



# Product Introduction

## *X-431 Euro Tab II*

**LAUNCH** Europe

## *Introduction*

X-431 Euro Tab II is a high-end comprehensive diagnostic tool with charging base newly developed on the basis of Android 7.1 with new features such as DOIP, J2534 pass-through online programming, DCT-based database, intelligent diagnosis, etc. Also it inherits all the excellent functions of the previous generation like wide vehicle model coverage, powerful diagnostic functions, and accurate test data. It supports dual 5GHz Wi-Fi communication, and has Protection level IP65.

Particularly worth mentioning is its new Connector Smartbox3.0. This new generation intelligent diagnostic box with Linux system independently developed by Launch, which supports multiple communication modes (USB, BT, WIFI), DoIP and multiple diagnostic protocols(including J2534).

## Tablet Information

- OS: Android 7.1
- CPU: 2.0 GHz 8 Cores
- Internal Memory: 4GB
- Battery: 9360mAh
- Screen: 10.1" Capacitive Touch Screen
- Resolution: 1920x1200
- Storage: 64GB, support TF card up to 128GB
- Working Temp.: -10°C ~ 50°C
- Camera: Rear 13 Megapixel, Front 8 Megapixel
- Dimension: 320 × 211 × 46mm



## Industrial-level design



IP 65:

Dust tight and protected against water jets from any direction.

Dimension: 320 × 211 × 46mm

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## *Smartbox3.0 Information*

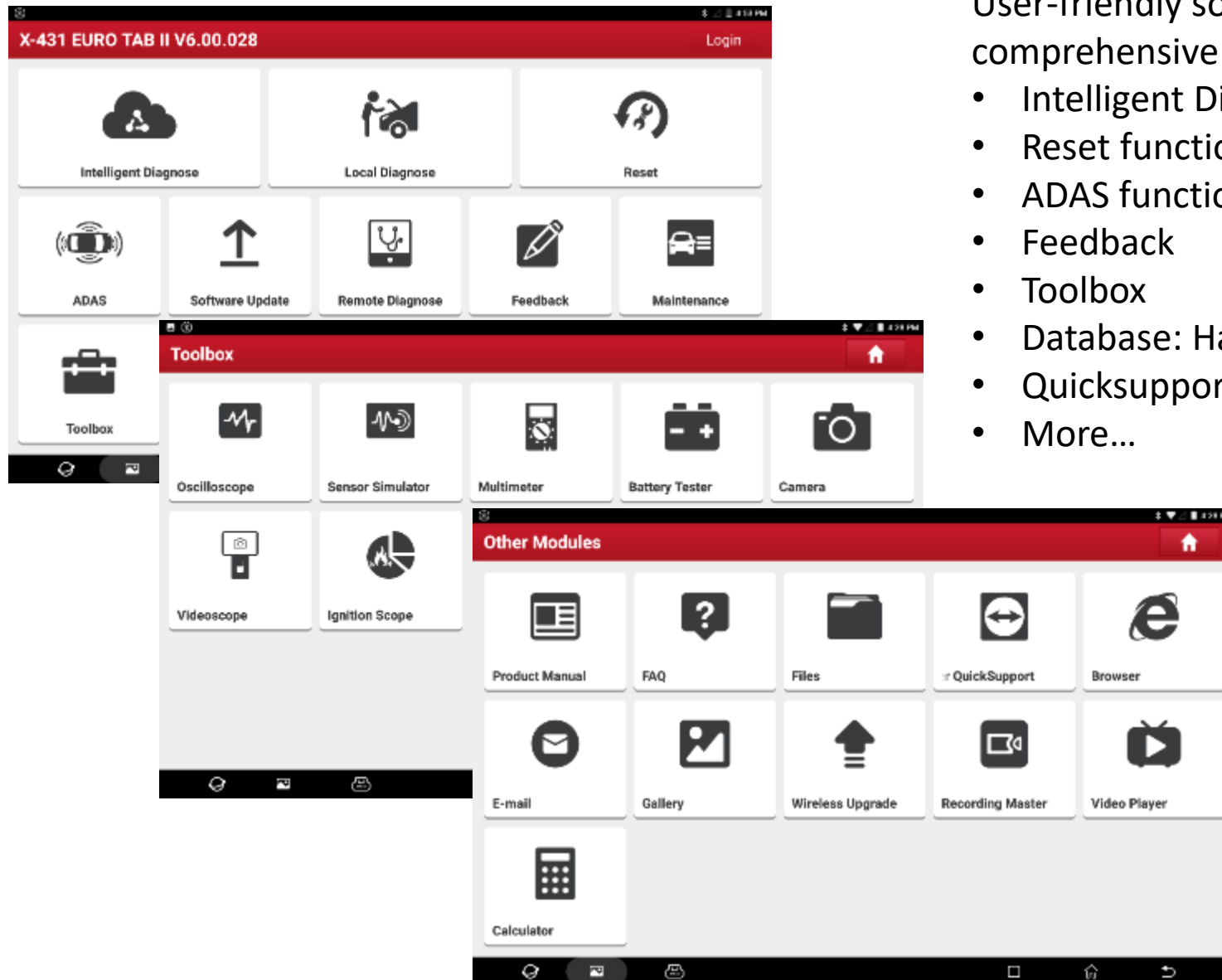
- Dual processor: Cortex – A7 + Cortex – M7
- System: Linux
- Memory: 256M
- Storage: 8GB
- Power supply: DC 9 ~ 36V
- USB: Type B USB 2.0
- Bluetooth: BLE 4.0 + EDR
- WIFI: Support 2.4GHz/5GHz dual-band
- Indicator lamp: 5 multifunction indicator lamps
- Vehicle connection: J1962 16PIN



