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LAUNCH LAUNCH X431 PRO ELITE

LAUNCH X431 PRO Elite OBD2 Scanner User Manual

Model: LAUNCH X431 PRO ELITE
Brand: LAUNCH

1. INTRODUCTION

The LAUNCH X431 PRO Elite is a professional, all-in-one automotive diagnostic scan tool designed for comprehensive vehicle analysis and maintenance. This 2025 upgraded model features optimized hardware for faster and more stable diagnoses, offering a wide range of functionalities including ECU coding, bi-directional control, and over 38 reset services. It supports advanced protocols like CANFD and DoIP, and includes FCA Autoauth for secure access to modern vehicle systems.



Image 1.1: The LAUNCH X431 PRO Elite diagnostic tablet, showcasing its robust design and user interface.

2. WHAT'S IN THE BOX

Verify that all components are present upon unboxing:

- LAUNCH X431 PRO ELITE OBD2 Scanner Display Tablet x 1
- Diagnostic Cable x 1
- Type-A to Type-C USB Cable x 1
- Power Adaptor x 1
- Switching Adaptor x 2
- Multilingual Quick Start Guide x 1
- Manual x 1 (This document)
- Password Envelope x 1

- Packing List x 1
- Packing Suitcase x 1

3. SETUP AND INITIAL CONFIGURATION

3.1 Powering On and Network Connection

To begin, ensure the device is fully charged using the provided power adapter. Press and hold the power button to turn on the tablet. Upon first boot, you will be guided through the initial setup process, including language selection and Wi-Fi network configuration. A stable internet connection is crucial for software updates and online functions.

2025 UPGRADE UNPARAL LELED HARDWARE

Experience the Most User-friendliness.



Android 10.0	4GB RAM +64GB ROM	TYPE A/C	2.0Ghz Quad-Core
6000mAh	Rear-facing 8.0MP camera	Built-in Speakers and Microphone	Google browser
8" Touch Screen (1024*800)	Open Source Android OS	Gesture	Adjustable Kickstand

25+ Languages Free to use, No extra Cost.

English	French	Spanish	German	Russian	Korean	Japanese	Thai	Serbian
Portuguese	Italian	Polish	Dutch	Hungarian	Finnish	Simplified Chinese	Turkey	Traditional Chinese
Swedish	Czech	Turkish	Greek	Arabic	Danish Persian	Romanian		

Image 3.1: Overview of the X431 PRO Elite's hardware features and multi-language support.

3.2 Software Updates

Regular software updates are essential to ensure optimal performance, expand vehicle coverage, and introduce new features. Connect the device to a stable Wi-Fi network and navigate to the "Software Update" section on the main menu. Follow the on-screen prompts to download and install available updates.

4. OPERATING THE LAUNCH X431 PRO ELITE

4.1 OE-Level All System Diagnostics

The X431 PRO Elite provides comprehensive diagnostic capabilities across all vehicle systems, including engine, transmission, airbag, ABS, body, brake, chassis, powertrain, fuel, and lights. This allows for reading/clearing diagnostic trouble codes (DTCs), viewing live data streams, freeze frame data, and performing actuation tests.

2025 OE-Level All Systems Diagnostics Scan Tool



- ◆ INJECTOR System
- ◆ DPF System
- ◆ EPB System
- ◆ THROTTLE System
- ◆ TRANSITION System
- ◆ TPMS System
- ◆ DOOR System
- ◆ LANGUAGE System
- ◆ HEADLAMP
- more...

- Read Codes
- Live Data
- O2 Sensor Test
- DTC Lookup
- EVAP System Test
- On-board Monitors Test

38+ SERVICE FUNCTIONS



- ◆ Headlight
- ◆ Gearbox Match
- ◆ Cylinder
- ◆ Disable Transport Mode
- ◆ Electronic Pump
- ◆ Instrument Cluster
- ◆ Windows Initialization
- ◆ Seat Configurations
- ◆ Suspension
- ◆ EEPROM Adapter
- ◆ Performance Tire Upgrade
- ◆ A/F Reset
- more...



Image 4.1: Illustration of the comprehensive OE-Level All Systems Diagnostics and various service functions.

4.2 Bi-directional Control / Active Test

This function allows the diagnostic tool to send commands to vehicle ECUs to perform specific tests and functions, enabling technicians to quickly pinpoint faulty components. Examples include turning the fuel pump on/off, cycling the A/C clutch, and performing oil pressure control tests.

