



Manuals.plus /

› LAUNCH /

› LAUNCH X431 PROS Elite Diagnostic Scan Tool User Manual

LAUNCH X431 PROS Elite

LAUNCH X431 PROS Elite Diagnostic Scan Tool User Manual

Model: X431 PROS Elite

Brand: LAUNCH

1. INTRODUCTION

This manual provides detailed instructions for the operation and maintenance of the LAUNCH X431 PROS Elite diagnostic scan tool. It is designed to assist users in effectively utilizing the device's comprehensive diagnostic capabilities, including ECU coding, bi-directional control, and various reset functions, for a wide range of vehicle models.



Image 1.1: The LAUNCH X431 PROS Elite diagnostic scan tool, featuring a robust red casing and an intuitive touchscreen interface.

2. SETUP AND INITIAL CONFIGURATION

2.1 Unboxing and Components

Upon opening the package, verify that all components are present:

- 1 * LAUNCH X431 PROS ELITE Host
- Bluetooth Adapter
- Switching Adapter
- OBD16 Extension Cable
- USB A to Micro cable
- 3 Adapter Plugs

2.2 Device Overview and Initial Charging

The X431 PROS Elite is powered by a 2.0GHz Quad-Core CPU and Android 10 OS, ensuring fast and reliable performance. It features an 8-inch touchscreen and a 6000mAh battery for extended use. Before first use, fully charge the device. The upgraded battery allows for a full charge in approximately 1 hour, providing up to 15 hours of operation.

NEW UPGRADE, HIGH EFFICIENCY

Enhanced Hardware Goes "Rocket" Speed

- 6000mAh Battery
- 2.4 & 5 GHz WiFi
- Android 10.0
- 8" Touchscreen
- 4-Core CPU
- 4GB / 64GB RAM
- 8MP Rear Camera

- **1H** Charging, **15H** Using
- Larger **64GB** Memory, More Storage
- **5X** Faster Speed, Less Diagnostic Hiccups

Image 2.1: Detailed view of the LAUNCH X431 PROS Elite's enhanced hardware, including the 6000mAh battery, 2.4 & 5 GHz WiFi, Android 10 OS, 4-Core CPU, 4GB/64GB memory, and 8MP rear camera.



Image 2.2: The rear view of the LAUNCH X431 PROS Elite, showing the input specifications and regulatory compliance markings.

2.3 Software Registration and Updates

To ensure optimal performance and access to the latest vehicle data, register your device and perform software updates regularly. The device includes 2 years of free updates, with no-fee weekly upgrades available to keep pace with newer vehicle models and technologies. Stable wired communication is recommended for updates to prevent disruptions.

3. OPERATING INSTRUCTIONS

3.1 Connecting to a Vehicle

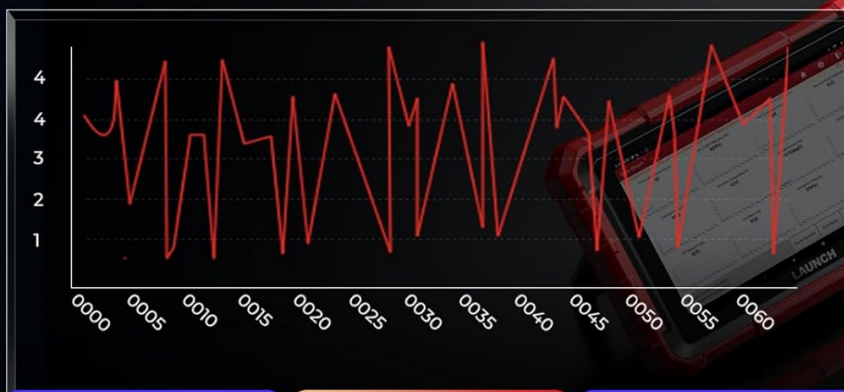
Connect the X431 PROS Elite to your vehicle's OBDII port using the provided OBD16 extension cable and Bluetooth adapter. Ensure a secure connection before initiating any diagnostic procedures.

