

LAUNCH CRP909E

LAUNCH CRP909E OBD2 Scanner

USER INSTRUCTION MANUAL

1. Introduction

The LAUNCH CRP909E OBD2 Scanner is a professional diagnostic tool designed for comprehensive vehicle system analysis and maintenance. This device offers advanced features for automotive technicians and enthusiasts, providing accurate and efficient diagnostic capabilities for a wide range of vehicle models.

Key features include full system diagnostics, over 28 reset functions, full OBD2 modes, power balance testing, and extensive vehicle compatibility. The CRP909E operates on Android 7.0, features a 7-inch IPS touchscreen, and is equipped with a 6000mAh battery for extended use.



Image: The LAUNCH CRP909E OBD2 Scanner, showcasing its 7-inch touchscreen and robust design, ready for diagnostic tasks.

2. Package Contents

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

- LAUNCH CRP909E Main Unit
- Charger
- Power Adapter
- USB-C Cable
- OBD2 Diagnostic Cable
- User Manual (this document)
- Carry Box

ELEVATE YOUR DIAGNOSTIC PERFORMANCE

Empowering Every Repair

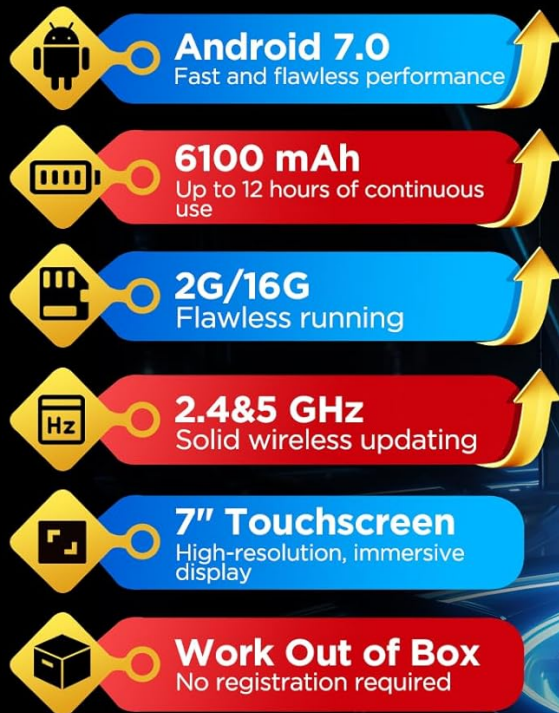


Image: Contents of the LAUNCH CRP909E package, including the scanner, charger, adapter, USB-C cable, OBD2 cable, user manual, and a protective carry box.

3. Setup and First Use

3.1 Powering On the Device

The CRP909E is equipped with a built-in Lithium Polymer battery. To power on, press and hold the power button located on the side of the device until the screen illuminates. Ensure the device is sufficiently charged before first use. Connect the charger if the battery level is low.

3.2 Initial Configuration

Upon first startup, the device will guide you through initial setup steps, including language selection, Wi-Fi connection, and time zone settings. A stable Wi-Fi connection is recommended for software updates and online features.

3.3 Software Updates

It is crucial to keep the device's software updated to ensure optimal performance and access to the latest vehicle models and diagnostic functions. The CRP909E offers 2 years of free updates. Connect to Wi-Fi and navigate to the

"Upgrade" section on the main menu to check for and install available updates.

USER-FRIENDLY DESIGN

Experience the ease, feel the power



- AUTOVIN
- Cloud Health Report
- Online Feedback
- Full OBD2 Functions
- Battery Test
- One-Click Update
- Repair Help
- History Diagnostic
- User Manual

Image: The user-friendly interface of the LAUNCH CRP909E, highlighting the "Upgrade" icon for software updates and other key functions like AutoVIN and Battery Test.

4. Operating the Scanner

4.1 Full System Diagnostics

The CRP909E can read and clear diagnostic trouble codes (DTCs) and view live data for all available vehicle systems. This includes, but is not limited to, Engine, Transmission, Airbag (SRS), Anti-lock Braking System (ABS), Electronic Stability Program (ESP), Tire Pressure Monitoring System (TPMS), Cruise Control, Gateway, Steering, Rain, Brake, Fuel, 4WD system, Radio, Air Conditioning, Central Locking, Electric Windows, and Xenon Headlights.