## *Smartbox3.0 Features*

- Support programmable control access and disconnection of CAN system
- Support both passenger car and HD communication protocol
- Support WIFI communication in different channels such as 2.4G and 5G
- Support random switching between WIFI hotspot mode and network card mode
- Support Bluetooth 4.0
- Support USB three communication modes: USB BULK, USB to serial port, USB to Ethernet
- Support 12V and 24V system
- Support SAE J2534-1 and SAE J2534-2
- Support RP1210/C
- Support online upgrade

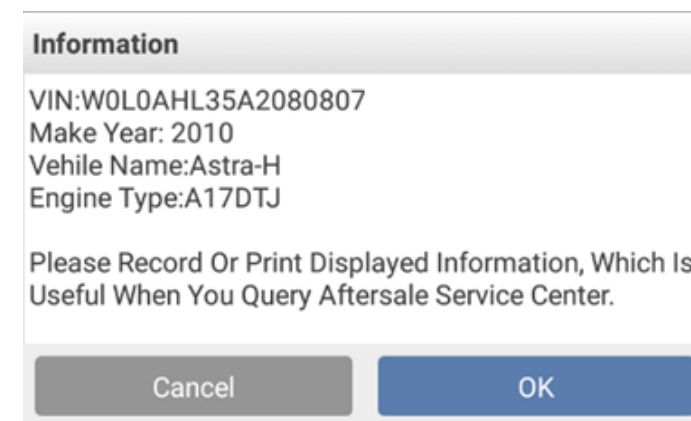
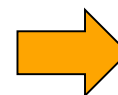
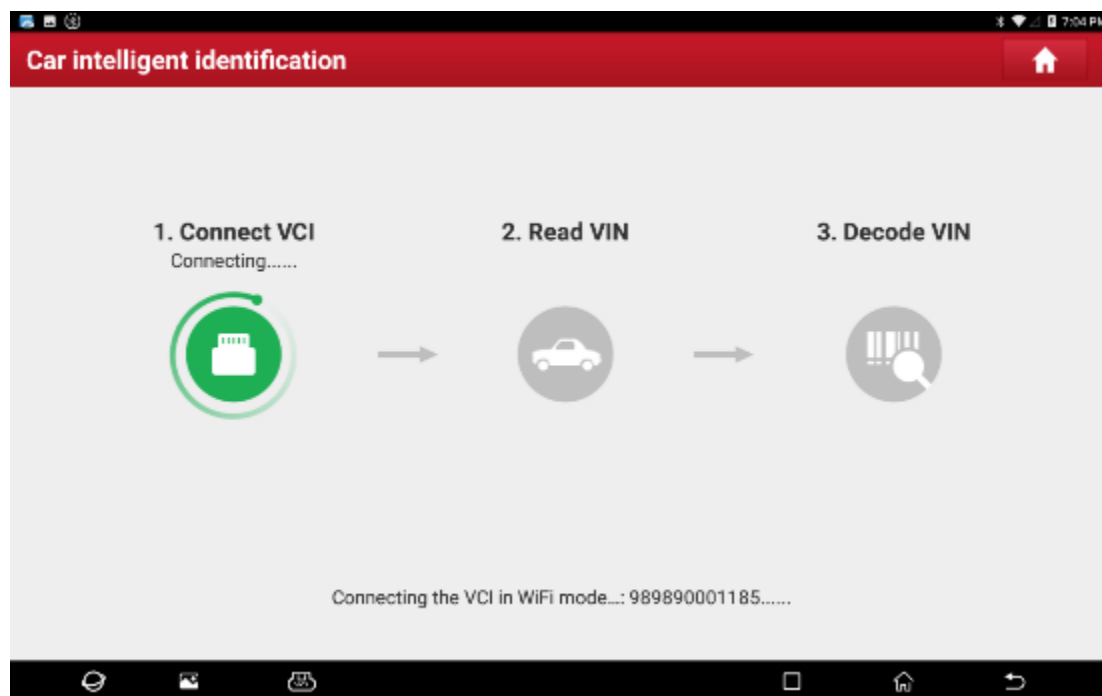
# Software



