XTOOL A30 Anyscan Code Reader Scanner User Manual

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Safety Information

For your own safety and the safety of others, and to prevent damage to the device and vehicles upon which it is used, it is important that the safety instructions presented throughout this manual be read and understood by all persons operating or coming into contact with the device. There are various procedures, techniques, tools, and parts for servicing vehicles, as well as in the skill of the person doing the work. Because of the vast number of test applications and variations in the products that can be tested with this equipment, we cannot possibly anticipate or provide advice or safety messages to cover every circumstance. It is the automotive technician's responsibility to be knowledgeable of the system being tested. It is crucial to use proper service methods and test procedures. It is essential to perform tests in an appropriate and acceptable manner that does not endanger your safety, the safety of others in the work area, the device being used, or the vehicle being tested. Before using the device, always refer to and follow the safety messages and applicable test procedures provided by the manufacturer of the vehicle or equipment being tested. Use the device only as described in this manual. Read, understand, and follow all safety messages and instructions in this manual.

Safety Messages
Safety messages are provided to help prevent personal injury and equipment damage. All safety messages are introduced by a signal word indicating the hazard level.

DANGER
Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury to the operator or to bystanders.

WARNING
Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury to the operator or to bystanders.
Safety Instructions The safety messages herein cover situations Autel is aware of. Autel cannot know, evaluate or advise you as to all of the possible hazards. You must be certain that any condition or service procedure encountered does not jeopardize your personal safety.

DANGER
When an engine is operating, keep the service area WELL VENTILATED or attach a building exhaust removal system to the engine exhaust system. Engines produce carbon monoxide, an odorless, poisonous gas that causes slower reaction time and can lead to serious personal injury or loss of life.

SAFETY WARNINGS

- Always perform automotive testing in a safe environment.
- Wear safety eye protection that meets ANSI standards.
- Keep clothing, hair, hands, tools, test equipment, etc. away from all moving or hot engine parts.
- Operate the vehicle in a well-ventilated work area, for exhaust gases are poisonous.
- Put the transmission in PARK (for automatic transmission) or NEUTRAL (for manual transmission) and make sure the parking brake is engaged.
- Put blocks in front of the drive wheels and never leave the vehicle unattended while testing.
- Be extra cautious when working around the ignition coil, distributor cap, ignition wires and spark plugs. These components create hazardous voltages when the engine is running.
- Keep a fire extinguisher suitable for gasoline, chemical, and electrical fires nearby.
- Do not connect or disconnect any test equipment while the ignition is on or the engine is running.
- Keep the test equipment dry, clean, free from oil, water or grease. Use a mild detergent on a clean cloth to clean the outside of the equipment as necessary.
- Do not drive the vehicle and operate the test equipment at the same time. Any distraction may cause an

accident.

- Refer to the service manual for the vehicle being serviced and adhere to all diagnostic procedures and precautions. Failure to do so may result in personal injury or damage to the test equipment.
- To avoid damaging the test equipment or generating false data, make sure the vehicle battery is fully charged and the connection to the vehicle DLC is clean and secure.
- Do not place the test equipment on the distributor of the vehicle. Strong electromagnetic
- interference can damage the equipment.

Chapter I About Anyscan A30M

Appearance

Layout

1. LCD display: display the car voltage
2. OBD 16pin connector
3. Light button
4. Bluetooth Indicator: It turns red when Bluetooth is not connected; it turns blue when Bluetooth is connected successfully
5. Power Indicator: It turns green when power is on
6. Vehicle Indicator: When Anyscan A30 is connected with vehicle successfully, it turns green.

Basic Parameters

Display	1 inches
CPU	STM32
Interface	OBD interface
Bluetooth	3.0/ 4.0 compatible, + EDR dual mode
Memory	512KB
LED lights	Bluetooth indicator, power indicator, vehicle diagnostic light, lighting indicator.
Fuselage size	87.00*50.00*25.00mm
Lighting power supply	100mAh

