

Middle East & Africa

LAUNCH

Create - Change

X-431 PRO V4.0

Introduction

Prepared by IT Department

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Product Description

Medium and high-end product independently developed by Launch.

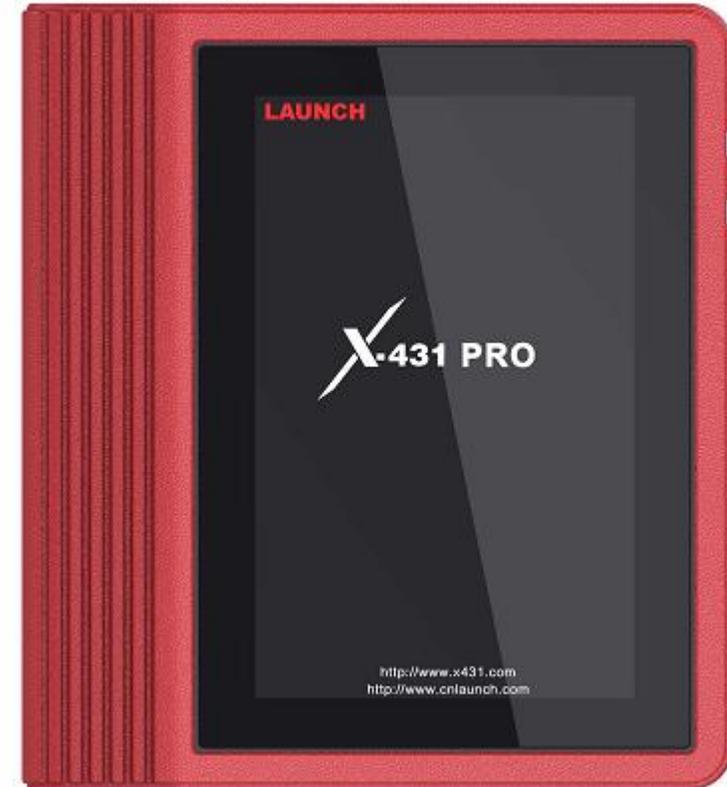
Wide vehicle coverage, strong diagnostic functions, accurate diagnostic data, multiple special functions.

Support extension module: endoscope and anti-theft key matching

Product Description

X-431 PRO V4.0 is a medium and high-end product independently developed by Launch. It inherits many advantages of X-431 PRO series, such as wide vehicle coverage, strong diagnostic functions and accurate test data, realizing fault diagnosis for the whole car series and the whole system. It supports the diagnostic functions including Read DTCs, Clear DTCs, Read Data Streams, Actuation Test, Special Functions, Matching, Coding. In addition, it supports extension module: endoscope and anti-theft key matching

"Intelligent diagnosis" technology, which integrates the application advantages of mobile Internet, is the first in the industry. It can automatically identify vehicle information and complete rapid diagnosis. Users can also check online vehicle maintenance records.



2

Product Parameters

Product Appearance

- PUSH TO PUSH design is adopted. The connector is easy to unplug and insert, not easy to lose.
- TYPE C interface, more convenient operation, more stable charging



PRO V4.0 Host Parameters

- **Operating system:** Android 7.0
- **CPU:** 1.3GHz 4-core
- **Memory:** 2G
- **Display screen:** 8-inch high definition 1280 × 800
- **Storage:** 32GB
- **Camera:** rear 5 mega pixels
- **Weight:** about 1.0 kg
- **Dimension:** 226x203x43.6mm (length X width X height)
- **Working temperature:** 0°C ~ 50°C



DBScarIV Connector Parameters

X-431 PRO V4.0 adopts the new DBScarIV diagnostic connector, which is stable and small in size. It is designed with push to push style and is more convenient to use. It uses the same connector for diagnosis and matching, and supports fault-tolerant CAN diagnosis. The detailed parameters are as follows:

- Dimension: 58×47×24 mm (excluding plug)
- Working voltage: 9V DC--18V DC
- Test voltage: DC12V
- Typical power consumption: ≤2W
- Bluetooth type: BT4.0
- Diagnostic mode: Bluetooth
- Operating temperature: 0 °C to 50°C
- Red indicator: red when connected to the power supply;
- Blue indicator: blue in wireless Bluetooth mode



3

Operation Guide

Registration/Login, Activation, Upgrade

When the APP is started, it provides simple and user-friendly operation guidance.

1

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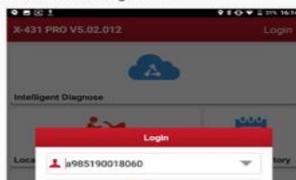
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1.How to register an account

