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## iCarsoft BMM V3.0

# iCarsoft BMM V3.0 Bidirectional Diagnostic Tool

USER MANUAL FOR BMW, MINI, AND ROLLS-ROYCE

## 1. Introduction

This manual provides detailed instructions for the operation and maintenance of the iCarsoft BMM V3.0 Diagnostic Tool. This device is designed to assist in diagnosing and performing various service functions on BMW, Mini, and Rolls-Royce vehicles. Please read this manual thoroughly before using the device to ensure proper and safe operation.

## 2. Product Overview

The iCarsoft BMM V3.0 is a professional diagnostic scanner offering comprehensive system diagnostics and advanced service functions for specific vehicle brands. It is engineered to provide in-depth analysis and maintenance capabilities.



Image: The iCarsoft BMM V3.0 diagnostic tool, showcasing its user interface and main menu options.

### Key Features:

- All System Diagnostics:** Comprehensive scanning of all available vehicle systems.
- Bi-directional Control/Active Test:** Ability to send commands to vehicle systems and components.
- Extensive Service Functions:** Includes Oil Reset, EPB, SAS, BMS, ETC, D-P.Filter, ABS Bleeding, Injector Coding, TPMS Reset, and more.
- ECU Coding:** For performance optimization, fuel efficiency, and software updates.
- Battery Test & Registration:** Assess battery health and register new batteries.
- Full OBDII Functions:** Standard OBDII diagnostic capabilities.

## 3. Setup

### 3.1 Connecting the Device

Locate the 16-pin OBDII diagnostic port in your vehicle, typically found under the dashboard on the driver's side. Connect the diagnostic tool's OBDII adapter securely to this port. Ensure the connection is firm.

### 3.2 Initial Power-Up

Once connected to the vehicle's OBDII port, the device will typically power on automatically. Follow the on-screen prompts to select your vehicle's make and model.

### 3.3 Software Updates

It is recommended to keep the device's software updated to ensure access to the latest vehicle models and functions. Updates are performed via a PC. Refer to the 'Maintenance' section for detailed update instructions.

### 3.4 Compatibility Check

Before purchasing or performing specific functions, verify compatibility with your vehicle model. This can be done through the manufacturer's official website.

