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› LAUNCH CRP123X Plus OBD2 Scanner Diagnostic Tool User Manual

LAUNCH CRP123X Plus

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Model: CRP123X Plus

1. INTRODUCTION

The LAUNCH CRP123X Plus is an advanced OBD2 diagnostic scanner designed for comprehensive vehicle system analysis. This tool provides full-system diagnostics, essential reset functions, and real-time data monitoring to assist in identifying and resolving vehicle issues. It is suitable for both professional technicians and DIY enthusiasts.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x CRP123X Plus Diagnostic Tool
- 1 x OBDII Diagnostic Cable
- 1 x Charging Cable
- 1 x Carrying Bag
- 1 x User Manual

3. DEVICE OVERVIEW

The CRP123X Plus features a 5-inch touchscreen display, intuitive navigation buttons, and a robust design for automotive environments. It integrates an Android 7.0 operating system for efficient performance.

WHY CHOOSE LAUNCH CRP 123X PLUS?

2026 Upgraded LAUNCH Scanner Powerful as X431

All System Scan
Fast, Accurate, In-depth



3 Hottest Resets
Oil / SAS / Throttle Reset

150+ Brands Cover
1000+ Worldwide Models

- Full OBD2 Test Modes
- 10+ Languages Menu
- Wireless Update (Wi-Fi)
- Life Free Updates
- "MALL" for More Software



Image: The LAUNCH CRP123X Plus diagnostic tool displaying its user interface and highlighting its all-system diagnostic capabilities for various vehicle components like engines, transmissions, airbags, ABS, and more.

4. SETUP

4.1 Initial Power On

1. Connect the diagnostic tool to your vehicle's OBD2 port using the provided OBDII diagnostic cable. The device will power on automatically.
2. Alternatively, connect the charging cable to a power source to charge the internal 6100mAh battery.
3. Follow the on-screen prompts to complete the initial setup, including time zone and date settings.

4.2 Language Selection

The device supports 11 languages. To change the language:

1. From the main menu, tap on 'Settings'.
2. Select 'Language' and choose your preferred language from the list.



Image: The LAUNCH CRP123X Plus interface showing a selection of 11+ languages, including English, German, Spanish, Russian, Italian, Portuguese, French, Polish, Korean, and Japanese.

4.3 Wi-Fi Connection

Connecting to Wi-Fi is essential for software updates and online features.

1. Go to 'Settings' from the main menu.
2. Select 'WLAN' or 'Wi-Fi'.
3. Turn on Wi-Fi and select your desired network. Enter the password if prompted.

5. OPERATING INSTRUCTIONS

5.1 Connecting to Vehicle

1. Ensure the vehicle's ignition is in the 'ON' position (engine can be off or running).
2. Locate the vehicle's 16-pin OBD2 Data Link Connector (DLC), usually under the dashboard on the driver's side.
3. Plug the diagnostic cable into the vehicle's DLC. The tool will automatically establish communication.

5.2 All-System Diagnostics

The CRP123X Plus can perform diagnostics on all available electronic control units (ECUs) in the vehicle.

1. From the main menu, select 'Diagnose'.
2. Choose 'AutoVIN' for automatic vehicle identification (for 2006+ cars) or manually select vehicle make and model.
3. Select 'Health Report' or 'System Scan' to initiate a comprehensive scan of all systems (Engine, Transmission, ABS, SRS, etc.).
4. Review the diagnostic trouble codes (DTCs) and live data streams.
5. Select 'Clear DTCs' to erase fault codes after repairs are completed.

ALL SYSTEM DIAGNOSTICS

Faster Full-system Scan, Cover More Daily Services

- AutoVIN (2006+)
- Read Codes
- Clear Codes
- Live Data
- ECU Info.



Image: The LAUNCH CRP123X Plus performing an all-system diagnostic scan, showing options for AutoVIN, reading/clearing DTCs, graphic live data, and fast, accurate results across various vehicle systems like Engine, ABS, SRS, and Transmission.

5.3 Special Functions (Reset Services)

The tool provides three essential reset functions:

- **Oil Reset:** Resets the oil maintenance light after an oil change.
- **SAS Calibration:** Calibrates the Steering Angle Sensor (SAS) to ensure proper steering system function.
- **Throttle Adaptation:** Relearns the throttle body's idle position to restore normal engine operation.

1. From the main menu, select 'Service' or 'Reset'.
2. Choose the desired reset function (Oil Reset, SAS Reset, or Throttle Adaptation).
3. Follow the on-screen instructions to complete the procedure.

