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## LAUNCH X431 CRP919XBT

# Launch X431 CRP919XBT ECU Coding OBD2 Scanner User Manual

Model: X431 CRP919XBT | Brand: LAUNCH

## 1. Product Overview

The Launch X431 CRP919XBT is an advanced ECU Coding OBD2 Scanner designed for comprehensive vehicle diagnostics. It features all-system bidirectional scanning capabilities, over 35 hot maintenance services, and supports modern protocols like CAN-FD and DoIP. Running on Android 10, this tool offers a fast and intuitive user experience for automotive professionals.

Image 1.1: The Launch X431 CRP919XBT diagnostic tablet and its accompanying VCI (Vehicle Communication Interface) module. The tablet features a large display, and the VCI module connects wirelessly to the tablet for vehicle communication.

## 2. What's in the Box

Verify that all items listed below are included in your package:

- CRP919XBT Main Unit (Diagnostic Tablet)
- VCI DBScar VII Module
- Carrying Case
- Diagnostic Cable
- Type A to Type C USB Cable
- Power Adapter
- Switching US/UK/EU Adapter
- Password Envelope

- User Manual
- Quick Start Guide

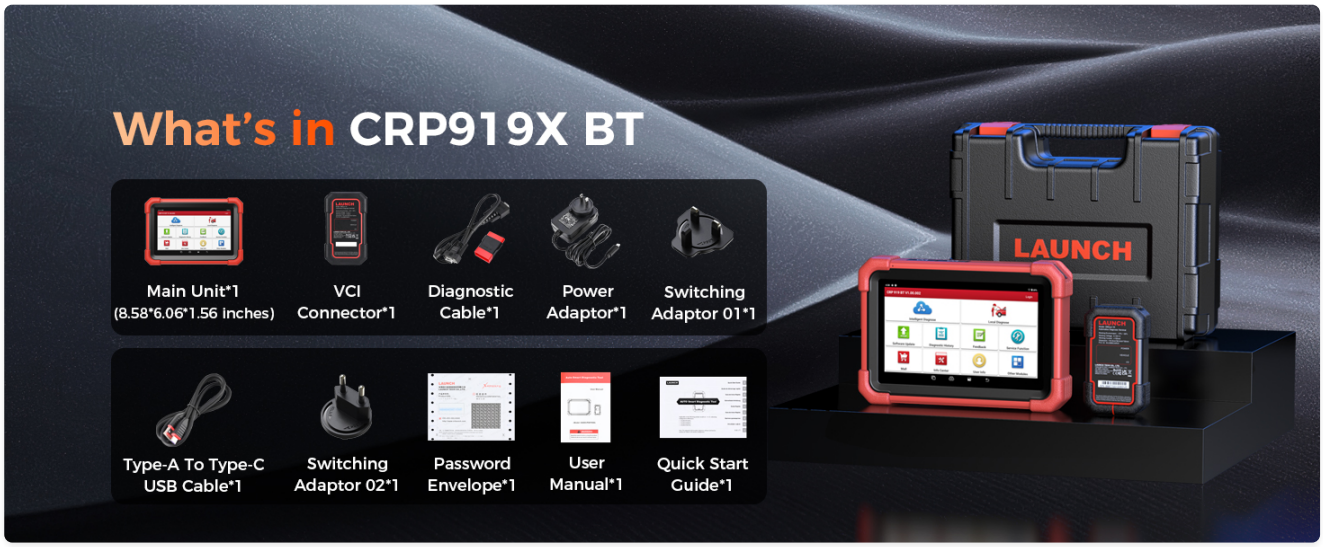


Image 2.1: An illustration showing the complete contents of the CRP919X BT package, including the main unit, VCI connector, cables, adapters, and documentation, all neatly organized within a carrying case.

## 3. Setup

1. **Charge the Device:** Connect the CRP919XBT main unit to the power adapter using the provided Type A to Type C USB cable. Ensure the device is fully charged before first use.
2. **Power On:** Press and hold the power button on the tablet until the screen illuminates.
3. **Initial Configuration:** Follow the on-screen prompts to select your language, connect to a Wi-Fi network, and set up your time zone.
4. **VCI Connection:** Plug the VCI DBScar VII module into the vehicle's OBD-II port. The VCI will automatically establish a Bluetooth connection with the CRP919XBT main unit. Ensure the VCI indicator lights are active.
5. **Software Update:** Navigate to the 'Software Update' section on the main menu to download and install the latest software versions for optimal performance and vehicle coverage.