User-friendly software interface with comprehensive functions:

- Intelligent Diagnose for 70+ car make
- Reset functions
- ADAS function
- Feedback
- Toolbox
- Database: HaynesPro
- Quicksupport
- More...

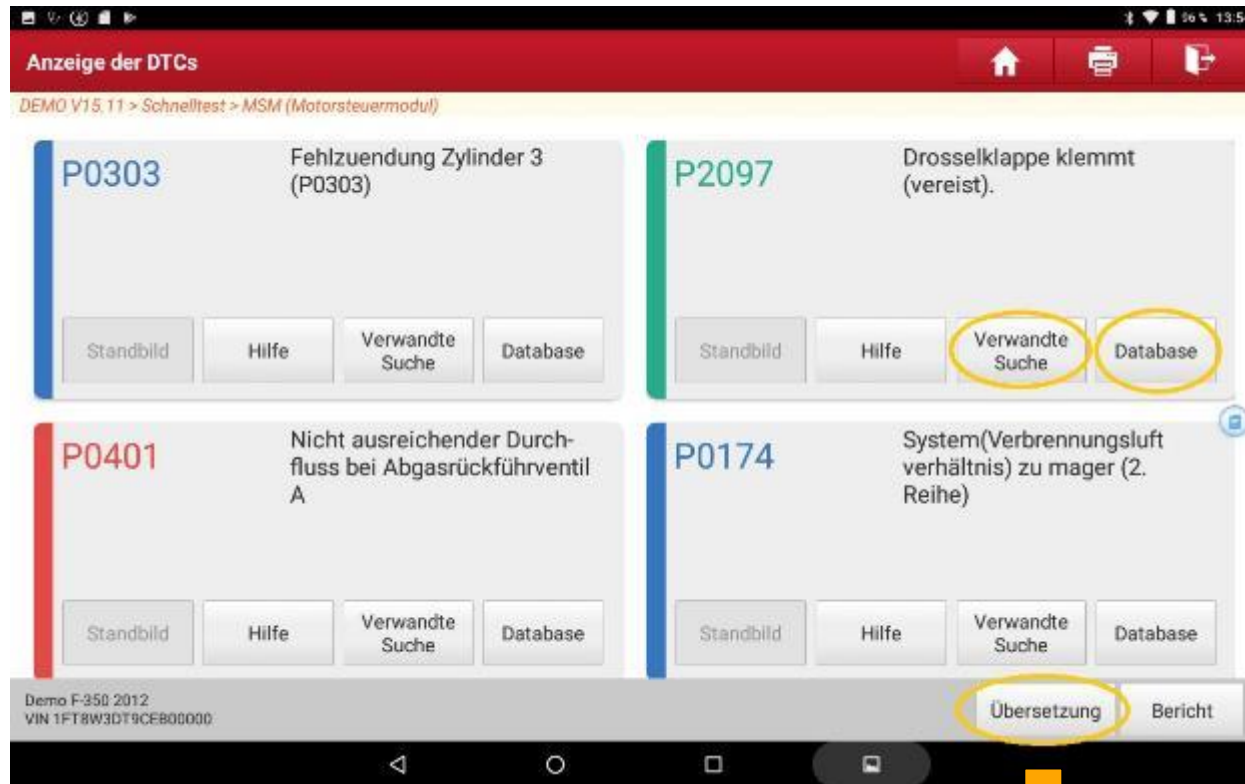
## Intelligent Diagnose



The vehicle model, manufacture year can be found automatically through the VIN number. This function is more convenient than manual selection.

