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› iCarsoft LR V1.0 OBD2 Scanner User Manual for Land Rover and Jaguar

iCarsoft LR V1.0

iCarsoft LR V1.0 OBD2 Scanner User Manual for Land Rover and Jaguar

Model: LR V1.0

INTRODUCTION

The iCarsoft LR V1.0 is a professional diagnostic scan tool specifically designed for Land Rover and Jaguar vehicles. It provides comprehensive system diagnostics, including reading and clearing Diagnostic Trouble Codes (DTCs), displaying live data, and performing special functions like Oil Reset and Steering Angle Sensor (SAS) Calibration. This manual will guide you through the setup, operation, and maintenance of your device.



Image: The iCarsoft LR V1.0 diagnostic scanner, a red handheld device with a screen and navigation buttons.

SETUP

1. **Unpacking:** Carefully remove the iCarsoft LR V1.0 scanner from its packaging. Ensure all components listed in the "What's in the Box" section are present.
2. **Power Connection:** The device is powered via the vehicle's OBD2 port. Locate the OBD2 port in your vehicle (typically under the dashboard on the driver's side). Connect the scanner's OBD2 cable to the vehicle's port. The scanner will power on automatically.
3. **Initial Language Setting:** Upon first use, you may be prompted to select your preferred language. Use the navigation buttons to select and confirm. The device supports English, German, French, Dutch, Spanish, and Italian.
4. **Software Update (Recommended):** Before first use, it is recommended to update the scanner's software to ensure compatibility with the latest vehicle models and functions. Connect the scanner to a PC using the provided USB cable and visit the official iCarsoft website for update instructions. No Wi-Fi is needed for updates.

Enhanced 100+ Systems In-depth Diagnosis

Detect existing faults & potential faults



Image: The iCarsoft LR V1.0 scanner screen showing options for manual control module selection and auto scan, indicating its diagnostic capabilities.

OPERATING INSTRUCTIONS

General Navigation

The iCarsoft LR V1.0 features a 2.8-inch screen and intuitive button navigation. Use the directional arrows to move through menus and options, and the "ENTER" button to confirm selections. The "BACK" button returns to the previous screen.

All System Diagnostic

This function allows in-depth diagnosis of all available electronic control systems in your Land Rover or Jaguar vehicle. This includes, but is not limited to, Engine, Transmission, ABS, SRS (Airbag), Air Suspension, BCM (Body Control Module), HVAC (Air Conditioning), Steering, TPMS, and more.

1. From the main menu, select **"Diagnostics"**.
2. Choose your vehicle's make (Land Rover or Jaguar).
3. The scanner will automatically identify the vehicle or prompt you for manual selection.
4. Select **"Auto Scan"** to scan all systems, or **"Manual Select"** to choose specific control modules.
5. Once the scan is complete, you can view Diagnostic Trouble Codes (DTCs), read live data streams, and clear fault codes.

OBD2 & EOBD & CAN Full Functions Diagnostic Tool

OBD2 diagnostic functions work for all car brands

Read Codes	Clear Code	118+ Live Data	VIN & CVN	Evap System Test
I/M Readiness	PCM Data Streams	Component Test	O2 Sensor Test	
Read Freeze Frame	On-Board Monitoring	More...		

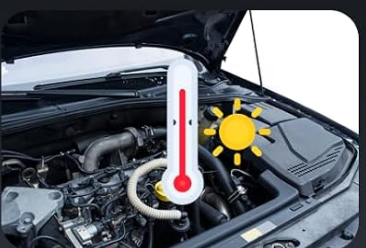




Turn off check engine light (MIL)



Injector circuit open?



Engine coolant temp overheating?

Image: The iCarsoft LR V1.0 screen showing various OBD2 functions like Read Codes, Clear Codes, Live Data, and I/M Readiness, alongside illustrations of a check engine light, an open injector circuit, and an overheating engine.

OBD2/EOBD & CAN Full Functions

This section provides standard OBD2 diagnostic functions compatible with all OBD2 compliant vehicles (not limited to Land Rover/Jaguar). These functions include:

- **Read Codes:** Displays current, pending, and permanent Diagnostic Trouble Codes.

- **Clear Codes:** Erases DTCs from the vehicle's computer and turns off the Malfunction Indicator Lamp (MIL).
- **Live Data:** Shows real-time data from various sensors in text and graphical formats.
- **I/M Readiness:** Checks the readiness of emission-related monitors.
- **O2 Sensor Test:** Retrieves O2 sensor monitor test results.
- **On-Board Monitoring:** Retrieves results for emission-related diagnostic monitoring tests of specific components/systems.
- **Read Freeze Frame:** Displays vehicle operating conditions at the time a fault code was set.
- **VIN & CVN:** Retrieves Vehicle Identification Number and Calibration Verification Number.

