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LAUNCH Creader Elite for BMW

LAUNCH Creader Elite for BMW OBD2 Scanner User Manual

Model: LAUNCH Creader Elite for BMW

Introduction

The LAUNCH Creader Elite for BMW is a comprehensive diagnostic scan tool designed for BMW, Mini, and Rolls-Royce vehicles. It offers OE-level full-system diagnostics, various service functions, bi-directional control, and advanced ECU coding capabilities. This manual provides detailed instructions for its setup, operation, and maintenance.

What's in the Box

- 1 * LAUNCH Creader Elite OBD2 Scanner for BMW
- 1 * OBD2 Diagnostic Cable
- 1 * Type C Charging Cable
- 1 * Quick Start Guide
- 1 * User Manual

Setup and Initial Use

1. Initial Charging

Before first use, charge the device continuously for 12-24 hours to activate the battery and ensure optimal performance. Use a standard 5V/2A USB wall adapter and a high-quality data cable. Low-power chargers or faulty cables may extend charging times. If the device does not power on after charging, please contact support.



Image: The LAUNCH Creader Elite scanner connected to a charging cable, illustrating the device's main interface.

2. Connecting to Vehicle

Gently inspect your vehicle's OBD-II port and the device's connector for any visible debris or damage before plugging in.

Connect the OBD2 diagnostic cable from the scanner to your vehicle's OBD-II port.

3. Software Updates

The device supports lifetime free updates via Wi-Fi. Connect the device to a stable Wi-Fi network and navigate to the "Upgrade" section on the main menu to download the latest software, bug fixes, and new vehicle models. This ensures the scanner remains current with the latest features and vehicle compatibility.



Image: A visual representation of the one-click Wi-Fi update process on the LAUNCH Creader Elite screen, highlighting bug fixes, new functions, and newer car models.

Operating the Device

1. Main Menu Navigation

The LAUNCH Creader Elite operates on Android 5.0 OS with a 4-inch full touchscreen. The main menu provides access to key functions:

- **Diagnose:** For OE-level full system diagnostics and special functions.
- **OBD II:** For standard OBD2 functions applicable to all OBD2 compliant vehicles.
- **Mall:** To purchase additional vehicle brands' software.
- **Upgrade:** For software updates via Wi-Fi.
- **Data:** To review recorded data streams and diagnostic reports.
- **Settings:** To configure device preferences, including language.



Image: The main menu interface of the LAUNCH Creader Elite, displaying icons for various functions such as Diagnose, OBD II, Mall, Upgrade, Data, and Settings.

2. OE-Level Full System Diagnostics

This tool provides in-depth diagnostics for all available electronic control units (ECUs) and modules in BMW, Mini, and Rolls-Royce vehicles (1996-2024). It can access systems such as:

- **PCM (Drive System):** Engine, Transmission, Transfer Case, Electrical Machine Electronics, Gear.
- **Chassis System:** Accumulator Management Electronics, Steering, Integrated Chassis Management, Tyre Pressure Control, Active Cruise Control, Braking System, Suspension, TPMS.
- **BCM (Body System):** SRS Airbag, Camera, Audio Radio, Gateway, Cluster Dashboard, Rain Sensors, Charging Interface Module, Parking Assistance, Power Control Unit, Touch box, Light, Battery Charging System, Head-up Display, Wipe Control System, Roof, Seat & Door Motor system, ABS ESP system, Air Condition, Electric Windows.
- **Electrical System:** Centralized Control System Chassis Integrated Control and Safety System, Intelligent Body Electronic System, Communication and Information/Entertainment System.

Key diagnostic functions include:

- **Auto VIN & Scan:** Automatically identifies the vehicle's VIN and scans all available ECUs (mostly for 2006+ vehicles). Manual VIN input is available if auto-scan fails.
- **ECU Information Retrieval:** Accesses control unit details like unit type and version numbers.
- **Read/Clear DTCs:** Reads and clears generic and OE-specific fault codes, resetting Malfunction Indicator Lamps (MIL) after repairs. Note: Codes can only be cleared after the underlying problem is fixed.
- **Live Data Stream:** Visualizes sensor data through live streams and graphs, allowing recording and replaying of data such as Transmission Temperature, Engine Speed, and Engine Coolant Temperature.
- **Freeze Frame Analysis:** Captures a snapshot of sensor values at the moment a fault code was set, aiding in diagnosis.



