

LAUNCH CRP123X

LAUNCH OBD2 Scanner CRP123X Elite User Manual

Model: CRP123X | Brand: LAUNCH

INTRODUCTION

The LAUNCH CRP123X Elite OBD2 Scanner is a versatile diagnostic tool designed for both professional technicians and DIY enthusiasts. It offers comprehensive diagnostics for four main vehicle systems: Engine, Anti-lock Braking System (ABS), Supplemental Restraint System (SRS), and Transmission. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your device to ensure optimal performance and accurate vehicle diagnostics.

Key features include 7 free reset functions (Throttle Adaptation, Oil Reset, SAS Reset, BMS Reset, Brake Reset, D-P-F Regeneration, ABS bleeding), lifetime free WiFi updates, FCA AutoAuth support, multi-system diagnosis, live data display, and one-click Auto VIN scanning.



Figure 1: LAUNCH CRP123X Elite OBD2 Scanner main unit with display showing various functions.

WHAT'S IN THE BOX

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

- Main Unit (LAUNCH CRP123X Elite OBD2 Scanner)
- OBD Cable
- USB Charging Cable (for connecting to PC or phone charger)
- Carrying Bag

Note: A charger is not included. The device can be powered via the vehicle's DLC port or charged via the USB cable.

SETUP

1. Initial Charging

Before first use, it is recommended to charge the device for 2-3 hours using the provided USB charging cable. Connect the USB cable to the scanner and a compatible USB power source (e.g., computer USB port, USB wall adapter). The indicator light on the device will show charging status.

2. Connecting to Vehicle

Locate the OBD-II diagnostic port in your vehicle (typically under the dashboard on the driver's side). Connect the provided OBD cable to the scanner and then to your vehicle's OBD-II port. The device will power on automatically once connected to the vehicle.

3. Wi-Fi Connection

For software updates and online features, connect the scanner to a Wi-Fi network:

1. From the main menu, tap "Settings".
2. Select "Wi-Fi" and turn it ON.
3. Choose your desired network and enter the password if prompted.

4. Software Updates

The CRP123X Elite offers lifetime free updates. It is crucial to keep your software updated for new vehicle models and features:

- Ensure the device is connected to Wi-Fi.
- From the main menu, tap "Upgrade".
- Select the available updates and follow the on-screen prompts. Updates are typically one-click and do not require a PC or SD card.



Figure 2: Icon representing the one-click update feature.

OPERATING THE SCANNER

1. Auto VIN Scan

The device can automatically identify vehicle information (make, model, year) for quick diagnostics:

- Connect the scanner to the vehicle's OBD-II port.
- The scanner will attempt to automatically detect the VIN. If successful, it will display the vehicle information.
- If Auto VIN fails, you can manually input the VIN.

One-Click Update To Get New Features Right Now

2025 Version CRP123X With 4x Faster Processing

NEWLY
CHIP



New Functions



Newer Vehicle
Coverage

6x
FASTER

ROM

32GB



6100mAh
Battery



WiFi



8.1 OS



5"
Touchscreen

Figure 3: Screen showing the One-Touch Auto VIN Scan process.

2. Multi-System Diagnosis

The CRP123X Elite diagnoses four core vehicle systems:

- **Engine System:** Reads and clears engine fault codes, views live data related to engine performance.
- **Anti-lock Braking System (ABS):** Diagnoses ABS issues, reads and clears ABS codes, views live data.
- **Supplemental Restraint System (SRS/Airbag):** Checks airbag system status, reads and clears SRS codes.
- **Transmission System:** Diagnoses transmission problems, reads and clears transmission codes, views live data.



Figure 4: Visual representation of the scanner's ability to diagnose Engine, ABS, SRS, and Transmission systems.

3. Reading and Clearing Diagnostic Trouble Codes (DTCs)

After a system scan, the device will display any detected DTCs. You can then:

- **Read Codes:** View detailed definitions of the fault codes to understand the underlying issue.
- **Clear Codes:** Once a repair has been made, use this function to erase the fault codes and turn off warning lights.

4. Live Data Display

Monitor real-time vehicle sensor data in text or graphical format. This helps in identifying abnormal readings and diagnosing intermittent issues.

- Data can be displayed in single, multi-graph, or merged 4-in-1 formats for comprehensive analysis.
- Data can be recorded and played back for later review.



Figure 5: Icon representing the live data stream feature.

5. Special Reset Functions


The CRP123X Elite includes 7 free reset functions for common maintenance tasks:

- **Oil Reset:** Resets the oil service light after an oil change.