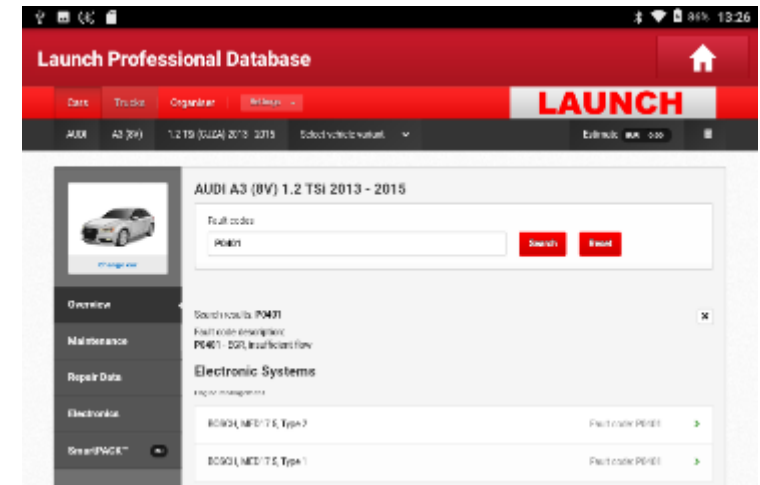


## DTC reading, translation and solution-search

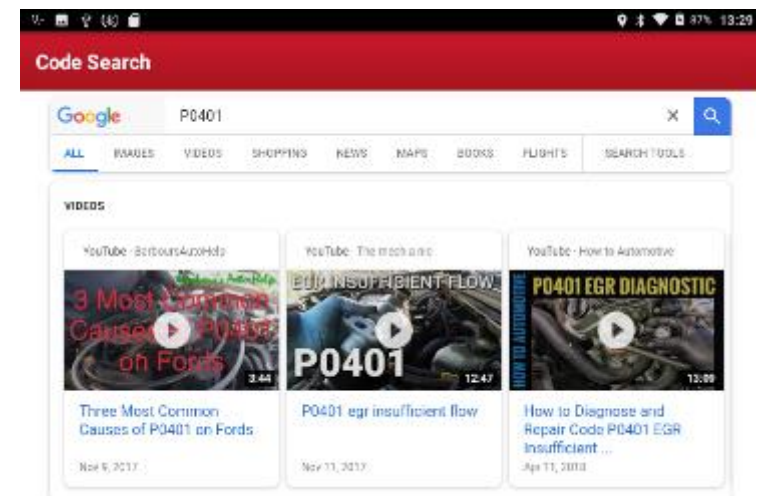


- Translating the DTC to your local language, with just one click.

- Search the solution in HaynesPro



- Search the solution on Google



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## Solution by Guided Diagnosis Process

HaynesPro's DTC-based electronic data is integrated in X-431 Euro Tab II software, which will guide user from DTC reading, to the step-by-step testing, and to the final solution. This working method will save mechanic a lot working time and increase the efficiency.

**1: Check the supply voltage (pin 2).**

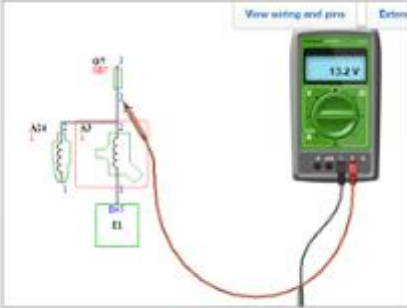
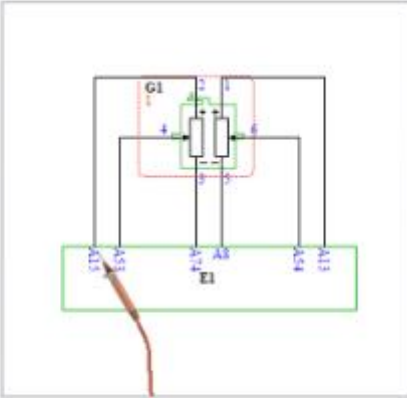
**2: Check the connection to ground (pin 3).**

**3: Check the supply voltage (pin 1).**

Turn the ignition on. Measure the voltage on pin 1. Is it between 4.8 and 5.2 V?

Turn the ignition on. Measure the voltage on pin A 13 (E1 Engine control unit). Is it between 4.8 and 5.2 V?

Measure the resistance between pins 1 and A 13 (E1 Engine control unit). The resistance should be less than 1 ohm. Check all wires and replace if necessary.