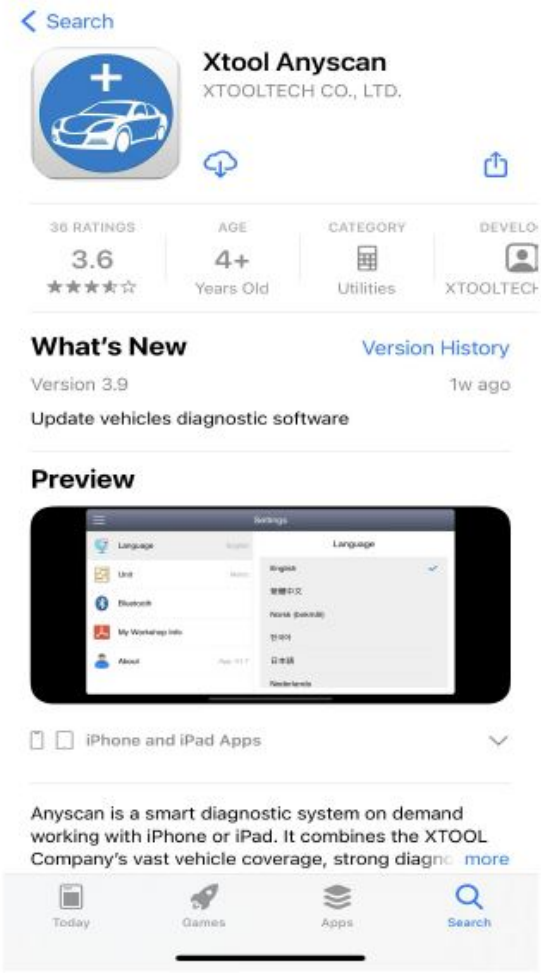
Chapter II How to use Anyscan A30M

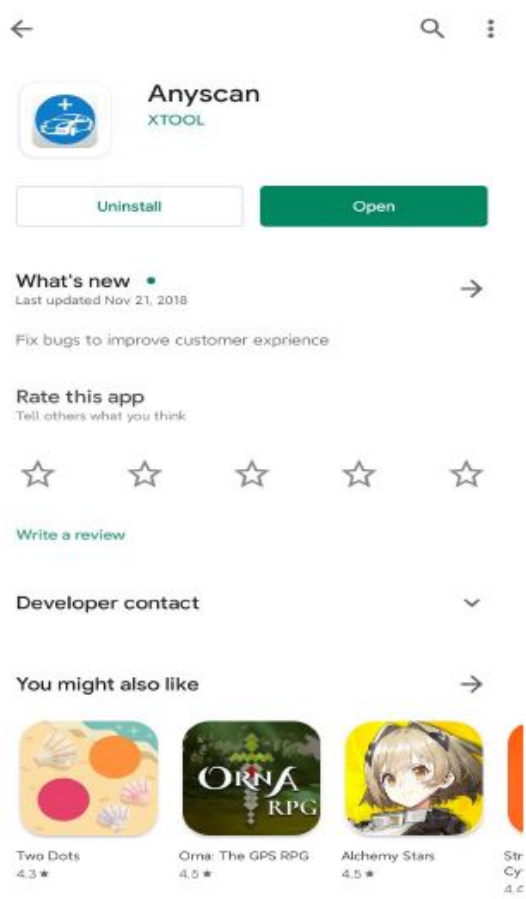
App download instructions

Support iOS and Android systems.

OS	Device	Mode
Apple iOS (Requires iOS4. 3 or later)	Ipod touch	iPod Touch 1st generation, 2nd generation, 3rd generation, 4th generation
	iPhone	iPhone, iPhone3, iPhone3GS, iPhone4, iPhone4s, iPhone5 , iPhone6, iPhone6 Plus, iPhone6s, iPhone6s Plus, iphone7, iphone7 plus, iphone8, iphone8 plus, iphone X
	iPad	iPad, iPad2, ipad3, iPad air, iPad Mini 1, iPad Mini2, iPad Pro
Android (Requires 0S2. 3 o r later)	All android smart phone and tablet	

Download the Anyscan App from Google Play or the App store.





App activation

Please activate the App before you use it to test vehicles.

