OK
cancel

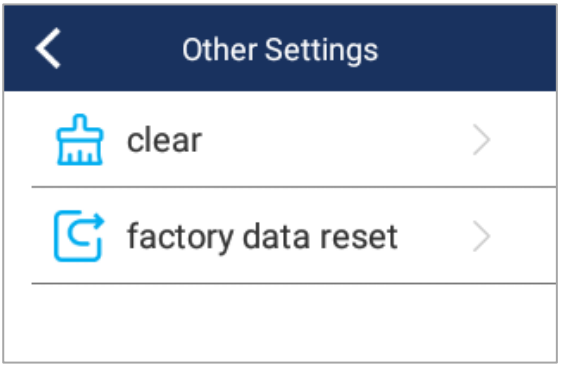
Set date



Set time

■ Other settings: Users can clean up the system cache and

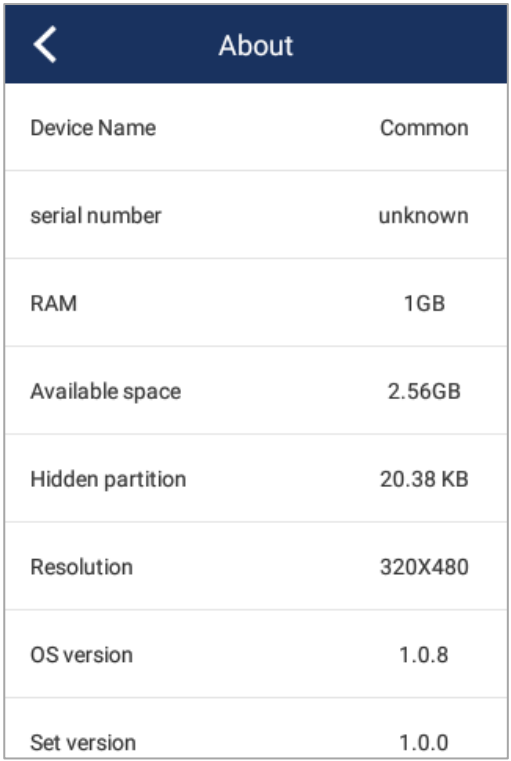
restore factory settings



Notice

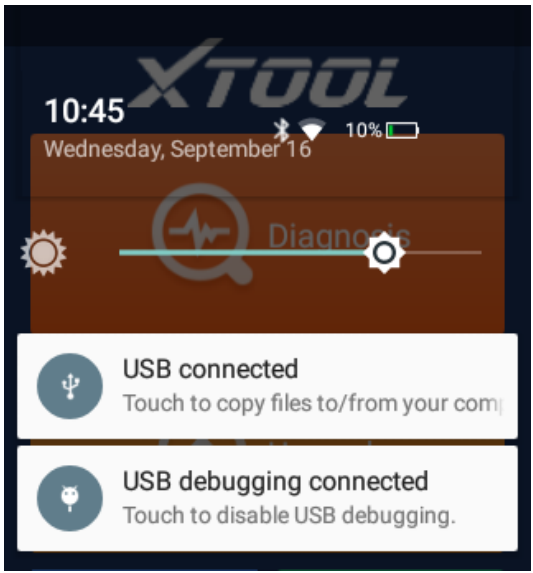
Before clearing the cache and restoring the factory settings, please confirm whether the required information has been saved or backed up, if the losses caused by this, Xtooltech assume no liability or responsibility for that.

- About：Users can the information of the device.

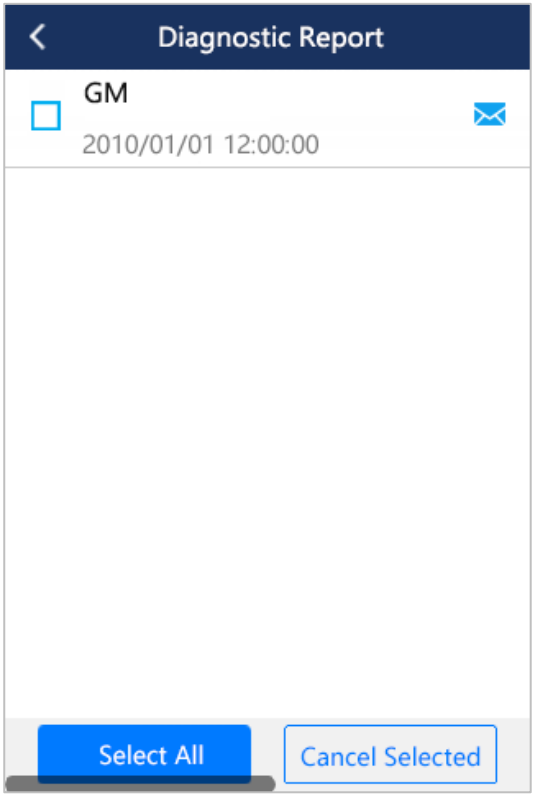


- Tool tip

  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


Diagnostic Report
GM
2010/01/01 12:00:00
Select All
Cancel Selected

Report function allows user 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

A30 Pro provides an online user manual, which could be used to learning the product function at any time. User can open Quick Guide by click the menu icon on screen, or press button on the bottom right.

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

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