LAUNCH CRPS7

LAUNCH Creader Professional S7 OBD2 Diagnostic Tool User Manual

Model: CRPS7 | Brand: LAUNCH

1. Introduction and Overview

The LAUNCH Creader Professional S7 is a professional diagnostic tool designed for vehicle maintenance and repair. It offers comprehensive OBDII/EOBD diagnostic functions and allows for reading and clearing error codes from all installed control units for up to 5 selected vehicle brands. The device supports live data stream display and recording, making it an essential tool for pre-workshop diagnostics and routine inspections.


Creader PROFESSIONAL
S7
Diagnosemenü
Codes lesen
Fehlercodes löschen
I/M Bereitschaft
Datensatz
Standbild
Test der Lamdasonde
On-Board-Überwachung
Test EVAP-System
Fahrzeug Information
1/9
DTC F1
ER F2
I/M F3
F4
OK

Image 1.1: The LAUNCH Creader Professional S7 device showing its diagnostic menu options, including 'Read Codes' and 'Clear Fault Codes'.

2. What's in the Box

Upon unpacking your LAUNCH Creader Professional S7, please ensure all the following components are present:

- LAUNCH Creader Professional S7 OBD2 Diagnostic Device
- 5 Brand-Specific Diagnostic Software Packages (pre-installed or available for download)
- 16-pin OBD Cable Adapter
- USB Cable
- Quick Start Guide
- Carrying Bag



Image 2.1: The LAUNCH Creader Professional S7 device, its protective carrying bag, and the included OBD and USB cables.

3. Setup Instructions

3.1 Initial Device Power-Up

1. Connect the 16-pin OBD cable to the Creader Professional S7 device.
2. Locate your vehicle's OBD-II port, typically found under the dashboard on the driver's side.

3. Plug the OBD cable into the vehicle's OBD-II port. The device will power on automatically.
4. Follow the on-screen prompts to select your preferred language and region.

3.2 Software Update

To ensure optimal performance and access to the latest vehicle data, it is recommended to update the device software regularly.

1. Connect the Creader Professional S7 to a computer using the provided USB cable.
2. Visit the official LAUNCH website for the Creader Professional S7 product page to download the update tool.
3. Install and run the update tool on your computer.
4. Follow the instructions provided by the update tool to download and install the latest software and vehicle brand packages onto your device. You will need to select 5 vehicle brands to work with initially.



Image 3.1: The Creader Professional S7 showing its software update progress and a menu for selecting specific vehicle models for diagnostic functions.

4. Operating Instructions

The Creader Professional S7 provides various diagnostic functions accessible through its intuitive menu.

4.1 Basic OBDII/EOBD Functions

1. **Read Codes:** Select this option to retrieve Diagnostic Trouble Codes (DTCs) from the vehicle's Engine Control Unit (ECU).
2. **Clear Codes:** After repairs are made, select this option to erase DTCs and turn off the Malfunction Indicator Lamp (MIL).
3. **I/M Readiness:** Check the status of emission-related monitoring systems to ensure the vehicle is ready for an emissions test.
4. **Data Stream:** View real-time data parameters from the vehicle's sensors and components. This data can be displayed graphically or numerically.
5. **Freeze Frame:** View a snapshot of vehicle operating conditions recorded when an emission-related fault occurred.
6. **O2 Sensor Test:** Retrieve O2 sensor monitoring test results for the most recently completed tests from the vehicle's on-board computer.
7. **On-Board Monitor Test:** Retrieve results for emission-related powertrain components and systems that are not continuously monitored.
8. **EVAP System Test:** Initiate a test of the evaporative emission system.
9. **Vehicle Information:** Display the vehicle's Vehicle Identification Number (VIN), Calibration ID (CALID), and Calibration Verification Number (CVN).



Image 4.1: The Creader Professional S7 connected to a vehicle's OBD-II port, showing the 'On-Board Monitoring' function in action.

4.2 Special Functions (for selected vehicle brands)

The Creader Professional S7 supports various special functions for the 5 vehicle brands you have selected during setup. These functions allow for more advanced maintenance and service operations.

- **Oil Lamp Reset:** Reset the oil service light after an oil change.
- **Battery Reset:** Register a new battery replacement with the vehicle's ECU.
- **Electronic Parking Brake (EPB) Reset:** Deactivate and reactivate the EPB system for brake pad replacement.
- **Steering Angle Sensor (SAS) Reset:** Calibrate the steering angle sensor after steering system repairs.
- **Injector Programming:** Program new injector compensation values to the ECU.
- **Diesel Particulate Filter (DPF) Reset:** Perform DPF regeneration or reset the DPF light.
- **ABS Bleeding:** Perform automated bleeding procedures for the Anti-lock Braking System.



Image 4.2: The Creader Professional S7 interface showing icons and text for various special functions, including oil lamp reset, battery reset, and DPF reset.

5. Maintenance

To ensure the longevity and proper functioning of your LAUNCH Creader Professional S7, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the device in its carrying bag in a cool, dry place away from direct sunlight and extreme temperatures.
- **Software Updates:** Regularly check for and install software updates as described in Section 3.2 to maintain compatibility with new vehicle models and ensure access to the latest diagnostic features.
- **Cable Care:** Inspect the OBD and USB cables periodically for any signs of damage. Replace damaged cables immediately to prevent electrical issues or improper communication.

6. Troubleshooting

If you encounter issues with your Creader Professional S7, refer to the following common troubleshooting steps:

- **Device Does Not Power On:** Ensure the OBD cable is securely connected to both the device and the vehicle's OBD-II port. Verify the vehicle's ignition is on.
- **Communication Error:** Check the OBD cable for damage. Ensure the vehicle's ignition is on and the battery has sufficient charge. Try connecting to a different vehicle to rule out a vehicle-specific issue.
- **Software Update Failure:** Ensure a stable internet connection during updates. Verify the USB cable connection to the computer. If issues persist, try a different USB port or computer. Ensure the update tool is the correct version for your device.
- **Incorrect Vehicle Information:** Ensure the correct vehicle make, model, and year are selected in the device's menu.
- **Function Not Available:** Some advanced functions are specific to certain vehicle brands and models. Ensure your selected vehicle brands support the desired function and that your software is up to date.

7. Specifications

Feature	Specification
Brand	LAUNCH
Model	CRPS7
Item Weight	800 g
Product Dimensions (L x W x H)	25.7 x 18.7 x 8.4 cm
Model Number	CR-301050356
Power Source	Cable Electric (via OBD-II port or USB)
Screen Size	4 Inches
UPC	884508003899



Image 7.1: Visual representation of the Creader Professional S7's dimensions and the components included in the package, such as the OBD cable, USB stick, and charging cable.

8. Warranty and Support

For warranty information and technical support, please refer to the documentation included with your product or visit the official LAUNCH website. LAUNCH provides customer support for product inquiries, troubleshooting assistance, and warranty claims.

Manufacturer: LAUNCH

Contact: Please visit the LAUNCH Brand Store or the official LAUNCH website for support resources.

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