①Click on Login button in the top right corner of the homepage



②Click on New User button in the login window

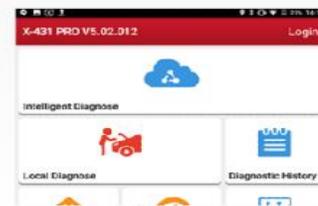


2.How to activate the connector

Method 1: ①The registration process directly activates the connector



Method 2: ①Click to enter Personal Center



3.How to upgrade the software

①Click to enter Software Upgrade



②Select the model software to be upgraded



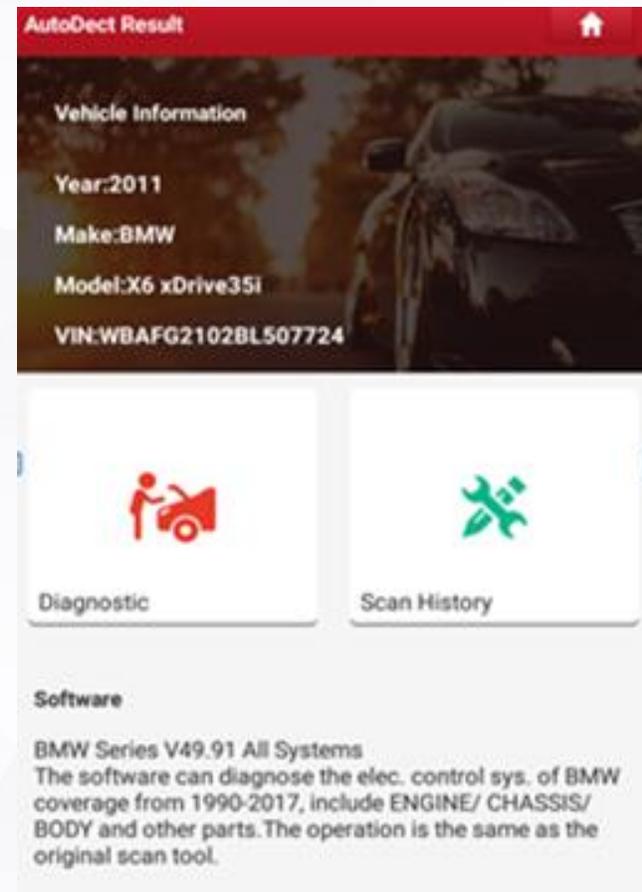
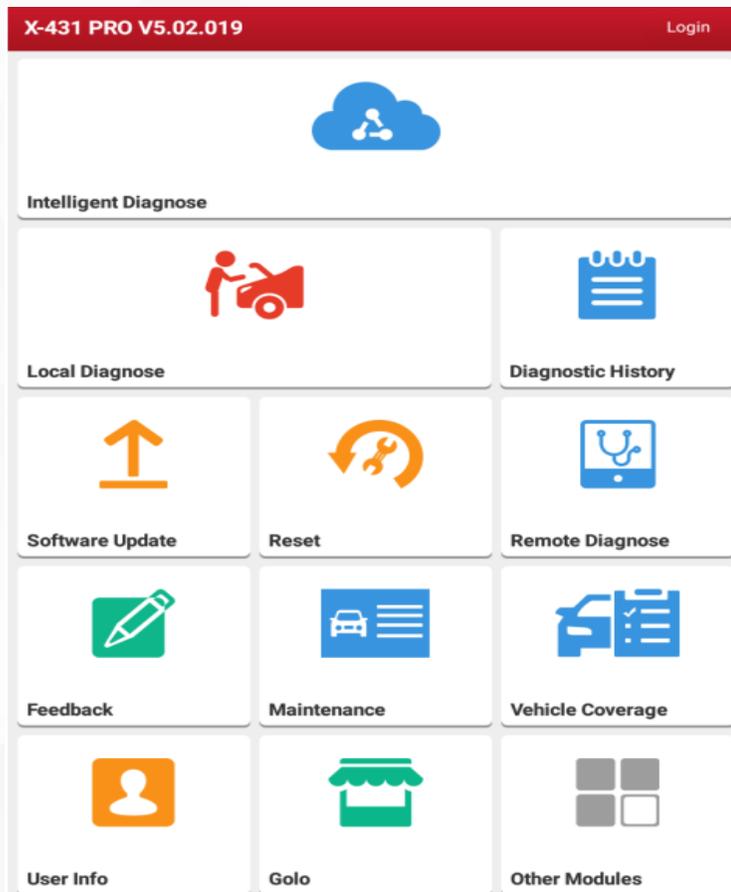
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Product Functions

Intelligent diagnosis, traditional diagnosis, special functions, software upgrade, remote diagnosis, diagnostic records, diagnostic feedback, maintenance data, testable car models, etc.

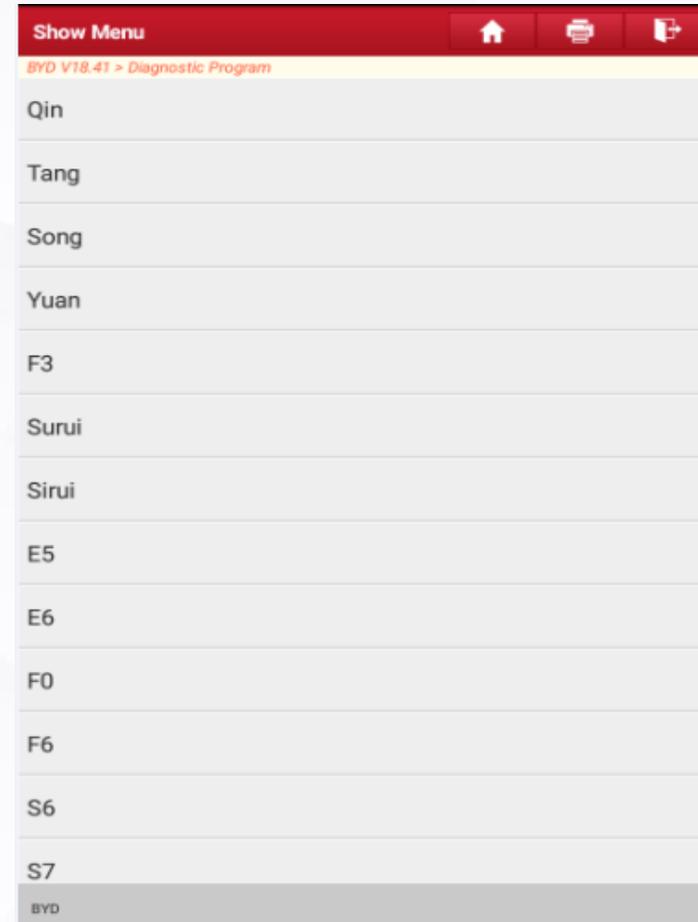
Intelligent Diagnosis

Based on more than 20 years of automobile diagnostic technology, Launch takes the lead in putting forward the intelligent diagnosis technology. Through intelligent diagnosis, users can read vehicle information such as VIN quickly, view historical diagnostic records, and enter diagnosis quickly.