3.2 System Navigation and Basic Diagnostics

The device features an intuitive interface for easy navigation. From the main menu, you can access various diagnostic functions:

- **Full System Scan:** Perform a comprehensive scan of all available vehicle systems to quickly identify issues.
- **Read/Clear Codes:** Retrieve Diagnostic Trouble Codes (DTCs) and clear them after repairs.
- **Live Data:** View real-time data streams from various sensors and modules. The device supports 12-in-1 graphing for detailed analysis, with options to record, playback, compare, and share data.

IN-DEPTH LIVE DATA ANALYSIS



ALL-SYSTEM
Data Reading

12-IN-1
Data Graphing

REAL-TIME
Status Monitoring

100%
Accurate Scanning

DIAGNOSTIC REPORT COMPARING

✓ Pre & Post Data Comparing

✓ Sharing & Downloading

✓ Cloud Server Uploading

✓ Saving & Playback

✓ WiFi Report Printing



Image 3.1: The LAUNCH X431 PROS Elite displaying in-depth live data analysis with 12-in-1 graphing and options for diagnostic report comparison, sharing, and cloud uploading.

3.3 Special Functions

The X431 PROS Elite offers advanced special functions to address complex vehicle issues:

- **ECU Coding:** Simplify the process of coding, learning, and matching replaced ECUs. This function allows for backing up and restoring code, activating hidden functions, and customizing vehicle settings. The system can automatically obtain code data for matching, streamlining operations.

ECU CODING

Easily Fix All ECU Issues in Fast Speed

- ECU Replacement
- Component Matching
- Personalization & Customization
- Modification & Retrofitting
- Adaptive Data
- Variant Coding

→ Wider Brand Supports

→ Accurate Data Access

→ OE-Level Repair



Image 3.2: Overview of ECU Coding capabilities, including ECU replacement, component matching, personalization, modification, adaptive data, and variant coding.

- **Bi-directional Control / Active Tests:** Perform active tests on nearly all electronic modules (e.g., windows, lights, cooling fan, throttle) to directly test components and receive real-time feedback, aiding in pinpointing problems. Over 4000 active tests are supported.

BI-DIRECTIONAL CONTROL

1 Minute to Find Out What Is Wrong



No Use Vehicle Control



Fast Response to Locate Problems



Quick Check for Status



Cover 99% of Vehicle Modules

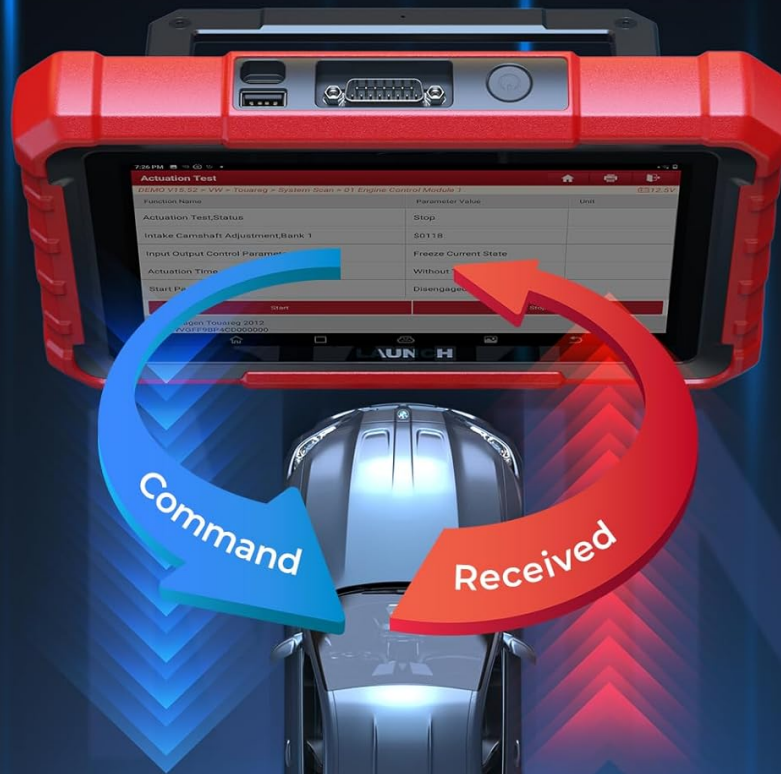


Image 3.3: Illustration of bi-directional control, demonstrating the ability to send commands to vehicle components and receive feedback for quick problem identification.