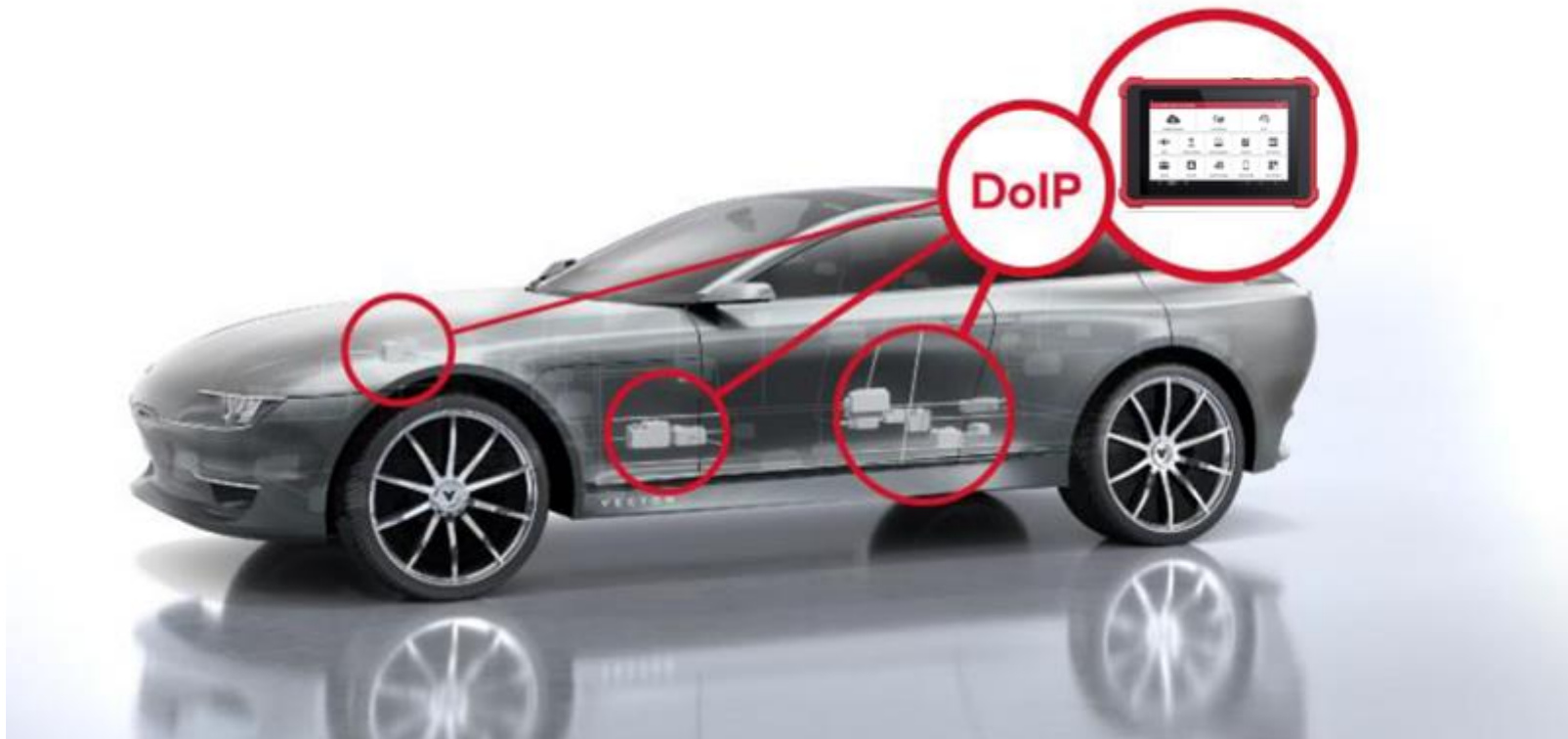
Pin number	Wire colour	Component
1	Brown/Blue	E1 Engine control unit
2	Grey/Violet	A24 Fuel metering solenoid
2	Grey/Violet	O7 Fuse SB7

### Features:

- Fuse and relay box locations and overview
- Wiring diagrams for engine management, ABS, ESP and air conditioning, door locks, windows, airbags, exterior lights,
- Component locations and information
- Fault codes (manufacturer and EOBD)
- Ground point locations
- EOBD connector location
- Control unit locations
- Battery disconnection/reconnection procedures
- High-voltage circuit deactivation procedures
- Highlight functionality to trace corresponding wires and components

## *DoIP function*

Smartbox 3.0 supports DoIP function, Software switches to the DoIP mode automatically for the vehicle which needs to be diagnosed over internet protocol. There are no extra operating steps for the user to do DoIP with Euro Tab 2.



## *P2P remote diagnosis function*

Remote diagnosis with another X-431 product: Let another professional technician help you to diagnose unfamiliar vehicle type.