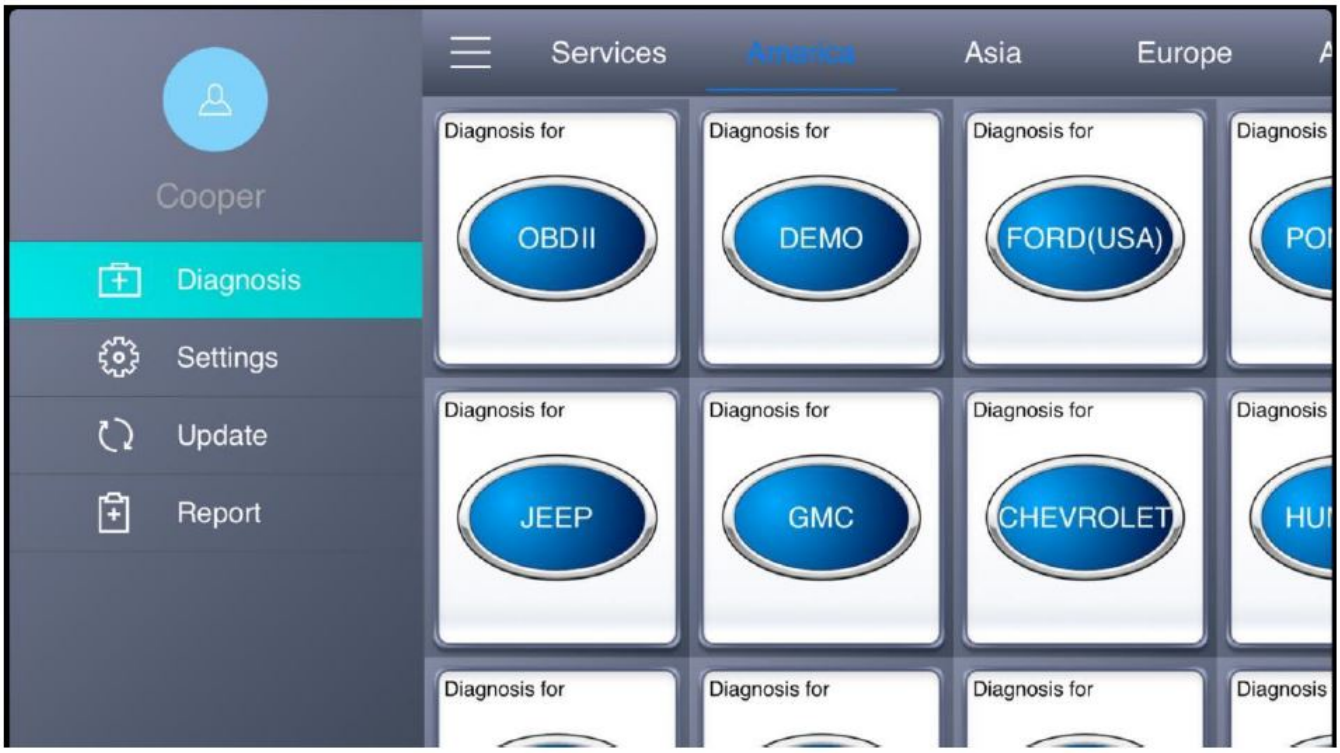
Input activation code, product serial number (each device will have a serial number and activation code on the certificate of quality paper), user name, email address and password, the system will then save it. Activation is a one-time process. The Anyscan A30M application will start after activation.

After activation, update to the latest software

Any scan A30M Main Interface and Functional Buttons Descriptions

Main Interface

Tap on the Anyscan A30M application icon, the main interface and sub-menus will be shown as below

