

LAUNCH X-431 PRO Elite

LAUNCH X431 PRO Elite 2025 Bidirectional Scan Tool User Manual

Model: X-431 PRO Elite | Brand: LAUNCH

1. INTRODUCTION

The LAUNCH X431 PRO Elite 2025 is a professional-grade bidirectional scan tool designed for comprehensive vehicle diagnostics and maintenance. This manual provides detailed instructions for setting up, operating, and maintaining your device to ensure optimal performance and accurate results.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- LAUNCH X431 PRO Elite Display Tablet (1)
- OBD2 Diagnostic Cable (1)
- Type-A to Type-C USB Cable (1)
- AC Power Adaptor (1) with US/UK/EU Plugs
- Quick Start Guide (1)
- User Manual (1)
- Packing List (1)
- Password Bar (1)

LAUNCH X431 PRO ELITE SHOWCASE



**5 Years
Back Up**



**2 YEARS
Free Update**



**24/7/365 Tech
Support**



AC adapter



Main Cable



USB Cable



UK Plug



US Plug



EU Plug



User Manual



Quick Guide



Packing List



Password Bar

Image: LAUNCH X431 PRO Elite package contents, showing the main tablet, diagnostic cables, power adapter with various plugs, and documentation.

Video: An overview of what is included with the LAUNCH X431 PRO Elite scan tool, demonstrating the unboxing process and highlighting each component.

3. TECHNICAL SPECIFICATIONS

Feature	Specification
Display	8-inch LCD Touchscreen (1280 x 800 High-Resolution)
Processor	2.0Ghz 4-Core Cortex-A55
Operating System	Android 10.0

Memory (RAM)	4GB
Storage (ROM)	64GB
Battery	6,000 mAh Rechargeable Lithium Ion
Camera	Rear-Facing 8.0MP
Connectivity	5G & 2.4GHz Dual-Wifi, Type C USB
Dimensions	13.8 x 13.5 x 5.7 inches
Weight	8.01 pounds

2025 UPGRADE UNPARALLELED 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)



5G/2.4GHz
WIFI



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: Visual representation of the tablet's robust hardware, emphasizing its processing power and storage capacity.

4. SETUP AND INITIAL CONFIGURATION

4.1 Device Overview



Image: The back of the LAUNCH X431 PRO Elite, highlighting its integrated adjustable kickstand for convenient viewing angles and the rear-facing camera.

4.2 Powering On and Registration

Upon first use, connect the device to power using the provided AC adapter. Follow the on-screen prompts to complete the initial setup, including Wi-Fi connection and device registration. You will need the unique password found on the 'Password Bar' included in your package to register the device and access full features and updates.

4.3 Software Updates

Ensure your device is connected to a stable Wi-Fi network. Navigate to the 'Software Update' icon on the main screen to download and install the latest vehicle software and diagnostic applications. LAUNCH X431 PRO Elite includes 2 years of free software updates to ensure compatibility with the newest vehicle models and functionalities.

5. OPERATIONAL GUIDE

5.1 Intelligent Diagnosis & VIN Recognition

The Intelligent Diagnosis feature allows for quick and accurate vehicle identification. The tool supports automatic VIN scanning, manual VIN input, and camera VIN scanning using the rear-facing camera for vehicles where automatic recognition is not possible.

AMAZING ONLINE CODING
Future-Proof Scan Tool you can Rely on

- ▶ Flash/Match/Calibration
- ▶ Online/Offline Coding
- ▶ Recode & Relearn
- ▶ Alter Configuration
- ▶ Refresh Hidden Features
- ▶ Disable Annoying Features
- ▶ CODING Adaptive data
- ▶ Customize car features

ECU

CODING MODULE

FREE VAG GUIDE FUNCTION

Fold mirrors

Movement pointer

Adjust ambient lighting brightness

Windows close when rain

Image: The main diagnostic interface of the LAUNCH X431 PRO Elite, providing access to various diagnostic modes including Intelligent Diagnose for automatic vehicle identification.

Video: A demonstration of how to access and utilize special functions within the LAUNCH X431 PRO Elite, guiding users through the menu navigation.

5.2 OE-Level All System Diagnostics

Perform in-depth inspections across all available vehicle systems, including engine, transmission, ABS, SRS, body,

chassis, powertrain, and more. This function allows you to retrieve and clear fault codes (DTCs), view live data streams, analyze freeze frame data, and access ECU information.



Image: An illustration detailing the comprehensive OE-Level All Systems Diagnostics capability, covering all major electronic control units within a vehicle.

5.3 Bi-Directional Control / Active Test

This advanced function allows you to send commands to the vehicle's ECUs and control specific actuators to perform corresponding actions. This is crucial for accurately locating faults and performing various tests, such as fuel pump tests, radiator fan activation, injector kill tests, and more.

BI-DIRECTIONAL CONTROLS (ACTIVE TEST)

Quickly, Accurately Identify your car issue in a Seconds.



Image: The Bi-Directional Controls interface, demonstrating the ability to perform active tests on various vehicle components for precise fault identification.