Image: An illustration depicting the comprehensive OE-level full system diagnostics capability, showing the scanner connected to a car and identifying issues across various modules like engine, ABS, and transmission.

3. Bi-directional Control / Active Tests

This function allows the scanner to send commands to vehicle components and monitor their operation, enabling quick identification of faulty modules without disassembly. Examples include:

- Modulating the throttle
- Activating radiator fans
- Operating sunroof/windows/doors
- Performing injector buzz tests
- Testing fuel pumps and valves
- Turning lights ON/OFF
- A/C Compressor Activation



Image: A graphic illustrating various bi-directional control functions, such as testing radiator fans, sunroof/windows, injector buzz, and fuel pump operation.

4. Advanced ECU Coding

The ECU Coding function allows customization of OE-settings, component matching, and adaptive data reset. This includes:

- **Refreshing Hidden Features (Personalization):** Accessing and personalizing certain hidden settings, such as automatic mirror folding, automatic window unlocking, disabling seat belt alarms, or turning off automatic start/stop.
- **Vehicle Customization:** Adjusting settings to match specific vehicle requirements, including retrofitting halogen to xenon headlights or modifying battery type and capacity.
- **Module Match after Replacement:** Matching, learning, and coding replacement ECUs/modules (e.g., steering angle calibration, transmission adaptation) to ensure normal function.

