Manuals+
Q & A | Deep Search | Upload

LAUNCH LAUNCH CRP919X

LAUNCH X431 CRP919X Car Scanner User Manual

Model: LAUNCH CRP919X

Introduction

The LAUNCH X431 CRP919X is an advanced automotive diagnostic tool designed for comprehensive vehicle system analysis and maintenance. This device offers a wide range of functions, including ECU coding, bi-directional control, and over 35 reset services, making it suitable for both professional technicians and advanced DIY enthusiasts. It supports a vast array of vehicle models from 1996 to 2025, incorporating modern protocols like CAN FD and DoIP, and providing access to FCA SGW.

Figure 1: The LAUNCH X431 CRP919X Car Scanner, showcasing its robust design and user interface.

What's in the Box

Upon unboxing your LAUNCH X431 CRP919X, verify that all components are present:

- 2025 LAUNCH ELITE CRP919X OBD2 Scanner x 1
- OBD2 Diagnostic Cable x 1
- DC 5V Charging Cable x 1
- US/UK/EU Plug Adapter x 1
- Multilingual Quick Start Guide x 1

Figure 2: Included accessories and components with the LAUNCH X431 CRP919X diagnostic tool.

Setup and Initial Use

1. **Charging the Device:** Connect the DC 5V Charging Cable to the scanner and a power outlet using the provided adapter. Ensure the device is fully charged before first use.
2. **Power On:** Press and hold the power button to turn on the scanner.
3. **Wi-Fi Connection:** Navigate to the settings menu and connect the device to a stable Wi-Fi network. This is crucial for software updates and online functions.
4. **Software Updates:** After connecting to Wi-Fi, check for and install any available software updates to ensure optimal performance and access to the latest features and vehicle coverage.
5. **Connecting to Vehicle:** Locate the vehicle's OBD2 port (usually under the dashboard). Connect the OBD2 Diagnostic Cable from the scanner to the vehicle's OBD2 port.

Operating Instructions

1. Full System Diagnostics

The CRP919X provides OE-level full system diagnostics, allowing you to scan all available electronic control units (ECUs) in the vehicle. This includes systems such as Engine, ABS, Airbag, Transmission, TPMS, and more. The tool can read and clear Diagnostic Trouble Codes (DTCs), display live data streams, and access ECU information.

- **Auto VIN Scan:** This feature automatically identifies the vehicle's VIN (Vehicle Identification Number) for quick and accurate vehicle identification. For older models without Auto VIN capability, manual selection is available.
- **Read Codes:** Retrieve current, pending, and permanent diagnostic trouble codes.
- **Clear Codes:** Erase DTCs from the vehicle's memory after repairs are completed.
- **Live Data Stream:** View real-time data parameters from various sensors and components. The 8-in-1 graphing feature allows for simultaneous display of multiple data streams for detailed analysis.

Figure 3: Overview of OE-level system diagnostics capabilities, including Engine, ABS, Airbags, IMMO, and Air Conditioning systems.

Figure 4: Depiction of various diagnostic features including full OBD modes, Auto VIN, live data graphing, and report generation.

2. ECU Coding

The CRP919X supports advanced ECU coding, a feature typically found in professional OEM scanners. This allows for customization and modification of pre-programmed options within the vehicle's ECUs. Functions include:

- **Uncovering Hidden Features:** Activate features not enabled at the factory.
- **Disabling Unwanted Functions:** Turn off features like seatbelt reminder chimes or daytime running lights.
- **Coding Retrofitted Components:** Integrate new components into the vehicle's system.
- **Variant Coding (Offline Programming):** Program specific variants or options in ECUs.
- **Adaptive Data Resets:** Reset learned values for various components.
- **Component Matching:** Match new modules (e.g., ECM, TCM) to the vehicle.

Caution: Always back up the ECU data before performing any coding operations.

Figure 5: Illustration of advanced ECU coding capabilities, including disabling functions and customizing OE settings.