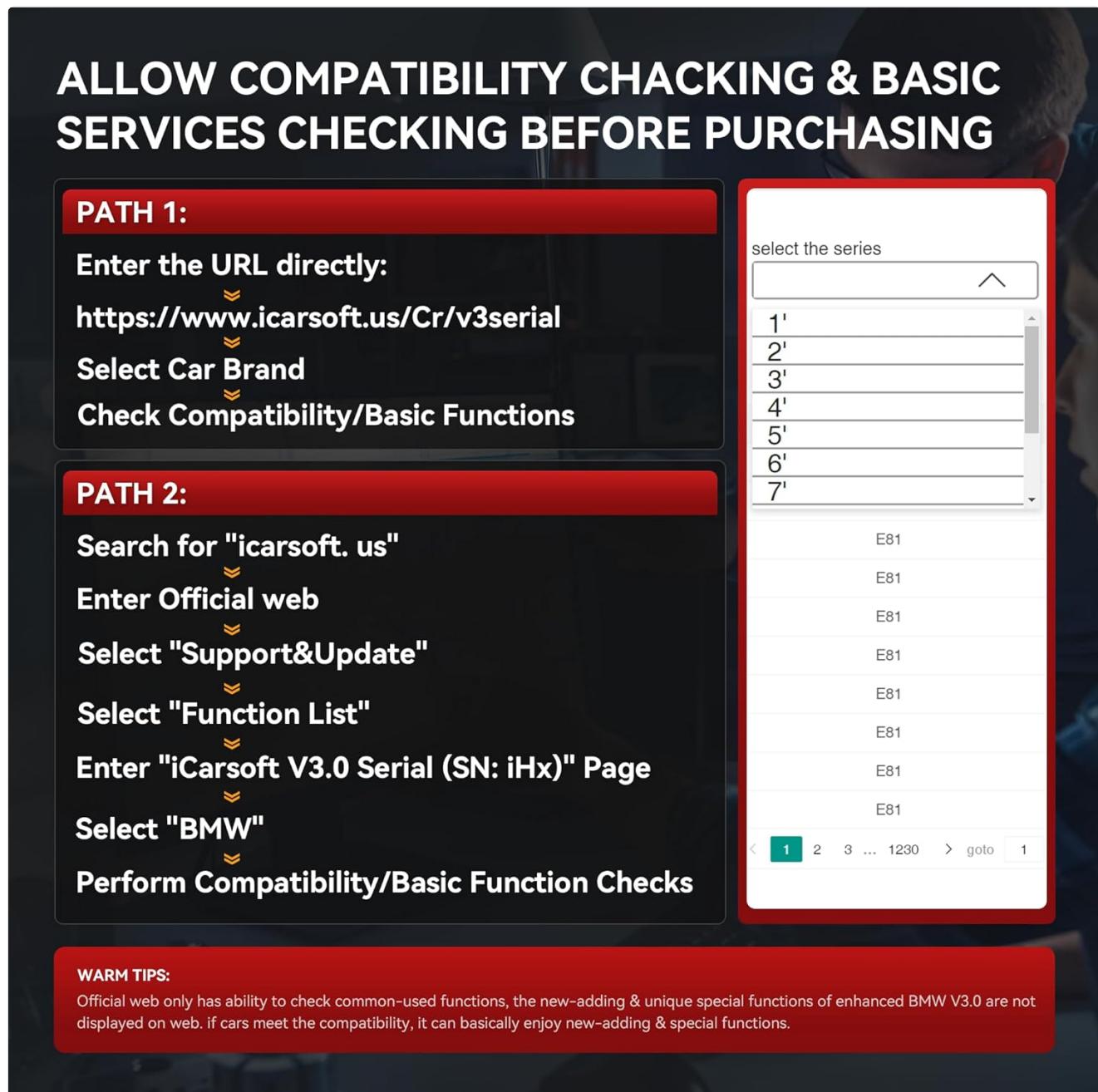


Image: Instructions on how to check vehicle compatibility and available functions on the iCarsoft website.

## 4. Operating Instructions

### 4.1 General Navigation

The device features a user-friendly interface with directional buttons (up, down, left, right), 'ENTER' for selection, 'BACK' to return, and function keys (F1, F2) for quick access to specific features. Navigate through menus using the

arrow keys and confirm selections with 'ENTER'.

## 4.2 Auto VIN Scan

The Auto VIN function allows the tool to automatically detect and identify vehicle information. If auto-scan is not supported for your vehicle, manual VIN input or selection is available.

