



[Manuals.plus](#) /

› [LAUNCH](#) /

› LAUNCH X431 IMMO Plus OBD2 Car Diagnostic Device User Manual

LAUNCH X431 IMMO Plus

LAUNCH X431 IMMO Plus OBD2 Car Diagnostic Device User Manual

Model: X431 IMMO Plus

1. INTRODUCTION

The LAUNCH X431 IMMO Plus is an advanced all-in-one OBD2 car diagnostic device designed for professional automotive technicians and locksmiths. This tool integrates comprehensive diagnostic functions, advanced key programming, ECU coding, and over 39 special reset services. It is equipped with a 10.1-inch touchscreen, 4G connectivity, and a powerful 47800 mAh battery, ensuring efficient and reliable operation.



Image 1.1: The LAUNCH X431 IMMO Plus diagnostic device shown with the X-PROG3 key programmer.

2. WHAT'S IN THE BOX

Verify that all components are present upon unboxing:

- LAUNCH X431 IMMO Plus Diagnostic Tablet
- LAUNCH X431 ProGIII Key Programmer
- Necessary cables and adapters (not explicitly listed in source, but implied for operation)

3. SETUP

3.1 Initial Device Activation

Upon first use, the device requires activation. Follow the on-screen prompts to register your device using the provided serial number and activation code. Ensure a stable internet connection (Wi-Fi or 4G) during this process.

3.2 Connecting to a Vehicle

1. Locate the vehicle's OBD-II port, typically under the dashboard on the driver's side.
2. Connect the diagnostic cable to the OBD-II port.
3. Connect the other end of the cable to the LAUNCH X431 IMMO Plus device.
4. Turn the vehicle's ignition to the 'ON' position (engine off).
5. Power on the LAUNCH X431 IMMO Plus device.

4. OPERATING INSTRUCTIONS

4.1 Full System Diagnostics

The device supports comprehensive diagnostics for all vehicle systems, including Engine (ENG), Transmission Control Module (TCM), Body Control Module (BCM), Tire Pressure Monitoring System (TPMS), Supplemental Restraint System (SRS), and Anti-lock Braking System (ABS).

- **Read/Clear DTCs:** Retrieve and erase diagnostic trouble codes.
- **Live Data Stream:** View real-time data parameters from various sensors.
- **Vehicle Information:** Access vehicle identification details.
- **Active Tests:** Perform bidirectional control tests (see section 4.4).



Image 4.1: The diagnostic tablet interface showing vehicle diagnostic options and broad compatibility.

4.2 Advanced Key Programming (IMMO)

Utilizing the included X-PROG3 key programmer, the X431 IMMO Plus offers extensive immobilizer functions:

- Read PIN/CS codes.
- Add/Delete keys.
- Perform 'All Keys Lost' procedures.
- ECU reset, adaptation, refresh, and coding.
- Read and write EEPROM/MCU chips.

ADVANCED ECU ONLINE CODING

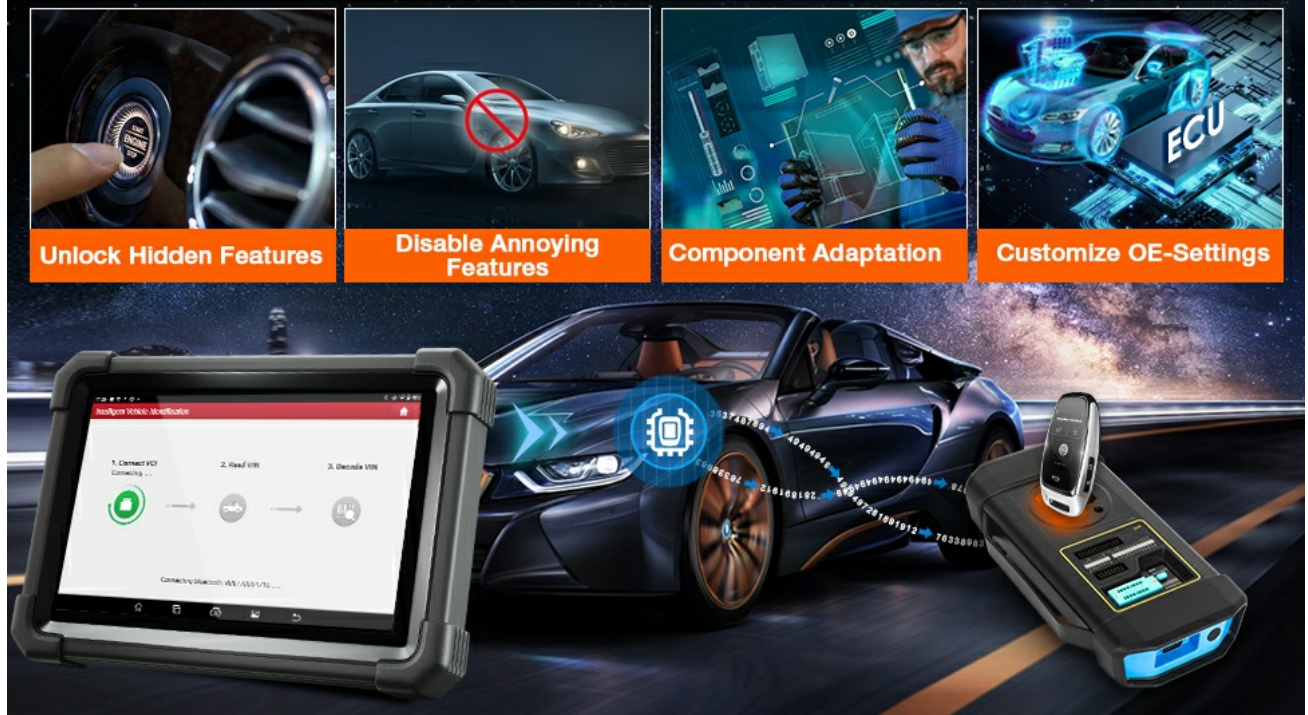


Image 4.3: The advanced ECU coding interface on the diagnostic tablet, showing options for vehicle customization and parameter modification.