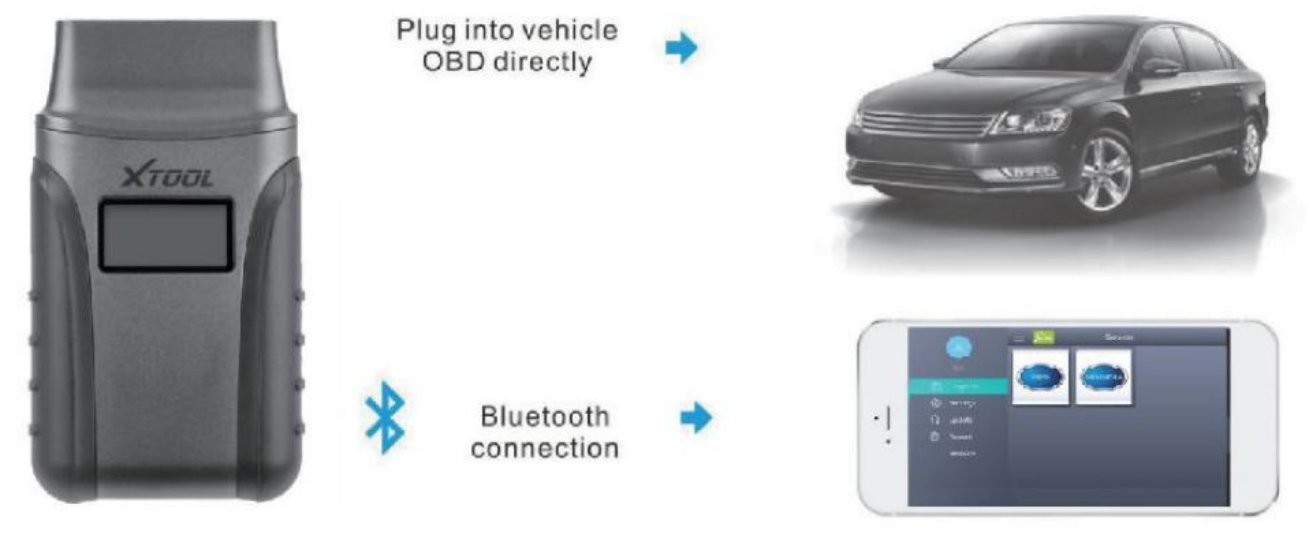


Sub-menus and Function Buttons

Function Buttons	Descriptions
Diagnosis	It can read diagnostic information, view live data, perform actuation tests and special functions etc.
Settings	Access the language setting and other settings.
Update	Click Update after connecting to internet, you can then download the latest diagnostic software directly.
Report	Users can view all the diagnostic reports and data generated in the diagnosis process.

Vehicle Connection Diagnosis

Anyscan A30M can be connected to vehicles in the following way:



Diagnosis and Services

Menu Options After the Anyscan A30M is connected to the vehicle and paired with Anyscan A30M App via Bluetooth connection, diagnosis can be performed. Users can choose the relevant menu for the vehicle being tested. The diagnostic interface is as shown below:

Full System Diagnostics
A30M can diagnose the electronic control system of prevailing vehicle models covering America Asian Europe, Australia and China. Full range car models and full car system diagnose make it aprofessional automotive diagnostic tool. Include : ABS system, Engine system, SAS system , TPMS system, IMMO system , Battery system , Oil service system , SRS system , ect… Diagnosis functions include: Read Live Data, On-Board Monitor, ComponentTest,Vehicle Information , Vehicle Status ect…

Read/Clear code
This option is used to read/clear all emission-related diagnostic data such as, DTCs, freeze frame data and manufacturer-specific enhanced data from the vehicle’s ECM. A confirmation screen displays when the read/clear

codes option is selected to prevent acciden. A confirmation screen displays when the read/clear codes option is selected to prevent accidental loss of data. Select “Yes” on the confirmation screen to continue or “No” to exit.

Live Data
This function displays the real time PID data from ECU. Displayed data includes analog inputs and outputs, digital inputs and outputs, and system status information broadcast on the vehicle data stream.
Live data can be displayed in various modes.

Component Test
This service enables bi-directional control of the ECM so that the diagnostic tool is able to transmit control commands to operate the vehicle systems. This function is useful in determining whether the ECM responds to a command well.

Vehicle Information
The option displays the vehicle identification number (VIN), the calibration identification, and the calibration verification number (CVN), and other information of the test vehicle.

Vehicle Status
This item is used to check the current condition of the vehicle, including communication protocols of OBD II modules, retrieved codes amount, status of the Malfunction Indicator Light (MIL), and other additional information

Services
Besides the usual system diagnostic functions, Anyscan A30M also has a special function for certain vehicles.The special function section is specially designed to provide you with quick access to the vehicle systems for various scheduled service and maintenance performances. The typical service operation screen is a series of menu-driven executive commands. By following the on-screen instructions to select appropriate execution options, enter correct values or data, and perform necessary actions, the system will guide you through the complete performance for various service operations. The most commonly performed service functions include:
Service/Maintenance Light Reset Electronic Parking Brake EPB Reset Steering Angle Sensor Adjust Diesel Particulate Filter (DPF) Regeneration Injector Coding ABS Bleeding Gear learning Battery Maintenance System BMS) Reset Gearbox Match SRS reset TPMS (Tire Pressure Monitor System) Reset Air Suspension Throttle Relearn Headlight Adjustment Window Initialization Electronic water pump activation Tire Refit Seat matching Disable transport mode Instrument cluster Cylinder matching.
Service/Maintenance Light Reset The lightening of the car maintenance light indicates that the vehicle needs maintenance.Reset the mileage or driving time to zero after the maintenance, so the maintenance light will go out and the system will start a new maintenance cycle.

EPB Reset
This function has a multitude of usages to maintain the electronic braking system safely and effectively. The applications include deactivating and activating the brake control system, assisting with brake fluid control, opening and closing brake pads, and setting brakes after disc or pad replacement, etc.

SAS Adjust
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.

DPF Regeneration
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.

Injector Coding
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.

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

Gear learning
After the engine ECu, crankshaft position sensor,or crankshaft flywheel is replaced, or the DTC ‘gear not learned’ is present, gear learning must be performed.

BMS Reset
The BMS (Battery Management System) 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.