Figure 6: Visual representation of the integration of ECU coding with comprehensive all-system diagnostics.

3. Bi-directional Control (Active Tests)

This function allows the scanner to send commands to vehicle ECUs to perform specific tests and verify component functionality. This significantly reduces diagnostic time by pinpointing faulty components without disassembly. Common active tests include:

- Adaptive Headlamp Adjustment
- A/C Configuration
- Window Wipers operation
- Doors and Sunroof operation
- Mirrors and Interior Lights control
- Wheel Heating activation
- Horn Assessment
- ABS Pump Motor activation
- Modulating Throttle
- Injector Buzz Test
- Radiator Fan activation

Figure 7: Visualizing bi-directional control, showing the scanner interacting with various vehicle components like windows, mirrors, and engine parts.

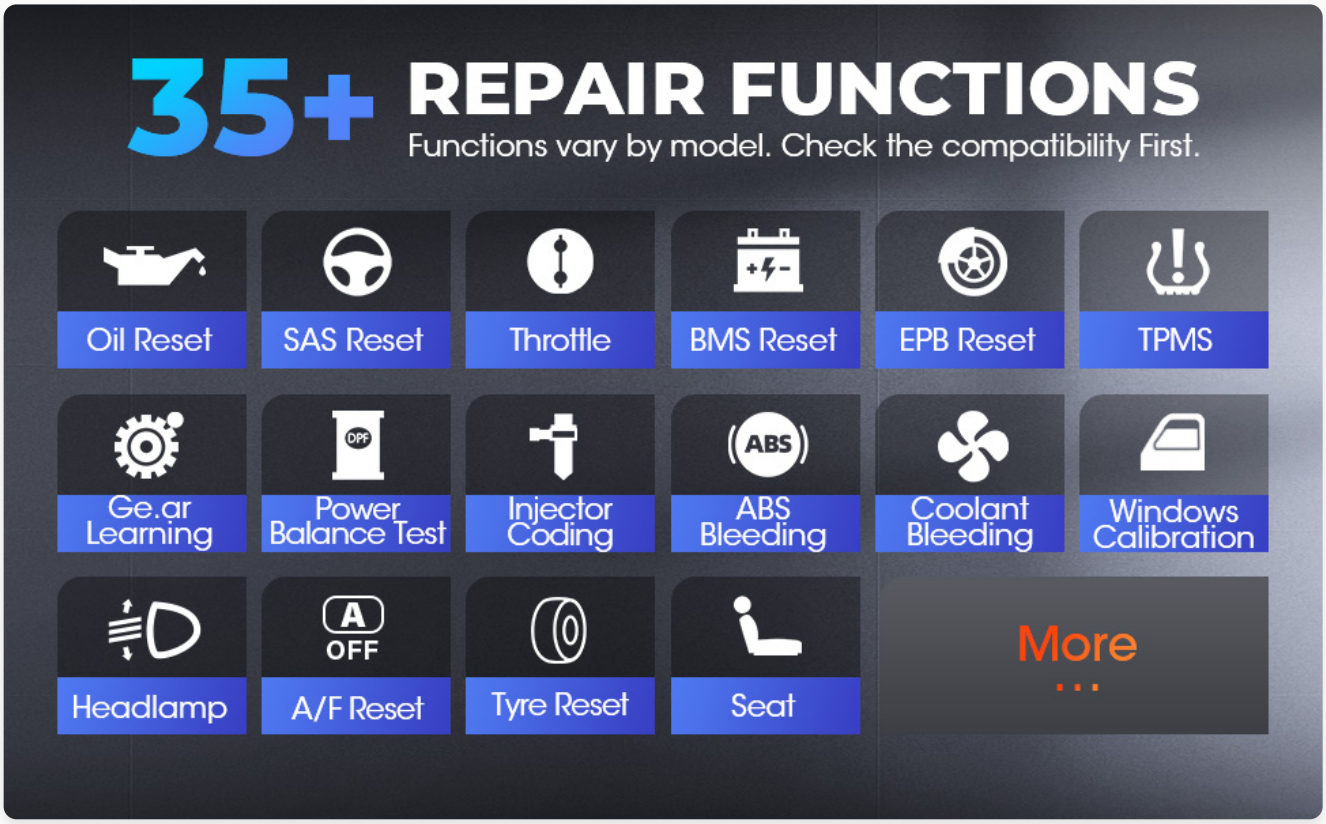


Figure 8: Workflow demonstrating how bi-directional control helps in diagnosing and repairing issues, from sending commands to locating fault parts.

4. Special Functions (35+ Reset Services)