## 4. Operating Instructions

### 4.1. General Operation

The CRP919XBT operates on Android 10.0, providing a user-friendly interface. The 7-inch touchscreen allows for intuitive navigation through menus and functions. The device is powered by a 2GHz quad-core processor with 4GB RAM and 64GB storage, ensuring fast operation and ample space for diagnostic data and software.

Image 4.1.1: This image highlights the CRP919X BT's operational speed and ease of use, featuring its Android 10.0 OS, 2.0GHz 4-core processor, 4GB RAM, 64GB ROM, 7-inch screen, 8MP rear camera, 2.4GHz Wi-Fi, and 6300 mAh battery, enabling 13+ hours of work and one-touch diagnostics.

### 4.2. Wireless Diagnostics

The CRP919XBT utilizes a wireless VCI module for Bluetooth connectivity, allowing diagnostics up to 33 feet (10 meters) from the vehicle. This eliminates the need for a wired connection to the diagnostic port, providing flexibility and a cleaner workspace. A Type-A to Type-C USB cable can also be used for a wired connection if preferred.

Image 4.2.1: This graphic illustrates the wireless diagnostic capability of the CRP919X BT, showing the VCI module communicating with the tablet via Bluetooth, allowing the user to diagnose the vehicle from a distance of up to 33 feet (10 meters).

## 4.3. AutoVIN & Scan

The device supports one-touch AutoVIN functionality for vehicles manufactured from 2006 onwards. This feature automatically identifies the vehicle's make, model, and year, streamlining the diagnostic process. If AutoVIN fails, manual VIN input is available.

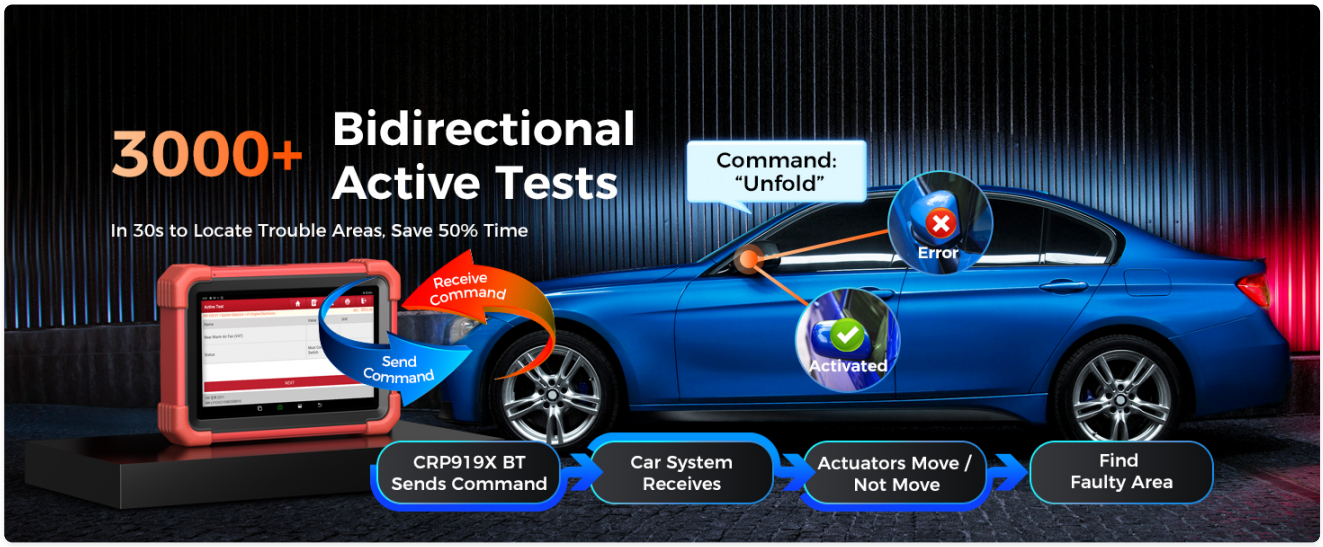


Image 4.3.1: A visual representation of the one-touch AutoVIN & Scan function, demonstrating how the CRP919X BT automatically reads vehicle details, simplifying the diagnostic initiation process.