3 HOTTEST RESET SERVICES

One Tool to Handle the Most Common Repair Needs

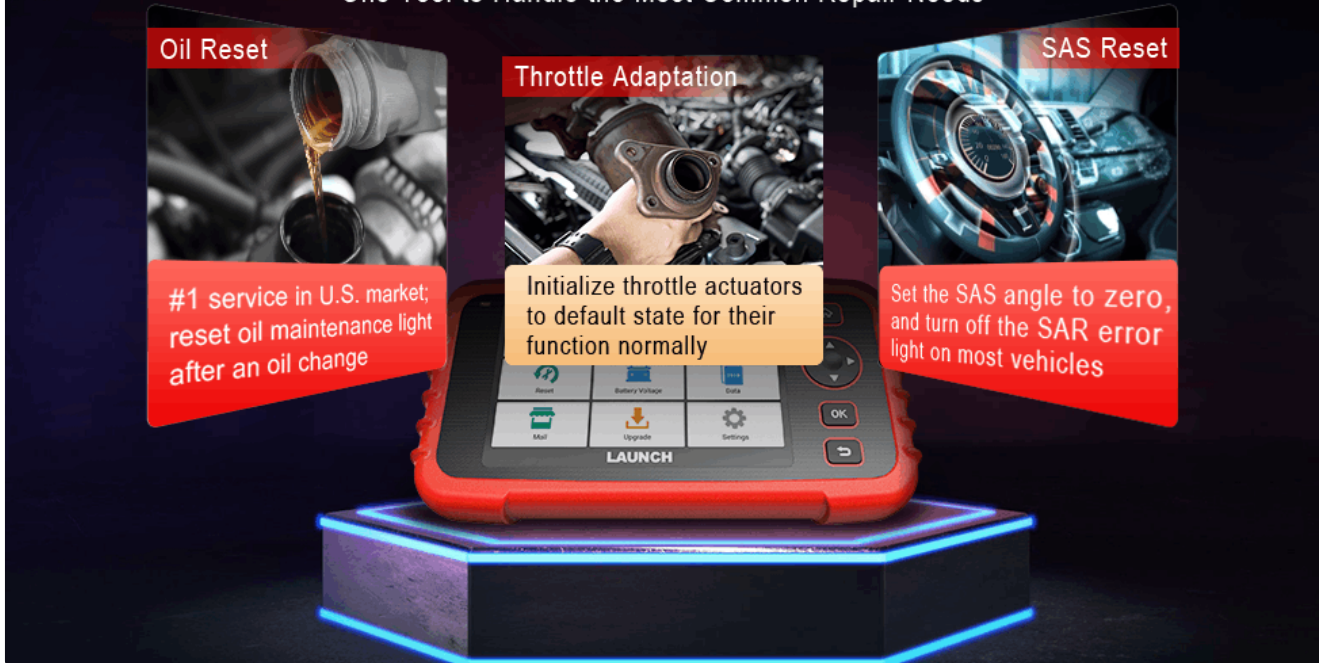


Image: The LAUNCH CRP123X Plus displaying its three key reset services: Oil Reset, SAS Reset (Steering Angle Sensor), and Throttle Adaptation, with descriptions of each function.

5.4 OBD2 Full 10 Mode Tests

The tool supports all 10 modes of OBD2 testing for comprehensive engine diagnostics.

1. From the main menu, select 'OBDII'.
2. Choose from the available test modes: Read/Erase Codes, Live Data Stream, Freeze Frame, I/M Readiness, O2 Sensor Test, On-Board Monitor Test, EVAP System Test, Vehicle Information, etc.
3. Follow the prompts to perform the selected test.

