

LAUNCH X431 for FGC

LAUNCH X431 Creader Elite FGC 2.0 OBD2 Scanner

User Instruction Manual

1. INTRODUCTION

The LAUNCH X431 Creader Elite FGC 2.0 is an advanced OBD2 diagnostic scan tool specifically designed for Ford, GM, and Chrysler series vehicles. This device provides OE-level diagnostics, comprehensive system scanning, and bi-directional control capabilities, enabling professional technicians and DIY enthusiasts to perform in-depth vehicle analysis and maintenance.

This manual provides detailed instructions on how to set up, operate, and maintain your LAUNCH X431 Creader Elite FGC 2.0 scanner, ensuring optimal performance and longevity.

2. WHAT'S IN THE BOX

Upon opening the package, please verify that all components are present and in good condition:

- 1x LAUNCH X431 Creader Elite FGC 2.0 OBD2 Scanner
- 1x User Manual (this document)
- 1x Carrying Bag (for storage and transport)

3. PRODUCT OVERVIEW

The LAUNCH X431 Creader Elite FGC 2.0 is equipped with a 4-inch touchscreen, running on Android 8.1, powered by a 1.3GHz quad-core processor, 2GB RAM, and 16GB ROM. It features a 3000mAh battery and supports 2.4GHz Wi-Fi for updates and online functions.



Image: Overview of the LAUNCH X431 Creader Elite FGC 2.0 scanner, highlighting its key features and specifications.

4. SETUP AND INITIAL USE

1. **Power On:** Press and hold the power button located on the device until the screen illuminates.
2. **Wi-Fi Connection:** Upon first use or after a factory reset, the device will prompt you to connect to a Wi-Fi network. Select your network and enter the password. A stable internet connection is required for software updates and online features.
3. **Software Update:** After connecting to Wi-Fi, navigate to the "Upgrade" icon on the main menu. Check for available updates and install them to ensure your scanner has the latest vehicle coverage and functions. Lifetime updates are included.
4. **Vehicle Connection:** Locate your vehicle's OBD2 port, typically under the dashboard on the driver's side. Connect the scanner's OBD2 cable to the vehicle's port. Turn the vehicle's ignition to the "ON" position (engine off).

5. OPERATING INSTRUCTIONS

5.1. OE-Level All System Diagnostics

This function allows you to scan and analyze all major vehicle systems, including Engine, Transmission, ABS, Airbag, BCM, HVAC, TPMS, and more. The scanner automatically detects the vehicle's VIN for quick access to diagnostic functions.

OE-LEVEL ALL SYSTEM DIAGNOSIS

Execute Procedures Like an OEM Engineer



Image: Illustration of the OE-Level All System Scan capability, showing various vehicle modules being diagnosed.

- **Read/Clear Codes:** Retrieve Diagnostic Trouble Codes (DTCs) and clear them after repairs.
- **Live Data Stream:** View real-time data parameters from various sensors and components.
- **Freeze Frame:** Capture a snapshot of vehicle conditions when a fault code is triggered.
- **ECU Information:** Display detailed information about the Electronic Control Unit.
- **Diagnostic Report:** Generate and print comprehensive diagnostic reports.

5.2. Bi-Directional Control (Active Tests)

The bi-directional control feature allows the scanner to send commands to vehicle ECUs to activate specific components or systems for testing. This helps in pinpointing faulty components and verifying repairs.

PRO-GRADE BI-DIRECTIONAL CONTROL

The Active Test Scanner for Quickest Troubleshooting

3000+
LISTS

- Much Easier Troubleshooting
- More Accurate Pinpoint Faulty
- Find Unnoticed Damaged Areas
- Use without Vehicle control



- | | | |
|-------------------|----------------|----------------|
| ✓ Radiator Fan | ✓ Sound Horn | ✓ Radiator Fan |
| ✓ Interior Lights | ✓ ACM Solenoid | ✓ Camera |
| ✓ Exterior Lights | ✓ Fuel Pump | ✓ ACC Lkas |

- 1 Much Easier Troubleshooting
- 2 Car System Receives
- 3 Active/Not Active Components
- 4 Locate Faulty Parts



Brake



Clutch



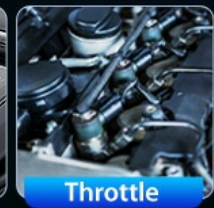
Windows



Mirrors



Cycle A/C



Throttle

Image: Demonstrates the bi-directional control feature, showing the scanner sending commands to activate vehicle components like windows.

Examples of active tests include activating windows, fuel pumps, mirrors, wipers, fans, horn, and more. The availability of specific tests varies by vehicle model.

5.3. Special Functions and Resets

The scanner includes over 100 special functions and reset services for various maintenance tasks. These functions are available for supported FGC vehicles without additional charges.

OEM-SPEC HOTTEST RESET SERVICES

Efficient maintenance of your vehicle, solves 99% problems



ABS Bleeding



EPB Reset



Oil Light Reset



SAS Reset



DPF Regeneration

- | | | | |
|-------------------|------------------------------|------------------------------------|----------------|
| • Injector Coding | • Adaptive Gearbox | • Adaptive Front Lighting System | • EGR Learning |
| • Gear Learning | • Tire Pressure Sensor Reset | • Electronic Throttle Sensor Reset | • More... |

HOW TO FIND THE RESETS

Diagnose >> Model & Year >> Automatically Search >> System >> Special Functions



WARM TIPS: Features vary by model and are only available on properly equipped vehicles. Please double-check your vehicle's compatibility before ordering.