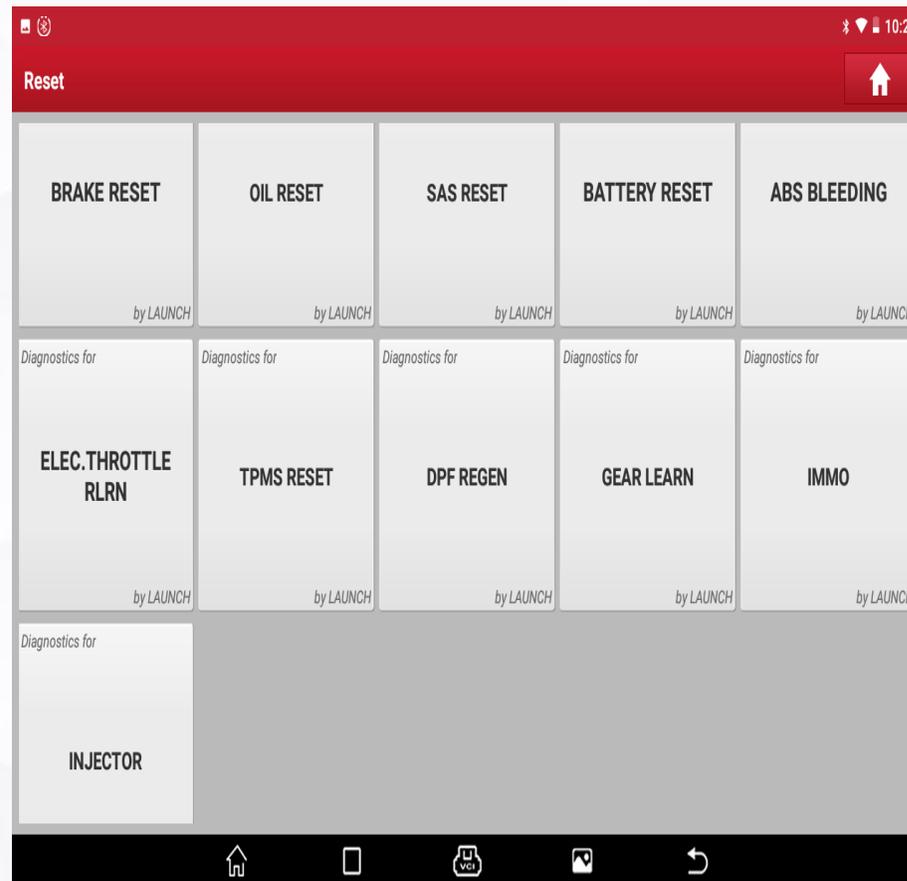
Traditional Diagnosis

Intelligent diagnosis cannot be used when network is unavailable. At this time, you can select traditional diagnosis and manually select car series and car model for test.



Special Functions

Support the following common special functions for most car models: service lamp reset, throttle matching, steering angle reset, brake pad reset, tire pressure reset, immobilizer matching, ABS bleeding, battery matching, tooth learning, injector coding, DPF regeneration



Diagnostic Functions – Accurate Diagnosis

Based on more than 20 years of automobile diagnosis technology, Launch developed original equipment for most of the domestic self-owned brand automobile factories, so that the DTCs, data streams, actuation test and other functions about the product diagnosis can reach the original level.

Diagnostic Trouble Code

DEMO V15.11 > Health Report

ECM(Engine Control Module)	2	Enter
<i>P0401 EGR Valve A Flow Insufficient Detected</i> <i>P1291 Injector High Side Short To GND Or VBATT (Bank1)</i>		
TCM(Transmission Control Module)	3	Enter
<i>P2500 The Transmission Has an Impermissible Transmission Ratio.</i> <i>P2502 The Gear is Implausible or the Transmission is Slipping.</i> <i>P2211 The Selector Lever is in an Intermediate Position.</i>		
ABS(Anti-lock Braking System)	1	Enter
<i>C1237 Speed wheel rear input signal missing</i>		
SRS(Supplemental Inflatable Restraint System)	3	Enter
<i>B1878 Airbag-OFF-Lampe Fehlerart</i> Current <i>B1868 The Coding for the Ignition Circuit with Component R12/22(Left Rear Window Airbag Ignition Squib) is Faulty.</i> Current <i>B1019 The Ignition Circuit with Component R12/11(Left Rear Side Airbag Ignition Squib) Has Short Circuit to Positive.</i> Stored		
BCM(Body Control Module)	1	Enter
<i>B1310 Run / Start Control: Circuit Short to Battery</i>		
IMM(Immobilizer)	3	Enter
<i>B2775 Interior Verification (to Theft Deterrent ECU / Smart Key ECU)</i>		

Report Help Clear DTCs

Select Test Item

DEMO V15.11 > System Scan

System Name	Result
ECM(Engine Control Module)	Equipped
TCM(Transmission Control Module)	Equipped
ABS(Anti-lock Braking System)	Equipped
SRS(Supplemental Inflatable Restraint System)	Equipped
BCM(Body Control Module)	Equipped
IMM(Immobilizer)	Equipped
BMS(Battery Manager System)	Equipped
TPMS(Tire Pressure Monitoring System)	Equipped
SAS(Steering Angle System)	Equipped

Demo F-350 2012
VIN 1FT8W3D79CEBCC000

Data Stream

DEMO V15.11 > System Selection > ECM(Engine Control Module)

Name	Value	Standard Range	Unit	English Metric
Absolute Throttle Position B	14.12	0 - 100	%	
Accelerator Pedal Position D	7.06	0 - 100	%	
Accelerator Pedal Position E	24.71	0 - 100	%	
Accelerator Pedal Position Sensor 1	1.04	0 - 5	V	
Accelerator Pedal Position Sensor 2	0.53	0 - 5	V	
Ambient Air Temperature	21	-40 - 215	degree C	
Ambient Air Temperature Sensor Voltage	1.73	0 - 5	V	
Barometric Pressure	99.5	0 - 117.2	KPa	
Calculated Engine Torque	-13.6	-3276.8 - 3276.8	Nm	
Calculated Load Value	15.69	0 - 100	%	
Clutch Pedal Position	(10.5)	0 - 100	%	