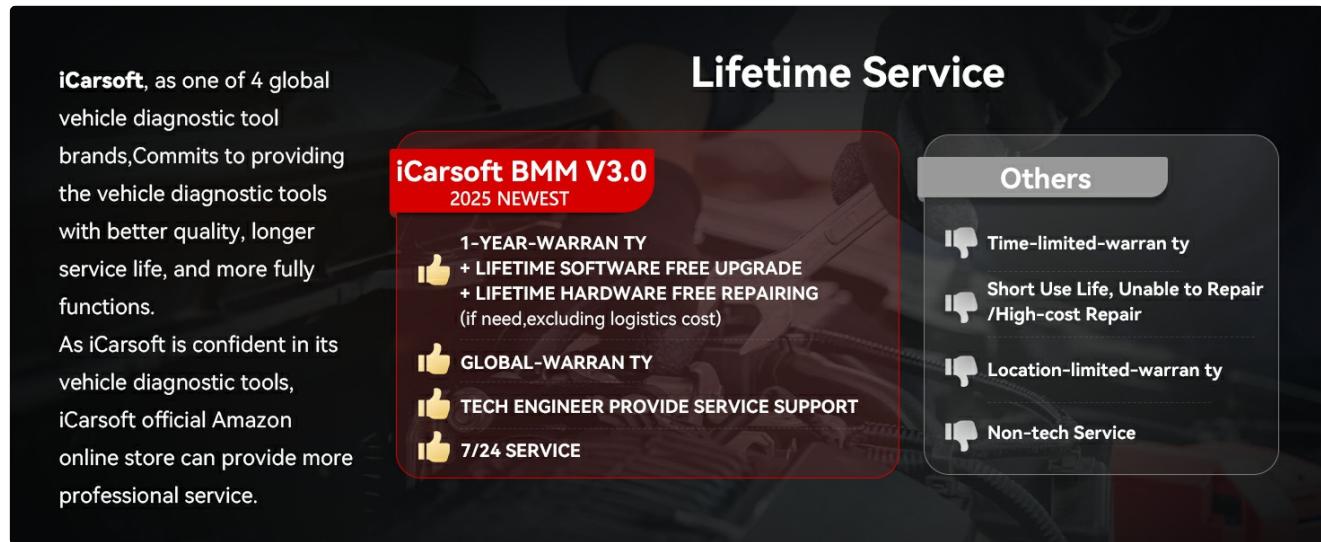


Image: The Smart Auto VIN and Auto Scan feature, demonstrating how the tool automatically identifies vehicle information.

## 4.3 Diagnostics

This function performs a comprehensive scan of all vehicle systems to identify fault codes and provide detailed reports.

- **Read/Clear Codes:** Retrieve and erase diagnostic trouble codes (DTCs).
- **Live Data Stream:** View real-time data parameters from various sensors and modules.
- **DTC Lookup:** Access a built-in library for definitions of diagnostic trouble codes.
- **Vehicle Health Report:** Generate a summary of the vehicle's diagnostic status.

# ALL SYSTEM DIAGNOSTICS FOR BMW / MINI / ROLLS-ROYCE

Engine System

Fuel System

Trans System

Chassis System

14+  
RESET FUNCTIONS

- OIL(Oil Reset Service)
- SAS(Steering Angle Calibration Service)
- EPB(Electric Parking Brake Service)
- BMS(Battery Management System Service)
- ETC(Electric Throttle Control Service)
- D-P-Filter Service
- BLD(ABS Bleeding Service)



Oil Reset



Read Codes



Clear Fault Codes



Graphing Data Stream



Battery Test



Injector Coding



ABS Bleeding

- INJ(Injector Coding Service)
- TPMS(Tire Pressure Monitor System Service)
- BSC(Body Stability Control Service)
- ECM(Engine Control Service)
- TCM(Transmission Control Service)
- IDL(Engine Idle Service)
- MIS(Miscellaneous)

Image: Overview of all system diagnostics capabilities, illustrating the tool's ability to scan various vehicle systems and perform core diagnostic functions.

## 4.4 Service Functions (Resets)

The BMM V3.0 offers a wide range of service reset functions to assist with vehicle maintenance.

- **Oil Reset Service:** Resets the engine oil life system.
- **EPB (Electronic Parking Brake Service):** Deactivates and activates the brake control system.
- **SAS (Steering Angle Calibration Service):** Performs calibration for the Steering Angle Sensor.
- **BMS (Battery Management System Service):** Registers new batteries and clears fault information.
- **ETC (Electronic Throttle Control Service):** Resets the throttle actuator.
- **D-P.Filter Service:** Performs Diesel Particulate Filter regeneration.
- **BLD (ABS Bleeding Service):** Bleeds the brake system.
- **INJ (Injector Coding Service):** Codes new injector numbers.
- **TPMS (Tire Pressure Monitor System Service):** Resets tire pressure monitoring system.
- **BSC (Body Stability Control Service):** Performs body stability control system functions.
- **ECM (Engine Control Service):** Engine control module related services.

