

## Creator C420

# Creator C420 OBD2 Scanner for BMW and Mini - Instruction Manual

Model: C420 | Brand: Creator

## 1. PRODUCT OVERVIEW

The Creator C420 is a specialized OBD2 diagnostic scanner designed for BMW and Mini vehicles. It provides comprehensive system diagnostics and advanced service reset functions, in addition to standard OBD2 capabilities for all OBD2 compliant vehicles. This manual provides instructions for its proper setup, operation, and maintenance.

## 2. PACKAGE CONTENTS

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

- 1 x Creator C420 BMW Code Reader
- 1 x Carrying Case
- 1 x Card Reader
- 1 x USB Cable
- 1 x User's Manual (this document)

## 3. SETUP AND CONNECTION

Follow these steps to connect the C420 scanner to your vehicle:

1. **Locate the OBD-II Port:** The OBD-II port is typically located under the dashboard on the driver's side of the vehicle. Refer to your vehicle's owner's manual if you cannot locate it.
2. **Connect the Scanner:** Plug the C420's OBD-II connector firmly into the vehicle's OBD-II port.
3. **Power On:** The scanner will power on automatically once connected to the vehicle's OBD-II port, drawing power directly from the vehicle. Ensure the vehicle's ignition is in the 'ON' position (engine off or running,

depending on the diagnostic task).

4. **Adapter for Older Models:** For BMW and Mini vehicles manufactured between 1997-2004, a 20-pin adapter (not included) may be required to connect the C420 scanner.



Image: The Creator C420 scanner with its OBD-II connector, ready for connection to a vehicle.

## 4. OPERATING INSTRUCTIONS

The C420 features a 2.4" TFT 240K true color LCD display and a silicone keypad for navigation. The menu layout is designed for ease of use.

### 4.1. Vehicle Coverage

The Creator C420 is compatible with most BMW and Mini models from 2001 and newer. Specific series covered include:

- **1 Series:** E81, E82, E87, E88, F20, F21
- **2 Series:** F22, F23, F45, F46, F87
- **3 Series:** E46, E90, E91, E92, E93, F30, F31, F34, F35, F80
- **4 Series:** F32, F33, F36, F82, F83

- **5 Series:** E39, E60, E61, F07(GT), F10, F11, F18
- **6 Series:** E63, E64, F06, F12, F13
- **7 Series:** E38, E65, E66, E68, F01, F02, F03, F04, G11, G12
- **I Series:** I01, I12
- **X Series:** X1: E84/F48/F49, X3: E83/F25, X4: F26, X5: E53/E70/F15/F85, X6: E71/E72/F16/F86
- **Z Series:** Z3: E36, Z4: E85/E86/E89
- **MINI:** R50, R52, R53, R55, R56, R57, R58, R59, R60, R61, F54, F55, F56, F57

# VEHICLE COVERAGE

■ Work on the BMW/Mini Most 2001 and Newer

1 Series	E81, E82, E87, E88, F20, F21
2 Series	F22, F23, F45, F46, F87
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MINI	R50, R52, R53, R55, R56, R57, R58, R59, R60, R61, F54, F55, F56, F57

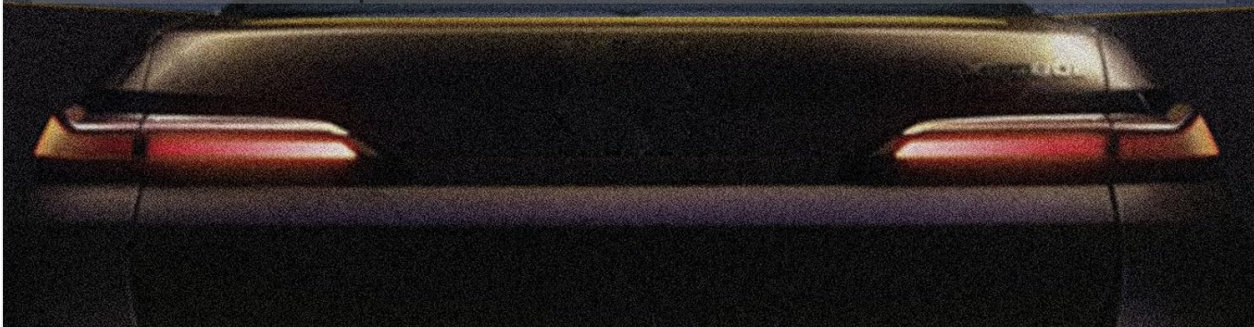


Image: Detailed list of BMW and Mini series and chassis codes supported by the C420 scanner.

## 4.2. Full System Diagnostics

The C420 supports diagnostic functions for all major vehicle systems, allowing you to read and clear trouble codes. Systems include, but are not limited to:

- Engine (ENG)
- Anti-lock Braking System (ABS)
- Supplemental Restraint System (SRS / Airbag)
- Steering Angle Sensor (SAS)

- Electronic Parking Brake (EPB)
- Battery Management System (BMS)
- Transmission Control Module (TCM)
- Tire Pressure Monitoring System (TPMS)
- Immobilizer System (IMMO)
- Air Conditioning / HVAC
- Body Control Module (BCM)
- Fuel System



Image: Visual representation of the full system diagnostic capabilities of the C420 scanner.