The CRP919X provides access to over 35 commonly used maintenance and reset functions, covering a wide range of vehicle services:

- Oil Maintenance Reset
- Injector Coding
- EPB (Electronic Park Brake) Reset
- ABS Bleeding
- SAS (Steering Angle Sensor) Calibration
- Throttle Relearn
- BMS (Battery Management System) Reset
- DPF (Diesel Particulate Filter) Regeneration
- Airbag Repair
- TPMS (Tire Pressure Monitoring System) Reset
- Air/Fuel Reset
- AdBlue Reset
- AFS (Adaptive Front-Lighting System) Reset
- NOX Sensor Reset
- Tire Reset
- Transport Mode
- Air Level Calibration
- Windows Calibration
- CCS (Cruise Control System) Calibration
- Seat Occupancy Calibration

- Sunroof Initialization
- AC Initialization
- Crankshaft Position Sensor Adaptive Relearn
- Gearbox Matching
- Power Balance
- High Voltage Battery Detection
- Language Change
- FRM Reset
- EVAP Test
- Seat Standardization
- A/T Code Reset
- VIN Registration (Write)
- Reset Control Unit
- EGR Adaptation (New)
- GPF (Gas Particular Filter) Regeneration (New)
- Cylinder Power Balance Test (New)

Figure 9: Visual representation of the 35+ maintenance functions available, covering common repair and service needs.

