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LAUNCH CRP919E Lite

LAUNCH X431 CRP919E Lite OBD2 Scanner User Manual

Model: CRP919E Lite | Brand: LAUNCH

1. Introduction

The LAUNCH X431 CRP919E Lite is a professional-grade OBD2 diagnostic scanner designed for comprehensive vehicle analysis and maintenance. This bidirectional scan tool provides full system diagnostics, active testing capabilities, and access to over 32 service functions. It supports a wide range of vehicle brands and models, including FCA AutoAuth for secure diagnostics on compatible vehicles. With its user-friendly interface and regular software updates, the CRP919E Lite is an essential tool for both automotive enthusiasts and professional technicians.

2. What's in the Box

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

- LAUNCH CRP919E Lite Diagnostic Tool
- Diagnostic Cable (46 inch)
- DC Charging Cable
- Power Adapter (US/EU/UK)
- User Manual
- Quick Start Guide
- Carrying Case



Image: The LAUNCH CRP919E Lite diagnostic tool, diagnostic cable, DC charging cable, power adapters, user manual, quick start guide, and carrying case.

Video: An overview of the items included in the LAUNCH CRP919E Lite package, demonstrating the unboxing process and highlighting each component.

3. Product Features

3.1. Hardware Overview

- **Operating System:** Android 8.1 for fast and accurate diagnostics.
- **Display:** 7-inch HD Touchscreen.
- **Memory:** 2GB RAM + 32GB ROM.
- **Battery:** 6000mAh high-capacity rechargeable battery.
- **Connectivity:** 2.4 & 5GHz WiFi for software updates and data transfer.
- **Processor:** 1.3G CPU for efficient multitasking.
- **Durability:** Robust design with a built-in kickstand for convenient use.

3.2. Software Capabilities

- **Full System Diagnostics:** Access and diagnose all vehicle electronic control modules (e.g., ABS, SRS, Engine, AT, PCM, ECM, EPS, PDM, TPM, BCM). Read and clear fault codes, view live data streams, and record/playback data.
- **Bi-Directional Control (Active Test):** Send commands to vehicle systems and components to perform active tests (e.g., ABS motor, windows, doors, fuel pump, injectors, EVAP test).
- **32+ Service Functions:** Includes common maintenance services such as Oil Reset, ABS Bleeding, BMS Reset, SAS Calibration, Gearbox Match, Injector Coding, Brake Pad Replacement, Tire Pressure Reset, and more. Over 100 additional resets/relearns are available within specific car brand systems.
- **FCA AutoAuth:** Diagnose 2017+ FCA SGW-equipped vehicles without requiring separate adapters.
- **Wide Vehicle Coverage:** Supports over 160 vehicle brands and 100,000+ models globally (1996-2025), compatible with OBDII, EOBD, and JOBD protocols for 12V passenger cars, pickups, and light trucks.
- **Multi-Language Support:** Supports 11+ languages including English, Spanish, French, Italian, German, Polish, Portuguese, Russian, Chinese, Japanese.
- **DTC Help & Code Search:** Provides interpretations of fault codes, troubleshooting steps, and maintenance information resources.
- **Health Report:** Generate and print diagnostic reports for better understanding and data retention.
- **Expansion Modules:** Supports optional add-on modules like TPMS and BST360 Battery Tester.



Image: Illustration of the bi-directional control capabilities, showing active tests for components like radiator fan, sunroof/windows/wipers, door lock, IMRC, modulate throttle, fuel pump, and EVAP.



Image: Visual representation of full system diagnostics, highlighting the ability to scan various vehicle modules and display 4-in-1 live data graphing, Auto Vin, and health reports.



Image: A grid displaying icons and names for over 32 maintenance functions, including Oil Reset, ABS Bleeding, BMS Reset, Throttle Matching, DPF Regeneration, and Injector Coding.

Video: A brief demonstration of the LAUNCH CRP919E Lite's key features, including its diagnostic capabilities and user interface.