5.4 Special Functions & Resets (38+)

The X431 PRO Elite offers over 38 commonly used maintenance and reset services, enabling you to perform a wide range of tasks without outsourcing. These include:

- Oil Lamp Reset Service
- EPB (Electronic Parking Brake) Reset
- BMS (Battery Management System) Reset
- DPF (Diesel Particulate Filter) Regeneration
- SAS (Steering Angle Sensor) Reset
- ABS Bleeding
- Fuel Injector Coding
- TPMS (Tire Pressure Monitoring System) Service

- Throttle Adaptation
- AFS Headlamp Reset
- Sunroof Initialization
- Air Suspension Reset
- Gearbox Reset
- Gear Learning
- Tire Reset
- A/F Reset
- Adblue Reset
- Coolant Bleeding
- Language Change
- Nox Sensor Reset
- Stop/Start Reset
- Seat Calibration
- Delete Transport Mode
- Windows Calibration
- AC System Relearn/Initialization
- EGR Reset
- Reset Fuel Alcohol Level
- Reset Fuel Trim
- High Voltage Battery Diagnostics
- Camshaft/Crankshaft Sensor Relearn
- Interactive Vehicle Dynamics (IVD) Initialization Sequence
- Fuel Economy Test
- Halt/Resume Transmission Adaptive Learning
- Passive System (PATS) Functions
- Relearn Vehicle Data
- Initialization Of Automatic Tailgate
- Initialize Power Window Regulators
- Seat Standardization
- Normalize Slide/Tilt Sunroof
- Zero-Point Calibration
- BSI Solenoid Test
- Clutch System Learn
- VGT Relearn
- Transmission Service Fast Relearn
- SWS Initialization
- VIN Registration (Write)
- Injector Fuel Rate Coding
- Fuel Injector Balance

Image: A visual display of the numerous special functions and reset services available on the device, designed to cover a wide range of automotive maintenance needs.

5.5 ECU Coding & Guiding Functions

Customize your vehicle by performing online ECU coding, component matching, and module installation (PMI). This allows for activating high-end functions, disabling annoying features, and adapting data for certain components after repairs or replacements. The V.A.G Guided Functions provide step-by-step on-screen instructions for complex procedures.

2025 Grand Debut: LAUNCH X431 PRO ELITE

Level Up Hardware, Fully Functional Upgrade Software.

- ▶ Enhanced Hardware, better than ever
- ▶ OE-Level All System Diagnostic
- ▶ Coding Online & Offline
- ▶ Bi-directional Control
- ▶ 38+ Service/Calibration/Initialization/Relearn
- ▶ AutoAuth for FCA SGW
- ▶ CANFD & DoIP
- ▶ VAG Guide Function (Free)
- ▶ 200,000+ Vehicle Coverage

2025 NEW





Android 10.0



8" Touchscreen



2.0Ghz Quad-Core



5G&2.4Ghz Dual-Wifi



4GB RAM+ 64GB ROM



6000mAh



Remote Diagnosis



Gesture



TYPE A/C

Image: A graphic illustrating the advanced ECU Coding features, including the ability to activate, match, calibrate, adapt, and disable various vehicle functions.

5.6 FCA AutoAuth, CAN FD & DoIP

The tool supports FCA AutoAuth for secure gateway access on 2017 and newer Fiat/Chrysler/Dodge/Jeep vehicles, allowing for advanced diagnostics and programming. It also supports CAN FD and DoIP protocols, ensuring high-speed communication and compatibility with new vehicle models up to 2025, including specific GM, BMW, Jaguar, Land Rover, and Volvo models.

Video: An illustration demonstrating the process of using LAUNCH FCA SGW AutoAuth for secure gateway access on compatible vehicles.

6. MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your LAUNCH X431 PRO Elite, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe the tablet screen and body with a soft, damp cloth. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the device in its protective case when not in use to prevent damage from dust, moisture, and impacts.
- **Software Updates:** Regularly perform software updates as described in Section 4.3 to ensure the device has the latest vehicle coverage and features.

- **Battery Care:** Avoid fully discharging the battery frequently. Charge the device regularly, especially if it will be stored for an extended period.

7. TROUBLESHOOTING COMMON ISSUES

If you encounter any issues with your LAUNCH X431 PRO Elite, refer to the following common troubleshooting steps:

- **Device Not Powering On:** Ensure the device is fully charged or connected to a power source. Check the power adapter and cable for any damage.
- **Connection Issues (VCI):** Verify that the OBD2 diagnostic cable is securely connected to both the vehicle's OBD-II port and the tablet. Ensure the vehicle's ignition is on.
- **Software Freezing/Lagging:** Close any unnecessary applications running in the background. Perform a software update if available. If the issue persists, restart the tablet.
- **Inaccurate Readings:** Ensure the vehicle's VIN is correctly identified. Perform a system scan to check for any communication errors with vehicle modules.
- **Update Failures:** Check your internet connection stability. Ensure sufficient storage space on the device for updates.

For more detailed troubleshooting or issues not covered here, please contact LAUNCH technical support.

8. WARRANTY AND TECHNICAL SUPPORT

The LAUNCH X431 PRO Elite comes with a **5-Year Warranty**, providing peace of mind for your investment. Additionally, you receive **2 Years of Free Software Updates**, ensuring your diagnostic tool remains current with the latest vehicle models and functionalities.

For any technical assistance, product inquiries, or support needs, LAUNCH offers **24/7 Professional Technical Support**. You can reach the support team via email at: cardiag-aftersales@hotmail.com.



Image: Visual representation of the product's support features, including free updates and warranty information.

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