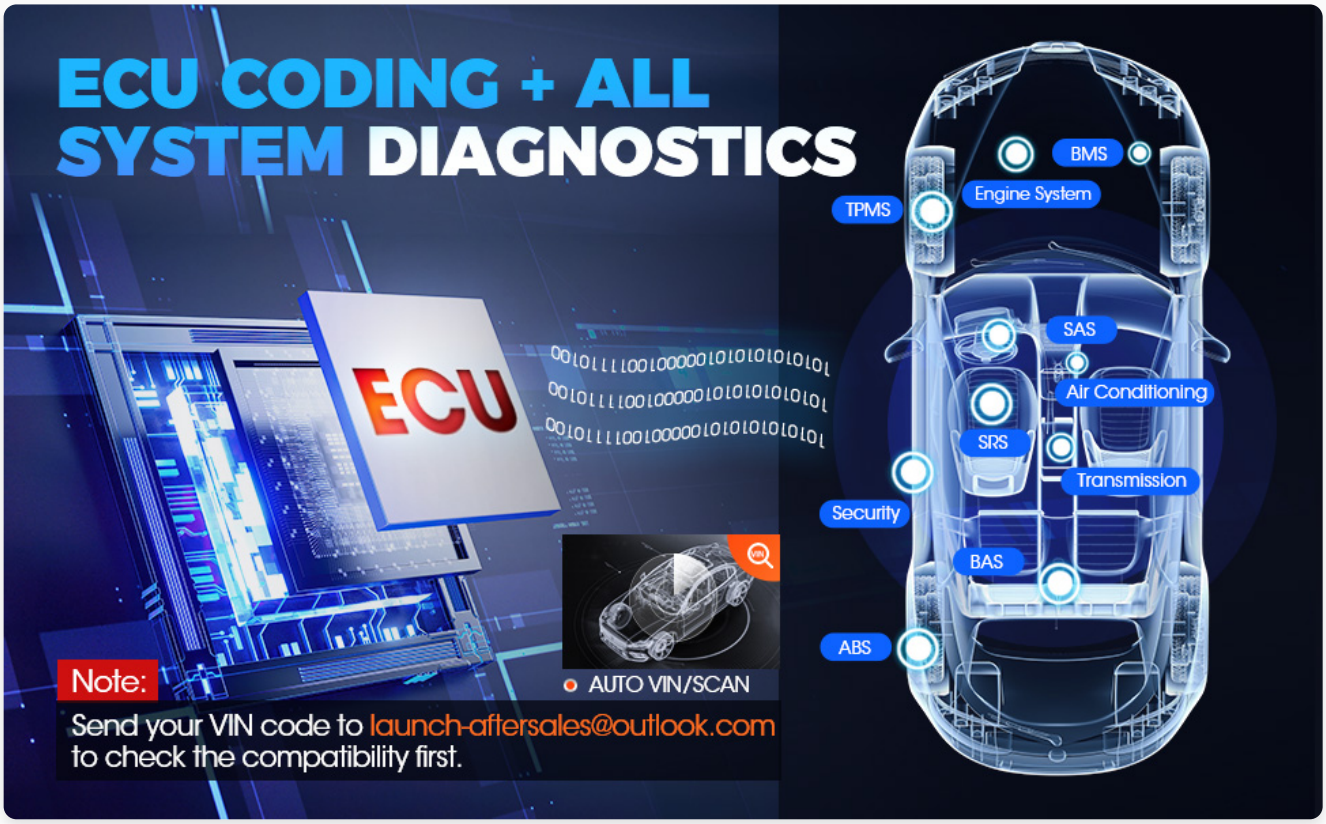


Figure 10: A detailed overview of various repair functions, including Oil Reset, SAS Reset, Throttle, BMS Reset, and more.

5. Advanced Protocol Support

- **CAN FD:** Supports GM models from 2019 and later, eliminating the need for separate CAN FD adapters and offering 6X faster data transfer rates.
- **DoIP:** Integrates with BMW (F&G chassis), Volvo (2018+), Land Rover, and Jaguar (2017+) models, enabling higher data rates via UDS over TCP/IP and Ethernet.
- **FCA AutoAuth SGW:** Provides access to FCA vehicles (Chrysler, Jeep, Dodge, Fiat, etc.) produced after 2017 for code clearance, bi-directional control, and special functions. *Note: An AutoAuth account must be procured independently.*

Figure 11: Illustrates the extensive vehicle brand coverage (150+) and support for CAN FD and DoIP protocols across various regions.

6. Extended Modules (Optional)

The CRP919X can be expanded with optional modules for enhanced diagnostic capabilities:

- **Battery Tester (BST360):** For efficient battery and electrical system health assessments.
- **TPMS (X431 TSGUN):** For sensor activation, programming, and relearning.

Note: These add-on tools (BST360/X431 TSGUN) are available for separate purchase.

7. Diagnostic Report Sharing & Printing

Upon completion of a scan, the CRP919X generates a comprehensive diagnostic report in PDF format. This report can be easily shared via email or printed, facilitating communication between mechanics and clients.

Figure 12: Highlights user-friendly features such as one-click Wi-Fi updating, 8-in-1 live data stream, and diagnostic report printing.

Maintenance

- **Software Updates:** Regularly connect the device to Wi-Fi and check for software updates. These updates provide new features, expanded vehicle coverage, and performance improvements.
- **Cleaning:** Use a soft, damp cloth to clean the device. Avoid abrasive cleaners or solvents.
- **Storage:** Store the scanner in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. Charge the device regularly, especially if it will be stored for an extended period.

Troubleshooting

This section addresses common issues you might encounter with your LAUNCH X431 CRP919X.