To perform a full system scan:

1. Connect the OBD2 diagnostic cable to the vehicle's OBD2 port and the scanner.
2. Turn the vehicle's ignition to the ON position (engine off).
3. Select "Diagnose" from the main menu.
4. The device will automatically detect the vehicle's VIN (Auto-VIN Scan) or prompt for manual entry.

5. Follow the on-screen instructions to initiate a full system scan.
6. Review the generated Cloud Health Report for a comprehensive overview of vehicle health.



Image: The LAUNCH CRP909E connected to a vehicle, illustrating its capability to perform OE All Systems Diagnostics, including reading and clearing DTCs across various modules like ABS, SRS, and Engine.

4.2 Special Functions and Maintenance Services

The CRP909E provides over 28 common reset and maintenance functions. These functions allow for specific component calibration, adaptation, or reset procedures after repairs or part replacements. Some of the key functions include:

- **Oil Light Reset:** Resets the oil service light after an oil change.
- **Electronic Parking Brake (EPB) Reset:** Deactivates and reactivates the brake control system for brake pad replacement.
- **Diesel Particulate Filter (DPF) Regeneration:** Clears particulate matter from the DPF filter.
- **Steering Angle Sensor (SAS) Calibration:** Calibrates the steering angle sensor.
- **Tire Pressure Monitoring System (TPMS) Reset:** Resets TPMS sensors after tire rotation or replacement.
- **ABS Bleeding:** Performs brake bleeding to restore ABS brake sensitivity.

- **Throttle Adaptation:** Initializes the throttle actuator to the default state.
- **Injector Coding:** Codes new injector numbers to the ECU.
- **Battery Management System (BMS) Reset:** Registers new battery replacement.
- **Gear Learning:** Completes gear learning after engine ECU replacement or crankshaft position sensor replacement.
- **Sunroof Reset, Suspension Reset, AFS Headlamp Reset, Gearbox Reset, A/C System Relearn, A/F Reset, Coolant Bleed, Language Change, NOx Sensor Reset, Seats Calibration, Stop/Start Reset, Transport Mode, Tyre Reset, Windows Calibration.**

To access these functions, select "Reset" from the main menu and choose the desired service function. Follow the on-screen prompts carefully.

28+ SPECIAL FUNCTIONS

One Tool for 99% of Repairs With 160+ Brands


TPMS Reset


ABS Reset


Stop/Start Reset


Throttle Relearn


Oil Reset


AFS Reset


Brake Reset


Gear Learning


Injector Coding


D-P-F Regeneration

• A/C Relearn

• SUS Reset

• Sun Roof

• Battery Matching

• Window Calibration

• Seat Calibration

• More.....



How to Get More:

1. Local Diagnose

➡➡➡

2. Car Model

➡➡➡

3. System Selection

➡➡➡

4. 100+Special Functions

Image: A visual representation of the 28+ special functions available on the LAUNCH CRP909E, including TPMS Reset, ABS Reset, Throttle Relearn, and Oil Reset.

4.3 Full OBDII Functions

The CRP909E supports all 10 OBDII test modes, allowing for comprehensive engine and emission-related diagnostics:

- Read Codes (P0, P1, P2, P3, U0, U1)
- Erase Codes and Reset
- Live Data Stream
- I/M Readiness Status
- Freeze Frame Data
- O2 Sensor Test
- On-Board Monitor Test
- Component Test
- Vehicle Information (VIN, CIN, CVN)
- Modules Present

Access these functions via the "OBD II" icon on the main menu.

4.4 Real-Time Data Stream

The device can display live sensor data in text, graph, or gauge format, allowing for real-time monitoring of vehicle performance parameters such as engine RPM, vehicle speed, oil temperature, misfire data, and tire pressure. The 4-in-1 graphic display mode is particularly useful for comparing multiple data streams simultaneously.