## 4.4. All System Diagnostics

The CRP919XBT performs a comprehensive scan of all available electronic control units (ECUs) in the vehicle. It can read and clear over 8,000 Diagnostic Trouble Codes (DTCs) from systems such as ABS, SRS (airbag), engine, automatic transmission (AT), PCM, ECM, EPS, PDM, TPM, and BCM. Real-time data streams can be viewed in various formats to quickly pinpoint faults.

Image 4.4.1: This graphic illustrates the all-system bidirectional diagnostic capabilities, showing the scanner communicating with various vehicle modules like TCM, ABS, SRS, and ECM, and performing active tests on components such as windows, mirrors, throttle, and fans.

### 4.5. ECU Coding (Online/Offline)

This function allows for advanced vehicle customization and repair. It can address DTCs related to actuator circuit breaks, install new modules, and modify vehicle settings such as one-touch windows or sport-style lighting. It also enables closing unneeded settings like seat-belt chimes. ECU coding is available for various brands including Mercedes-Benz, BMW, Volkswagen, Audi, GM, Ford, and Porsche. Always back up vehicle data before performing coding operations.

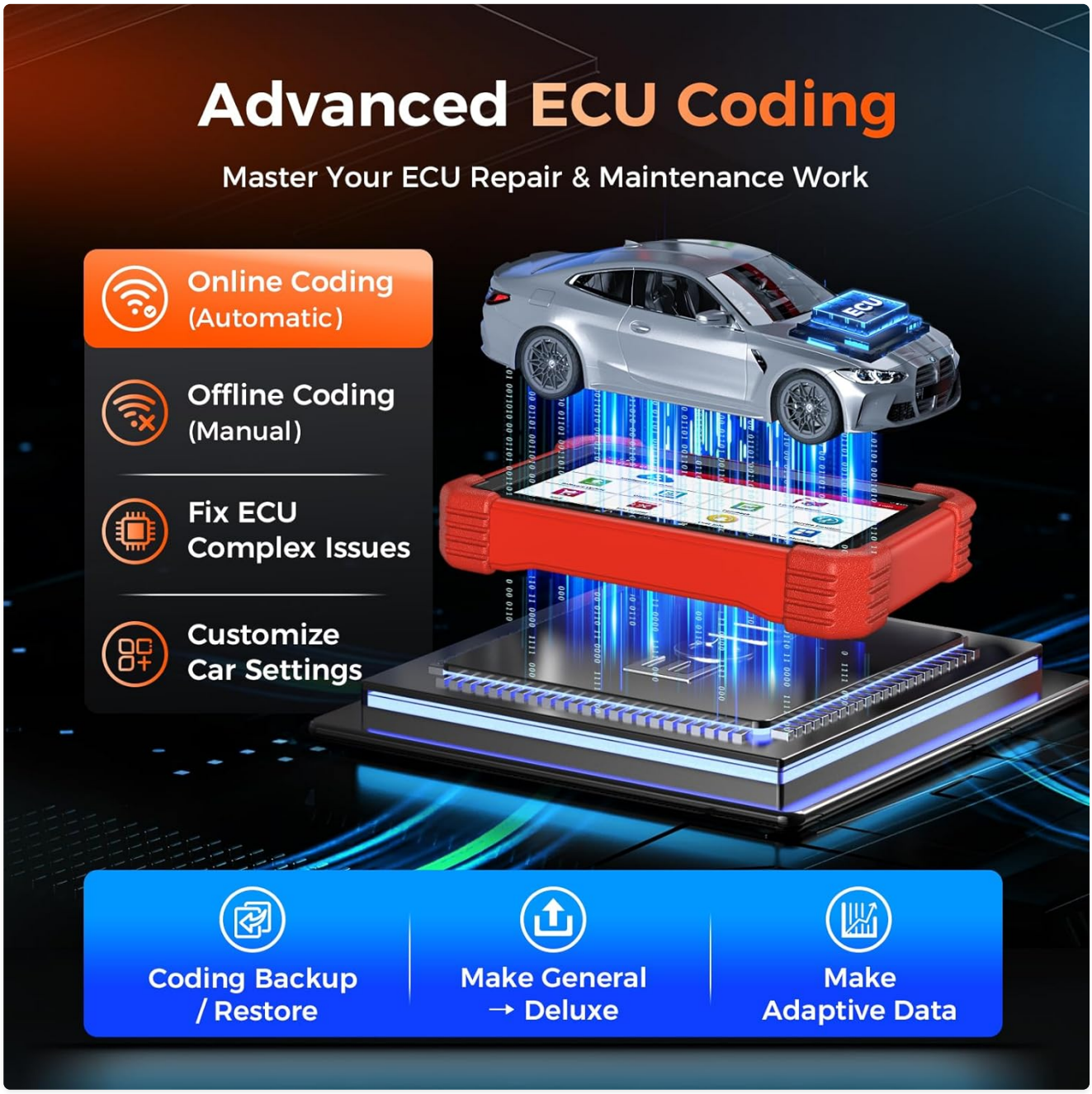


Image 4.5.1: An illustration detailing the advanced ECU Coding functions, including online and offline coding, fixing complex ECU issues, and customizing car settings, with options for coding backup/restore and adaptive data creation.

## 4.6. Active Tests (Bidirectional Control)

The CRP919XBT supports over 3000 active tests, enabling direct command sending from the scan tool to vehicle components. This allows technicians to test solenoids, actuators, and other components while they are still installed in the vehicle. This function helps in quickly identifying whether a component is faulty or if there is a wiring issue, covering items like fans, lights, horn, doors, windows, brakes, throttle, A/C, clutches, mirrors, cameras, pumps, and valves. Compatibility varies by vehicle model.

Image 4.6.1: This image depicts the bidirectional control functionality, showing the scanner sending commands to a vehicle to activate or deactivate components for diagnostic purposes, helping to locate faulty areas.

## 4.7. Hot Services (Maintenance Functions)

The device offers over 35 hot reset and maintenance services, including but not limited to:

- EPB (Electronic Parking Brake) Reset
- Oil Reset
- DPF (Diesel Particulate Filter) Regeneration
- SAS (Steering Angle Sensor) Calibration
- TPMS (Tire Pressure Monitoring System) Reset
- BMS (Battery Management System) Reset
- Injector Coding
- Throttle Adaptation
- Suspension Calibration
- Brake Bleed
- Motor Angle Calibration
- Turbocharging Matching
- Clutch Matching

Image 4.7.1: A visual representation of the '35+ Hot Services' menu, displaying various maintenance functions such as Brake Reset, Oil Reset, SAS Reset, Battery Match, ABS Bleed, Throttle Relearn, TPMS Reset, and DPF Generation.

### 4.8. Graphic Live Data

The CRP919XBT allows for the display of live data streams in multiple formats, including analog gauge, plain text, waveform graph, and digital gauge. It can display up to 8 multiple PIDs (Parameter IDs) on one screen simultaneously, facilitating detailed analysis of vehicle performance. Data can be recorded, played back, and screenshots can be taken for further review or sharing.

Image 4.8.1: This image illustrates the 8-in-1 graphic live data display, showing multiple parameters simultaneously in various modes (analog, text, waveform, digital) for comprehensive vehicle data analysis.

### 4.9. CAN-FD/DoIP Support

The scanner is compatible with CAN-FD and DoIP protocols, ensuring support for newer vehicle models. An optional DoIP adapter may be required for full DoIP functionality.

Image 4.9.1: A graphic indicating the CRP919X BT's compliance with DoIP and CAN-FD protocols, essential for diagnosing modern vehicles.

## 4.10. FCA SGW Access

The CRP919XBT supports FCA AutoAuth, allowing direct connection and coding for 2018+ FCA vehicles without the need for an additional 12+8 cable.

Image 4.10.1: This image highlights the FCA SGW (Security Gateway) Access feature with AutoAuth, indicating that the scanner can connect to 2018+ FCA vehicles without special cables.

## 4.11. V.A.G Guided Function

The device includes built-in V.A.G (Volkswagen Audi Group) step-by-step guides to assist with complex diagnostic and service procedures for compatible vehicles.

Image 4.11.1: A graphic illustrating the V.A.G Guided Function, showing a simplified step-by-step process for diagnostic procedures on Volkswagen Audi Group vehicles.