Problem	Possible Cause	Solution

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 customer support.
Unable to connect to vehicle.	OBD2 cable not securely connected; Vehicle ignition off; Vehicle not supported; Faulty OBD2 port.	Ensure cable is firmly connected. Turn vehicle ignition to ON position (engine off). Verify vehicle compatibility. Test with another vehicle if possible.
Software update fails.	Unstable Wi-Fi connection; Insufficient storage; Server issues.	Ensure strong Wi-Fi signal. Clear some data/apps if storage is low. Try updating again later.
Specific function not working (e.g., ECU Coding).	Vehicle not supported for that function; Software not updated; Incorrect procedure.	Verify vehicle compatibility for the specific function. Ensure software is up to date. Refer to the on-screen instructions or contact support for detailed procedures.

For issues not listed here or if solutions do not resolve the problem, please refer to the support section.

Specifications

Feature	Detail
Brand	LAUNCH
Model	LAUNCH CRP919X
Operating System	Android 10.0
Display Resolution	1024x600
Item Weight	6.27 pounds
Product Dimensions	12.8 x 11.14 x 5.31 inches
Battery Capacity	6100mAh (approx. 12 hours continuous operation)
RAM	4GB
ROM	64GB
Connectivity	Dual 2.4G & 5GHz WiFi, 5G WiFi communication
Supported Protocols	CAN FD, DoIP, OBD2 (all 10 modes)
Vehicle Coverage	150+ brands, 100,000+ models (1996-2025)

Warranty and Support

LAUNCH is committed to providing high-quality products and excellent customer service.

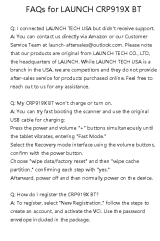
- **Free Updates:** Benefit from 2 years of free software updates from the date of purchase (since September 2022).
- **Quality Undertaking:** The product comes with a 5-Year Quality Undertaking.

- **Return & Replacement:** A 60-Day Return & Replacement policy is available.
- **Post-sale Service:** 24/7 post-sale service is provided.
- **Online Feedback:** You can submit diagnostic queries online to LAUNCH for expert analysis and troubleshooting.
- **Remote Assistance:** The device supports remote assistance via TeamViewer for swift issue resolution.

For further assistance, please refer to the official LAUNCH support channels or the contact information provided in your quick start guide.

© 2025 LAUNCH. All rights reserved.

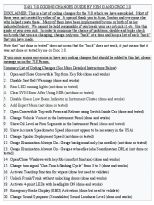
Related Documents - LAUNCH CRP919X

 FAQs for LAUNCH CRP919X BT	LAUNCH CRP919X BT: FAQs, Troubleshooting, and Support Comprehensive FAQs for the LAUNCH CRP919X BT automotive diagnostic tool. Find answers on setup, software updates, language settings, troubleshooting charging issues, and more.
	LAUNCH X431 PRO DYNO User Manual Comprehensive user manual for the LAUNCH X431 PRO DYNO OBD2 diagnostic scan tool, covering features like intelligent diagnosis, local diagnosis, remote diagnosis, service functions, software updates, and toolbox modules. Includes safety precautions and FCC statements.
FAQS for LAUNCH CRP919EBT	LAUNCH CRP919EBT FAQs and Troubleshooting Guide Frequently Asked Questions and troubleshooting steps for the LAUNCH CRP919EBT diagnostic scan tool, covering software updates, registration, password reset, and common issues.
FAQS for LAUNCH X431 IMMO ELITE	LAUNCH X431 IMMO ELITE FAQs and User Guide Frequently Asked Questions and operational guidance for the LAUNCH X431 IMMO ELITE diagnostic tool, covering registration, updates, features, and troubleshooting.