FULL OBD-II 10 MODE TESTS

Clear Check Engine Light, Handle Basic Car Issues

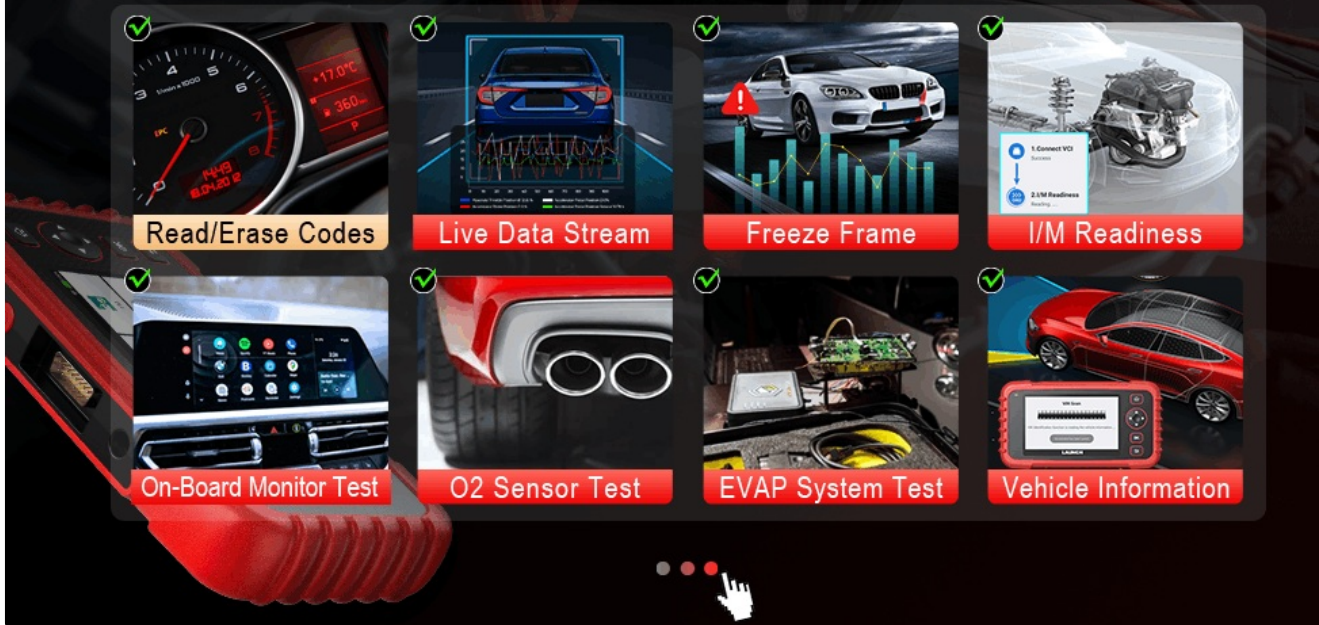


Image: The LAUNCH CRP123X Plus demonstrating its full OBD2 10 mode tests, including Read/Erase Codes, Live Data Stream, Freeze Frame, I/M Readiness, On-Board Monitor Test, O2 Sensor Test, EVAP System Test, and Vehicle Information.

5.5 Data Stream Analysis

View real-time sensor data in graphical format for up to four parameters simultaneously.

1. During a diagnostic session, select 'Live Data'.
2. Choose the parameters you wish to monitor.
3. Select 'Combine' to view multiple data streams on a single graph for easier comparison.

4-IN-1 GRAPHIC DATA STREAM

Check Real-Time Running Status, Pinpoint Faults



• Engine RPM

• Engine Load

• Vehicle Speed

• Air Flow

• Fuel Pressure

• More...



Overview of the Problem



Pinpoint Actual Faults



Overview of the Problem

Image: The LAUNCH CRP123X Plus screen showing a 4-in-1 graphic data stream, displaying real-time values for Engine RPM, Engine Load, Vehicle Speed, Air Flow, and Fuel Pressure, allowing for detailed fault pinpointing.

5.6 Battery Voltage Monitoring

Monitor the vehicle's battery voltage in real-time.

1. From the main menu, select 'Battery Voltage'.
2. The tool will display the current battery voltage in a graphical format.



Image: A vehicle battery with the LAUNCH CRP123X Plus screen showing a real-time graph of battery voltage monitoring.

5.7 Diagnostic Report Generation

Automatically generate, store, and share diagnostic reports.

1. After completing a diagnostic scan, the tool will prompt to generate a report.
2. Reports are stored in the 'Report' section.
3. Connect to Wi-Fi to share or print reports via email or other connected services.



Image: The LAUNCH CRP123X Plus displaying a diagnostic report on its screen, with icons for data record/replay, screenshot, and sharing options, alongside a laptop for report management.

6. MAINTENANCE AND UPDATES

6.1 Software Updates

The CRP123X Plus offers lifetime free updates to ensure compatibility with new vehicle models and diagnostic features.

1. Ensure the device is connected to a stable Wi-Fi network.
2. From the main menu, tap on 'Upgrade'.
3. Select the available updates and follow the on-screen instructions to download and install them.

6.2 Device Care

- Clean the device with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Store the device in its carrying bag in a dry, cool environment when not in use.

- Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods.

7. TROUBLESHOOTING

7.1 Common Issues and Solutions

- **Device does not power on:**
Ensure the OBDII cable is securely connected to the vehicle's DLC. Check if the vehicle's ignition is on. If using the charging cable, ensure it is properly connected to a power source and the device. The internal battery may be depleted; allow it to charge for a period.
- **Communication error with vehicle:**
Verify the OBDII cable connection. Ensure the vehicle supports the OBD2 protocol (most vehicles after 1996). Try connecting to a different vehicle to rule out a vehicle-specific issue. Check for bent pins in the OBDII connector.
- **Software update fails:**
Ensure a stable Wi-Fi connection. Check for sufficient storage space on the device. Restart the device and attempt the update again.
- **Screen is unresponsive:**
Restart the device. If the issue persists, contact customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	LAUNCH
Model	CRP123X PLUS V1
Operating System	Android 7.0
Screen Size	5 Inches
Power Source	Battery Powered
Battery Capacity	6100mAh
Memory	16GB (internal)
Connectivity	2.4GHz Wi-Fi, OBDII Cable
Automotive Fit Type	Universal Fit
Supported Protocols	OBDII/EOBD/JOBD & CAN

9. WARRANTY INFORMATION

The LAUNCH CRP123X Plus diagnostic tool comes with a **5-year manufacturer warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For detailed terms and conditions, refer to the warranty card included in your package or contact customer support.

10. CUSTOMER SUPPORT

For technical assistance, troubleshooting, or warranty inquiries, please contact LAUNCH customer support:

- **Website:** Visit the official LAUNCH website for FAQs and support resources.
- **Email:** Refer to your product packaging or the official website for support email addresses.
- **Phone:** Contact numbers may be available on the official LAUNCH website.

When contacting support, please have your product model (CRP123X Plus) and serial number ready.