### 4.3. Advanced Reset Features

The C420 offers several advanced service reset functions specifically for BMW and Mini vehicles:

- **CBS Reset:** Condition Based Service reset.
- **Battery Registration:** Registers a new battery to the vehicle's system.
- **Oil Reset:** Resets the oil service light after an oil change.
- **ABS Reset:** Resets the Anti-lock Braking System.

- **SRS Reset:** Resets the Supplemental Restraint System (Airbag).
- **SAS Reset:** Resets the Steering Angle Sensor.
- **EPB Reset:** Resets the Electronic Parking Brake.
- **DPF Service:** Diesel Particulate Filter service functions.
- **Throttle Body Alignment:** Performs throttle body adaptation.

# ADVANCED FEATURES

## ■ FIT FOR BMW AND MINI



BATTERY REGISTRATION



CBS RESET



OIL RESET



ABS RESET



SRS RESET



SAS RESET



EPB RESET



DPF REGENERATION



THROTTLE BODY ALIGNMENT

Image: Examples of advanced features available on the C420, including battery registration, CBS reset, and oil reset.

### Battery Registration Specifics:

The battery registration function does not support vehicles manufactured before 2004, nor does it support the following E chassis models: 3\_Series E46, 5\_Series E39, 7\_Series E38, X3\_E83, X5\_E53, Z3\_E36, Z4\_E85/E86, MINI\_R50/R51/R52/R53. For these specific models, direct battery replacement is sufficient as registration is not required. The battery registration function is intended for batteries of the same type and capacity as the original.



Image: Step-by-step screen prompts for performing battery registration using the C420 scanner.

#### 4.4. Universal OBD2 Functions

In addition to BMW/Mini specific functions, the C420 also serves as a universal OBD2 code reader for all OBD2 compliant vehicles, supporting functions such as:

- Turn-Off Malfunction Indicator Light (MIL)
- I/M Readiness Status
- Battery Test
- Live Data Streams
- Vehicle Information (VIN, CID, CVN)
- On-Board Monitor Test
- Freeze Frame Data
- DTC Lookup
- O2 Sensor Test

# FULL OBDII FUNCTIONS

Not only for BMW/Mini

TURN-OFF MIL	I/M READINESS	BATTERY TEST
LIVE DATA STREAMS	VEHICLE INFORMATION	ON-BOARD MONITOR
FREEZE FRAME	DTC LOOKUP	O2 SENSOR TEST

## MULTIPLE LANGUAGES SUPPORT

ENGLISH	SPANISH	GERMAN	FRENCH	CHINESE
POLISH	DUTCH	CZECH	VIETNAMESE	JAPANESE

Image: The C420 display showing various universal OBD2 functions and icons for supported languages.

## 5. MAINTENANCE

### 5.1. Software Updates

The Creator C420 supports lifetime free software upgrades. New parameters, functions, and the latest vehicle data are regularly updated. To update the software:

1. Visit the official Creator website to download the update tool and latest software package.
2. Connect the C420 scanner to your computer using the provided USB cable.
3. Follow the instructions provided with the update tool to install the new software.

### 5.2. Device Care

- Keep the device clean and dry.
- Store the device in its rugged drop-proof carrying case when not in use to prevent damage.
- Avoid exposing the device to extreme temperatures or direct sunlight for extended periods.

## 6. TROUBLESHOOTING

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- **Device does not power on:** Ensure the scanner is securely connected to the vehicle's OBD-II port and the vehicle's ignition is in the 'ON' position. Check the vehicle's fuse for the OBD-II port if the issue persists.
- **Limited information displayed:** If using on a non-BMW/Mini vehicle, the scanner will only provide universal OBD2 functions. For BMW/Mini, ensure the correct vehicle model is selected if prompted.
- **Navigation difficulties:** The menu system requires selection of vehicle model and series for specific functions. Use the 'OK' button to confirm selections and the 'ESC' button to go back.
- **Update issues:** Ensure a stable internet connection during software updates. If the update fails, try a different USB port or computer.

## 7. SPECIFICATIONS

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Feature	Specification
Brand	Creator
Model Number	Creator C420 for BMW
Power Source	OBD-II Interface
Operating System	SCM
Screen Size	2.4 Inches
Native Resolution	240K
Number of Items	1

## 8. WARRANTY AND SUPPORT

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### 8.1. Warranty

The Creator C420 comes with a 12-month manufacturer's warranty from the date of purchase. Please retain your proof of purchase for warranty claims.

### 8.2. Technical Support

Creator offers lifetime free software upgrades and dedicated technical support. For assistance with product operation, troubleshooting, or software updates, please refer to the contact information provided on the official Creator website or in the product packaging. Technical support is available to assist with any inquiries.