FAQs for LAUNCH X431 PRO ELITE

[LAUNCH X431 PRO ELITE FAQs and User Guide]

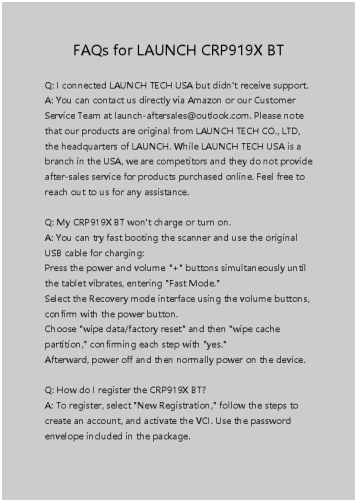
Frequently asked questions and guidance for the LAUNCH X431 PRO ELITE automotive diagnostic tool, covering registration, updates, subscriptions, troubleshooting, and features.



[Porsche 718 Coding Changes Guide with Launch X431]

A comprehensive guide detailing coding modifications for the Porsche 718 (Cayman/Boxster) using the Launch X431 diagnostic tool, covering various features and functions from convenience options to performance adjustments.

Documents - LAUNCH – LAUNCH CRP919X


FAQs for LAUNCH CRP919X BT

Q: I connected LAUNCH TECH USA but didn't receive support.
A: You can contact us directly via Amazon or our Customer Service Team at launch-aftersales@outlook.com. Please note that our products are original from LAUNCH TECH CO., LTD, the headquarters of LAUNCH. While LAUNCH TECH USA is a branch in the USA, we are competitors and they do not provide after-sales service for products purchased online. Feel free to reach out to us for any assistance.

Q: My CRP919X BT won't charge or turn on.
A: You can try fast booting the scanner and use the original USB cable for charging:
Press the power and volume "+" buttons simultaneously until the tablet vibrates, entering "Fast Mode."
Select the Recovery mode interface using the volume buttons, confirm with the power button.
Choose "wipe data/factory reset" and then "wipe cache partition," confirming each step with "yes."
Afterward, power off and then normally power on the device.

Q: How do I register the CRP919X BT?
A: To register, select "New Registration," follow the steps to create an account, and activate the VCI. Use the password envelope included in the package.

[LAUNCH CRP919X BT: FAQs, Troubleshooting, and Support]

Comprehensive FAQs for the LAUNCH CRP919X BT automotive diagnostic tool. Find answers on setup, software updates, language settings, troubleshooting charging issues, and more.

lang:en score:30 filesize: 50.09 K page_count: 3 document date: 2023-10-27

V1.00.000
02-22-2022

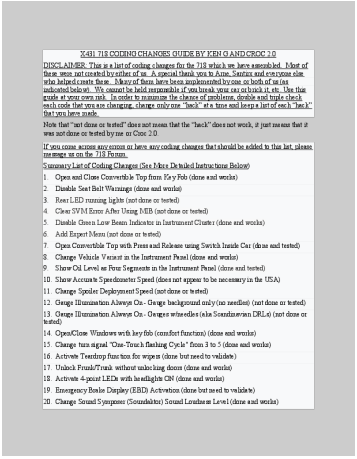
Statement: LAUNCH owns the complete intellectual property rights for the software used by this product. For any reverse engineering or cracking actions against the software, LAUNCH will block the use of this product and reserve the right to pursue their legal liabilities.

[pdf] User Manual Specifications

Launch CRP919X User Manual 4 8M 2023 EU Version LAUNCH X431 OBD2 Scanner 23062816880050025369 EOBDII fr upload pro |||

V1.00.000 02-22-2022 Statement: LAUNCH owns the complete intellectual property rights for the software used by this product. For any reverse engineering or cracking actions against the software, LAUNCH will block the use of this product and reserve the right to pursue their legal liabilities. LAUN...

lang:en score:29 filesize: 4.78 M page_count: 68 document date: 2022-03-02



X431 718 CODING CHANGES GUIDE BY KEN G AND CROC 2.0

DISCLAIMER: This is a list of coding changes for the 718 which we have assembled. Most of these were not created by either of us. A special thank you to Arne, Santirx and everyone else who helped create these. Many of them have been implemented by one or both of us (as indicated below). We cannot be held responsible if you break your car or brick it, etc. Use this guide at your own risk. In order to minimize the chance of problems, double and triple check each code that you are changing, change only one "hack" at a time and keep a list of each "hack" that you have made.