4.4 Bidirectional Control / Active Tests

This function allows the diagnostic tool to send commands to vehicle ECUs to test specific components or subsystems, helping to quickly identify malfunctions.

- Activate radiator fans.
- Modulate the throttle.
- Operate mirrors.
- Turn lights on/off.
- Test door lock actuators.
- Activate transmission oil pump.
- Perform injector buzz tests.



Image 4.4: A tablet screen displaying system controls for various vehicle functions, demonstrating bidirectional control capabilities.

4.5 39+ Special Reset Services

The X431 IMMO Plus provides a wide range of special functions for maintenance and service tasks:

- Oil Reset
- Steering Angle Sensor (SAS) Reset
- Electronic Parking Brake (EPB) Reset
- ABS Bleeding
- Battery Matching
- Diesel Particulate Filter (DPF) Regeneration
- Throttle Adaptation
- Tire Pressure Monitoring System (TPMS) Reset
- Injector Coding
- Transmission Learning

Note: The availability of specific functions may vary depending on the vehicle model and year.



Image 4.5: The tablet interface showcasing the extensive list of over 39 special service functions available.

4.6 CAN FD & DOIP Protocols

The device supports advanced communication protocols for newer vehicles:

- **CAN FD:** Supported for GM vehicles from 2020 onwards.
- **DOIP:** Supported for Volvo (2018+), Land Rover (2017+), and Jaguar (2017+) vehicles. An additional transparent adapter may be required for DOIP.
- **AutoAuth for FCA SGW:** Provides secure gateway access for 2018 and newer FCA vehicles (Chrysler, Dodge, Jeep).

5. MAINTENANCE

5.1 Software Updates

The LAUNCH X431 IMMO Plus includes 2 years of free software updates. Regularly update the device software to ensure access to the latest vehicle models, diagnostic functions, and bug fixes. Connect the device to Wi-Fi and navigate to the 'Software Update' section in the main menu.

5.2 Cleaning and Storage

- Clean the device screen and body with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- Store the device in its original case in a dry, cool environment when not in use.
- Avoid exposing the device to extreme temperatures, direct sunlight, or excessive moisture.

6. TROUBLESHOOTING

6.1 Device Not Powering On

- Ensure the battery is sufficiently charged. Connect the device to its charger.

- Check the power button for proper function.

6.2 Communication Errors with Vehicle

- Verify that the diagnostic cable is securely connected to both the device and the vehicle's OBD-II port.
- Ensure the vehicle's ignition is in the 'ON' position (engine off).
- Check for any blown fuses in the vehicle's OBD-II circuit.
- Confirm that the vehicle model and year are correctly selected in the diagnostic software.

6.3 Software Update Issues

- Ensure a stable and strong internet connection.
- Check available storage space on the device.
- Restart the device and attempt the update again.

7. SPECIFICATIONS

Professional LAUNCH X431 IMMO Plus Scanner
K-y Programming & IMMO Function

IMMO Plus Work with X-PROG 3

- Fit for GM/FORD IMMO Module C-Cloning
- ENG/TCM ECU C-Clone & Chip Copy
- Fit for VW/Audi Add K*ys, All K*ys Lost
- Anti-Theft Matching after Modules Replaced
- Fit for Benz ENG/TCM ECU Delete&Add K*ys
- For BMW TCM ECU Delete, Add K*ys, All K*y Lost
- Programmable Module Installation
- Fit for Porsche Add K*ys, All K*ys Lost, front computer write data
-

X431 IMMO Plus

- Read PIN/CS(All K*y Lost)
- K*y Generation
- K*y & Remote Learning
- Anti-Theft Module Replace
- Engine/Gearbox ECU Replacement C-Cloning
- IMMO ECU Reset/Adaptation/Refresh/Coding
- Read&Write EEPROM/MCU Chip
- ECM MCU Reflash & Clone
- Generate Dealer K*ys
- Renew/Read/Write Transponder
- Back/Restore IMMO Data
- Cloning in BENCH Mode without Disassembly
-

Notice:
Functions above vary by car models and years.

Image 7.1: The LAUNCH X431 IMMO Plus Scanner, highlighting its technical specifications and features.

Feature	Description
Brand	LAUNCH
Model Name	X431 IMMO Plus
Manufacturer Part Number	YZH03-A
UPC	884508000348
Power Source	Battery Powered
Screen Size	10.1 Inches (estimated from image description)

Feature	Description
Connectivity	4G, Wi-Fi (2.4GHz/5GHz)
Battery Capacity	47800 mAh
Operating System	Android 10.0
Storage	64GB
Included Components	LAUNCH X431 IMMO Plus, LAUNCH X431 ProGIII

8. WARRANTY AND SUPPORT

8.1 Manufacturer's Warranty

The LAUNCH X431 IMMO Plus comes with a **2-year manufacturer's warranty**. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use.

8.2 Technical Support

For technical assistance, software updates, or troubleshooting beyond this manual, please contact LAUNCH customer support. Refer to the official LAUNCH website or product packaging for the most current contact information.