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LAUNCH CRP123i V2.0 Elite

LAUNCH CRP123I V2.0 Elite OBD2 Scanner User Manual

Model: CRP123i V2.0 Elite

INTRODUCTION

The LAUNCH CRP123I V2.0 Elite OBD2 Scanner is a professional diagnostic tool designed for comprehensive vehicle system analysis. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your device to ensure optimal performance and accurate vehicle diagnostics.



Image: The LAUNCH CRP123I V2.0 Elite OBD2 Scanner, a red and black handheld device with a large screen displaying diagnostic options, connected via its OBDII cable.

KEY FEATURES

- **Enhanced Diagnostic Capabilities:** Upgraded 2.0 version with new features including Injector Coding, Brake Pad Reset, Battery Management System (BMS), ABS Auto Bleed, and D-P-F Reset, in addition to Oil Reset, Throttle Adaptation, and SAS Reset.
- **Faster Performance:** Equipped with a new chip, 8X faster processing speed, and twice the original memory for efficient operation.
- **Broad Vehicle Coverage:** Supports over 100 car brands worldwide, including FCA vehicles (Chryslers post-2017), and is compatible with all vehicles manufactured since 1996 across North America, Europe, Asia, and other regions (cars, SUVs, vans, trucks, and some hybrid models).
- **Four System Diagnostics:** Effectively diagnoses Engine, ABS, SRS (Airbag), and Transmission systems.
- **Real-time Data Monitoring:** Reads critical parameters like RPM, transmission temperature, fuel pressure, and

O2 sensor readings. Displays real-time data in a 4-in-1 format and supports diagnostic recording with photos, videos, and detailed reports.

- **Automatic Vehicle Identification:** Features Auto VIN technology for automatic detection of vehicle make, model, and year, simplifying the diagnostic process.
- **Lifetime Free Updates:** Provides perpetual access to the latest vehicle protocols, new special functions, and expanded database coverage via one-click WiFi updates, with no subscription fees or hidden charges.
- **User-Friendly Interface:** Features a 5-inch HD LED touchscreen with button combination for easy navigation.

SMARTER

Faster, Stronger, Smarter. The V2.0 Advantage.



CRP123I V2.0

⑦ 7 Special Functions

Simple WiFi
One-Click Updates

HD 5" HD LED Screen

Touchscreen
+ Button Combo

90+ Car Brand
Coverage

FCA Support FCA
Vehicles



CRP123I

- No Special Functions
- Complicated
USB Computer Updates
- 3.5" TFT Screen
- Buttons Only
- 50+ Car Brand
Coverage
- Not support

Image: A visual comparison highlighting the advancements of the CRP123I V2.0 Elite, including 7 special functions, simple WiFi updates, 5" HD LED screen, touchscreen + button combo, 90+ car brand coverage, and FCA vehicle support, compared to the older CRP123I model.

WHAT'S IN THE BOX

- 1x LAUNCH CRP123I V2.0 Car Scanner
- 1x Carrying Bag

- 1x OBDII diagnostic Cable
- 1x USB Cable & Charger
- 1x User Manual

ENGINE SCAN



Quickly read/clear engine codes, view live data, and identify common issues like:

- Low oil pressure
- Faulty oxygen sensors
- Coolant leaks
- Clogged radiators
- Fuel/air imbalance
- Spark plug failure

Prevent major damage before it costs you a new engine.

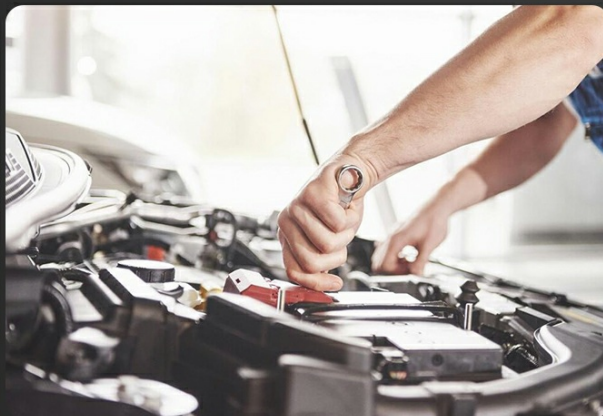


Image: An illustration showing the contents of the product package, including the CRP123I V2.0 scanner, carrying bag, OBDII cable, USB cable and charger, and user manual.

