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› **LAUNCH CRP123 V2.0 Elite OBD2 Scanner, 2025 New Engine/ABS/SRS/Transmission Car Diagnostic Tool With Oil Reset/Throttle Adaption/SAS Relearn , Check Engine Code Reader, Lifetime Free Update Scan Tool**

LAUNCH CRP123

LAUNCH CRP123 V2.0 Elite OBD2 Scanner User Manual

MODEL: CRP123 | BRAND: LAUNCH

Introduction

The LAUNCH CRP123 V2.0 Elite OBD2 Scanner is a powerful and user-friendly diagnostic tool designed for automotive professionals and enthusiasts. It provides comprehensive diagnostics for four main vehicle systems: Engine, Anti-lock Braking System (ABS), Supplemental Restraint System (SRS), and Transmission. This manual provides detailed instructions on how to set up, operate, maintain, and troubleshoot your device to ensure optimal performance and accurate vehicle diagnostics.

Setup

What's in the Box:

- 1pc x Launch CRP123 Main unit
- 1pc x OBDII cable
- 1pc x USB Cable
- 1pc x USB Sticker
- 1pc x User Manual

Initial Setup and Connection:

1. Locate your vehicle's OBDII port, typically found under the dashboard on the driver's side.

2. Connect the provided OBDII cable to the CRP123 V2.0 main unit and then to the vehicle's OBDII port. The device will power on automatically.

3. Turn the vehicle's ignition to the 'ON' position (engine off) or start the engine as required by the diagnostic function.

Figure 1: LAUNCH CRP123 V2.0 Elite OBD2 Scanner Main Unit.

Figure 2: Rear view of the CRP123 V2.0 showing the OBDII cable connection port.

Initial Device Boot-up:

Upon successful connection, the device will boot up and display the main menu. Ensure the TF card is properly initialized for full functionality.

Video: LAUNCH CRP123 Open box and How to Use it? (Source: Kingbolen)

Video: Launch crp123 scan tool demonstration. (Source: Kingbolen)

Operating Instructions

4-System Diagnosis:

The CRP123 V2.0 provides diagnostic capabilities for four core vehicle systems: Engine, Transmission, ABS, and SRS. This allows for comprehensive fault code reading and clearing across these critical areas.

Figure 3: Overview of the 4-System Diagnosis capabilities.

3 Hot Reset Services:

The device includes three commonly used reset functions for efficient maintenance:

- **Oil Reset:** Resets the oil life system after an oil change.
- **Throttle Adaptation:** Optimizes engine performance by adapting the throttle position.
- **SAS (Steering Angle Sensor) Relearn:** Enhances vehicle handling and safety by recalibrating the steering angle sensor.

Figure 4: Illustration of the three hot reset services.

Video: How to Reset Airbag Dash Light for VW golf? (Source: Kingbolen)

Comprehensive OBDII Functions:

The CRP123 V2.0 supports all 10 modes of OBDII, providing detailed diagnostic capabilities:

- **Read & Clear DTCs:** Reads and erases diagnostic trouble codes.
- **I/M Readiness:** Checks emission system readiness for inspection.
- **Data Stream:** Displays live PCM data in text or graph format.
- **Freeze Frame:** Captures a snapshot of vehicle conditions when a fault code is set.
- **O2 Sensor Test:** Monitors oxygen sensor performance.
- **On-Board Monitoring:** Tests components and systems.
- **EVAP System Test:** Checks the evaporative emission control system.
- **Vehicle Information:** Retrieves VIN, CIN, and CVN.

Figure 5: Display of full OBDII diagnostic functions.

Intuitive Live Data Stream:

The device allows for real-time viewing of live data streams from the Engine, AT, ABS, and SRS systems. Data can be displayed graphically, recorded, played back, and printed for detailed analysis.
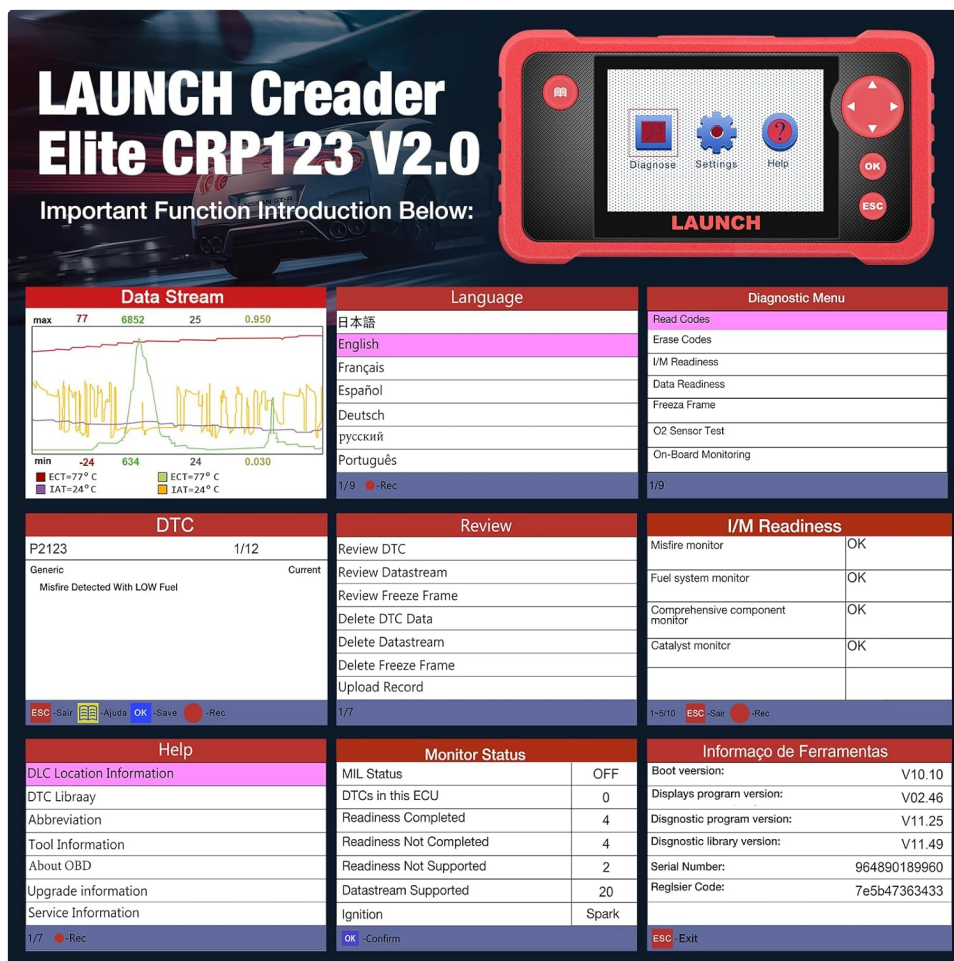
Figure 6: Example of live data stream display.

Figure 7: Smart Diagnostics interface for monitoring system status.

Maintenance

Lifetime Free Software Updates:

The LAUNCH CRP123 V2.0 OBD2 scanner supports lifetime software updates, ensuring continuous improvement with the latest vehicle data and functions. Updates are performed via connection to a Windows PC.

Figure 8: Illustration of the software update process using a PC.

Troubleshooting

Common Issues and Solutions:

- **Device not charging:** Check the charging cable. If the issue persists, it may indicate a product problem.
- **Slow loading:** This may be due to a network problem. Try switching to a more stable network connection.
- **Software updates:** The CRP123 V2.0 can only be connected with Windows systems for downloading software or updates, not iOS systems.
- **System limitations:** This is a four-system tool and cannot scan other systems beyond Engine, ABS, SRS, and Transmission.
- **Auto scan function:** The auto scan function is only for OBD2 vehicles after 2006, not all vehicles or all years.
- **Vehicle compatibility:** Does not work with trucks.

Specifications

Brand	LAUNCH
Product Dimensions	9"L x 8"W x 2"H
Operating System	Windows
Display Resolution	320 x 480
Automotive Fit Type	Universal Fit
Item Weight	1.47 pounds
Country of Origin	China
Model Number	CRP123
Batteries	1 Lithium Ion batteries required.

Warranty and Support

The LAUNCH CRP123 V2.0 OBD2 scanner comes with 5 years of backup support. For any technical assistance, 24/7/365 technical support is available. Additionally, a 90-day no-questions-asked return/refund policy is offered.

Related Documents - CRP123

	LAUNCH CRP123E FAQs: Troubleshooting and Support Frequently Asked Questions for the LAUNCH CRP123E automotive diagnostic tool, covering updates, registration, language support, features, package contents, troubleshooting, and more.
	LAUNCH CRP123 PLUS FAQs: Download, Registration, Updates, and Troubleshooting Frequently Asked Questions (FAQs) for the LAUNCH CRP123 PLUS OBD2 scanner, covering software downloads, device registration and updates, troubleshooting common issues, system compatibility, and package contents.
	LAUNCH CRP123 V2.0 Plus Elite User Manual Comprehensive user manual for the LAUNCH CRP123 V2.0 Plus Elite OBD2 scanner, covering product features, diagnostics, updates, and warranty information.

[LAUNCH Creader Professional CRP123 User's Manual](#)

Comprehensive guide to the LAUNCH Creader Professional CRP123 automotive diagnostic tool, covering OBD II testing, DTC reading/clearing, live data graphing, special tests, and software updates.

[LAUNCH CRP123X OBD2 Scanner: Key Information Before Purchase](#)

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.

[LAUNCH CReader VII+ Upgrade Process Guide](#)

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.