- **Reset Functions:** Access over 38 maintenance services for various models, including common resets like Brake Reset, Oil Maintenance Reset, Steering Angle Reset, Battery Matching, ABS Bleeding, Throttle Relearn, TPMS Reset, DPF Regeneration, Gearbox Relearn, and EPB Reset.

38+ MAINTENANCE FUNCTIONS



Brake Reset



Oil Maintenance Reset



Steering Angle Reset



Battery Matching



ABS Bleeding



Throttle Relearn



TPMS Reset



D-P-F Re.generatiOn



Gear.box Relearn



EPB Reset

LAUNCH X431 PROS Elite

- 👍 38+ Service Functions
- 👍 200+ Brand Supports
- 👍 300+ Function Coverage
- 👍 1996-2026 Vehicle Coverage



Other Scanners

- Limited
- 80+ Brands
- Limited
- Much Less

Access to More Functions

Diagnostic > Brand > Model > Year > ECU > Module > Special Functions

Image 3.4: Visual representation of 38+ maintenance functions available on the LAUNCH X431 PROS Elite, including brake reset, oil maintenance reset, and battery matching.

3.4 Advanced Protocols and Vehicle Coverage

The X431 PROS Elite supports a wide range of vehicle brands (200+) and models from 1996 to 2026. It includes support for advanced protocols:

- **CAN FD:** For GM & Chrysler models (2020 and later), offering 14x faster data transfer without additional adapters.
- **DoIP:** For Land Rover, Volvo, Jaguar, and BMW models, accelerating diagnostic speed without additional adapters.
- **FCA SGW:** Provides secure access to FCA SGW vehicles (Fiat, Chrysler, Dodge, Jeep models 2017 and later) for reading live data and performing active tests, without requiring a 12+8 adapter.

FASTER, ALL-ROUND, ACCURATE

Diagnose All Systems to Ferret Out Minor Problems



ADD-ON TOOLS ADD MORE ACCURACY!



Videoscope



Battery Tester



Sensorbox



Multimeter



WiFi Pinter



X431 i-TPMS

Image 3.6: Examples of add-on tools compatible with the LAUNCH X431 PROS Elite, including a videoscope, battery tester, and sensorbox, which enhance diagnostic accuracy.

4. MAINTENANCE

4.1 Software Updates

Regularly update the device software to ensure access to the latest vehicle models, diagnostic functions, and bug fixes. Updates are available weekly and are free for the first two years.

4.2 Cleaning and Storage

Keep the device clean by wiping it with a soft, dry cloth. Avoid using abrasive cleaners or solvents. Store the device in a cool, dry place away from direct sunlight and extreme temperatures to prolong its lifespan.

5. TROUBLESHOOTING

5.1 Common Issues

- **Device not powering on:** Ensure the battery is charged. Connect the device to the power adapter and allow it to charge for at least 1 hour.
- **No communication with vehicle:** Verify that the OBDII cable is securely connected to both the vehicle's port and the diagnostic tool. Check the vehicle's ignition status.
- **Slow operation:** Ensure the device software is up to date. Close any unnecessary applications running in the background.
- **Software update issues:** Ensure a stable internet connection (preferably wired) during updates. If issues persist, contact technical support.

5.2 Technical Support

For any technical assistance or troubleshooting beyond this manual, please contact LAUNCH technical support at 1-888-756-2936, available Monday-Friday, 9 AM-6 PM EST.

6. SPECIFICATIONS

Feature	Specification
Brand	LAUNCH
Power Source	Battery Powered
Operating System	Android 10.0
Screen Size	8 inches
Native Resolution	1280x800
Automotive Fit Type	Universal Fit
Included Components	Host, Bluetooth Adapter, Switching Adapter, OBD16 Extension Cable, USB A to Micro cable, 3 Adapter Plugs

7. WARRANTY AND SUPPORT

7.1 Manufacturer Warranty

The LAUNCH X431 PROS Elite comes with a 2-year manufacturer warranty. Please retain your proof of purchase for warranty claims.

7.2 Return Policy

A 60-day return and refund policy is offered. Refer to your purchase agreement for specific terms and conditions.

7.3 Customer Support

For product support, technical inquiries, or warranty service, please contact LAUNCH customer service at 1-888-756-2936, Monday through Friday, 9 AM to 6 PM EST.