SETUP

1. Initial Device Setup

1. **Charge the Device:** Connect the scanner to a power source using the provided USB cable and charger. Ensure the device is fully charged before first use.
2. **Connect to Wi-Fi:** Navigate to the 'Settings' menu on the device, select 'Wi-Fi', and connect to an available network. A stable internet connection is required for updates.
3. **Perform Software Updates:** After connecting to Wi-Fi, go to the 'Upgrade' section. The device will automatically check for available updates. Download and install all necessary software updates to ensure the latest vehicle coverage and functions. This is crucial for optimal performance.

2. Connecting to Your Vehicle

1. **Locate OBDII Port:** The OBDII (On-Board Diagnostics II) port is typically located under the dashboard on the driver's side, though its exact position may vary by vehicle model. Refer to your vehicle's owner's manual if you cannot locate it.
2. **Connect Scanner:** Plug the OBDII diagnostic cable into the vehicle's OBDII port and the other end into the LAUNCH CRP123I V2.0 Elite scanner.
3. **Turn On Ignition:** Turn the vehicle's ignition to the "ON" position (engine off). The scanner will power on automatically.

SIMPLE

3 easy steps to use.



1
PLUG



2
UPDATE



3
DIAGNOSTIC



FIXED IT!



Note: It will be better to update before diagnose

Image: A graphic illustrating the three simple steps for using the scanner: Plug in, Update via WiFi, and Perform Diagnostic. A note advises to update before diagnosing.

OPERATING INSTRUCTIONS

1. Auto VIN & Auto Scan

Upon connection, the scanner will automatically detect your vehicle's VIN (Vehicle Identification Number) and initiate an auto scan. This feature streamlines the diagnostic process by automatically identifying your vehicle's make, model, and year.

2. System Diagnostics (Engine, ABS, SRS, Transmission)

The CRP123I V2.0 Elite allows for in-depth diagnostics of four core vehicle systems:

- **Engine System:** Reads and clears engine fault codes, views live data, and identifies common issues such as low oil pressure, clogged radiators, faulty oxygen sensors, coolant leaks, fuel/air imbalance, and spark plug failure.
- **ABS (Anti-lock Braking System):** Diagnoses and resets ABS warning lights by identifying issues like blown

fuses, faulty wheel sensors, or low brake fluid.

- **SRS (Supplemental Restraint System - Airbag):** Detects and clears airbag system faults to ensure proper crash protection, turn off warning lights, and avoid dangerous malfunctions.
- **Transmission System:** Monitors gear performance, system errors, and warning lights to help maintain optimal transmission function.

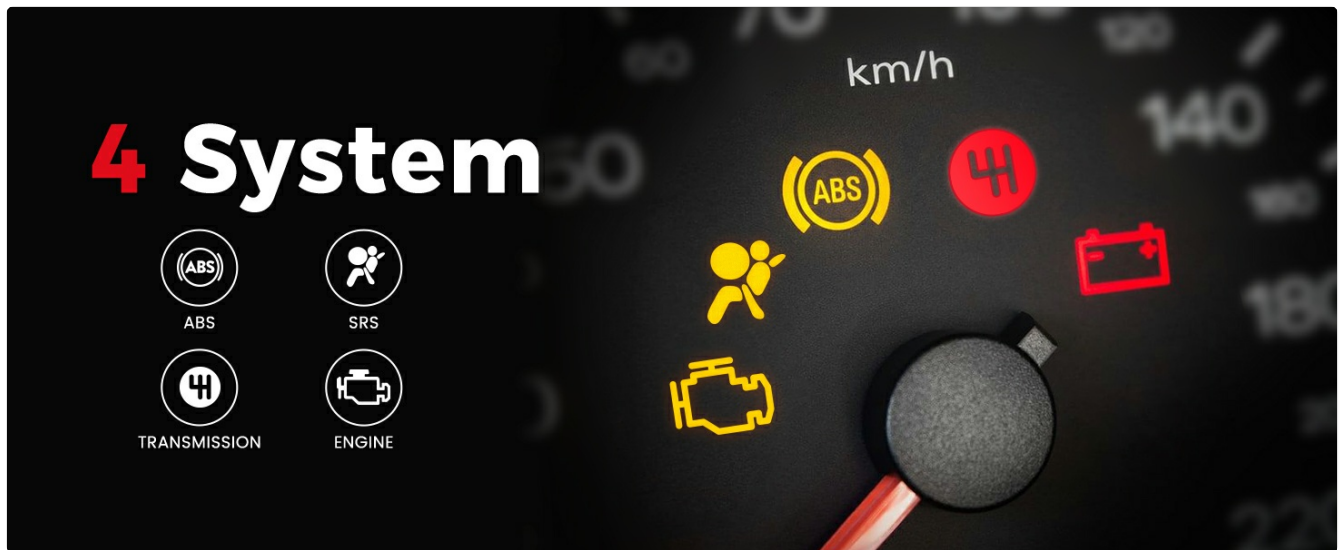


Image: A dashboard illustration highlighting the four main systems the scanner diagnoses: ABS, SRS (Airbag), Transmission, and Engine.

