

LAUNCH CRP919EBT

LAUNCH X431 CRP919EBT Diagnostic Scanner User Manual

Model: CRP919EBT

1. INTRODUCTION

The LAUNCH X431 CRP919EBT is a professional automotive diagnostic scanner designed for comprehensive vehicle system analysis. This device features bi-directional control, advanced ECU coding capabilities, and over 35 special service functions. It supports a wide range of vehicle makes and models, offering both wireless Bluetooth and wired USB connectivity for the VCI (Vehicle Communication Interface) adapter.



Image 1.1: LAUNCH X431 CRP919EBT Diagnostic Scanner main unit and VCI adapter.

2. WHAT'S IN THE BOX

Carefully unpack the contents and ensure all items are present:

- LAUNCH X431 CRP919EBT Main Unit (Tablet)
- DBSCAR VII VCI Connector
- Diagnostic Cable (OBD-II)
- Power Adaptor
- Type-A to Type-C USB Cable
- User Manual / Quick Start Guide
- Storage Case

High-end Configuration, Complete Supplied Accessories



Image 2.1: Overview of the LAUNCH X431 CRP919EBT package contents, including the main unit, VCI, cables, and power adapter.

3. SETUP

3.1 Initial Charging

Before first use, fully charge the CRP919EBT main unit using the provided power adapter. Connect the adapter to the device's charging port and plug it into a power outlet. The charging indicator will show the charging status.

3.2 VCI Connection to Vehicle

1. Locate the vehicle's OBD-II diagnostic port, typically under the dashboard on the driver's side.
2. Plug the DBSCAR VII VCI connector into the vehicle's OBD-II port. Ensure a secure connection.
3. Once connected, the VCI's **POWER** indicator will illuminate solid red. The **VEHICLE** indicator will illuminate green and flash when communicating with the vehicle.

3.3 VCI Connection to Main Unit

The DBSCAR VII VCI adapter supports both wireless (Bluetooth) and wired (USB) connections to the CRP919EBT main unit.

- **Bluetooth Connection:** The VCI will automatically attempt to pair with the main unit via Bluetooth. The **I/O** indicator on the VCI will illuminate blue when wirelessly communicating with the tablet. This allows for a diagnostic range of 33-67 feet (10-20 meters).
- **USB Connection:** For a wired connection, use the provided Type-A to Type-C USB cable to connect the VCI to the main unit. The **I/O** indicator on the VCI will illuminate red when connected via USB cable.

High-end Configuration, Complete Supplied Accessories



Image 3.1: DBSCAR VII VCI Connector showing power, vehicle, and I/O indicators, along with USB and Bluetooth connectivity options.

4. OPERATING INSTRUCTIONS

4.1 Vehicle Selection and AutoVIN

1. Turn on the CRP919EBT main unit.
2. From the main menu, select 'Diagnose'.
3. Choose 'AutoVIN' to automatically identify the vehicle's make, model, and year. Alternatively, select 'Manual Choose Model & Year' if AutoVIN is not successful.

4.2 Full System Diagnostics

This function allows for a comprehensive scan of all available electronic control modules (ECMs) in the vehicle, including Engine, ABS, SRS, Transmission, TPMS, and more.

1. After vehicle identification, select 'Full System Scan'.
2. The tool will scan all systems and display any detected Diagnostic Trouble Codes (DTCs).
3. You can then select a specific system to view detailed information, read/clear fault codes, and access live data streams.
4. The device supports 8-in-1 live data streams, allowing for simultaneous monitoring of multiple parameters.