## 4.12. Multi-language Support

The CRP919XBT supports 23 languages, allowing users worldwide to operate the device in their preferred language. Languages can be switched freely within the menu settings.

Image 4.12.1: This image displays a menu showing various language options, indicating the scanner's multi-language support for global users.

## 4.13. Vehicle Coverage

The CRP919XBT covers over 150 vehicle brands, including models from 1996 to 2025. This extensive coverage includes American, European, and Asian manufacturers, ensuring compatibility with a wide range of vehicles.

Image 4.13.1: A map and list illustrating the extensive vehicle brand coverage of the CRP919X BT, including American, European, and Asian manufacturers, supporting models from 1996 to 2025.

## 5. Maintenance

### 5.1. Battery Management

The CRP919XBT is equipped with a 6,300 mAh Lithium Polymer battery, providing over 14 hours of continuous operation. To prolong battery life, avoid extreme temperatures and fully charge the device regularly. The device supports USB-C super charge, allowing use with standard car chargers or power banks.

Image 5.1.1: This image highlights the device's 6300 mAh battery, emphasizing its capability for 14 hours of all-day work and USB-C super charging.

### 5.2. Software Upgrades

The purchase of the CRP919XBT includes 2 years of free software upgrades. Regular updates ensure the scanner remains compatible with new vehicle models and gains additional features and optimizations. Connect the device to a Wi-Fi network and navigate to the 'Software Update' section to check for and install available updates.

## 6. Troubleshooting (FAQs)

**Q: Does the CRP919XBT support diesel, hybrid, and European models?**

A: Yes, it supports these models. For specific compatibility, it is recommended to contact technical support with your vehicle's make, model, and year.

**Q: Can it perform ECU coding and active tests?**

A: Yes, the CRP919XBT is a bidirectional scan tool that supports both ECU coding and active tests.

**Q: Is the device wireless, and what is its battery life?**

A: Yes, it operates wirelessly via Bluetooth. The 6,300mAh battery provides approximately 14 hours of runtime.

**Q: Can it read transmission and airbag trouble codes?**

A: Yes, it can read over 8,000 fault codes across all vehicle systems, including transmission and airbag (SRS) systems.

**Q: Is it compatible with 2020+ new models?**

A: Yes, it supports CAN FD protocol and includes 2 years of free upgrades to ensure compatibility with newer models. For technical assistance, you can reach out to Tech_Launchoriginal@outlook.com.

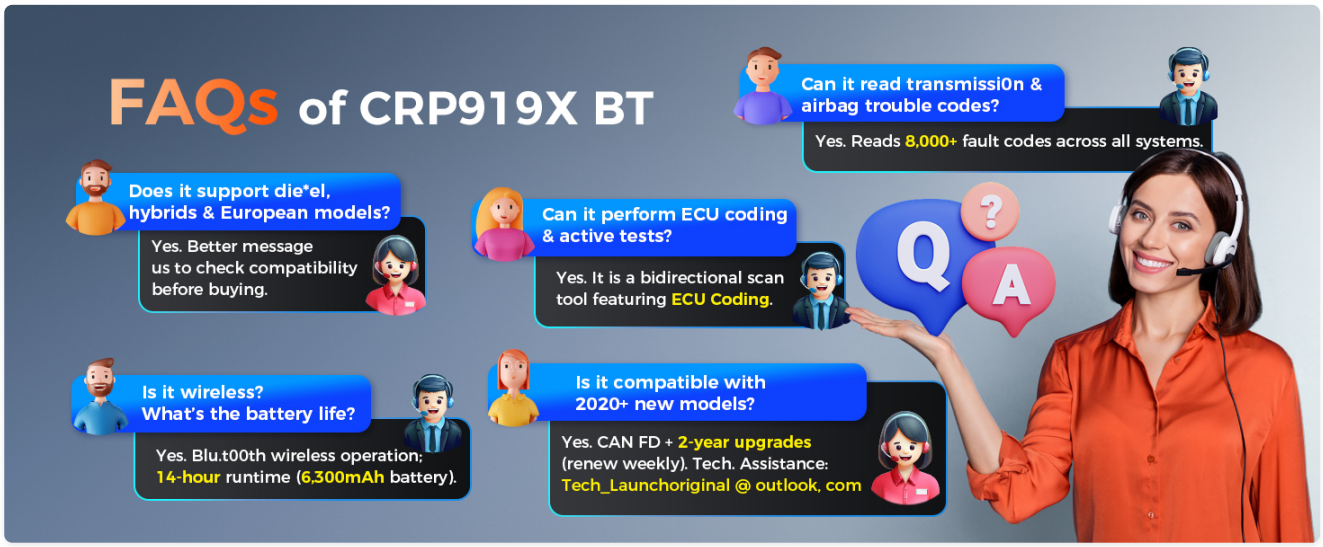


Image 6.1: A visual representation of frequently asked questions (FAQs) regarding the CRP919X BT, addressing common inquiries about compatibility, features, and battery life.