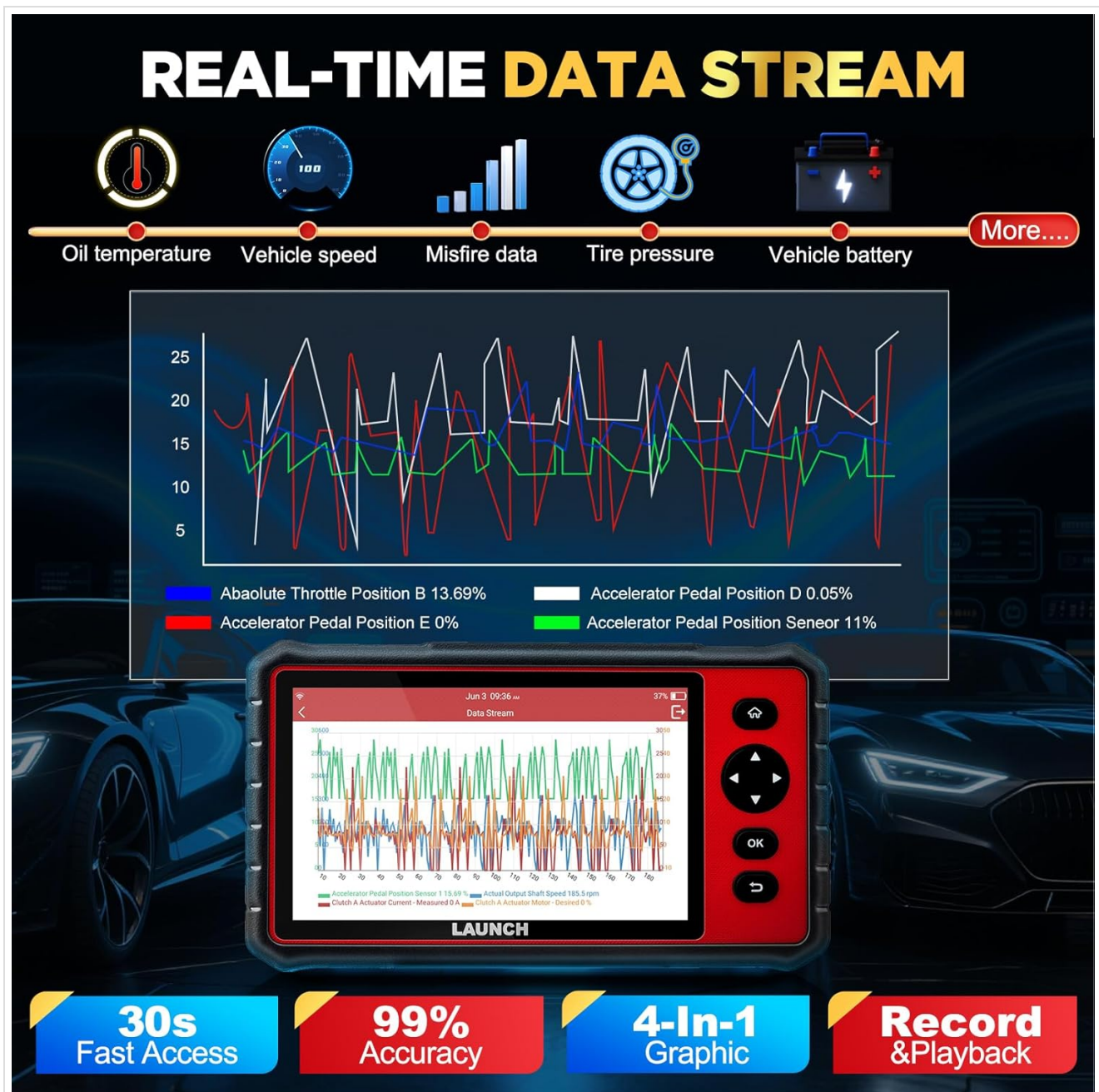


Image: The LAUNCH CRP909E displaying real-time data streams in a graphical format, showing parameters like oil temperature, vehicle speed, and accelerator pedal positions for detailed analysis.

4.5 Vehicle Compatibility

The LAUNCH CRP909E supports 12V passenger cars, hybrid cars, diesel cars, pickups, light trucks, SUVs, gasoline cars, minivans, caravans, and vans from 1996 to 2025. It covers OBD2/EOBD/KOBD/CAN protocols and is compatible with over 160 car brands globally, including major manufacturers from USA, Europe, and Asia. For OBD1 and JOBD vehicles, an appropriate adapter is required (sold separately).