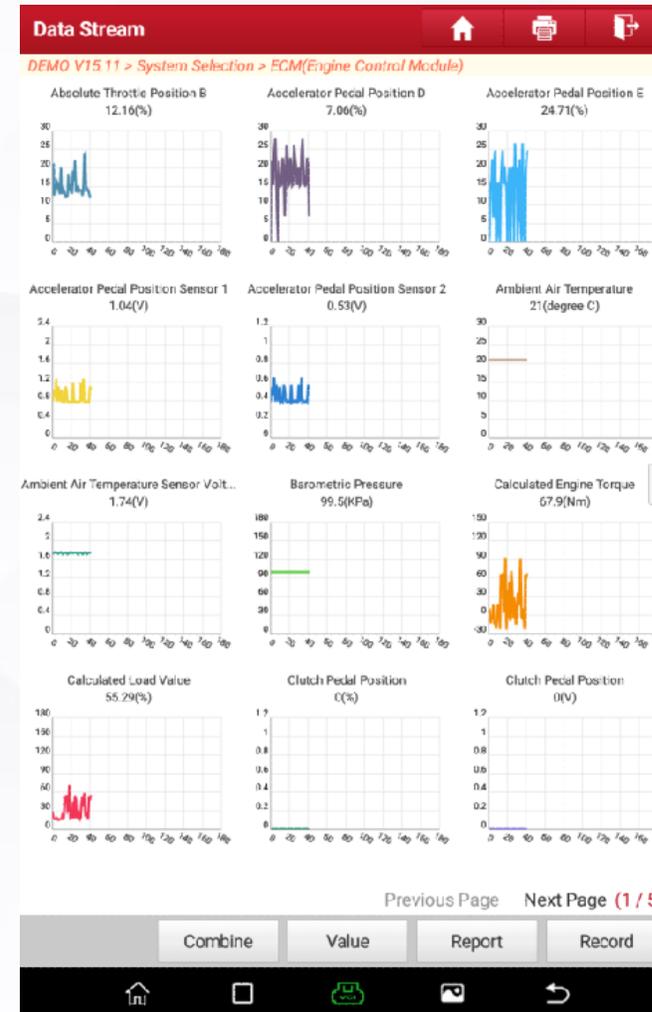
Graph Report Record Help

Diagnostic Functions - Data Stream and Waveform Recording and Playback

Data stream and waveform recording and playback can analyze the faults that only reoccur during driving and can quickly rectify car faults.

Data Stream				
DEMO V15.11 > System Selection > ECM(Engine Control Module)				
Name	Value	Standard Range	Unit	English Metric
Absolute Throttle Position B	14.12	0 - 100	%	
Accelerator Pedal Position D	7.06	0 - 100	%	
Accelerator Pedal Position E	24.71	0 - 100	%	
Accelerator Pedal Position Sensor 1	1.04	0 - 5	V	
Accelerator Pedal Position Sensor 2	0.53	0 - 5	V	
Ambient Air Temperature	21	-40 - 215	degree C	
Ambient Air Temperature Sensor Voltage	1.73	0 - 5	V	
Barometric Pressure	99.5	0 - 117.2	KPa	
Calculated Engine Torque	-13.6	-3276.8 - 3276.8	Nm	
Calculated Load Value	15.69	0 - 100	%	
Clutch Pedal Position	105	0 - 100	%	

Graph Report Record Help



Software One-click Upgrade

Online and intelligent one-click upgrade for software.

- To enjoy better functions and upgrade services, upgrade the software aperiodically.

Software Update 

Upgradeable software(102) Serial Number: 98951000012

All software Common software

Vehicle	Current Version	Update Version	Size
<input checked="" type="checkbox"/> APP application program	V5.02.020	V5.02.021	87.1 MB
<input checked="" type="checkbox"/> Screencast_Application	V1.00.004	V1.00.009	21.7 MB
<input checked="" type="checkbox"/> VIN_RECOGNITION_APP	V1.01.005	V1.01.006	9.2 MB
<input checked="" type="checkbox"/> Aston Martin 		V10.40	1.3 MB
<input checked="" type="checkbox"/> AUDI 		V28.55	47.2 MB
<input checked="" type="checkbox"/> AUST FORD 		V46.68	3.1 MB
<input checked="" type="checkbox"/> AUSTHOLDEN 		V43.40	25.1 MB
<input checked="" type="checkbox"/> BMW 		V50.30	608.2 MB
<input checked="" type="checkbox"/> CHANGCHENG 		V36.03	13.5 MB
<input checked="" type="checkbox"/> CHANGHE 		V20.21	2.9 MB
<input checked="" type="checkbox"/> CHRYSLER 		V32.85	17.2 MB
<input checked="" type="checkbox"/> CITROEN 		V41.60	14.1 MB
<input checked="" type="checkbox"/> DAEWOO 		V27.01	1.3 MB
<input checked="" type="checkbox"/> DAIHATSU 		V20.30	4.3 MB

Refresh Unselect Update



Update 

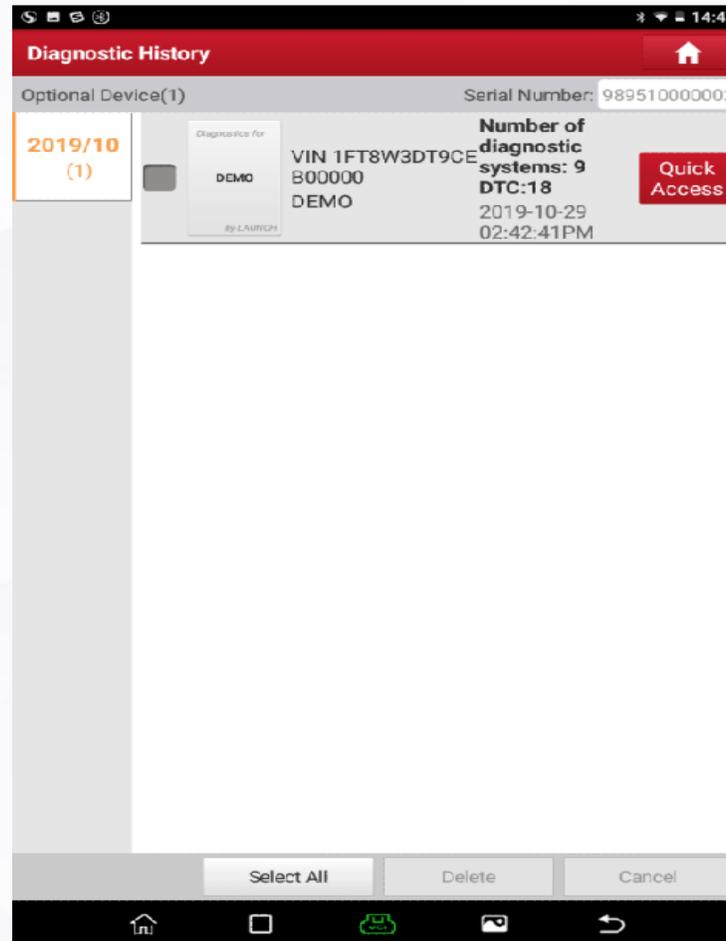
Software Installed(0/102) 14KB/S Serial Number: 98951000012