35+ HOT SERVICE RESETS

Solve 99% Daily Maintenance in Minutes

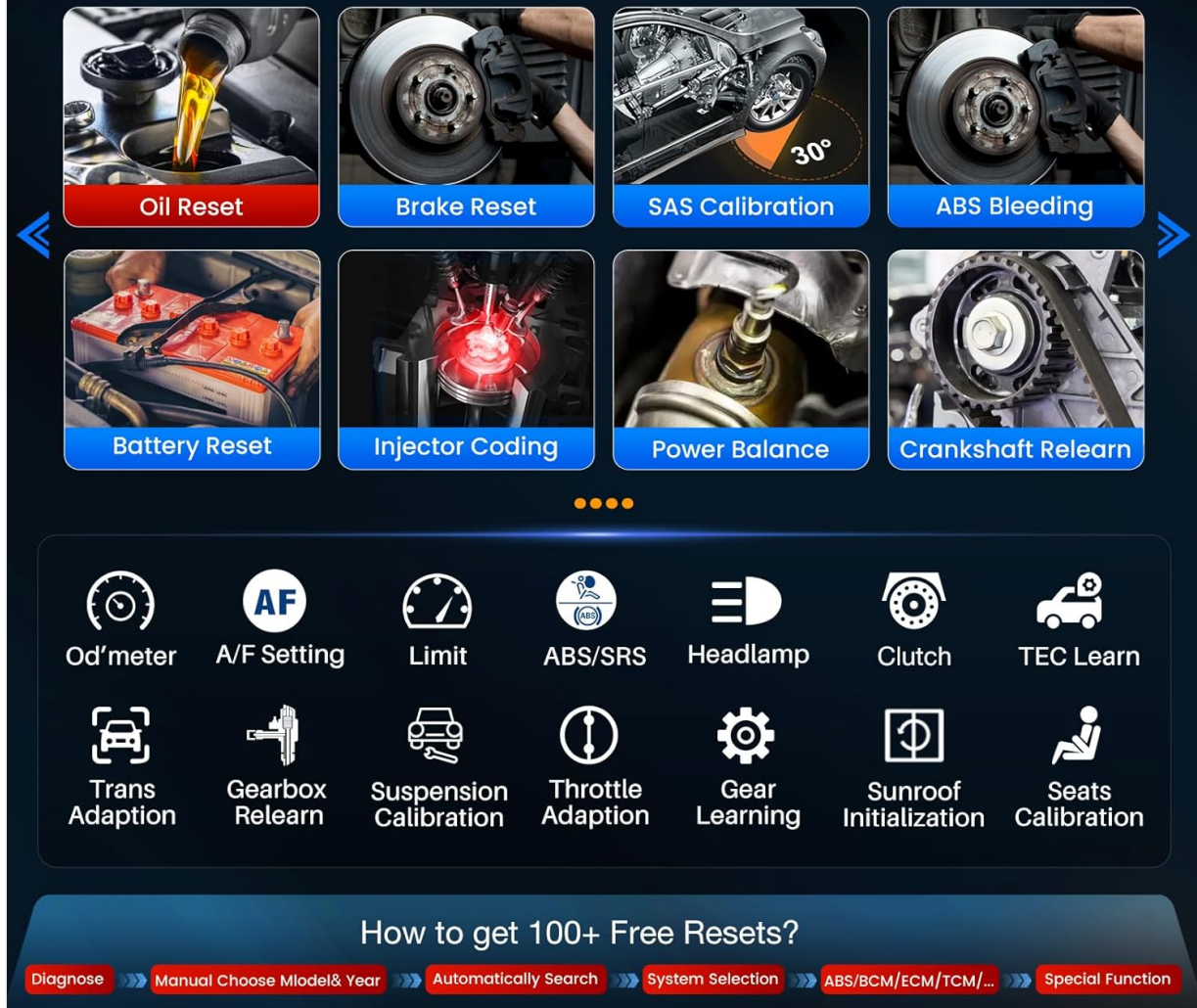


Image 4.1: Display illustrating the full system diagnostic process and bi-directional control capabilities.

4.3 Bi-Directional Control (Active Tests)

Bi-directional control allows the diagnostic tool to send commands to vehicle ECUs to perform specific tests and functions, verifying component functionality without using the vehicle's controls. This includes activating components like fuel pumps, cycling ABS solenoids, or performing injector tests.

1. From the diagnostic menu for a specific system, select 'Active Test' or 'Bi-directional Control'.
2. Choose the component or system you wish to test.
3. Follow the on-screen prompts to execute the test and observe the component's response.

4.4 Special Functions (Service Resets)

The CRP919EBT offers over 35 special service functions for various maintenance and reset procedures. These functions are typically found under 'Special Functions' within a specific vehicle system.

- Oil Reset
- Brake Reset
- SAS (Steering Angle Sensor) Calibration
- ABS Bleeding

- Battery Reset
- Injector Coding
- Throttle Adaptation
- TPMS Reset
- DPF Regeneration
- Gearbox Matching

Note: The availability and specific procedures for these functions vary by vehicle make, model, and year. Always confirm compatibility before performing any service.

WIRELESS DIAGNOSTICS

Wireless connection is extremely convenient especial when doing service repair

CRP919EBT



CRP919EBT

- ▶ Newest bluetooth tech support, 33-66ft(10-20M) wireless connection
- ▶ Upgraded DBSCAR VII dongle with more stable & 5x faster Speed
- ▶ Premium configurations, alternative USB connection,USB & BT 2-in-1

CORDED SCAN TOOLS



CRP919E/CRP919E Lite/CRP919C/CRP909E

- ▶ Narrow working range,limited by 1M cored cable
- ▶ OBDII bad contact
- ▶ Without bluetooth tech

Image 4.2: Visual representation of various special service functions available on the diagnostic tool.

4.5 ECU Coding Functions

The device supports advanced ECU coding capabilities, allowing for customization and maintenance of electronic control units.

- **Online Coding:** Supported for VW, Audi, Skoda, and Seat vehicles.
- **Online Calibration:** For precise adjustments.
- **Online Account Service Login:** For accessing manufacturer-specific functions.

- **ECU Replacement/Recode/Matching:** For adapting new or replacement ECUs.
- **PMI Function:** Allows transferring data from an original module to a new unit for module replacement (specific to Ford, Lincoln, Mazda).
- **Unlock Hidden Functions:** Access and activate dormant features in certain vehicles.