- **TCM (Transmission Control Service):** Transmission control module related services.
- **IDL (Engine Idle Service):** Adjusts engine idle parameters.
- **MIS (Miscellaneous):** Other various service functions.

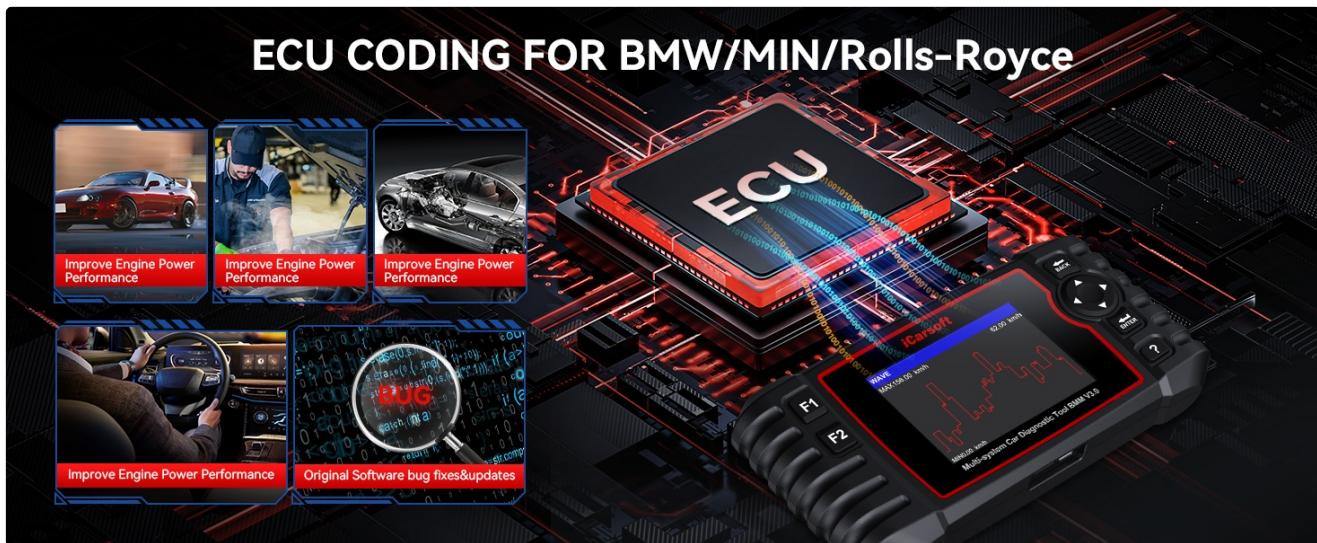


Image: A visual representation of the extensive list of maintenance services available through the diagnostic tool.

#### 4.5 Bi-directional Control / Active Test

This feature allows the diagnostic tool to send commands to vehicle systems and components to perform specific tests, verifying their functionality. This is useful for pinpointing malfunctions.

- **Injector Test:** Activates individual injectors.
- **Fuel Pump Test:** Commands the fuel pump to operate.
- **Window Test:** Controls window movement.
- **Cooling Fan Test:** Activates the cooling fan.
- **HVAC Test:** Tests heating, ventilation, and air conditioning components.
- **Wiper Test:** Controls wiper operation.
- **Door Lock Test:** Tests door lock mechanisms.
- **Horn Test:** Activates the vehicle horn.

# IN-DEPTH ACTUATION TEST / BI-DIRECTORY TEST

Active test can activate a system or component temporarily to find the exact malfunction



Image: A visual explanation of the bi-directional control and active test capabilities, showing how the tool interacts with vehicle components.

## 4.6 ECU Coding

ECU Coding allows for advanced vehicle customization and optimization. This function can:

- Improve engine power performance.
- Optimize fuel efficiency.
- Match new hardware units to the vehicle.
- Customize driving modes.
- Fix and update original software bugs.