Special Reset Functions

The LR V1.0 supports specific reset functions for Land Rover and Jaguar vehicles.

- **Oil Light/Service Reset:** Resets the oil service light after an oil change, allowing you to follow the vehicle's maintenance schedule.
- **Steering Angle Sensor (SAS) Calibration:** Calibrates the Steering Angle Sensor, which is crucial for vehicle stability control and safety systems. This ensures accurate steering angle readings.

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 the Oil Light/Service Reset function with an image of oil being poured into an engine, and the Steering Angle Sensor Calibration function with an image of a steering wheel.

Battery Test Function

The built-in Battery Test function helps monitor your car's battery system. It assesses the battery's condition, indicating if it is working correctly, requires replacement, or is operating at a low voltage. This assists in timely fault detection for driving safety.

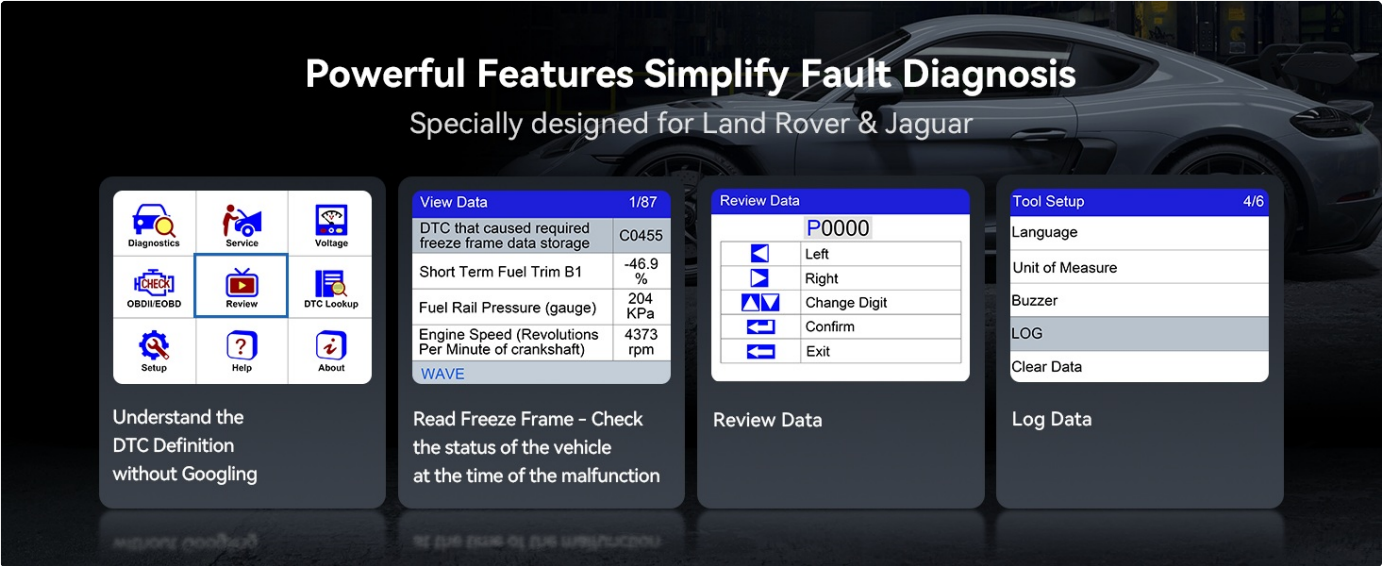


Image: A graphic illustrating the iCarsoft LR V1.0's battery test function, displaying battery voltage readings, judgment standards (e.g., Too Low, Normal, Too High), and their potential effects on vehicle operation.

Live Data Monitor

The LR V1.0 enhances data stream capabilities, providing detailed live data from various ECUs. This allows for in-depth insights into advanced systems and sub-systems like ABS, SRS, transmission, and engine. Data can be viewed in both text and graphical formats for easier analysis.

