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## iCarsoft LR V 1.0

# iCarsoft LR V1.0 OBD2 Scanner User Manual

Multi-System Diagnostic Tool for Land Rover and Jaguar

## 1. INTRODUCTION

The iCarsoft LR V1.0 is a professional and powerful vehicle fault diagnostic tool specifically designed for Land Rover and Jaguar vehicles. It offers comprehensive system diagnostics, including reading and clearing Diagnostic Trouble Codes (DTCs), displaying live data, and performing various service functions such as Oil Reset and Steering Angle Sensor (SAS) Calibration. This manual provides detailed instructions to help you effectively use your device.



Image: The iCarsoft LR V1.0 diagnostic tool with its retail packaging, highlighting key features like 100+ systems diagnosis, full OBD2/EOBD modes, SAS reset, Oil reset, and Battery test.

## 2. SAFETY INFORMATION

Always observe the following safety precautions when operating the iCarsoft LR V1.0 to prevent personal injury or damage to the vehicle or the device:

- Perform automotive tests in a safe environment.
- Wear safety eye protection that meets ANSI standards.
- Keep clothing, hair, hands, tools, test equipment, etc., away from all moving or hot engine parts.
- Operate the vehicle in a well-ventilated work area; exhaust gases are poisonous.
- Put blocks in front of the drive wheels and never leave the vehicle unattended while running tests.
- Be extremely cautious when working around the ignition coil, distributor cap, ignition wires, and spark plugs. These components create hazardous voltages when the engine is running.
- Keep a fire extinguisher suitable for gasoline/chemical/electrical fires nearby.
- Do not connect or disconnect any test equipment while the ignition is on or the engine is running.

## 3. PACKAGE CONTENTS

Verify that all items are present in your package:

- iCarsoft LR V1.0 Main Unit
- OBD-II Connection Cable
- USB Cable (for updates)
- User Manual
- Storage Case

## 4. PRODUCT OVERVIEW

The iCarsoft LR V1.0 features a color LCD display, a robust keypad for navigation, and an integrated OBD-II connector cable. The device is designed for ease of use with an intuitive menu structure.

### Device Layout:

- **LCD Display:** Shows test results and menu options.
- **Function Buttons:** Diagnostics, Service, Voltage, OBDII/EOBD, Review, DTC Lookup, Setup, Help, About.
- **Navigation Buttons:** Up, Down, Left, Right, Enter, Back.
- **OBD-II Connector:** Connects to the vehicle's Data Link Connector (DLC).

## 5. SETUP AND INITIAL USE

### 5.1 Connecting to the Vehicle

1. Locate the vehicle's 16-pin Data Link Connector (DLC). This is usually located under the dashboard on the driver's side.
2. Turn the vehicle's ignition to the 'ON' position (engine off).
3. Plug the OBD-II connector cable from the iCarsoft LR V1.0 into the vehicle's DLC. The device will power on automatically.

### 5.2 Checking Vehicle Compatibility

While the LR V1.0 supports a wide range of Land Rover and Jaguar models, it is recommended to verify compatibility for specific models and functions on the official iCarsoft website. Software updates may be required for newer models or enhanced features.

# We Recommend Checking The Vehicle Compatibility On Our Official Website

Method 1

**Step 1:** Enter the Website Directly(<https://www.icarsoft.us/Cr/v1serialihx>)

**Step 2:** Select Car Brand

ABARTH	ALFA ROMEO	AUDI	BENTLEY	BENZ	BMW
BUGATTI	CITROEN	DACIA	DS	FERRARI	FIAT
JAGUAR	LAMBORGHINI	LANCIA	LANDROVER	MAN LD	MASERATI
MAYBACH	MINI	OPEL	PEUGEOT	PORSCHE	RENAULT

**Step 3:** Select the Model and Year to check Compatibility and Functions

select the model:

select the year:

---

Method 2

**Step 1:** Search for "icarsoft.us"

**Step 2:** Enter Official Website

[icarsoft.us](https://www.icarsoft.us)

**ICarsoft Technology Inc.**

We are the world's first company devoted to designing, R&D, manufacturing and selling professional single make car diagnostic tools.