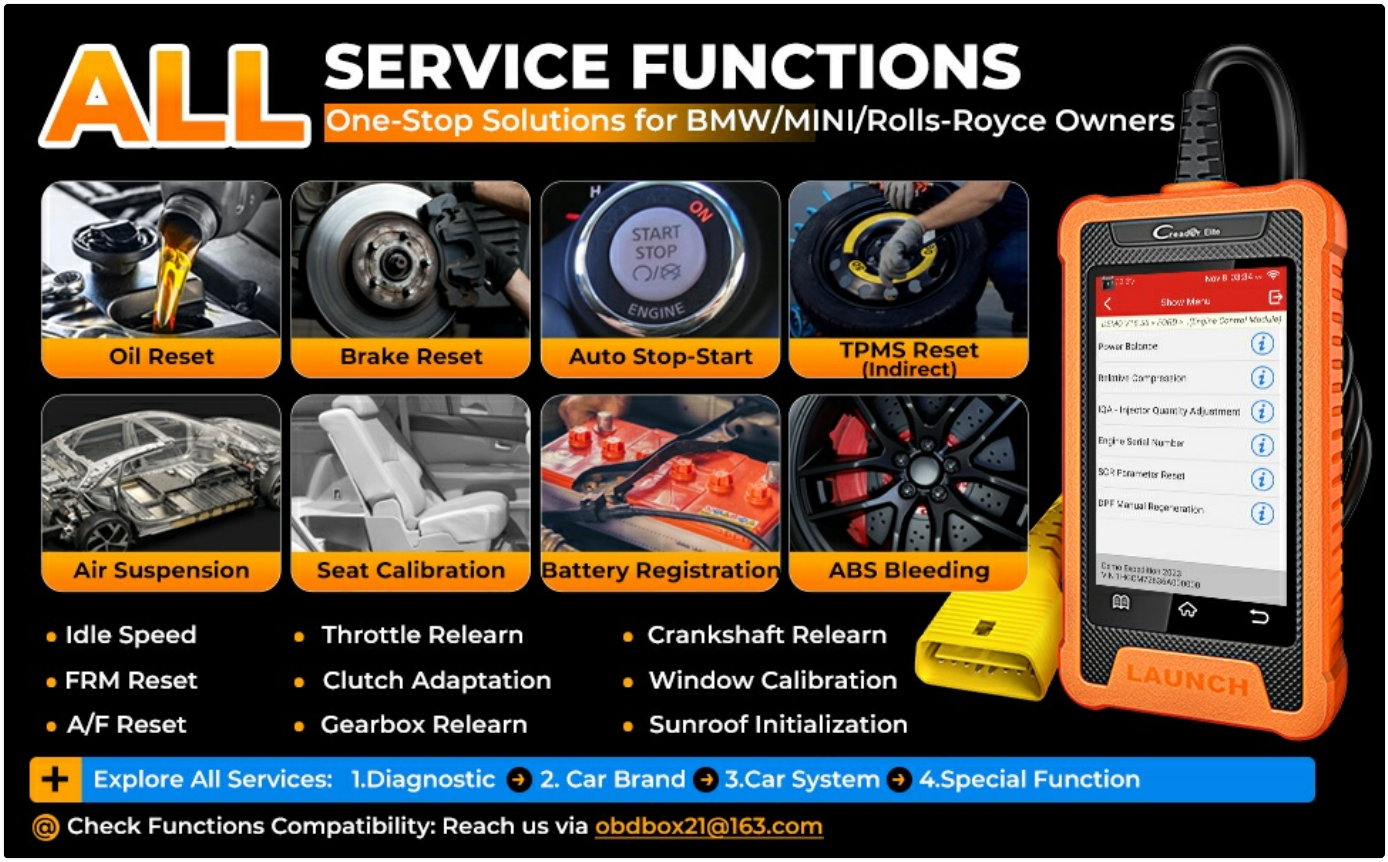


Image: A visual guide to advanced ECU coding, showing how to refresh hidden features, disable functions, and customize OE-settings, with examples like mirror auto folding and battery modification.

5. Service Functions

The tool provides numerous reset, relearn, calibration, adaptation, matching, and initialization functions for BMW, Mini, and Rolls-Royce vehicles. Access these functions via "Diagnose > Brand > System Selection > Special Function."

- **Oil Maintenance Reset:** Resets the oil service light and maintenance interval after an oil change.
- **Injector Coding:** Codes new injector numbers when replacing injectors.
- **Brake Reset:** Resets brake pad positions after replacement to clear warning lights.
- **Battery Registration & Modification:** Registers new batteries of the same type/capacity and allows modification for different types/capacities (exclusive feature). For registration: "Diagnostic > Brand > System Selection > Special Function". For modification: "Diagnostic > Brand > Coding > Retrofit".
- **ABS Bleeding:** Performs brake bleeding procedures, useful when changing brake fluid.
- **TPMS Reset:** Resets tire pressure monitoring system sensors and turns off the MIL.
- **SAS Calibration:** Corrects the steering angle sensor.
- **Throttle Adaptation:** Re-matches throttle opening to the ECU after cleaning or replacement.
- **Gear Relearn:** Necessary after replacing the crankshaft position sensor.
- **Disable Transport Mode:** Ensures all systems are functional after vehicle transportation.
- **Additional Functions:** Intelligent Cruise Control, Engine Power Balance Monitoring, Motor Angle Calibration, Head Light Fitting, Seat Matching/Calibration, Door and Window Initialization, Sunroof Initialization, Air Suspension Matching, Gearbox Matching, Multimedia Video Reset, Cluster Reset, Tire Change Reset, Coolant Bleed, NOx Sensor Reset, Stop/Start Reset, EGS Adaptive Values Reset, Adblue Reset, A/F Reset, A/C troubleshooting, CO adjustment, Mix-up Checks, Clear adaptations, Consumption calculation, Teach in transmission, Rate of rotation sensor, Disengage gear, Deactivate transport-lock function, Exhaust-gas recirculation, Final ABS /ASC check, Idle speed, Injector rate adjustment, Limitation Delivery, DME/DDE Idle Adjustment, DME/DDE Self-learning Values Erase, Mechatronics adjustment, Oil level check, Self-learning cycle, Enhanced CBS Reset/Correct, EGS, DME - CAS adjustment.