GLOBAL VEHICLE COVERAGE
Cover Up to 160+ Car Brands, No IP Limit

USA:

- Fit for GM;
- Fit for Ford;
- Fit for Chrysler;
- Fit for Jeep;
- Fit for Dodge;
- Fit for Buick;
- Fit for Cadillac;
- Fit for Chevy;
- More...

Europe:

- Fit for Benz;
- Fit for BMW;
- Fit for Audi;
- Fit for VW;
- Fit for Fiat;
- Fit for Landrover;
- Fit for Skoda;
- Fit for Porsche;
- More...

Asia:

- Fit for Honda;
- Fit for Toyota;
- Fit for Infiniti;
- Fit for Kia;
- Fit for Hyundai;
- Fit for Nissan;
- Fit for Isuzu;
- Fit for Subaru;
- More...

FAC AUTOAUTH

Support 1984-2025 Car Model

11 Languages

Image: A map illustrating the global vehicle coverage of the LAUNCH CRP909E, highlighting compatibility with major car brands across USA, Europe, and Asia, along with support for 11 languages.

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your CRP909E scanner.

- **Cleaning:** Use a soft, damp cloth to clean the device's screen and body. Avoid abrasive cleaners or solvents.
- **Storage:** Store the device in its protective carry box in a cool, dry place when not in use. Avoid extreme temperatures.

- **Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. If storing for an extended period, charge the battery to about 50% and recharge every few months.
- **Software Updates:** Regularly check for and install software updates to ensure compatibility with new vehicle models and access to enhanced features.

6. Troubleshooting

This section addresses common issues you might encounter with your CRP909E scanner.

Problem	Possible Cause	Solution
Device does not power on.	Low battery; power button not held long enough; device malfunction.	Charge the device for at least 30 minutes. Press and hold the power button for 3-5 seconds. If issue persists, contact support.
No communication with vehicle.	Loose OBD2 connection; vehicle ignition off; incompatible vehicle protocol; blown vehicle fuse.	Ensure OBD2 cable is securely connected. Turn ignition to ON. Verify vehicle compatibility. Check vehicle's OBD2 port fuse.
Software update fails.	Unstable Wi-Fi connection; insufficient storage; server issue.	Ensure strong Wi-Fi signal. Check available storage space. Try updating again later.
Screen freezes or is unresponsive.	Software glitch; system overload.	Perform a forced restart by holding the power button until the device shuts down, then restart.

For more detailed troubleshooting or issues not listed here, utilize the "Online Feedback" or "Repair Help" functions available on the device, or refer to the official user manual PDF linked in the support section.

7. Specifications

Feature	Detail
Model	LAUNCH CRP909E
Operating System	Android 7.0
Display	7-inch IPS Touchscreen
Battery	6000mAh Lithium Polymer
Memory	2GB RAM / 16GB Storage (internal)
Connectivity	Wi-Fi (2.4 & 5 GHz)
Dimensions	Approximately 15 x 10.83 x 5.59 inches (Package)
Item Weight	Approximately 6.89 pounds
Supported Protocols	OBD2/EOBD/KOBD/CAN
Update Policy	2 Years Free Update


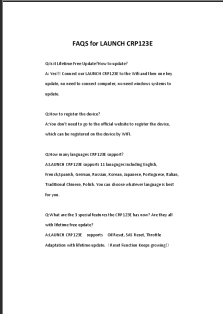

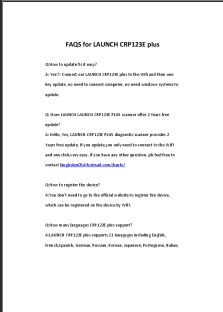
8. Warranty and Support

The LAUNCH CRP909E comes with a commitment to ongoing support and updates.

- **Free Updates:** Enjoy 2 years of free software updates to ensure your device remains current with the latest vehicle data and diagnostic capabilities.
- **Technical Support:** For technical assistance, troubleshooting, or inquiries, utilize the "Online Feedback" or "Repair Help" features directly on your device.
- **Official User Manual:** A detailed user manual in PDF format is available for download. For comprehensive instructions and advanced operations, please refer to the official document: [LAUNCH CRP909E User Manual \(PDF\)](#).

© 2025 LAUNCH. All rights reserved.