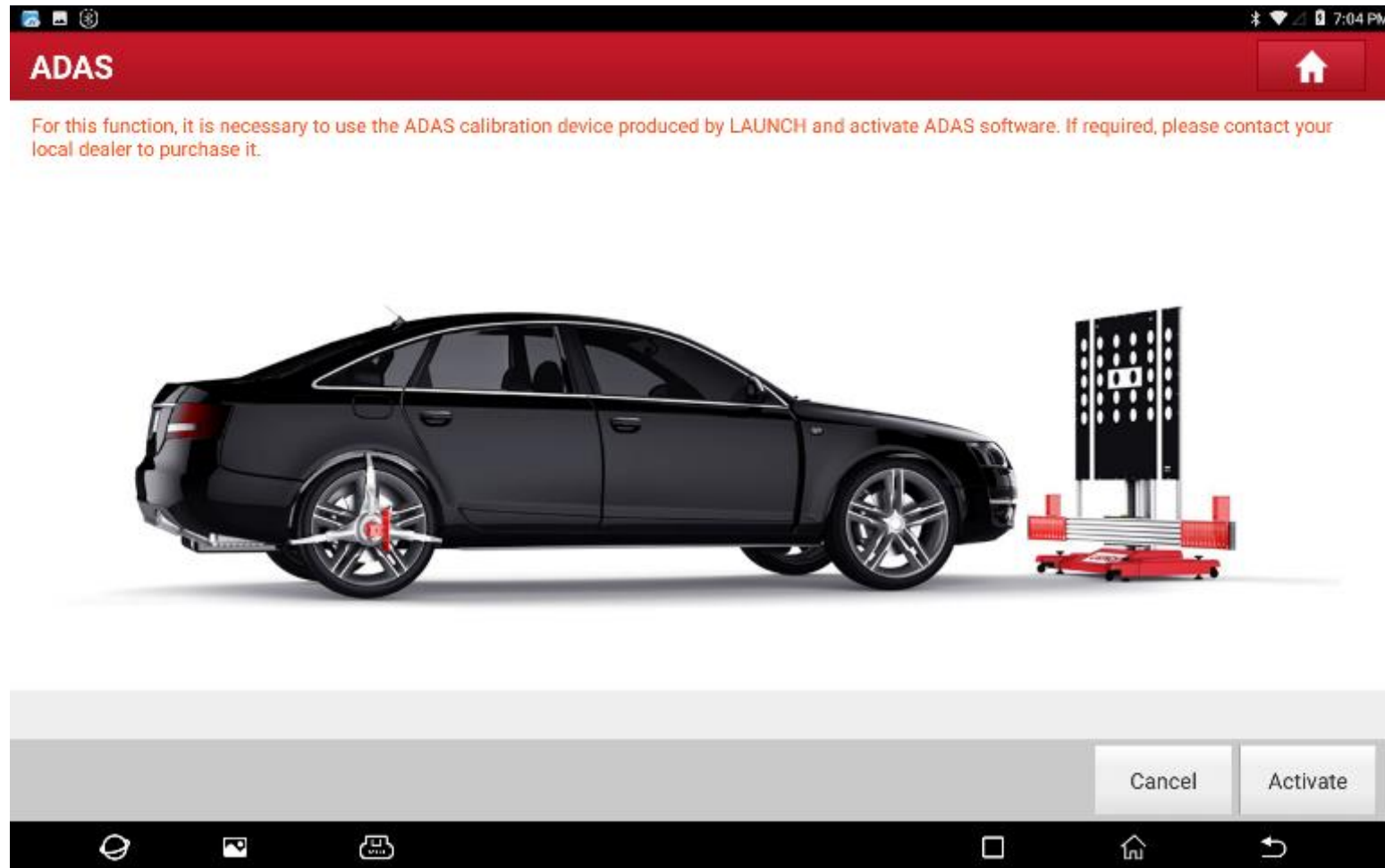
## *J2534 Pass-through intergrated for online programming*

The use of J2534 functions requires users to download the corresponding tool installation package on Launch's official website. Users can purchase the diagnostic software of the original factory and use them together.

No.	J2534 Original Software
1	Toyota/Lexus original software Techstream test
2	GM original software General Motors GDS2 test
3	Honda/Acura original software HDS (Honda Diagnostic System) test
4	Volkswagen/Audi original software ODIS test Offboard Diagnostic Interface Configuration
5	Land rover/Jaguar RandLover/JLR original software SDD test
6	VOLVO original software VIDA test Vehicle Information & Diagnostics For Aftersales
7	Subaru original software SSM4 test

## ADAS Function (with Launch ADAS Pro)

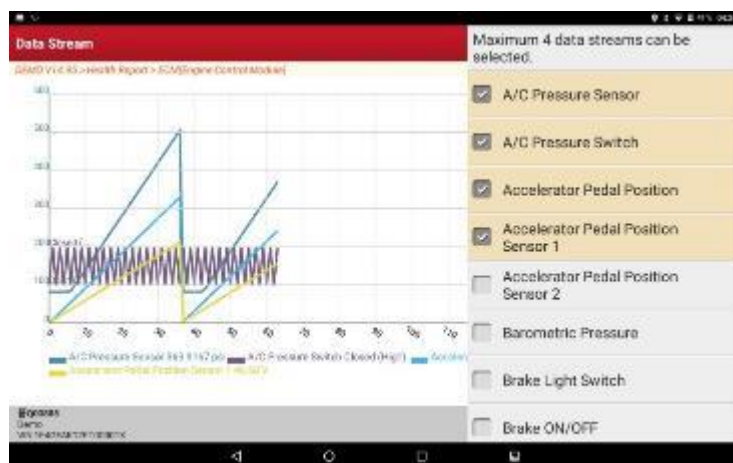
ADAS software integrated. No additional software cost for ADAS calibration.