Gearbox Match
When the gearbox is disassembled or repaired (the car battery is powered off), it will cause the shift delay. In this case, you need to perform this operation so that the gearbox can automatically compensate according to the driving situation to achieve better shift quality.

SRS Reset:
This function resets the airbag data to clear the airbag collision fault indicator.

TPMS Reset:
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.

Air Suspension
This function can adjust the height of the body. When replacing the body height sensor in the air sus pension system, or control module or when the vehicle level is incorrect, you need to perform thisfunction to adjust the body height sensor for level calibration.

Throttle Relearn
Elec. Throttle Adaption is to utilize the car decoder to initialize the throttle actuator so that the learning value of the ECU returns to the initial state.

Headlight Adjustment
This feature is used to initialize the adaptive headlamp system.

Tire Refit
This function is used to set the size parameters of the modified or replaced tire.

Window Initialization
This feature is designed to perform door window matching to recover ECU initial memory, and recover the automatic ascending and descending function of power window.

Electronic Water Pump Activation
Use this function to activate the electronic water pump before venting the cooling system.

Seat Matching
This function is applied to match the seats with memory function that are replaced and repaired.

Disable Transport mode
In order to reduce power consumption, the following functions may be disabled, including limiting the vehicle speed, not waking up the door opening network, and disabling the remote control key, etc.At this time, the transport mode needs to be deactivated to restore the vehicle to normal.

Instrument cluster
The instrument cluster is to copy, write, or rewrite the value of kilometers in the chip of odometer by using a car diagnostic computer and data cable, so that the odometer shows the actual.

Cylinder matching:
This function is to balance the cylinder power of the car.

Settings

Select the Settings application to open a setup screen to adjust the default setting and view information about the Anyscan A30M system. There are 5 system settings.
Language: Tap to select the language you need.

Unit:
This option allows you to adjust the measurement unit. You can tap the British unit or Metric to switch between these two measurement units.

Bluetooth:
Click for Bluetooth settings and pairing.

My Workshop Info:
You can input your workshop info here. When the diagnostic report is generated, it will show your workshop info.

About:
Tap to display the current version of the APP, and info of the activation account

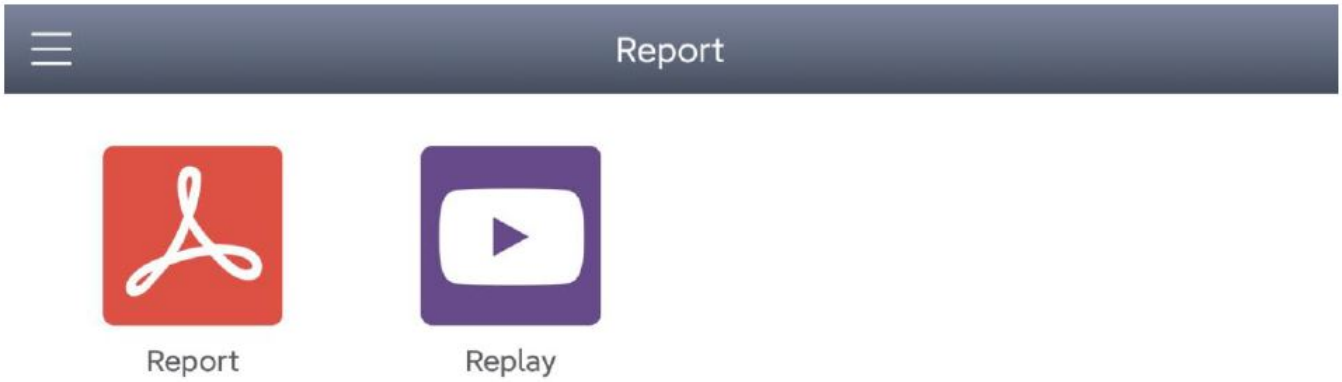
Report
The report is for checking the saved files, such as the report of Live Data or Trouble Codes or pictures generated in the process of diagnosis, users also can know what cars have been tested. It includes two parts: Report and Replay.

Report
The report shows the diagnostic reports of Live Data or Trouble Codes in the process of diagnosis. Entering

Report can review various diagnostic reports.

Replay

The replay can check what cars have been tested and play recorded Live Data& freeze frame.



Update

Any scan A30M can be conveniently updated via WIFI, you only need to tap Update, then select the software you need to update, which is as shown below

Documents / Resources

	XTOOL A30 Anyscan Code Reader Scanner [pdf] User Manual A30 Anyscan Code Reader Scanner, A30, Anyscan Code Reader Scanner