Related Documents - CRP909E

 <p>Version: V1.00.000 Revised date: 01-08-2023</p>	<h2>LAUNCH Diagnostic Tool User Manual: Features, Operation, and Maintenance</h2> <p>This comprehensive user manual for the LAUNCH diagnostic tool (FCC ID: XUJWO0805A) guides users through its extensive features, including intelligent and local vehicle diagnosis, a wide array of service functions like resets and calibrations, remote diagnostics, software updates, and support for various modules such as ADAS and TPMS. It provides essential setup, operation, and safety information for automotive professionals and advanced DIY users.</p>
 <p>FAQS for LAUNCH CRP123E</p> <p>Q: How do I know if my device needs to be updated?</p> <p>A: Yes! I found out LAUNCH CRP123E has the USB and the software, which is used to connect computer, connect software system to update.</p> <p>Q: How to register the device?</p> <p>A: You don't need to go to the official website to register the device, which can be registered on the device by itself.</p> <p>Q: How to use language CRP123E support?</p> <p>A: LAUNCH CRP123E supports 11 languages including English, French, Spanish, Italian, Russian, Portuguese, Polish, Czech, Slovak, Hungarian, Romanian, Bulgarian, Greek, and Chinese.</p> <p>Q: What are the 3 special functions for CRP123E? How can I find them all with the device?</p> <p>A: LAUNCH CRP123E supports: (1) Update, (2) Reset, (3) Test.</p> <p>A: LAUNCH CRP123E supports: (1) Update, (2) Reset, (3) Test.</p>	<h2>LAUNCH CRP123E FAQs: Troubleshooting and Support</h2> <p>Frequently Asked Questions for the LAUNCH CRP123E automotive diagnostic tool, covering updates, registration, language support, features, package contents, troubleshooting, and more.</p>
 <p>V1.00.000 01-08-2023</p> <p>Copyright © 2023 LAUNCH. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without prior written permission from LAUNCH. For more information, please contact LAUNCH.</p>	<h2>LAUNCH Creader Professional 919E User Manual: Comprehensive Automotive Diagnostic Guide</h2> <p>Explore the capabilities of the LAUNCH Creader Professional 919E diagnostic tool with this user manual. Learn about full system diagnosis, ECU coding, 31+ service functions, OBD II, battery testing, and TPMS for professional automotive repair.</p>
 <p>FAQS for LAUNCH CRP123E plus</p> <p>Q: How to add the device?</p> <p>A: Yes! I found out LAUNCH CRP123E plus has the USB and the software, which is used to connect computer, connect software system to update.</p> <p>Q: How to use language CRP123E plus support?</p> <p>A: LAUNCH CRP123E plus supports 11 languages including English, French, Spanish, Italian, Russian, Portuguese, Polish, Czech, Slovak, Hungarian, Romanian, Bulgarian, Greek, and Chinese.</p> <p>Q: What are the 3 special functions for CRP123E plus?</p> <p>A: LAUNCH CRP123E plus supports: (1) Update, (2) Reset, (3) Test.</p> <p>Q: How can I find them all with the device?</p> <p>A: LAUNCH CRP123E plus supports: (1) Update, (2) Reset, (3) Test.</p>	<h2>LAUNCH CRP123E Plus Elite: Frequently Asked Questions and Product Information</h2> <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>

<div><div>V1100-001</div><div>2017-09-01</div></div> <div><div>Star: We reserve copyright for the following (Creader models): Creader 6011, Creader 701, Creader 7001, Creader 7001F, Creader 801, Creader 8011, Creader 8021, and Creader 9081. All trademarks and descriptions herein are subject to change. We reserve the right to make changes due to software updates and/or other factors.</div></div>	<div><div>LAUNCH CReader Series User Manual</div><div>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.</div></div>
<div><div>V2100-001</div><div>11-10-2022</div></div> <div><div>Disclaimer: LAUNCH reserves the copyright intellectual property rights for the software used in this product. For any reason regarding or relating to the product, LAUNCH will assume the role of the product and reserve the right to provide the right to the user.</div></div>	<div><div>LAUNCH Creader Professional 919E User Manual: Comprehensive Vehicle Diagnostics</div><div>User manual for the LAUNCH Creader Professional 919E diagnostic tool, detailing OBD II functions, system diagnostics, reset services, and maintenance procedures for automotive professionals.</div></div>