Bi-directional Control/Active Test

- Fuel Pump Test
- Injector Buzz Test
- Activate Radiator Fan
- Cooling Fan Test
- Modulate the Throttle

- Tun on\off Lights
- ABS Motor Pump
- IMRC Test
- A/C Clutch
- Open\Close Windows/Doors/Door/Wipers

Command
Receive

ECU CODING (ONLINE CODING)

- Write a VIN to the ECU
- Renew ECUs Coordination
- Improve Fuel Efficiency
- Perform a Transmission Quick Relearn
- Reduce Power Loss
- Improve the Durability of Mechanical Parts

Image 4.2: Visual representation of bi-directional control capabilities and ECU coding options.

4.3 ECU Coding (Online/Offline)

The X431 PRO Elite supports advanced ECU coding for various vehicle brands (e.g., BMW, MINI, Citroen, Renault, Audi, VW, Benz). This allows for replacing/recoding new modules, flashing hidden functions (e.g., auto start-stop, folding mirrors), retrofitting new components (e.g., fog lights, TPMS), and modifying values for personalized settings.

4.4 Reset Services (38+)

The tool offers over 38 common reset and maintenance services, facilitating efficient vehicle servicing. These include, but are not limited to:

- ABS Bleeding
- Oil Reset

- SAS (Steering Angle Sensor) Reset
- Injector Coding
- BMS (Battery Management System) Reset
- EPB (Electronic Parking Brake) Reset
- Tyre Reset (TPMS)
- AFS (Adaptive Front-lighting System) Reset
- Language Change
- A/F (Air/Fuel) Reset
- Coolant Bleed
- Throttle Relearn
- Windows/Seats Calibration
- Transport Mode
- Adblue Reset
- NOx Sensor Reset
- Stop/Start Reset

4.5 FCA Autoauth Access

The LAUNCH X431 PRO Elite supports FCA Autoauth, providing authorized secure gateway access for Chrysler, Dodge, Jeep, and Fiat vehicles manufactured from 2017 onwards. This allows for full diagnostic and special function capabilities on these models.

Your browser does not support the video tag.

Video 4.5.1: A demonstration of how to register and activate FCA Autoauth with a LAUNCH product, enabling full diagnostic access to compatible FCA vehicles.