Name	Version	State
APP application program	V5.02.021	Waiting for downloads
Screencast_Application	V1.00.009	Waiting for downloads
VIN_RECOGNITION_APP	V1.01.005	Downloading
Aston Martin	V10.40	Waiting for downloads
AUDI	V28.55	Waiting for downloads
AUST FORD	V46.68	Waiting for downloads
AUSTHOLDEN	V43.40	Waiting for downloads
BMW	V50.30	Waiting for downloads
CHANGCHENG	V36.03	Waiting for downloads
CHANGHE	V20.21	Waiting for downloads
CHRYSLER	V32.85	Waiting for downloads
CITROEN	V41.60	Waiting for downloads
DAEWOO	V27.01	Waiting for downloads
DAIHATSU	V20.30	Waiting for downloads
DEMO	V15.11	Waiting for downloads

Pause

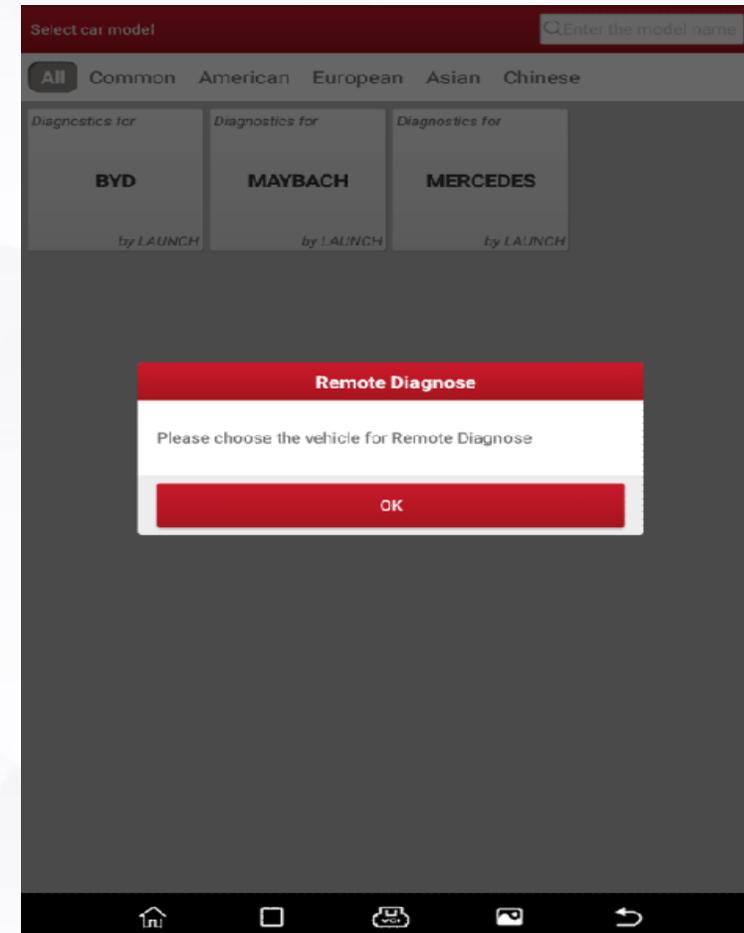
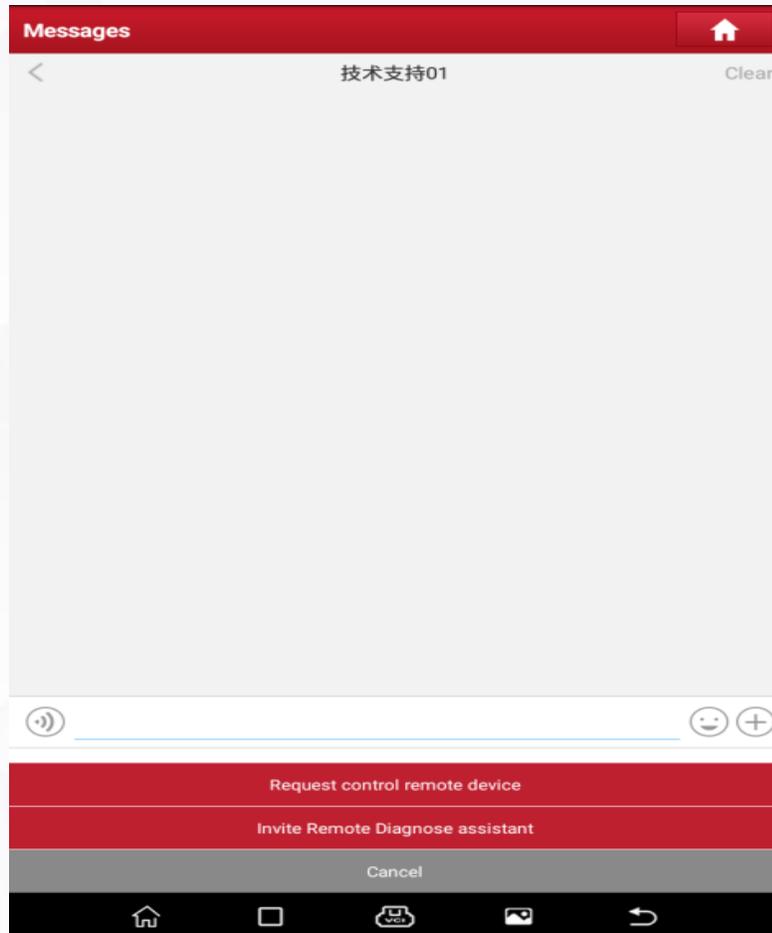
Diagnostic Records

Local historical maintenance records are recorded so that you can view the diagnostic records and easily access the diagnosis system when you want to diagnose the car again.



Remote Diagnosis

Independently-developed remote diagnosis can realize real-time communication between equipment and equipment or between equipment and computer to complete remote diagnosis of vehicles, making it a reality for repair technicians to diagnose vehicles thousands of miles away.



Diagnostic Feedback

If the car model or function is abnormal in the diagnostic process, provide diagnostic logs and describe the problem to Launch. Then, there will be a specialized technician to track and deal with the problem in time.

Feedback

Diagnostics for **BYD** by LAUNCH

Current software version:V18.41
Latest software version:V18.41
Make:FLYER
Model:--
Year:--
VIN:--

1.Choose feedback log **Choose file**

98951000002_FLYER_20191029144624 ✕
98951000002_FLYER_20191029144056 ✕

2.Choose feedback problem type

Consult or error Special functions
 System or function access failed Others

Please provide a detailed description of the problem or screenshots, to help us analyze the problem.