## Showing data stream in different formats

Data Stream				
DEMO V14.95 > Health Report > ECM(Engine Control Module)				
Name	Value	Standard Range	Unit	
A/C Pressure Sensor	361.9185	0.0 - 145.0	psi	
A/C Pressure Switch	Closed (High)			
Accelerator Pedal Position	70.98	0-100	%	
Accelerator Pedal Position Sensor 1	45.68	0-5	V	

Standard range and actual value



Diagram



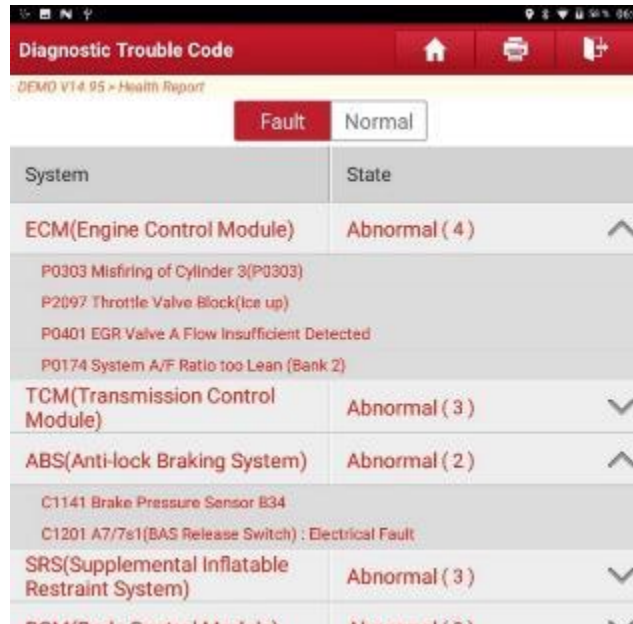
Data recording

## Clear Diagnostic Report

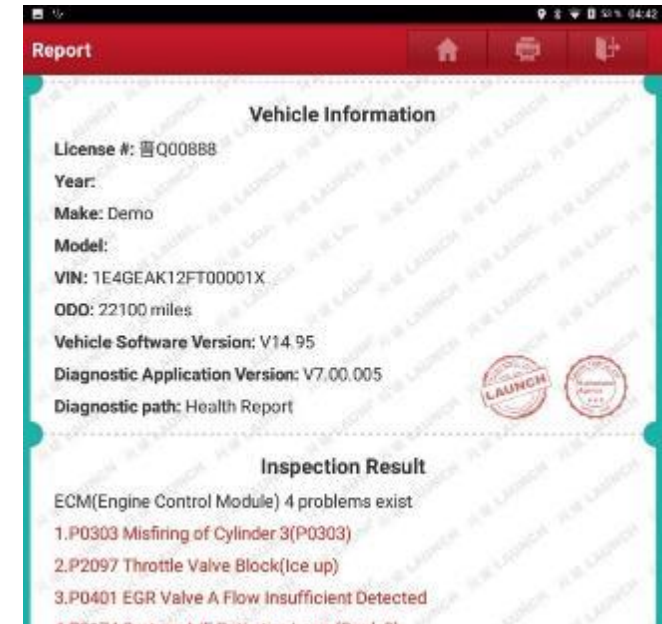
- Show DTC status of each ECU
- Save as screenshot and PDF file
- Easy to print or share



System Name	Result
ECM(Engine Control Module)	Fault 4
TCM(Transmission Control Module)	Fault 3
ABS(Anti-lock Braking System)	Fault 2
SRS(Supplemental Inflatable Restraint System)	Fault 3
BCM(Body Control Module)	Fault 3
IMM(Immobilizer)	Fault 3
BMS(Battery Manager System)	OK
TPMS(Tire Pressure Monitoring System)	Fault 2
SAS(Steering Angle System)	Fault 3