Note that "not done or tested" does not mean that the "hack" does not work, it just means that it was not done or tested by me or Croc 2.0.

If you come across any errors or have any coding changes that should be added to this list, please message us on the 718 Forum.

Summary List of Coding Changes (See More Detailed Instructions Below)

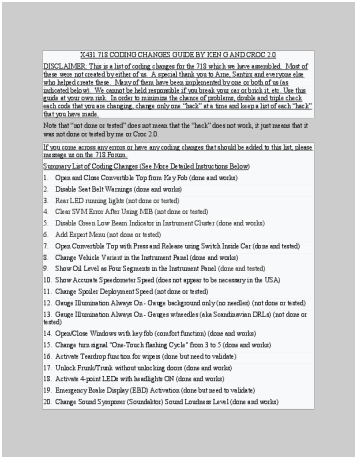
1. Open and Close Convertible Top from Key Fob (done and works)
2. Disable Seat Belt Warnings (done and works)
3. Rear LED running lights (not done or tested)
4. Clear SVM Error After Using MIB (not done or tested)
5. Disable Green Low Beam Indicator in Instrument Cluster (done and works)
6. Add Expert Menu (not done or tested)
7. Open Convertible Top with Press and Release using Switch Inside Car (done and tested)
8. Change Vehicle Variant in the Instrument Panel (done and works)
9. Show Oil Level as Four Segments in the Instrument Panel (done and tested)
10. Show Accurate Speedometer Speed (does not appear to be necessary in the USA)
11. Change Spoiler Deployment Speed (not done or tested)
12. Gauge Illumination Always On - Gauge background only (no needles) (not done or tested)
13. Gauge Illumination Always On - Gauges w/needles (aka Scandinavian DRLs) (not done or tested)
14. Open/Close Windows with key fob (comfort function) (done and works)
15. Change turn signal "One-Touch flashing Cycle" from 3 to 5 (done and works)
16. Activate Teardrop function for wipers (done but need to validate)
17. Unlock Frunk/Trunk without unlocking doors (done and works)
18. Activate 4-pocket LEDs with headlights ON (done and works)
19. Emergency Brake Display (EBD) Activation (done but need to validate)
20. Change Sound Symposer (Soundsktor) Sound Loudness Level (done and works)

[pdf] Instructions Guide

Microsoft Word X431 Coding Guide by Ken G and Croc 2 0 718 CODING CHANGES GUIDE BY KEN AND CROC DISCLAIMER This is a list of coding changes for the which we have assem rennlist forums attachments 991 1372084d1704383350 thinkdiag magic x431 guide ken g croc |||

X431 718 CODING CHANGES GUIDE BY KEN G AND CROC 2.0 DISCLAIMER: This is a list of coding changes for the 718 which we have assembled. Most of these were not created by either of us. A special thank you to Arne, Santirx and everyone else who helped create these. Many of them have been implemented by ...

lang:en score:29 filesize: 2.22 M page_count: 29 document date: 2023-12-31



X431 718 CODING CHANGES GUIDE BY KEN G AND CROC 2.0

DISCLAIMER: This is a list of coding changes for the 718 which we have assembled. Most of these were not created by either of us. A special thank you to Arne, Santirx and everyone else who helped create these. Many of them have been implemented by one or both of us (as indicated below). We cannot be held responsible if you break your car or brick it, etc. Use this guide at your own risk. In order to minimize the chance of problems, double and triple check each code that you are changing, change only one "hack" at a time and keep a list of each "hack" that you have made.