Detailed problem description

* 15338815213

Add image (optional, provide problem screenshot)

Submit Result

Feedback

Serial Number: 989510000002

Vehicle	Feedback Time	Log
FLYER	2019-10-29 14:48:59	FLYER20191029144056
FLYER	2019-10-29 14:48:58	FLYER20191029144624

Done In Process Pending

Feedback **History** Offline-list

Extension Module - Endoscope

Support endoscope extension module. Access the upgrade center, download and install the endoscope program, which can be used with the endoscope hardware.

Software Update ↑

Upgradeable software(3) Serial Number: 989510000002

All software Common software

Vehicle	Current Version	Update Version	Size
<input checked="" type="checkbox"/> APP application program	V5.02.020	V5.02.021	87.1 MB
<input checked="" type="checkbox"/> Screenshot_Application	V1.00.004	V1.00.009	21.7 MB
<input checked="" type="checkbox"/> VIN_RECOGNITION_APP	V1.01.005	V1.01.006	9.2 MB
<input type="checkbox"/> Firmware upgrade Program	V11.75	V11.75	125.0 KB
<input type="checkbox"/> DiagBaseService App	V1.00.007	V1.00.007	1.9 MB
<input type="checkbox"/> DPU Link Manager Services	V1.00.024	V1.00.024	968.0 KB
<input type="checkbox"/> ENDOSCOPE_APP	V1.7	V1.7	3.0 MB
<input type="checkbox"/> License Plate Recognition Application	V1.00.014	V1.00.002	4.5 MB

Refresh Unselect Update

Other Modules ↑

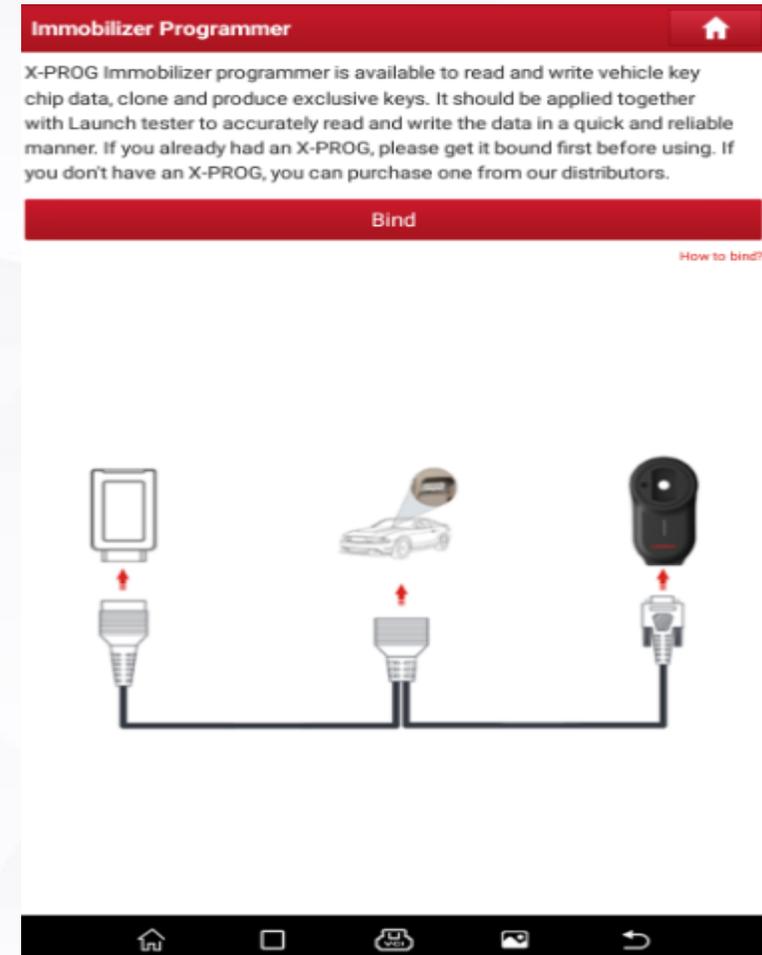
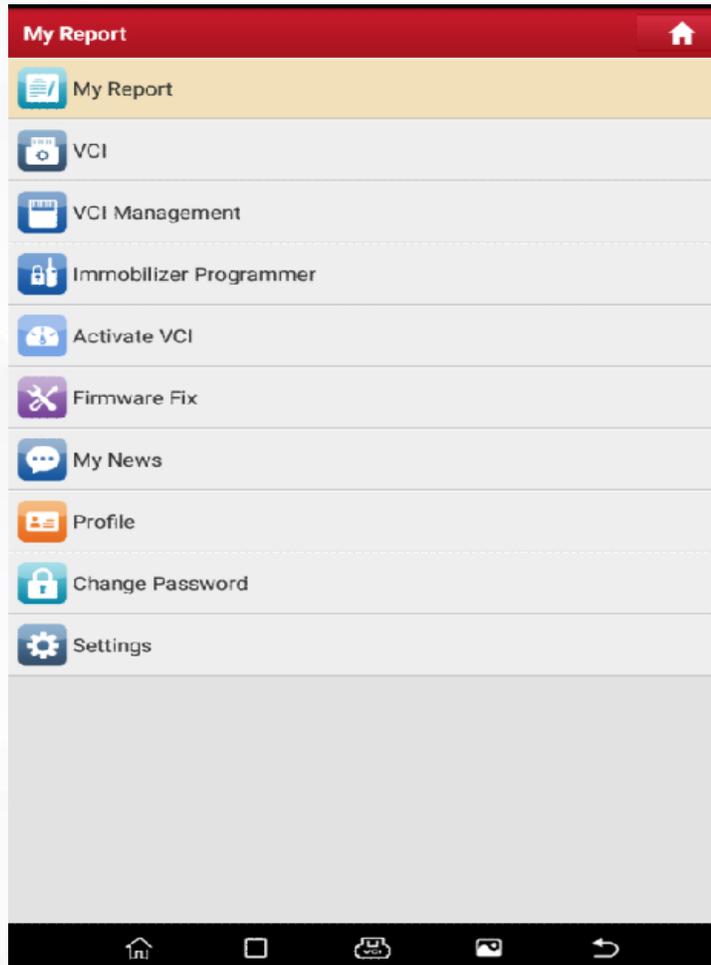
 **Videoscope**