- **Steering Angle Sensor (SAS) Reset:** Calibrates the steering angle sensor.
- **Throttle Adaptation:** Relearns the throttle body position.
- **ABS Bleeding:** Bleeds air from the ABS system.
- **Battery Management System (BMS) Reset:** Resets the battery monitoring system after battery replacement.
- **Brake Reset:** Resets the electronic parking brake (EPB) after brake pad replacement.
- **Diesel Particulate Filter (D-P-F) Regeneration:** Initiates DPF regeneration process.


7 FREE

Reset Functions

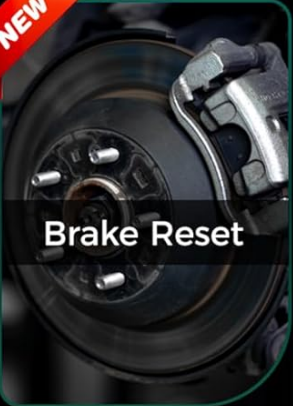


ABS Bleeding







BMS Reset




Brake Reset




**D.P.F
Regeneration**




ETC Reset



Oil Reset



SAS Reset



**Continuous
Updates...**

Note:

Just update the software of your CRP123X scanner to get reset function

Figure 6: Visual guide to the 7 free reset functions available on the scanner.

Note: Special functions may vary by vehicle model. Always confirm compatibility before performing a reset. Additional functions can be purchased via the "Mall" feature on the device.

6. Battery Voltage Monitoring

The scanner can monitor your vehicle's battery voltage in real-time, displayed in graphs and text, to help assess battery health.



Figure 7: Icon representing the battery test feature.

7. Diagnostic Report Generation and Sharing

Generate professional diagnostic reports in PDF format. These reports can be saved, emailed, or printed for future reference or sharing with a mechanic.

- Reports are stored in the diagnostic history for easy access.
- Use the "Share" option to send reports via Wi-Fi.



Figure 8: Icon representing the diagnostic report feature.

MAINTENANCE

- **Software Updates:** Regularly update the scanner's software via Wi-Fi to ensure compatibility with new vehicle models and access to the latest features.
- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the scanner in its carrying bag in a cool, dry place when not in use.

TROUBLESHOOTING

This section addresses common issues you might encounter with your LAUNCH CRP123X Elite scanner.

- **Device Fails to Turn On:**
 - Ensure the device is charged for 2-3 hours. Check if the indicator light is on.
 - Try using a different USB charging cable.
 - Press and hold the power button for 10-15 seconds.
 - If connected to a vehicle, ensure the OBD cable is securely connected.
- **Insufficient Storage Space:**
 - Go to "Settings" and select "Clean up" to clear cache files.
 - Consider a factory reset via "Settings" > "Recovery" (Note: This will erase data, back up if necessary).

- **SN Code Not Registered:**
 - Verify that the device's time/time zone and network connection are correct.
 - Try a factory reset if the issue persists.
- **Fail to Start Auto VIN Detection:**
 - Check if the scanner is properly connected to the vehicle's DLC (Data Link Connector).
 - Ensure the "Automatic detection on Connect" switch in settings is ON.
 - For vehicles that do not support Auto VIN, manually input the VIN.
- **Specific Feature Not Supported for a Model:**
 - Not all special functions apply to all models.
 - Contact LAUNCH support with your vehicle's model, year, and VIN for compatibility confirmation.

SPECIFICATIONS

Feature	Detail
Brand	LAUNCH
Model	CRP123X
Operating System	Android 8.1
Memory	32GB internal memory
Display	5.0-inch touchscreen (720P resolution)
Battery	6100mAh rechargeable Lithium Polymer
Connectivity	Wi-Fi
Vehicle Coverage	1996-2025 American, Asian, and European models (90+ brands)
Dimensions	11.02"L x 9.06"W x 3.54"H
Item Weight	1.2 pounds

WARRANTY AND SUPPORT

The LAUNCH CRP123X Elite OBD2 Scanner comes with lifetime free software updates, ensuring your device remains current with new vehicle data and diagnostic advancements.

For technical assistance, troubleshooting, or compatibility inquiries, you can utilize the "Diagnostic Online Feed-back" feature on the device to submit your issues directly to the LAUNCH professional tech team. Alternatively, you may contact LEO GLOBAL ELECTRONICS TECHNOLOGY LLC, the seller, for support.

Customer Service Phone: [+1-888-756-2936](tel:+18887562936) (Monday to Friday, 9:00 AM to 6:00 PM EST).

Please provide your vehicle's model, year, and VIN when contacting support for faster assistance.

Related Documents - CRP123X

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