## 7. Specifications

| Feature | Specification |
|---|---|
| Manufacturer | LAUNCH |
| Model | X431 CRP919XBT |
| Item Weight | 7 pounds |
| Package Dimensions | 13 x 10.2 x 5.1 inches |
| Item Model Number | X431 CRP919XBT |
| Batteries | 1 Lithium Polymer battery (included) |
| Manufacturer Part Number | 2025 CRP919X BT |
| Operating System | Android 10.0 |
| Automotive Fit Type | Universal Fit |
| UPC | 810139302803 |
| Processor | 2GHz Quad-core |
| RAM | 4GB |
| Storage | 64GB |
| Screen Size | 7 inches |
| Battery Capacity | 6,300 mAh |

## 8. Warranty and Support

The Launch X431 CRP919XBT comes with a commitment to customer satisfaction. This includes:

- **Software Upgrades:** 2 years of free software upgrades are included with your purchase, ensuring your device stays current with the latest vehicle data and functionalities.
- **Quality Backup:** A 5-year quality backup is provided.
- **Technical Assistance:** Lifetime technical assistance is available. For support inquiries, please contact Tech_Launchoriginal@outlook.com.

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### Related Documents - X431 CRP919XBT

| | |
|---|---|
| | LAUNCH CRP919X BT: FAQs, Troubleshooting, and Support<br>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 ELITE FAQs and User Guide<br>Frequently asked questions and guidance for the LAUNCH X431 PRO ELITE automotive diagnostic tool, covering registration, updates, subscriptions, troubleshooting, and features. |
|  | LAUNCH X431 PRO DYNO User Manual<br>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. |
| | LAUNCH CRP919EBT FAQs and Troubleshooting Guide<br>Frequently Asked Questions and troubleshooting steps for the LAUNCH CRP919EBT diagnostic scan tool, covering software updates, registration, password reset, and common issues. |

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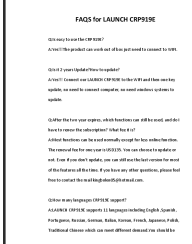
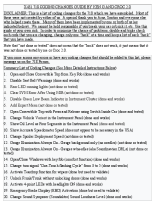
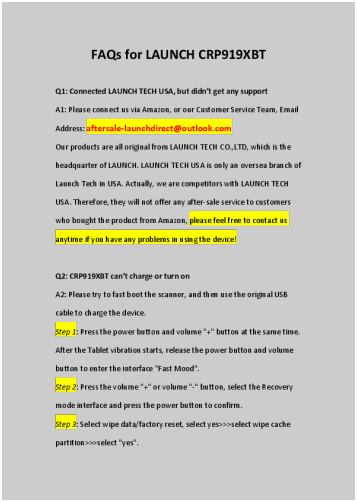
|  | [LAUNCH CRP919E FAQs: Your Guide to Advanced Automotive Diagnostics]<br>Frequently Asked Questions about the LAUNCH CRP919E OBD2 scanner, covering usage, updates, features like bidirectional control, ECU coding, special services, and troubleshooting. |
|  | [Porsche 718 Coding Changes Guide with Launch X431]<br>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 – X431 CRP919XBT




[pdf] Frequently Asked Questions

Administrator 24032417112874702710 launchx431 fr upload pro ||| ||| FAQs for LAUNCH CRP919XBT Q1: Connected LAUNCH TECH USA, but didn t get any support A1: Please connect us via Amazon, or our Customer Service Team, Email Address: aftersale-launchdirect outlook.com Our products are all original from LAUNCH

FAQs for LAUNCH CRP919XBT Q1: Connected LAUNCH TECH USA, but didn t get any support A1: Please conne ... the time. Q6: How many languages does CRP919XBT support And how to change the language A6: LAUNCH **X431 CRP919XBT** supports 24 languages including English, French, Spanish, German, Russian, Korean, Ja...