 **Product Manual**

 **FAQ**

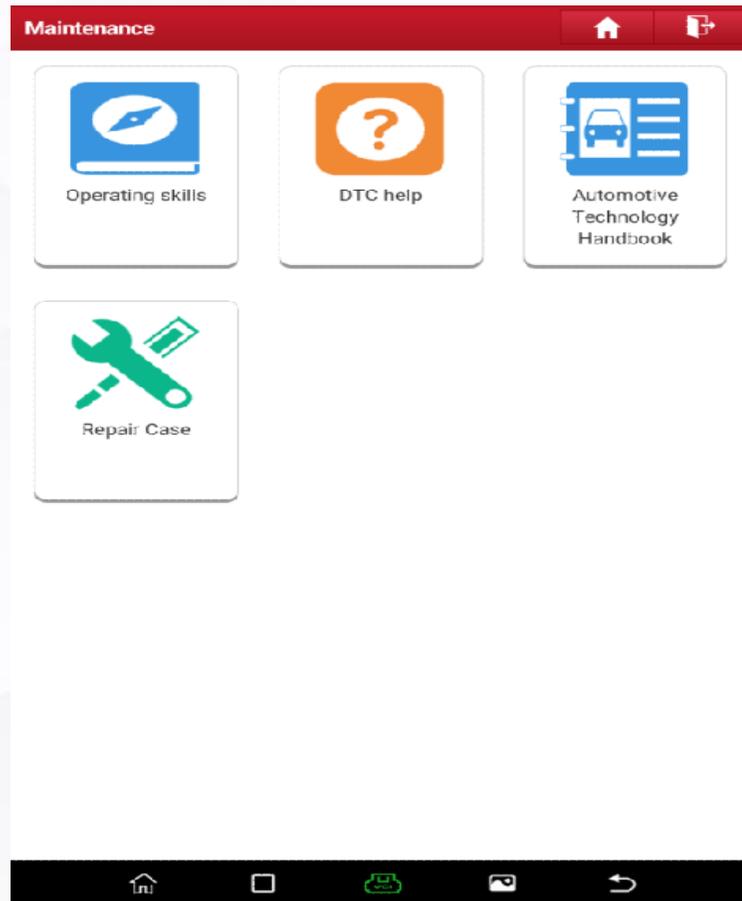
Extension Module - Anti-theft Key Matching

Find the X431 G anti-theft key adapter in the personal center, bind Launch equipment to the X431 G adapter, and download the corresponding program according to the operation instructions.



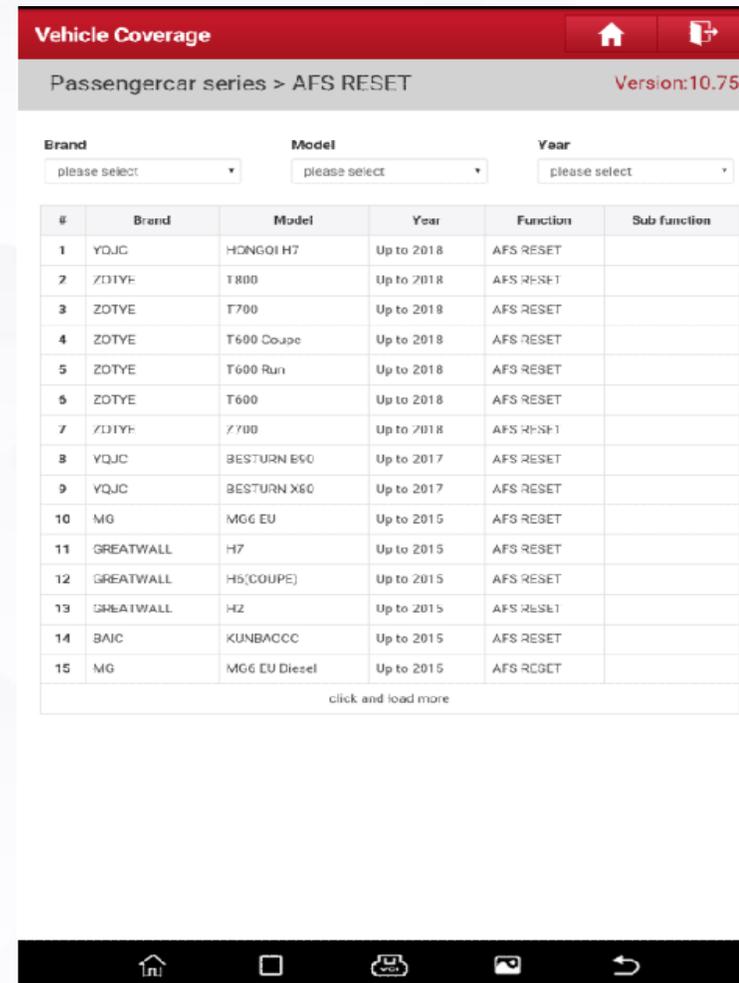
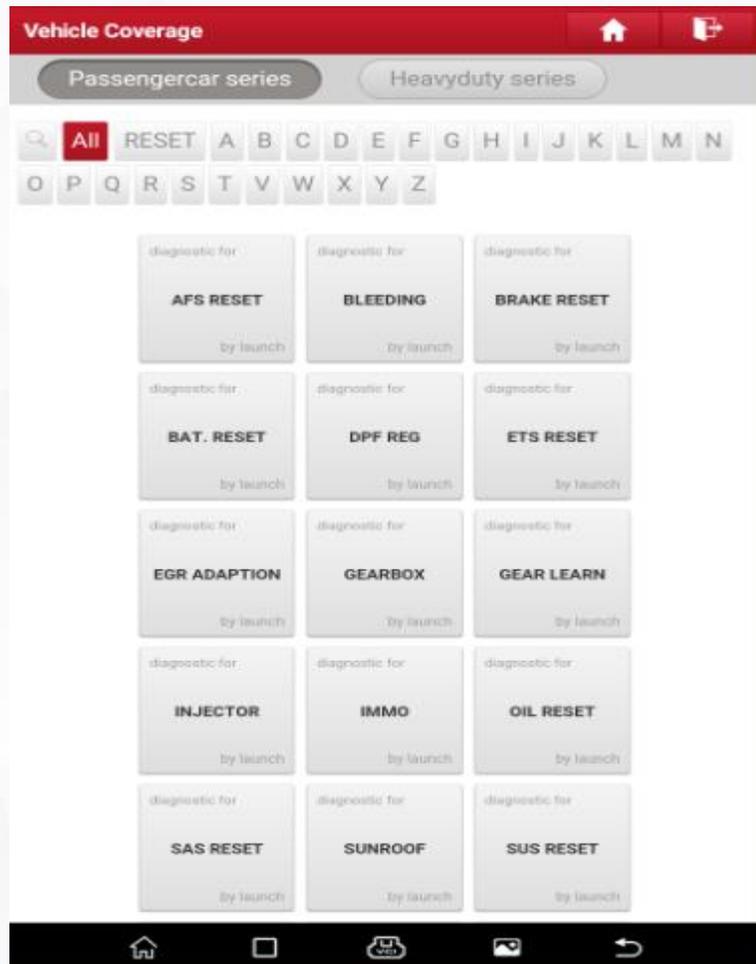
Maintenance Data