# ECU CODING

- ✓ Improve Vehicle Performance
- ✓ Optimize Fuel Efficiency
- ✓ Match New Hardware
- ✓ Custom Driving Modes
- ✓ Fix /Update Software Bug



Image: The ECU Coding feature, highlighting its benefits for vehicle performance and software management.

## 4.7 Full OBDII Functions

The tool supports all standard OBDII diagnostic modes, providing essential engine and emission-related information.

- **Read/Clear DTCs:** Standard diagnostic trouble code management.
- **Live Data:** Real-time sensor data.
- **O2 Sensor Tests:** Monitors oxygen sensor performance.
- **I/M Readiness:** Checks emission system readiness.
- **Freeze Frame Data:** Captures vehicle conditions at the time a fault code was set.
- **Read Vehicle Information:** Displays VIN, CID, CVN.
- **On-board Monitor Test:** Accesses results of on-board diagnostic monitoring tests.
- **EVAP Test:** Tests the Evaporative Emission System.

# FULL OBDII FOR BMW /MINI /ROLLS-ROYCE

## Fit for all vehicle models



On-Board Monitor Test



I/M Readiness



Code Lookup



Freeze Frame



Read Codes



Erase Codes



Component Test



EVAP Monitor Test



O2 Monitor Test



Live Data



VIN Info



Graph DataStream



Image: A comprehensive view of the full OBDII functions supported by the iCarsoft BMM V3.0.

### 4.8 Battery Test and Registration

The tool includes functions to assess the health of your vehicle's battery and to properly register a new battery with the vehicle's Battery Management System (BMS).

Image: The battery test and registration feature, illustrating the tool's role in managing vehicle battery health.

## 5. Maintenance

### 5.1 Device Care

Keep the device clean and free from dust and moisture. Store it in a dry, cool environment when not in use. Avoid dropping the device or exposing it to extreme temperatures.

### 5.2 Software Updates

Regular software updates are crucial for maintaining optimal performance and compatibility with new vehicle models. Updates are free for life and can be performed via a PC.

- Connect the device to a computer using the provided USB cable.
- Download and install the update client software from the iCarsoft official website.
- Follow the on-screen instructions in the update client to download and install the latest software version onto your device.



Image: The process of updating the diagnostic tool's software via a personal computer.

## 6. Troubleshooting

If you encounter issues with your iCarsoft BMM V3.0, consider the following:

- **Device Not Powering On:** Ensure the OBDII connector is securely plugged into the vehicle's diagnostic port. Check the vehicle's battery status.
- **Communication Error:** Verify that the vehicle's ignition is on. Ensure the OBDII connector is properly seated. Try connecting to a different vehicle to rule out a vehicle-specific issue.
- **Function Not Working:** Some functions are vehicle-specific. Refer to the compatibility list on the iCarsoft website for your specific vehicle model. Ensure the software is up to date.
- **Screen Freezes:** Disconnect the device from the vehicle and reconnect. If the issue persists, perform a software update.
- **Vehicle After 2023:** For vehicles manufactured after 2023, contact iCarsoft support for compatibility verification as some newer models may have diagnostic limitations.
- **Incorrect OBDII Port:** The device comes with a 16-pin OBD2 adapter. If your vehicle has a 14-pin diagnostic socket, contact iCarsoft for a solution.

For persistent issues, please contact iCarsoft technical support.

## 7. Specifications

<b>Brand</b>	iCarsoft
<b>Model Number</b>	i909 (BMM V3.0)
<b>Item Weight</b>	15.8 ounces
<b>Package Dimensions</b>	10.35 x 7.4 x 2.64 inches
<b>Operating System</b>	WIN PE (Professional Automotive Inspection OS)

UPC	616245679620
Date First Available	August 27, 2015

## 8. Warranty and Support

iCarsoft is committed to providing reliable diagnostic tools and comprehensive customer support.