Powerful Features Simplify Fault Diagnosis

Specially designed for Land Rover & Jaguar

Understand the DTC Definition without Googling



Read Freeze Frame - Check the status of the vehicle at the time of the malfunction

View Data	1/87
DTC that caused required freeze frame data storage	C0455
Short Term Fuel Trim B1	-46.9 %
Fuel Rail Pressure (gauge)	204 KPa
Engine Speed (Revolutions Per Minute of crankshaft)	4373 rpm

WAVE

Log Data

Tool Setup	4/6
Language	
Unit of Measure	
Buzzer	
LOG	
Clear Data	

Review Data

Review Data	P0000
Left	
Right	
Change Digit	
Confirm	
Exit	

Not only the check engine light, but other systems warning lights can also be turned off

Image: The iCarsoft LR V1.0 screen showing a graphical representation of live data (e.g., Engine Coolant Temperature, Fuel System Status) alongside menu options like Diagnostics, Service, Voltage, and DTC Lookup.

DTC Lookup

The device includes a built-in DTC Lookup function, allowing you to understand the definition of diagnostic trouble codes without needing external resources.

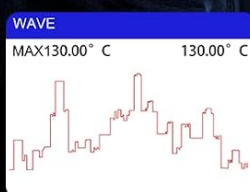
118+ Graphical & Easy to Read Live Data Monitor

Comprehensive Data Give You Valuable Car Health Insights

View Data	1/118
Fuel system 1 status	N/A
Fuel system 2 status	N/A
Calculated LOAD Value	20%
Engine Coolant Temperature	130 °C



Display detailed data for control units, such as TCM



PCM (Powertrain Control Module) data stream

Function list
Module Information
Read Fault Code
Clear Fault Memory
ViewData



Print data & share via computer



Image: The iCarsoft LR V1.0 screen displaying a DTC definition and freeze frame data, illustrating how the device helps understand fault codes and vehicle status at the time of malfunction.

MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the scanner in a dry, cool place away from direct sunlight and extreme temperatures.
- **Software Updates:** Regularly check the iCarsoft official website for software updates. Keeping your device updated ensures compatibility with new vehicle models and improved functionality. Updates are free for life and can be performed via PC.

TROUBLESHOOTING

- **Device Not Powering On:**

Ensure the OBD2 cable is securely connected to both the scanner and the vehicle's OBD2 port. Verify the vehicle's ignition is on (or engine running, depending on the test). Check the vehicle's fuse for the OBD2 port if the issue persists.

• **Unable to Read Faults or Clear Codes:**

Ensure the vehicle's ignition is in the "ON" position (engine off or running, as required by the specific test). Confirm the vehicle is OBD2 compliant. If the issue persists, perform a software update for the scanner, as car brands may update their systems irregularly, requiring a scanner system renewal to match. Contact iCarsoft support if the problem continues after updating.

• **Communication Error:**

Check all cable connections. Ensure the vehicle's battery has sufficient charge. Try connecting to a different OBD2 compliant vehicle to rule out a scanner issue. If the problem persists, contact technical support.

• **Screen Freezes or Device is Unresponsive:**

Disconnect the scanner from the vehicle and reconnect it. If the issue persists, perform a hard reset (refer to the device's specific reset procedure if available, or contact support).

SPECIFICATIONS

Brand	iCarsoft
Model Number	LR V 1.0
Power Source	Corded Electric (via OBD2 port)
Operating System	WIN PE (Professional Automotive Inspection OS)
Screen Size	2.8 Inches
Automotive Fit Type	Universal Fit (for OBD2), Specific for Land Rover/Jaguar systems
Included Components	1* OBD2 Scanner
Supported Protocols	CAN, ISO9141, KWP2000, J1850 VPW, J1850 PWM, CAN-FD

WARRANTY

The iCarsoft LR V1.0 OBD2 Scanner comes with a **1-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, please refer to the official iCarsoft website or contact customer support.

SUPPORT

For technical assistance, product inquiries, or support regarding software updates, please contact iCarsoft customer support. iCarsoft offers 24/7 professional technical support to help resolve any issues you may encounter.

- **Email Support:** sales@icarsoft.us
- **Official Website:** Visit the official iCarsoft website for FAQs, software downloads, and additional support resources.
- **Lifetime Free Updates:** Benefit from lifetime free software upgrades to access new features and maintain compatibility with evolving vehicle systems.