V.A.G GUIDED FUNCTIONS GUIDANCE

Simplify Complex Repair Jobs



FCA AUTOAUTH ACCESS

Immediate Authorized Secure Gateway Access



EXPERT-LEVEL REPAIR ASSISTANCE

Full Tech Support With Reach

 **Repair Information**

 **DTC Google Search**

 **Automotive Technology**

 **Online Maintenance Database**

 **Operating Skills&Repair Case**

 **DTC Help&Repair Tips**

 **I/M Instant Messaging**

 **7/24 Online Feedback**

 **Remote Diagnosis**

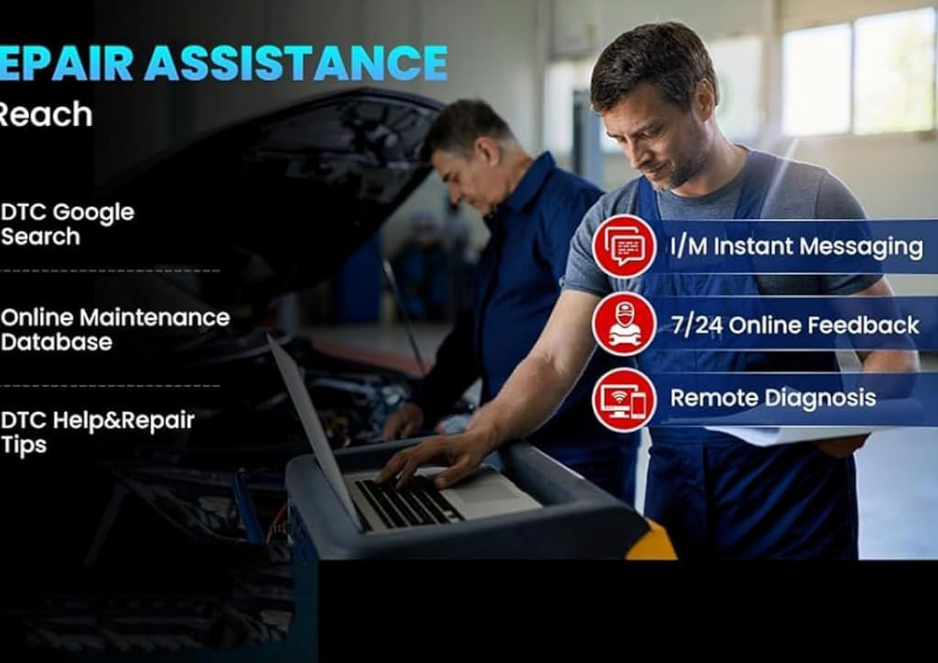


Image 4.5: Visual guide for V.A.G Guided Functions and FCA Autoauth access.

4.6 Extended Module Support

The X431 PRO Elite can be expanded with various optional modules to enhance its capabilities, including Oscilloscope, Sensor Simulator, Multimeter, WiFi Printer, Endoscope, TPMS, ADAS, and Battery Tester modules.

EXTEND MODULES, EXTEND CAPABILITIES

Maximize your Efficiency and Profitability.



ADAS (Calibration):

Calibrate driver assistance systems



TSGUN:

Activate, relearn & program LAUNCH sensors



Oscilloscope:

Diagnose and simulate vehicle sensor faults quickly



BST360 (Battery Tester):

Fix battery detection faster and easier



S2-2 Sensor box:

Diagnose and simulator vehicle sensor faults quickly and conveniently



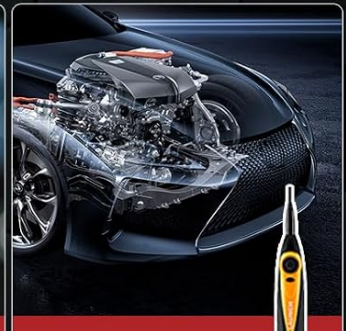
S2-2 Multimeter:

Measure the physical parameters such as voltage, resistance, frequency etc.



X-PROG 3 Immobilizer Programmer:

Work for key programming & IMMO



Videoscope:

Check those unseen parts of engine, fuel tank, braking system

Image 4.6: Illustration of various extended modules that can be connected to the X431 PRO Elite to expand its diagnostic and testing functionalities.

5. MAINTENANCE

5.1 Cleaning the Device

Regularly clean the display screen and exterior of the device with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the surface. Ensure all ports are free of dust and debris.

5.2 Battery Care

The device is equipped with a Lithium Ion battery. To prolong battery life, avoid extreme temperatures and do not allow the battery to fully discharge for extended periods. Charge the device regularly, even when not in use.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery; Power adapter issue.	Charge the device for at least 30 minutes. Verify power adapter connection.
Unable to connect to vehicle.	Diagnostic cable not properly connected; Vehicle ignition off; Faulty OBD-II port.	Ensure diagnostic cable is securely connected to both the device and the vehicle's OBD-II port. Turn vehicle ignition to ON position. Check vehicle's OBD-II port for damage.
Software update fails.	Unstable Wi-Fi connection; Insufficient storage space.	Ensure a strong and stable Wi-Fi connection. Clear unnecessary files to free up storage space. Restart the device and try again.
FCA Autoauth login failed.	Incorrect credentials; No active Autoauth account; Network issue.	Verify username and password. Ensure your Autoauth account is active and has the necessary permissions. Check network connection. Refer to the Autoauth website for account management.

7. SPECIFICATIONS

Brand: LAUNCH

Model: LAUNCH X431 PRO ELITE

Operating System: Android 10.0

Display Resolution: 1024x800 LCD Capacitive Touch Screen

Automotive Fit Type: Universal Fit

Item Weight: 7.93 pounds

Product Dimensions: 13.77 x 13.46 x 6.18 inches

Batteries: 1 Lithium Ion battery required (included)

UPC: 884508007613

8. WARRANTY AND SUPPORT

8.1 Software Updates

The LAUNCH X431 PRO Elite includes 2 years of free software updates from the date of purchase. Regular updates provide access to the latest vehicle models, diagnostic functions, and performance enhancements.

8.2 Technical Support

For technical assistance, please contact LAUNCH customer support. Online resources, including FAQs and troubleshooting guides, are also available to help resolve common issues.

For further information and support, visit the official LAUNCH store:[LAUNCH Official Store](#)

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B0C6GKSQ8K>

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