Support&Updates Contact Productstore iCarsoft CR pro

**Step 3:** Select "Support&Update"

[iCarsoft](#) Home Products **Support&Update** FDA News FDA Contact

**Step 4:** Select "Function List"

[iCarsoft](#) Home Products **Support&Update** FDA News FDA Contact

Function List

**Step 5:** Select "iCarsoft V2.0 Serial (SN: IHx)..." Page

Function List

iCarsoft V1.0 Serial (SN: IHx) (BMW V1.0LR V1.0MB V1.0VAWS V1.0POR V1.0VOL V1.0V2)

**Step 6:** Select Car Brand

ABARTH	ALFA ROMEO	AUDI	BENTLEY	BENZ
BUGATTI	CITROEN	DACIA	DS	FERRARI
JAGUAR	LAMBORGHINI	LANCIA	LANDROVER	MAN LD
MAYBACH	MINI	OPEL	PEUGEOT	PORSCHE

**Step 7:** Select the Model and Year to Check the Compatibility and Functions

select the model:

select the year:

select the system:

select the functional page:

Warm Tips

It will ensure that you get the best product for your needs. If you have any questions, please drop us a line via Amazon or email: [sales@icarsoft.us](mailto:sales@icarsoft.us)

Image: A guide illustrating two methods to check vehicle compatibility on the iCarsoft official website, involving selecting the car brand, model, and year.

## 6. OPERATING INSTRUCTIONS

### 6.1 System Diagnosis

The LR V1.0 provides in-depth diagnostics for nearly all vehicle systems, including Engine, Transmission, ABS, SRS (Airbag), Air Suspension, BCM (Body Control Module), HVAC (Air Conditioning), and many more. This allows for comprehensive fault detection.

1. From the main menu, select 'Diagnostics'.
2. Choose your vehicle make (Land Rover or Jaguar).
3. Select the specific vehicle model and year.
4. The tool will establish communication and allow you to select 'Auto Scan' for a full system scan or manually select a specific List control module.
5. Read Diagnostic Trouble Codes (DTCs) and view their definitions.
6. Clear DTCs after repairs have been made.



*Image: The iCarsoft LR V1.0 displaying an 'Enhanced 100+ Systems In-depth Diagnosis' screen, showing various vehicle systems like Engine, ABS, SRS, Transmission, and more.*

## 6.2 Live Data Stream

Monitor real-time data from various sensors and components within the vehicle's ECUs. This feature is crucial for identifying intermittent problems and verifying repairs.

1. After selecting a system in 'Diagnostics', choose 'Live Data'.
2. Select the parameters you wish to monitor.
3. View data in numerical or graphical format. The LR V1.0 supports over 118 live data parameters.



Image: The iCarsoft LR V1.0 showing a '118+ Graphical & Easy to Read Live Data Monitor' screen, with detailed data for fuel system status, calculated load value, engine coolant temperature, and graphical waveforms.

### 6.3 Special Reset Functions

The LR V1.0 includes essential service functions for routine maintenance.

- **Oil Light/Service Reset:** Resets the oil service light after an oil change, ensuring the vehicle's maintenance schedule is accurately tracked.
- **Steering Angle Sensor (SAS) Calibration:** Calibrates the steering angle sensor, which is vital for vehicle stability control and safety systems, especially after steering component replacement or alignment.

## 2 Most Commonly Used Reset Functions

Upgrade to get more reset functions



# OIL

### Oil Light/Service Reset

make you easily follow the oil maintenance schedule

# SAS

### Steering Angle Sensor Calibration

ensure the stability and safety of the vehicle



*Image: The iCarsoft LR V1.0 highlighting two commonly used reset functions: Oil Light/Service Reset and Steering Angle Sensor (SAS) Calibration, with illustrative icons.*

## 6.4 Battery Test

Monitor your vehicle's battery health to prevent unexpected breakdowns. The battery test function checks the current system situation and indicates if the battery is working correctly, needs replacement, or is at a low voltage.

1. From the main menu, select 'Voltage'.
2. Follow the on-screen prompts to perform the battery test.
3. The device will display the battery voltage and a judgment of its condition (e.g., Normal, Too Low, Too High).

## 6.5 DTC Lookup and Freeze Frame Data

The tool includes a built-in DTC library to help you understand fault codes without external resources. Freeze Frame Data captures a snapshot of vehicle operating conditions at the moment a fault code was set, aiding in diagnosis.