Provide an over-10000 GB maintenance database for more than 1600 car models, containing circuit diagrams, maintenance manuals, maintenance cases, operation skills. You can online query the maintenance database at any time. Provide detailed DTC help, so that maintenance technicians can quickly rectify faults and improve diagnostic efficiency.



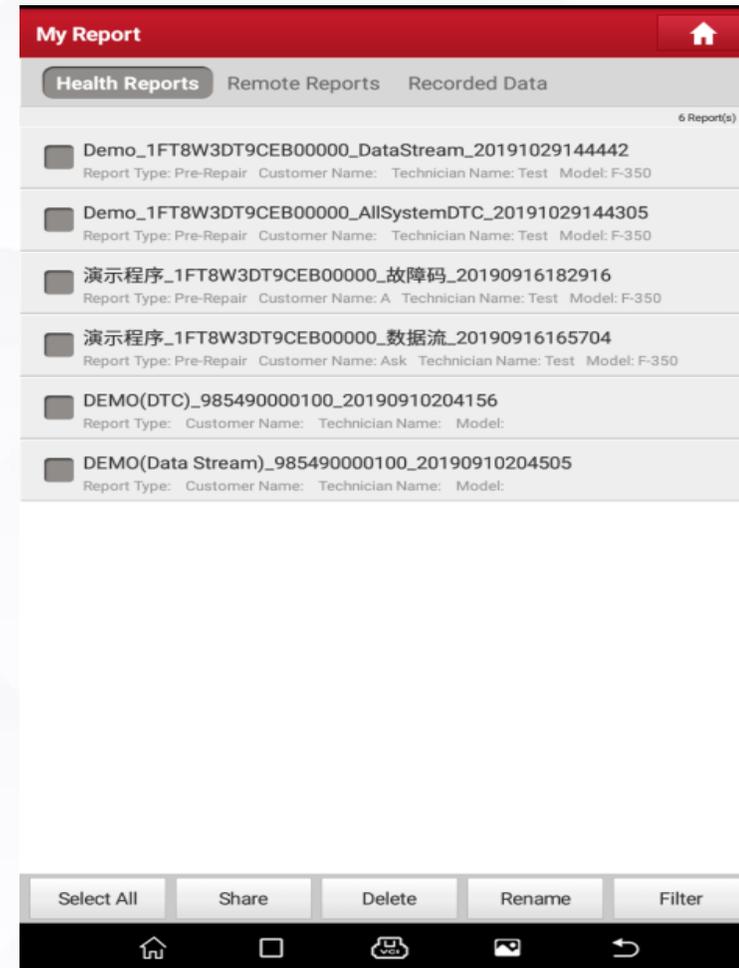
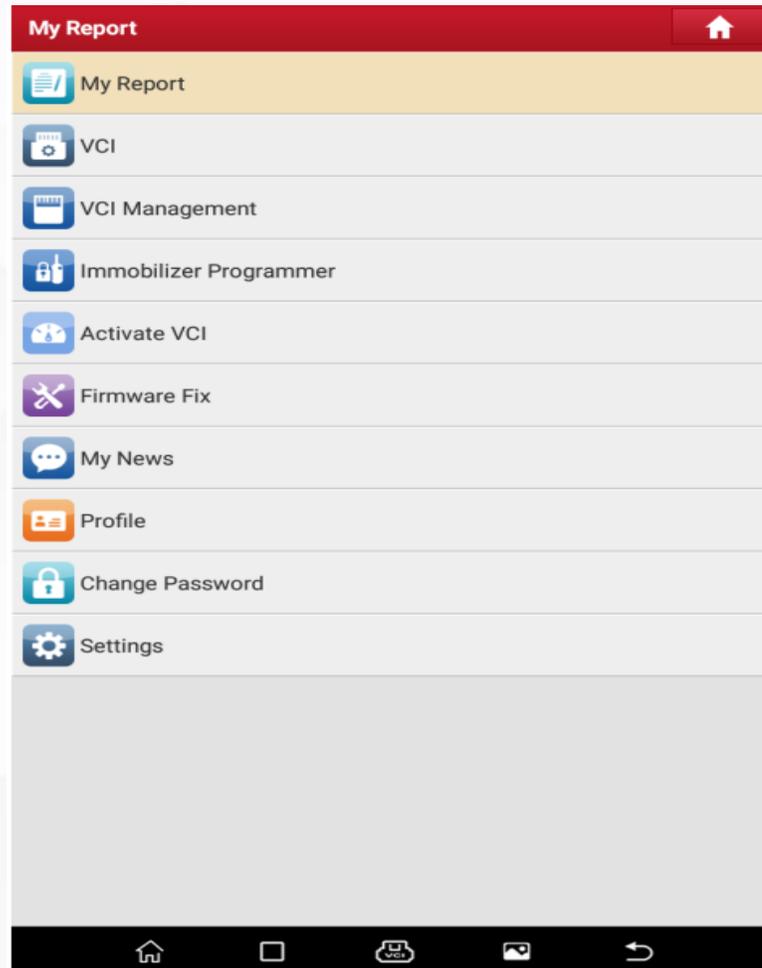
Testable Car Models

Provide various brands of testable car models, model years, systems, and functions for query.



Personal Center

Personal data center, containing My Report, VCI, VCI Management, Activate VCI, Firmware Fix, My News, Change Password, Settings, etc.



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Thank you for watching.

Prepared by IT Department