3. Special Functions (7 Maintenance Services)

The CRP123I V2.0 Elite offers seven essential maintenance and reset functions:

- **Oil Reset:** Turns off the service light after oil changes and resets the mileage counter for a new service cycle.
- **Throttle Adaptation:** Used when replacing the ECU/throttle assembly, disconnecting ECU power, cleaning the throttle body, or modifying the intake system.
- **SAS (Steering Angle Sensor) Reset:** Calibrates the steering angle sensor to find the zero-point for straight driving, required after replacing the steering angle sensor or steering gear/column/tie rods.
- **Injector Coding:** Programs new injector compensation codes to the ECU after replacement, ensuring correct fuel delivery.
- **Brake Pad Reset:** Retracts electronic parking brakes during service and resets the brake pad position post-replacement.
- **BMS (Battery Management System) Reset:** Fixes starting issues/electrical problems, monitors battery temperature and health (SOH), and corrects alternator charging irregularities.
- **ABS Auto Bleed:** Removes air for optimal braking after brake fluid replacement or when replacing brake components (calipers/lines/master cylinder), restoring a firm pedal feel.
- **DPF (Diesel Particulate Filter) Regeneration:** Initiates the regeneration process to clear the DPF, preventing clogging and maintaining engine performance.



Image: A collage of images representing the seven maintenance services: Brake Reset, BMS Reset, DPF Regeneration, Oil Reset, Throttle Adaptation, ABS Bleeding, and Steering Angle Calibration.

4. Live Data Stream

The device provides a 4-in-1 live data stream, allowing you to check the real-time running status and PIDs (Parameter IDs) of various systems. This includes data recording, freeze frame viewing, and instant error log viewing, which are crucial for in-depth diagnosis and monitoring vehicle performance.



Image: The scanner's screen displaying live data mapping, DTC library information, barometric pressure, and calculated engine torque, demonstrating its ability to catch issues before they become costly.

MAINTENANCE

1. Software Updates

The LAUNCH CRP123I V2.0 Elite comes with lifetime free software updates. Regularly updating your device ensures you have the latest vehicle protocols, new special functions, and expanded database coverage. To update, connect the device to Wi-Fi and navigate to the 'Upgrade' section. Follow the on-screen prompts to download and install

updates.



Image: The scanner's interface showing the "Upgrade" option, highlighting the benefit of free lifetime updates with no subscription fees or IP restrictions.

2. Cleaning and Storage

- Wipe the device with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Store the scanner in its provided carrying bag when not in use to protect it from dust and physical damage.
- Keep the device in a cool, dry place, away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|--------------------------------|---|--|
| Device does not power on. | Low battery; improper connection to vehicle. | Ensure the device is charged. Verify the OBDII cable is securely connected to both the vehicle's port and the scanner. Check vehicle's ignition is ON. |
| Cannot connect to vehicle ECU. | Incorrect vehicle protocol; faulty OBDII port; software outdated. | Ensure vehicle is OBDII compliant (1996 or newer for US). Try on another vehicle. Update scanner software. Check vehicle's OBDII port for damage. |
| Update failure. | Unstable Wi-Fi connection; insufficient storage. | Ensure a strong and stable Wi-Fi connection. Check available storage on the device and clear unnecessary files if needed. Restart the update process. |
| Screen is unresponsive. | Software glitch; physical damage. | Restart the device. If the issue persists, contact customer support. |

SPECIFICATIONS

| Attribute | Detail |
|--------------------|---------------------------|
| Brand | LAUNCH |
| Model | CRP123i V2.0 Elite |
| Item Weight | 2.35 pounds |
| Package Dimensions | 9.96 x 7.17 x 2.91 inches |

| Attribute | Detail |
|--------------------------|--|
| Batteries | 1 Lithium Ion battery required (included) |
| Operating System | Android 8.1 |
| Automotive Fit Type | Universal Fit |
| UPC | 860012848614 |
| Manufacturer Part Number | CRP129I V3.0 (Note: This may be a related model number, CRP123i V2.0 Elite is the primary model) |
| Date First Available | January 15, 2025 |