System	State
ECM(Engine Control Module)	Abnormal ( 4 )
P0303 Misfiring of Cylinder 3(P0303) P2097 Throttle Valve Block(Ice up) P0401 EGR Valve A Flow Insufficient Detected P0174 System A/F Ratio too Lean (Bank 2)	
TCM(Transmission Control Module)	Abnormal ( 3 )
ABS(Anti-lock Braking System)	Abnormal ( 2 )
C1141 Brake Pressure Sensor B34 C1201 A7/7s1(BAS Release Switch) : Electrical Fault	
SRS(Supplemental Inflatable Restraint System)	Abnormal ( 3 )



Vehicle Information	
License #:	晋Q008B8
Year:	
Make:	Demo
Model:	
VIN:	1E4GEAK12FT00001X
ODO:	22100 miles
Vehicle Software Version:	V14.95
Diagnostic Application Version:	V7.00.005
Diagnostic path:	Health Report

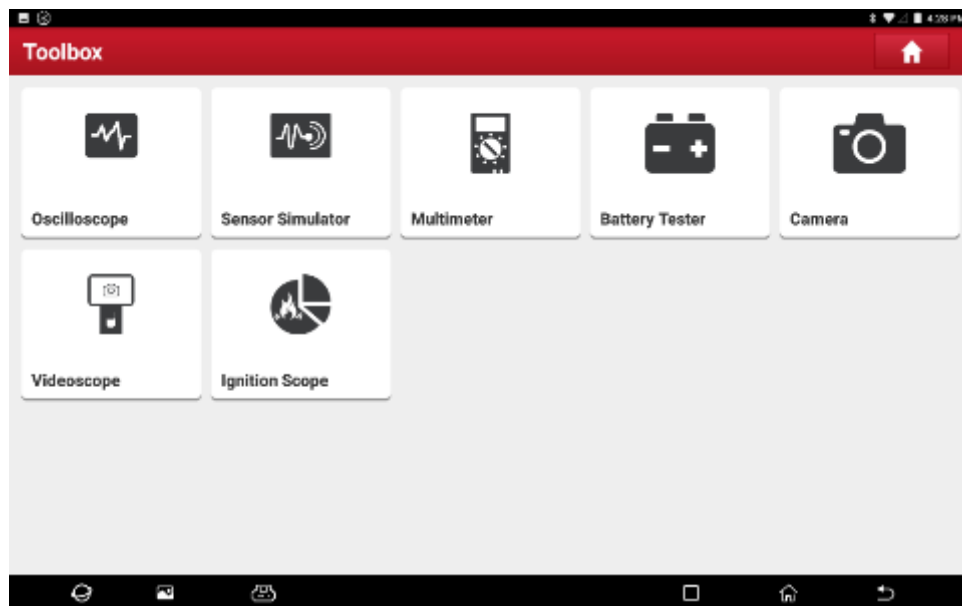
Inspection Result	
ECM(Engine Control Module) 4 problems exist	
1.P0303 Misfiring of Cylinder 3(P0303)	
2.P2097 Throttle Valve Block(Ice up)	
3.P0401 EGR Valve A Flow Insufficient Detected	



## *Included connectors*

1	Smartbox 3.0 connector-16 PIN OBDII	15	NISSAN-14+16
2	BENZ-38	16	SSANGYONG-14
3	DAEWOO-12	17	SSANGYONG-20
4	AUDI-4	18	SUBARU-9
5	BENZ-14	19	TOYOTA-17
6	BMW-20	20	TOYOTA-22
7	CHRYSLER-6	21	UNIVERSAL-3
8	FIAT-3		
9	FORD-6+1		
10	GM/VAZ-12		
11	HONDA-3		
12	KIA-20		
13	MAZDA-17		
14	MITSUBISHI/HYUNDAI-12+16		

## Optional Accessories (extendable function)



Modules like oscilloscope box, sensor box and endoscope are optional, which help the mechanics diagnose the vehicle more professionally, thus to locate the fault in a shorter time.



## Support HD Software for Truck (optional)



X-431 Euro Tab II

+



HD Pack purchase



Truck Diagnose

### Europe



### Asia





### USA



**No need extra HD-box.**

## Compare with X-431 Euro Tab

Item	X-431 Euro Tab II	X-431 Euro Tab
Picture		
System	<b>Android 7.1</b>	Android 5.1.1
Screen	10.1 inch full-fitting, sunlight readable screen (Gorilla Glass)	10.1 inch screen
Cache	<b>4GB</b>	2GB
DoIP	<b>Supported (switched automatically)</b>	Partial supported
J2534	<b>Supported</b>	
IP 65	<b>Supported</b>	
Fast Charging	<b>Supported</b>	
Communication	<b>Wi-Fi (Support 2.4GHz&amp;5GHz)</b>	Wi-Fi

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