Note that "not done or tested" does not mean that the "hack" does not work, it just means that it was not done or tested by me or Croc 2.0.

If you come across any errors or have any coding changes that should be added to this list, please message us on the 718 Forum.

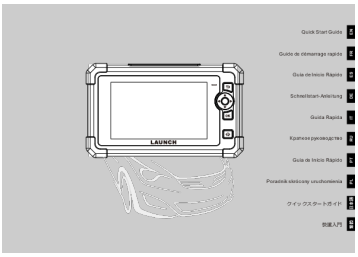
Summary List of Coding Changes (See More Detailed Instructions Below)

1. Open and Close Convertible Top from Key Fob (done and works)
2. Disable Seat Belt Warnings (done and works)
3. Rear LED running lights (not done or tested)
4. Clear SVM Error After Using MIB (not done or tested)
5. Disable Green Low Beam Indicator in Instrument Cluster (done and works)
6. Add Expert Menu (not done or tested)
7. Open Convertible Top with Press and Release using Switch Inside Car (done and tested)
8. Change Vehicle Variant in the Instrument Panel (done and works)
9. Show Oil Level as Four Segments in the Instrument Panel (done and tested)
10. Show Accurate Speedometer Speed (does not appear to be necessary in the USA)
11. Change Spoiler Deployment Speed (not done or tested)
12. Gauge Illumination Always On - Gauge background only (no needles) (not done or tested)
13. Gauge Illumination Always On - Gauges w/needles (aka Scandinavian DRLs) (not done or tested)
14. Open/Close Windows with key fob (comfort function) (done and works)
15. Change turn signal "One-Touch flashing Cycle" from 3 to 5 (done and works)
16. Activate Teardrop function for wipers (done but need to validate)
17. Unlock Frunk/Trunk without unlocking doors (done and works)
18. Activate 4-pocket LEDs with headlights ON (done and works)
19. Emergency Brake Display (EBD) Activation (done but need to validate)
20. Change Sound Symposer (Soundsktor) Sound Loudness Level (done and works)

Porsche 718 Coding Changes Guide with Launch X431

A comprehensive guide detailing coding modifications for the Porsche 718 (Cayman/Boxster) using the Launch X431 diagnostic tool, covering various features and functions from convenience options to performance adjustments.

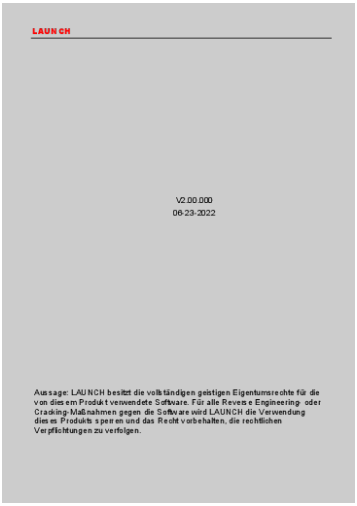
lang:en score:29 filesize: 2.22 M page_count: 29 document date: 2023-12-31



LAUNCH X431 CRP919X Quick Start Guide

A concise guide to getting started with the LAUNCH X431 CRP919X diagnostic tool, covering components, setup, and basic diagnostics.

lang:en score:26 filesize: 5.35 M page_count: 43 document date: 2022-03-08



[pdf] User Manual

Launch CRP919X User Manual 5 0M EU UK Ship X431 All System Diagnostic Scanner with 2 Years Free Update 23062716878503231014 EOBDtool co uk upload pro |||

LAUNCH V2.00.000 06-23-2022 Aussage: LAUNCH besitzt die vollstndigen geistigen Eigentumsrechte fr die von diesem Produkt verwendete Software. Fr alle Reverse Engineering- oder Cracking-Manahmen gegen die Software wird LAUNCH die Verwendung dieses Produkts sperren und das Recht vorbehalten, die recht...

lang:de score:26 filesize: 5.04 M page_count: 62 document date: 2022-11-22