4. Setup

1. **Charge the Device:** Connect the DC Charging Cable to the CRP919E Lite and plug the adapter into a power outlet. Ensure the device is fully charged before first use.
2. **Power On:** Press and hold the power button until the LAUNCH logo appears on the screen.
3. **Initial Configuration:** Follow the on-screen prompts to select your language, time zone, and connect to a Wi-Fi network. A stable Wi-Fi connection is essential for software updates.
4. **Software Update:** Navigate to the 'Upgrade' section on the main menu. Download and install all available software updates to ensure optimal performance and the latest vehicle coverage.
5. **Connect to Vehicle:** Locate your vehicle's OBDII port (usually under the dashboard). Connect the Diagnostic Cable to the CRP919E Lite and then to the vehicle's OBDII port. Turn the vehicle's ignition to the 'ON' position (engine off).

5. Operating Instructions

5.1. Full System Diagnostics

1. From the main menu, select 'Diagnose'.
2. Choose your vehicle make and model. The device may offer 'Auto Vin' for automatic vehicle identification.
3. Select 'Health Report' or 'System Scan' to perform a comprehensive scan of all available modules.
4. Review the diagnostic trouble codes (DTCs) and live data streams.
5. To clear codes, select the 'Clear Codes' option after addressing the underlying issues.

5.2. Bi-Directional Control (Active Test)

1. After selecting your vehicle, navigate to the 'Active Test' or 'Actuation Test' menu.
2. Select the specific component or system you wish to test (e.g., fuel pump, ABS motor).
3. Follow the on-screen instructions to activate or deactivate the component and observe its response.

5.3. Service Functions

1. From the main menu, select 'Reset' or 'Service'.
2. Choose the desired service function (e.g., Oil Reset, EPB Reset, SAS Calibration).
3. Follow the detailed on-screen instructions to perform the service. Note that some functions may require specific vehicle conditions or additional steps.

5.4. FCA AutoAuth

For 2017 and newer FCA vehicles equipped with a Security Gateway Module (SGW), the CRP919E Lite supports FCA AutoAuth. This allows for secure access to perform diagnostics and special functions without needing a bypass cable. Ensure your device is connected to Wi-Fi and follow the prompts for authentication when prompted by the tool.

6. Maintenance

6.1. Software Updates

The CRP919E Lite includes 2 years of free software updates. Regular updates ensure compatibility with new vehicle models, improved functionality, and bug fixes. Connect the device to a stable Wi-Fi network and navigate to the 'Upgrade' icon on the main menu to check for and install updates.



Image: Graphic illustrating the 'One-Click Upgrade' feature for convenient software updates.

6.2. Battery Care

To prolong battery life, avoid fully discharging the device frequently. Charge the device when the battery level is low. Store the device in a cool, dry place when not in use for extended periods.

7. Troubleshooting

- **Device not powering on:** Ensure the battery is charged. Connect the DC charging cable and try again.
- **No communication with vehicle:** Verify the diagnostic cable is securely connected to both the CRP919E Lite and the vehicle's OBDII port. Ensure the vehicle's ignition is in the 'ON' position. Check vehicle compatibility.
- **Software update issues:** Ensure a stable Wi-Fi connection. Restart the device and try the update again. If issues persist, contact customer support.
- **Inaccurate readings:** Ensure the software is up-to-date. Verify the vehicle information entered is correct.

8. Specifications

Feature	Detail
Brand	LAUNCH
Model	CRP919E Lite
Operating System	Android 8.1
Screen Size	7 Inches
Memory	2GB RAM + 32GB ROM
Battery Capacity	6000mAh
Connectivity	2.4 & 5GHz WiFi
Processor	1.3G CPU
Vehicle Coverage	160+ brands, 100,000+ models (1996-2025)
Supported Protocols	OBDII, EOBD, JOBD
Item Weight	6.03 pounds
Package Dimensions	12.71 x 10.87 x 5.39 inches
Batteries	1 AAA batteries required (included)

9. Warranty and Support

The LAUNCH CRP919E Lite comes with a **5-year warranty**, covering free return and replacement for manufacturing defects. Additionally, it includes **2 years of free software updates**. During this period, models and functions will be updated weekly. After 2 years, the device will remain on its final updated version and can be used normally without further updates.

For technical support, compatibility inquiries, or warranty claims, please contact LAUNCH customer service. Refer to the Quick Start Guide or User Manual for contact details.

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.

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