- **DTC Lookup:** Select 'DTC Lookup' from the main menu, enter the code, and view its definition.
- **Freeze Frame:** When viewing DTCs, an option to view 'Freeze Frame' data will be available if recorded.

## 7. MAINTENANCE

### 7.1 Device Care

- Keep the device clean and dry. Use a soft, damp cloth to wipe the exterior.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.
- Store the device in its protective case when not in use.

## 7.2 Software Updates

The iCarsoft LR V1.0 offers lifetime free software updates to ensure compatibility with new vehicle models and to add new features. Regularly check for updates on the official iCarsoft website.

1. Download the update tool from the iCarsoft website.
2. Connect the LR V1.0 to your computer using the provided USB cable.
3. Follow the instructions provided by the update tool to install the latest software.

## 8. TROUBLESHOOTING

If you encounter issues while using the iCarsoft LR V1.0, refer to the following common problems and solutions:

- **Device does not power on:** Ensure the OBD-II cable is securely connected to the vehicle's DLC and the vehicle's ignition is in the 'ON' position. Check the vehicle's battery voltage.
- **Communication error:** Verify the ignition is on and the cable connection is secure. Ensure the vehicle is compatible with the tool. Try updating the software to the latest version.
- **Unable to read/clear faults:** This can occur if the vehicle's system has been recently updated by the manufacturer. Perform a software update on your LR V1.0. If the issue persists, contact iCarsoft technical support.
- **Screen frozen:** Disconnect the device from the vehicle and reconnect it. If the issue persists, perform a software update.



Image: A vehicle dashboard with various warning lights (Engine, ABS, Airbag) illuminated, indicating that the iCarsoft LR V1.0 can help diagnose and clear these fault indicators after repairs.

## 9. SPECIFICATIONS

Feature	Detail
Brand	iCarsoft
Model	LR V 1.0
Item Weight	1.46 pounds
Package Dimensions	9.29 x 5.55 x 2.68 inches
Operating System	WIN PE (Professional Automotive Inspection OS)
Automotive Fit Type	Universal Fit (for specified Land Rover/Jaguar models)

Feature	Detail
UPC	850030851840
Supported Protocols	CAN, ISO9141, KWP2000, J1850 VPW, J1850 PWM

## Key Differences (LR V1.0 Enhance Version vs. Older Versions):

- **Languages:** 5+ languages supported (older versions typically 4).
- **Maintenance Service:** Includes 2 reset services (Oil & SAS), older versions may not.
- **Diagnostic System:** 100+ systems and subsystems diagnosis (ABS, Engine, SRS, SAS, Transmission, Brake, Suspension, TPMS, BCM, etc.), older versions often only 4 systems or engine only.
- **Live Data Stream:** 118+ graphical and text data, older versions less than 10 data points (text only).
- **Subscription:** No subscription fee, older versions may require annual subscription.
- **Warranty:** Lifetime free hardware repair (express fee not free), 1-year warranty.
- **Free Update:** Lifetime free updates.

## 10. WARRANTY AND SUPPORT

iCarsoft is committed to providing reliable products and excellent customer service.

- **Warranty:** The iCarsoft LR V1.0 comes with a 1-year warranty. Additionally, lifetime free hardware repair is offered (shipping fees may apply).
- **Software Updates:** Enjoy lifetime free software updates to ensure your tool remains current with the latest vehicle models and diagnostic capabilities.
- **Technical Support:** 24/7 professional technical support is available to assist with any questions or issues regarding the usage of your device. Please feel free to reach out to the iCarsoft support team.

**Work for More Land Rover & Jaguar Models Than Universal Scanner**

Supports most of the OBDII/EOBD test modes include:  
CAN, ISO9141, KWP2000, J1850 VPW and J1850 PWM, etc

For Land Rover	For Jaguar
Range Rover	XJ XJ
Range Rover Sport	XF XF
Range Rover Evoque	XK F TYPE
Discovery II	F TYPE S TYPE
Discovery III	S TYPE X TYPE
Discovery	X TYPE
Freelander	
Defender	

**Note** Compatibility with certain special or latest models requires software updates

*Image: An illustration of iCarsoft's commitment to lifetime services, including lifetime free updates, lifetime free hardware maintenance, a 1-year warranty, and readily available technical support.*