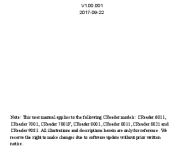

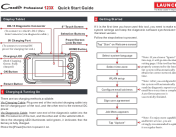

WARRANTY AND SUPPORT

The LAUNCH CRP123I V2.0 Elite OBD2 Scanner comes with a 5-year warranty, ensuring reliability and peace of mind. Additionally, it includes lifetime free software updates, guaranteeing your device remains current with the latest vehicle data and diagnostic capabilities without any recurring subscription fees.

For technical support, troubleshooting assistance, or warranty claims, please refer to the contact information provided in the physical user manual included with your product or visit the official LAUNCH website.

Related Documents - CRP123i V2.0 Elite

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|---|--|
| <div><p>FAQS for LAUNCH CRP123E</p><p>Q1: I'd like to know how to register the device? A: Visit Launch's website to register the device. For more information, please refer to the user manual.</p><p>Q2: I want to know how to register the device? A: Visit Launch's website to register the device. For more information, please refer to the user manual.</p><p>Q3: I want to know how to register the device? A: Visit Launch's website to register the device. For more information, please refer to the user manual.</p><p>Q4: I want to know how to register the device? A: Visit Launch's website to register the device. For more information, please refer to the user manual.</p><p>Q5: I want to know how to register the device? A: Visit Launch's website to register the device. For more information, please refer to the user manual.</p></div> | <div><p>LAUNCH CRP123E FAQs: Troubleshooting and Support</p><p>Frequently Asked Questions for the LAUNCH CRP123E automotive diagnostic tool, covering updates, registration, language support, features, package contents, troubleshooting, and more.</p></div> |
| <div><p>10 Things You Must Know Before Purchase</p><p>1. Before purchasing, please check the compatibility of the device with your vehicle. For more information, please refer to the user manual.</p><p>2. Before purchasing, please check the warranty of the device. For more information, please refer to the user manual.</p><p>3. Before purchasing, please check the features of the device. For more information, please refer to the user manual.</p><p>4. Before purchasing, please check the package contents of the device. For more information, please refer to the user manual.</p><p>5. Before purchasing, please check the troubleshooting of the device. For more information, please refer to the user manual.</p><p>6. Before purchasing, please check the registration of the device. For more information, please refer to the user manual.</p><p>7. Before purchasing, please check the updates of the device. For more information, please refer to the user manual.</p><p>8. Before purchasing, please check the language support of the device. For more information, please refer to the user manual.</p><p>9. Before purchasing, please check the package contents of the device. For more information, please refer to the user manual.</p><p>10. Before purchasing, please check the troubleshooting of the device. For more information, please refer to the user manual.</p></div> | <div><p>LAUNCH CRP123X OBD2 Scanner: Key Information Before Purchase</p><p>Essential guide covering 10 crucial points for LAUNCH CRP123X OBD2 scanner users, including compatibility, updates, warranty, usage tips, and included accessories. Learn about product features, support, and return policies.</p></div> |

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|  | <p>LAUNCH CReader Series User Manual</p> <p>This user manual provides comprehensive information on the LAUNCH CReader Series diagnostic tools, including models CReader 6011, 7001, 7001F, 8001, 8011, 8021, and 9081. It covers OBD II/EOBD diagnostics, product descriptions, connection and settings, diagnostic procedures, updates, and FAQs.</p> |
|  | <p>LAUNCH CRP123E Plus Elite: Frequently Asked Questions and Product Information</p> <p>Comprehensive FAQs for the LAUNCH CRP123E Plus Elite diagnostic scanner, covering updates, registration, language support, full system diagnostics, special functions, package contents, troubleshooting, vehicle compatibility, and purchasing options. Learn how to get the most out of your automotive diagnostic tool.</p> |
|  | <p>LAUNCH Creader Professional 123X Quick Start Guide</p> <p>A quick start guide for the LAUNCH Creader Professional 123X, detailing initial setup, charging, and basic diagnostic procedures.</p> |
|  | <p>LAUNCH CReader VII+ Upgrade Process Guide</p> <p>A step-by-step guide on how to upgrade the LAUNCH CReader VII+ automotive diagnostic scan tool using a TF card or USB cable. Includes software download, installation, and registration instructions.</p> |