Image: An overview of iCarsoft's lifetime service commitment for the BMM V3.0 diagnostic tool.

### Warranty:

- 1-Year Warranty:** Covers manufacturing defects.
- Lifetime Free Software Update:** Ensures your device always has the latest features and vehicle coverage.
- Lifetime Hardware Free Repair:** Repair services for hardware issues (excluding logistics costs).

### Technical Support:

- Lifetime Technical Support:** Access to technical engineers for assistance.
- 24/7/365 After-Sale Service:** Continuous support for any queries or issues.

For support, please visit the official iCarsoft website or contact their customer service.

### Related Documents - BMM V3.0

 <p><b>iCarsoft</b> User's Manual For BMW V3.0 / MB V3.0 / VANS V3.0 / POR V3.0 / VOL V3.0 / OP V3.0 / LR V3.0 / US V3.0 / FR V3.0 / JP V3.0 / FA V3.0 / KIA V3.0 / CR V3.0 Multi-system Car Diagnostic Tool series</p>	<p><a href="#"><b>iCarsoft V3.0 Series Multi-system Car Diagnostic Tool User's Manual</b></a> Comprehensive user's manual for the iCarsoft V3.0 Series multi-system car diagnostic tool, detailing product descriptions, specifications, features, operation, and troubleshooting.</p>
 <p><b>iCarsoft</b> User's Manual For BMW V2.0 / MB V2.0 / VANS V2.0 / POR V2.0 / VOL V2.0 / OP V2.0 / LR V2.0 / US V2.0 / FR V2.0 / JP V2.0 / FA V2.0 / KIA V2.0 / CR V2.0 Multi-system Car Diagnostic Tool series</p>	<p><a href="#"><b>iCarsoft V2.0 Series Multi-system Car Diagnostic Tool User Manual</b></a> User manual for iCarsoft V2.0 Series multi-system car diagnostic tools, detailing operation, diagnostics, and special service functions like Oil Reset, EPB, BMS, DPF, ETC, and SAS for various vehicle makes.</p>
	<p><a href="#"><b>iCarsoft i800 OBDII/EOBD&amp;CAN Auto Diagnostic Tool User's Manual</b></a> Comprehensive user manual for the iCarsoft i800 OBDII/EOBD&amp;CAN Auto Diagnostic Tool, covering product features, specifications, operation, vehicle coverage, and warranty information.</p>
 <p><b>iCarsoft</b> CR MAX Manuel d'utilisation iCarsoft France</p>	<p><a href="#"><b>Manuel d'utilisation iCarsoft CR MAX : Outil de Diagnostic Automobile</b></a> Ce manuel d'utilisation détaillé fournit des instructions complètes pour l'outil de diagnostic automobile iCarsoft CR MAX, couvrant son installation, son fonctionnement, ses fonctions de diagnostic et de service, ainsi que la maintenance et le dépannage.</p>
 <p><b>iCarsoft</b> CR Unicorn Advanced Automotive Diagnostic Tool User Manual</p>	<p><a href="#"><b>iCarsoft CR Unicorn: Advanced Automotive Diagnostic Tool User Manual</b></a> Explore the capabilities of the iCarsoft CR Unicorn, a professional-grade automotive diagnostic tool. This user manual details its advanced features, including intelligent diagnostics, comprehensive maintenance functions, and system-specific procedures, designed to assist automotive technicians.</p>

FUNCTION LIST

CR Genius

Jaguar

**iCarsoft Europe**

[www.iCarsoftEurope.com](http://www.iCarsoftEurope.com)

### [Jaguar Vehicle Diagnostic Function List - iCarsoft CR Genius](#)

Detailed compatibility and function list for the iCarsoft CR Genius diagnostic tool, covering Jaguar XE, XF, XJ, XK, F-Pace, and E-Pace models. Includes supported diagnostic functions like Read Codes, Erase Codes, and Live Data for various engines and model years.