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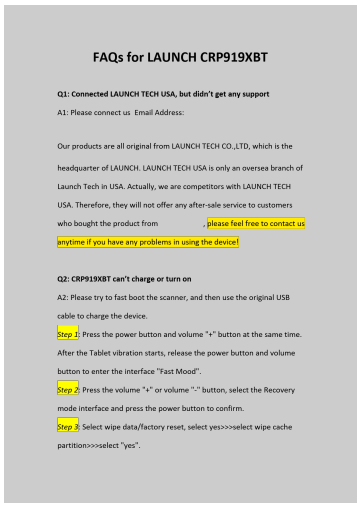

FAQs for LAUNCH CRP919XBT

**Q1: Connected LAUNCH TECH USA, but didn't get any support**

A1: Please connect us Email Address:

Our products are all original from LAUNCH TECH CO.,LTD, which is the headquarter of LAUNCH. LAUNCH TECH USA is only an oversea branch of Launch Tech in USA. Actually, we are competitors with LAUNCH TECH USA. Therefore, they will not offer any after-sale service to customers who bought the product from , please feel free to contact us anytime if you have any problems in using the device!

**Q2: CRP919XBT can't charge or turn on**

A2: Please try to fast boot the scanner, and then use the original USB cable to charge the device.

Step 1: Press the power button and volume "+" button at the same time. After the Tablet vibration starts, release the power button and volume button to enter the interface "Fast Mood".

Step 2: Press the volume "+" or volume "-" button, select the Recovery mode interface and press the power button to confirm.

Step 3: Select wipe data/factory reset, select yes>>>select wipe cache partition>>>select "yes".

[pdf] Frequently Asked Questions

Administrator FAQs for LAUNCH CRP919XBT 242K X431 CRP919X BT OBD2 Scanner Support CANFD DOIP FCA access 35 Reset Service 24090517255900094889 X431Shop eu upload pro x431shop ServiceLAUNCH ServiceA6 supports 24 languages including English French Spanish German Russian Korean Japanese Portuguese Italian Polish X431Shop 24090517255900094889X431Shop 24090517255900094889x431shop srsltid AfmBOopV5FffYUTI93LGZutSiCVaSVupRBybvs8Y8Oc1Ps0JUACJ c Jx431shop ServiceOur products are all original from TECH CO LTD which is the headquarter of USA only an oversea branch Launch Tech in USAA6 AfmBOor4C4jjfqxErto5D0v5kv9zU9TKPge3ZwKTC5ZfRzPP7b1HYQ4Wx431shop 242KLAUNCH AfmBOoqaLXNdUYKoWA6MMAkLs3Te0kF2KAGkW CslE0Cq6Udq0kldZmp ||| ||| FAQs for LAUNCH CRP919XBT Q1: Connected LAUNCH TECH USA, but didn t get any support A1: Please connect us, Email Address: Sales x431shop.eu WhatsApp: 86 18054815707 Our products are all original from LAUNCH TECH CO.,LTD, which is the headqu ||| FAQs for LAUNCH CRP919XBT Q1: Connected LAUNCH TECH USA, but didn t get any support A1: Please connect us, Email Address: Sales x431shop.eu WhatsApp: 86 18054815707 Our products are all original from LAUNCH TECH CO.,LTD, which is the headqu

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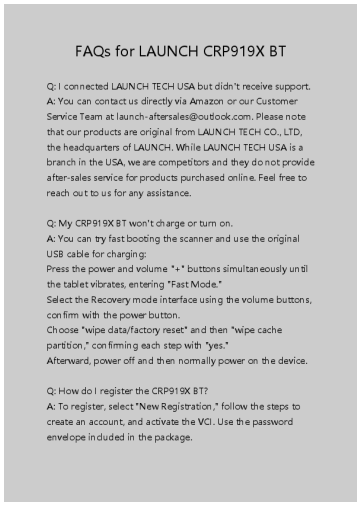
lang:en score:31 filesize: 242.09 K page_count: 6 document date: 2024-09-06



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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:26 filesize: 50.09 K page_count: 3 document date: 2023-10-27