Image: A visual representation of various OEM-spec reset services available, such as ABS Bleeding, Oil Light Reset, and DPF

Common services include:

- Oil Reset
- Electronic Parking Brake (EPB) Reset
- Steering Angle Sensor (SAS) Calibration
- Battery Management System (BMS) Reset
- ABS Bleeding
- Diesel Particulate Filter (DPF) Regeneration
- Injector Coding
- Idle Relearn
- Gear Learning
- Crankshaft Relearn
- Throttle Relearn
- Tire Pressure Monitoring System (TPMS) Reset

To access these functions, navigate through *Diagnose > Model & Year > Automatically Search > System > Special Functions*.

5.4. Advanced ECU Coding

Customize vehicle settings such as auto start-stop behavior, Daytime Running Light (DRL) settings, buzzer sounds, and dashboard display options. This feature allows for dealer-level personalization.

5.5. Other Useful Features

- **DTC Google Search:** Directly search for fault code definitions online.
- **4-in-1 Live Data Stream:** Display multiple live data graphs simultaneously for easier analysis.
- **Built-in DTC Library:** Access a comprehensive database of diagnostic trouble codes.
- **Online Feedback:** Submit diagnostic issues directly to LAUNCH for support.

6. VEHICLE COMPATIBILITY

The LAUNCH X431 Creader Elite FGC 2.0 is designed for Ford, GM, and Chrysler group vehicles from 1996 to 2025. It supports a wide range of brands within these groups:

FORD Group	GM Group	FCA Group (Chrysler)
Ford (US/Euro/Aus)	Buick	Chrysler
Lincoln	Chevrolet	Dodge
Mercury	Cadillac	Jeep
Mazda (select models)	GMC	Fiat (select models)
	Pontiac	
	Saturn	
	Hummer	

For non-FGC vehicles, additional software packages can be purchased and downloaded from the "Mall" application

on the device.

GET 3 SOFTWARES FOR THE PRICE OF 1

Fit for FORD Group	Fit for GM Group	Fit for Chrysler Group
For Europe ford	For Cadillac	For Chrysler
For Mazda	For GM	For Dodge
For Ford	For Chevrolet	For Jeep
For Lincoln	For Buick	...
...

7/24/365 Tech Support **90-Day Return & Replace** **100% Customer Service**

AUTOiAUTH™
AUTO AUTHENTICATION AUTHORITY

Applicable to FCA vehicles (for Chrysler, for Dodge, for Jeep) equipped with a Security Gateway Module (SGW) from 2017 onwards.

10 Languages Support

English	Chinese	Spanish	French	German	
Italian	Russian	Portuguese	Japanese	Korean	Polish

Image: Displays the vehicle groups (Ford, GM, Chrysler) supported by the scanner and highlights the included software packages.

7. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the device's screen and body. Avoid abrasive cleaners or solvents.
- **Storage:** Store the scanner in its carrying bag in a cool, dry place away from direct sunlight and extreme temperatures.
- **Software Updates:** Regularly check for and install software updates via Wi-Fi to ensure the scanner has the latest features and vehicle compatibility.
- **Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. Charge the device regularly, especially if it will be stored for an extended period.

8. TROUBLESHOOTING

- **Device does not power on:** Ensure the battery is charged. Connect the device to a power source using the provided cable. If the issue persists, contact customer support.
- **No communication with vehicle:**
 - Verify the OBD2 cable is securely connected to both the scanner and the vehicle's OBD2 port.
 - Ensure the vehicle's ignition is in the "ON" position (engine off).
 - Check the vehicle's fuse for the OBD2 port.
 - Try the scanner on a different compatible vehicle to rule out a vehicle-specific issue.
- **Software update failure:** Ensure a stable Wi-Fi connection. Restart the device and try the update again. If the problem continues, contact technical support.
- **Inaccurate readings or functions not working:** Ensure the scanner's software is up to date. Verify the vehicle's compatibility for the specific function you are trying to perform.

9. SPECIFICATIONS

Model	X431 for FGC
Operating System	Android 8.1
Screen Size	4 Inches
Processor	1.3GHz Quad-Core
RAM	2GB
ROM	16GB
Battery	3000mAh Lithium Polymer (included)
Connectivity	2.4GHz Wi-Fi
Item Weight	1.76 pounds
Package Dimensions	10 x 7 x 2.9 inches
Power Source	Battery Powered
Automotive Fit Type	Vehicle Specific Fit (Ford, GM, Chrysler)

10. WARRANTY AND SUPPORT

- **Lifetime Software Updates:** The LAUNCH X431 Creader Elite FGC 2.0 includes lifetime software updates, ensuring your device remains current with the latest vehicle models and diagnostic functions.
- **90-Day Return & Replace:** Refer to your purchase agreement for details on the return and replacement policy.
- **Technical Support:** 24/7 technical support is available to assist with any operational questions or issues you may encounter.
- **Customer Service:** Dedicated customer service is provided to ensure satisfaction.