Image 4.3: Illustration of various ECU coding and component matching functions.

4.6 Advanced Protocols and Features

- **CANFD & DOIP:** Compatible with newer vehicle communication protocols, including GM (2019+), Volvo (2018+), BMW (2017+), Land Rover (2017+), and Jaguar (2017+).
- **FCA AutoAuth:** Supports secure access to FCA (Fiat Chrysler Automobiles) vehicles from 2018-2026 (Fiat, Chrysler, Alfa Romeo, Dodge, Jeep, etc.) via registered AutoAuth.
- **V.A.G Guided Function:** Provides step-by-step instructions for performing complex functions on VW, Audi, Seat, and Skoda vehicles.

2026 HIGH-END BLUETOOTH TECH

LAUNCH X431 CRP919E BT -Say No to Narrow Working Range
Break Free From Limitations.

POWER Indicator

- illuminates solid red while the VCI is powered up.

VEHICLE indicator

- illuminates green and flashes when the VCI is communicating with vehicle.

I/O indicator

- illuminates blue when the VCI is communicating with the tablet wirelessly.
- illuminates red when the VCI is connected to the tablet via USB cable.



33-66FT
(10-20M)



Bluetooth
Connection



OBDII&EOBD



Image 4.4: Overview of advanced protocol support and guided functions for various car brands.

5. MAINTENANCE

5.1 Software Updates

The CRP919EBT includes 2 years of free software updates. Regular updates ensure access to the latest vehicle coverage, bug fixes, and new features. Connect the device to a Wi-Fi network and navigate to the 'Software Update' section in the main menu to check for and install updates.

5.2 Cleaning and Storage

- Clean the device screen and body with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- Keep the VCI connector clean and free of debris.
- Store the device and its accessories in the provided storage case in a cool, dry place when not in use.

5.3 Battery Care

To prolong battery life, avoid fully discharging the device frequently. Charge the device regularly, especially if it will be stored for an extended period.

6. TROUBLESHOOTING

If you encounter issues with your CRP919EBT, refer to the following common troubleshooting tips:

- **Device not powering on:** Ensure the device is fully charged. Connect it to the power adapter and try again.
- **VCI not connecting to vehicle:** Verify the VCI is securely plugged into the OBD-II port. Check the vehicle's ignition status (usually needs to be ON).
- **VCI not connecting to main unit (Bluetooth):** Ensure Bluetooth is enabled on the main unit. Try repairing the VCI in the device settings. Ensure the VCI is within the 33-67 feet range.
- **No communication with vehicle:** Check all connections. Ensure the vehicle's battery is adequately charged. Verify the vehicle's make, model, and year selection is correct.
- **Software issues:** Perform a software update to ensure you have the latest version.

For persistent issues or advanced technical support, please contact LAUNCH customer service.

7. SPECIFICATIONS

The following table outlines the key specifications of the LAUNCH X431 CRP919EBT diagnostic scanner:



ECU CODE

Advanced ECU Module Maintenance, Customize Your Car Easily

component Matching

- Write a VIN to new ECU
- Recode replacement parts to car
- Gearbox matching
- Transmission Relearn
- Match/learn/code replaced ECU
- More...

PMI Function

- Allows you to transfer data from the original module and install it in the new unit to finish module replacement. Only for Ford /Lincoin/ Mazda, etc.

Auto engine start-stop

Flash headlight when alarm

Auto side mirrors folding

Change dashboard brightness

Fuel consumption display

Auto door

Image 7.1: Comparison chart highlighting the specifications of the CRP919EBT model.

Feature	Specification
Brand	LAUNCH
Model	CRP919EBT
Operating System	Android 10.0
Processor	4-Core High-efficiency Processor
RAM/ROM	4GB RAM / 64GB ROM
Screen Size	7 Inches
Battery Capacity	6300mAh
Connectivity	Bluetooth (DBSCAR VII VCI), USB
Wi-Fi	5G & 2.4 GHz Dual WiFi
Camera	8MP Rear Camera
Vehicle Coverage	150+ Brands (1996-2026)
Special Functions	35+ Service Resets
Update Period	2 Years Free Update
Supported Protocols	CANFD, DOIP, OBDII/EOBD
Languages	23+ Languages

8. WARRANTY AND SUPPORT

8.1 Software Updates

The LAUNCH X431 CRP919EBT includes 2 years of free software updates from the date of activation. After this period, updates may be available for purchase.

8.2 Optional Extension Modules

The CRP919EBT supports integration with various optional extension modules to expand its functionality:

- VSP600 Endoscope
- BST360 Battery Tester
- iTPMS/TSGUN TPMS Tool
- X-PROG3 Tool

8.3 Technical Support

For technical assistance, product inquiries, or warranty claims, please refer to the contact information provided in your product packaging or visit the official LAUNCH website for support resources.