We Recommend Checking The Vehicle Compatibility On Our Official Website

Method1

Step1: Enter the Website Directly(<https://www.icarsoft.us/Cr/v1serialhx>)

<https://www.icarsoft.us/Cr/v1serialhx>

Step2: 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

Step3: Select the Model and Year to check Compatibility and Functions

select the model

xxxxx

select the year

xxxxx

Method2

Step1: Search for "icarsoft.us"

icarsoft.us

Step2: Enter Official Website

icarsoft.us

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 · Product&store · iCarsoft CR pro

Step3: Select "Support&Update"

iCarsoft

Home

Product&store

Support&Updates

FCA

News

FAQs

Contact

Step4: Select "Function List"

iCarsoft

Home

Product&store

Support&Updates

FCA

News

FAQs

Contact

Software Update for iCarsoft V1.0/2.0/3.0/4.0/5.0/6.0/7.0/8.0/9.0/10.0/11.0/12.0/13.0/14.0/15.0/16.0/17.0/18.0/19.0/20.0/21.0/22.0/23.0/24.0/25.0/26.0/27.0/28.0/29.0/30.0/31.0/32.0/33.0/34.0/35.0/36.0/37.0/38.0/39.0/40.0/41.0/42.0/43.0/44.0/45.0/46.0/47.0/48.0/49.0/50.0/51.0/52.0/53.0/54.0/55.0/56.0/57.0/58.0/59.0/60.0/61.0/62.0/63.0/64.0/65.0/66.0/67.0/68.0/69.0/70.0/71.0/72.0/73.0/74.0/75.0/76.0/77.0/78.0/79.0/80.0/81.0/82.0/83.0/84.0/85.0/86.0/87.0/88.0/89.0/90.0/91.0/92.0/93.0/94.0/95.0/96.0/97.0/98.0/99.0/100.0/101.0/102.0/103.0/104.0/105.0/106.0/107.0/108.0/109.0/110.0/111.0/112.0/113.0/114.0/115.0/116.0/117.0/118.0/119.0/120.0/121.0/122.0/123.0/124.0/125.0/126.0/127.0/128.0/129.0/130.0/131.0/132.0/133.0/134.0/135.0/136.0/137.0/138.0/139.0/140.0/141.0/142.0/143.0/144.0/145.0/146.0/147.0/148.0/149.0/150.0/151.0/152.0/153.0/154.0/155.0/156.0/157.0/158.0/159.0/160.0/161.0/162.0/163.0/164.0/165.0/166.0/167.0/168.0/169.0/170.0/171.0/172.0/173.0/174.0/175.0/176.0/177.0/178.0/179.0/180.0/181.0/182.0/183.0/184.0/185.0/186.0/187.0/188.0/189.0/190.0/191.0/192.0/193.0/194.0/195.0/196.0/197.0/198.0/199.0/200.0/201.0/202.0/203.0/204.0/205.0/206.0/207.0/208.0/209.0/210.0/211.0/212.0/213.0/214.0/215.0/216.0/217.0/218.0/219.0/220.0/221.0/222.0/223.0/224.0/225.0/226.0/227.0/228.0/229.0/230.0/231.0/232.0/233.0/234.0/235.0/236.0/237.0/238.0/239.0/240.0/241.0/242.0/243.0/244.0/245.0/246.0/247.0/248.0/249.0/250.0/251.0/252.0/253.0/254.0/255.0/256.0/257.0/258.0/259.0/260.0/261.0/262.0/263.0/264.0/265.0/266.0/267.0/268.0/269.0/270.0/271.0/272.0/273.0/274.0/275.0/276.0/277.0/278.0/279.0/280.0/281.0/282.0/283.0/284.0/285.0/286.0/287.0/288.0/289.0/290.0/291.0/292.0/293.0/294.0/295.0/296.0/297.0/298.0/299.0/300.0/301.0/302.0/303.0/304.0/305.0/306.0/307.0/308.0/309.0/310.0/311.0/312.0/313.0/314.0/315.0/316.0/317.0/318.0/319.0/320.0/321.0/322.0/323.0/324.0/325.0/326.0/327.0/328.0/329.0/330.0/331.0/332.0/333.0/334.0/335.0/336.0/337.0/338.0/339.0/340.0/341.0/342.0/343.0/344.0/345.0/346.0/347.0/348.0/349.0/350.0/351.0/352.0/353.0/354.0/355.0/356.0/357.0/358.0/359.0/360.0/361.0/362.0/363.0/364.0/365.0/366.0/367.0/368.0/369.0/370.0/371.0/372