Image: A collage of images demonstrating various service functions such as Brake Reset, Oil Reset, Stop/Start Reset, SAS Calibration, Suspension Reset, Seat Calibration, Battery Matching, and Throttle Relearn.

Image: A step-by-step guide illustrating the battery registration process, from replacing the battery to completing the registration via the scanner's interface.

6. Full OBD2 Functions

For all OBD2 compliant vehicles (after 1996), the scanner supports standard OBD2 functions:

- I/M Readiness
- O2 Monitor Test
- EVAP Test
- On-board Monitor Test
- Read/Clear Codes
- Live Data
- Freeze Frame
- Component Test
- Vehicle Information

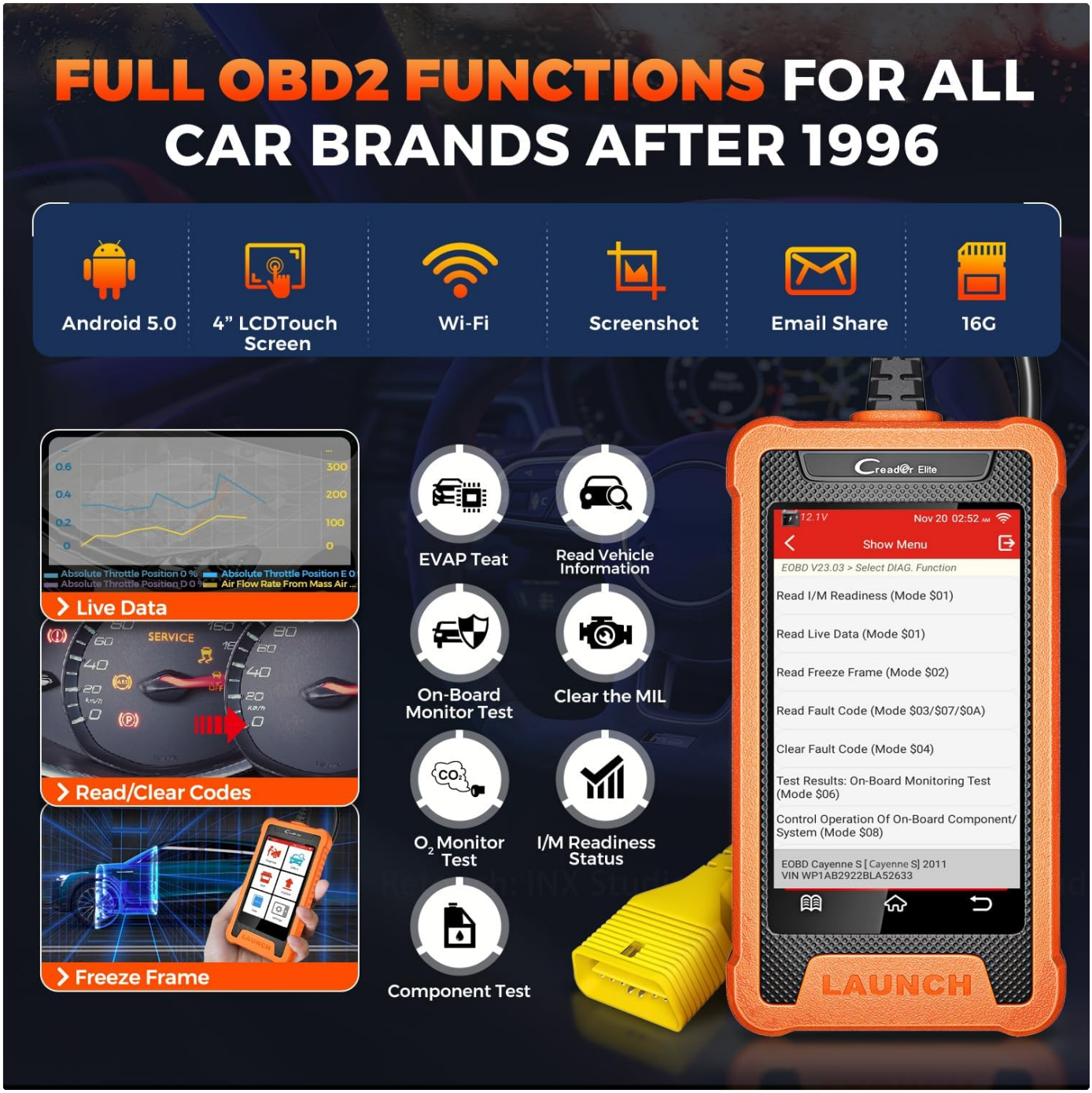


Image: The interface of the LAUNCH Creader Elite displaying various full OBD2 functions, including Live Data, Read/Clear Codes, Freeze Frame, EVAP Test, O2 Monitor Test, and I/M Readiness Status.

7. Data Management and Additional Features

- **4-IN-1 Data Stream Graphing:** Displays multiple PIDs (e.g., vehicle speed, engine RPM, transmission temp) in text or graphical form, up to 4 PIDs simultaneously. Data can be recorded and replayed.
- **DTC Lookup:** Built-in library to retrieve definitions of diagnostic trouble codes.
- **Diagnostic Report:** Auto-generated reports can be shared via email or printed.
- **Code Search:** Provides quick links to code definitions and repair tips.
- **Online Diagnostic Feedback:** Submit feedback for troubleshooting assistance.
- **11 Language Support:** English, Spanish, French, German, Italian, Russian, Portuguese, Traditional Chinese, Japanese, Polish, and Korean. Default is English; easily changed in Settings.
- **Battery Voltage Display:** Monitors the vehicle's battery voltage.



Image: A display of user-friendly functions including Auto VIN & Scan, 4-IN-1 Data Stream Graphic, Built-in DTC Library, Diagnostic Report, Code Search, Diagnostic Feedback, Battery Voltage Display, and 11 Language support.

Maintenance

- **Software Updates:** Regularly update the device via Wi-Fi to ensure optimal performance, access new features, and maintain compatibility with the latest vehicle models.
- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid harsh chemicals or abrasive materials.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** If the device will not be used for an extended period, ensure it is charged periodically to prevent deep discharge.

Troubleshooting

- **Device Fails to Power On:** If the scanner does not power on, it may be in a state of power loss. Charge it for at

least 3 hours before use. If it still does not turn on, contact customer support.

- **Received Broken or Used Product:** If you receive a damaged or previously used item, contact customer support for a replacement.
- **Diagnostic Code Not Clearing:** If a warning light persists after attempting to clear a code, ensure the underlying vehicle problem has been fully resolved. If the issue continues, submit online diagnostic feedback or contact customer support.
- **Auto VIN Not Working:** The Auto VIN feature is primarily for 2006+ cars and may not work on all vehicles. If it fails, try manual VIN input and scan.
- **Function Compatibility:** Special functions vary by vehicle model and year. For specific compatibility inquiries, contact customer support with your vehicle's VIN.

Specifications

Feature	Detail
Brand	LAUNCH
Model	LAUNCH Creader Elite for BMW
Operating System	Android 5.0
Display	4-inch LCD Touchscreen
Storage	2GB RAM + 16GB ROM
Battery	600mAh Lithium Ion (included)
Connectivity	Wi-Fi
Product Dimensions	10.9"L x 2"W x 8.5"H
Item Weight	1.39 pounds
Supported Languages	11 (English, Spanish, French, German, Italian, Russian, Portuguese, Traditional Chinese, Japanese, Polish, Korean)
Manufacturer Part Number	LAUNCH CRE for BMW
UPC	884508003769

Warranty and Support

- **Warranty:** 5-year warranty.
- **Returns/Replacement:** 90-day return/replacement policy.
- **Lifetime Free Update:** Enjoy lifetime free software updates for BMW/Mini/Rolls-Royce software.
- **Technical Assistance:** 24/7 technical assistance is available. For support, contact obdbox21@163.com. Please note that LAUNCH Tech USA does not provide support for Amazon customers.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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