.0/373.0/374.0/375.0/376.0/377.0/378.0/379.0/380.0/381.0/382.0/383.0/384.0/385.0/386.0/387.0/388.0/389.0/390.0/391.0/392.0/393.0/394.0/395.0/396.0/397.0/398.0/399.0/400.0/401.0/402.0/403.0/404.0/405.0/406.0/407.0/408.0/409.0/410.0/411.0/412.0/413.0/414.0/415.0/416.0/417.0/418.0/419.0/420.0/421.0/422.0/423.0/424.0/425.0/426.0/427.0/428.0/429.0/430.0/431.0/432.0/433.0/434.0/435.0/436.0/437.0/438.0/439.0/440.0/441.0/442.0/443.0/444.0/445.0/446.0/447.0/448.0/449.0/450.0/451.0/452.0/453.0/454.0/455.0/456.0/457.0/458.0/459.0/460.0/461.0/462.0/463.0/464.0/465.0/466.0/467.0/468.0/469.0/470.0/471.0/472.0/473.0/474.0/475.0/476.0/477.0/478.0/479.0/480.0/481.0/482.0/483.0/484.0/485.0/486.0/487.0/488.0/489.0/490.0/491.0/492.0/493.0/494.0/495.0/496.0/497.0/498.0/499.0/500.0/501.0/502.0/503.0/504.0/505.0/506.0/507.0/508.0/509.0/510.0/511.0/512.0/513.0/514.0/515.0/516.0/517.0/518.0/519.0/520.0/521.0/522.0/523.0/524.0/525.0/526.0/527.0/528.0/529.0/530.0/531.0/532.0/533.0/534.0/535.0/536.0/537.0/538.0/539.0/540.0/541.0/542.0/543.0/544.0/545.0/546.0/547.0/548.0/549.0/550.0/551.0/552.0/553.0/554.0/555.0/556.0/557.0/558.0/559.0/560.0/561.0/562.0/563.0/564.0/565.0/566.0/567.0/568.0/569.0/570.0/571.0/572.0/573.0/574.0/575.0/576.0/577.0/578.0/579.0/580.0/581.0/582.0/583.0/584.0/585.0/586.0/587.0/588.0/589.0/590.0/591.0/592.0/593.0/594.0/595.0/596.0/597.0/598.0/599.0/600.0/601.0/602.0/603.0/604.0/605.0/606.0/607.0/608.0/609.0/610.0/611.0/612.0/613.0/614.0/615.0/616.0/617.0/618.0/619.0/620.0/621.0/622.0/623.0/624.0/625.0/626.0/627.0/628.0/629.0/630.0/631.0/632.0/633.0/634.0/635.0/636.0/637.0/638.0/639.0/640.0/641.0/642.0/643.0/644.0/645.0/646.0/647.0/648.0/649.0/650.0/651.0/652.0/653.0/654.0/655.0/656.0/657.0/658.0/659.0/660.0/661.0/662.0/663.0/664.0/665.0/666.0/667.0/668.0/669.0/670.0/671.0/672.0/673.0/674.0/675.0/676.0/677.0/678.0/679.0/680.0/681.0/682.0/683.0/684.0/685.0/686.0/687.0/688.0/689.0/690.0/691.0/692.0/693.0/694.0/695.0/696.0/697.0/698.0/699.0/700.0/701.0/702.0/703.0/704.0/705.0/706.0/707.0/708.0/709.0/710.0/711.0/712.0/713.0/714.0/715.0/716.0/717.0/718.0/719.0/720.0/721.0/722.0/723.0/724.0/725.0/726.0/727.0/728.0/729.0/730.0/731.0/732.0/733.0/734.0/735.0/736.0/737.0/738.0/739.0/740.0/741.0/742.0/743.0/744.0/745.0/746.0/747.0/748.0/749.0/750.0/751.0/752.0/753.0/754.0/755.0/756.0/757.0/758.0/759.0/760.0/761.0/762.0/763.0/764.0/765.0/766.0/767.0/768.0/769.0/770.0/771.0/772.0/773.0/774.0/775.0/776.0/777.0/778.0/779.0/780.0/781.0/782.0/783.0/784.0/785.0/786.0/787.0/788.0/789.0/790.0/791.0/792.0/793.0/794.0/795.0/796.0/797.0/798.0/799.0/800.0/801.0/802.0/803.0/804.0/805.0/806.0/807.0/808.0/809.0/810.0/811.0/812.0/813.0/814.0/815.0/816.0/817.0/818.0/819.0/820.0/821.0/822.0/823.0/824.0/825.0/826.0/827.0/828.0/829.0/830.0/831.0/832.0/833.0/834.0/835.0/836.0/837.0/838.0/839.0/840.0/841.0/842.0/843.0/844.0/845.0/846.0/847.0/848.0/849.0/850.0/851.0/8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