

iCarsoft VOL V1.0

iCarsoft VOL V1.0 Auto Diagnostic Scanner User Manual

1. INTRODUCTION AND OVERVIEW

The iCarsoft VOL V1.0 is a professional vehicle fault diagnosis tool developed by iCarsoft Technology Inc. This device is specifically designed for Volvo and SAAB vehicles, offering comprehensive system diagnostics and various essential service functions. It features a 2.8-inch TFT LCD display and utilizes unique diagnostic software to accurately identify and resolve complex vehicle issues. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your VOL V1.0 scanner.



The iCarsoft VOL V1.0 diagnostic scanner is available in multiple colors, featuring a clear display and intuitive button layout for easy operation.

2. PRODUCT FEATURES

The iCarsoft VOL V1.0 offers a range of functionalities to assist with vehicle diagnostics and maintenance:

- **Full System Diagnosis:** Reads and clears trouble codes on all major vehicle systems, including engine, transmission, Anti-lock Braking System (ABS), and airbag systems.
- **OBDII/EOBD Support:** Supports ten modes of operation for On-Board Diagnostics II / European On-Board Diagnostics.
- **Live Data Reading:** Displays real-time vehicle sensor data in text or graph format.
- **Oil Light/Service Reset:** Resets the oil service light and performs related maintenance resets.
- **Steering Angle Sensor (SAS) Reset:** Calibrates the steering angle sensor.
- **DTC Library:** Provides a built-in Diagnostic Trouble Code library for quick reference.
- **Data Review and Print:** Allows reviewing recorded diagnostic data and printing customized test reports via a PC connection.
- **USB 2.0 Upgrade:** Facilitates easy software updates via a USB 2.0 connection to ensure compatibility with new vehicle models and features.

- **Multi-language Support:** Operates in English, German, Dutch, Spanish, and French.

3. SETUP GUIDE

Follow these steps to set up your iCarsoft VOL V1.0 diagnostic scanner:

1. **Unpack the Device:** Carefully remove all components from the packaging. Verify that you have the VOL V1.0 scanner, main diagnostic cable, PC connecting cable, TF card, user's manual, and nylon carry case.
2. **Initial Inspection:** Inspect the scanner and cables for any visible damage.
3. **Power On:** The device typically powers on automatically when connected to a vehicle's OBD-II port. Alternatively, some functions may be accessible when connected to a PC via the USB cable.
4. **Language Selection:** Upon first use, or if prompted, select your preferred operating language from the available options (English, German, Dutch, Spanish, French).
5. **Software:** The scanner comes with pre-loaded software. It is recommended to check for and install any available updates to ensure optimal performance and compatibility.



This image displays the complete package contents: the iCarsoft VOL V1.0 scanner, main cable, PC connecting cable, TF card, user's manual, and a nylon carry case for protection and portability.

4. OPERATING INSTRUCTIONS

To operate the iCarsoft VOL V1.0 scanner, follow these general steps:

1. **Connect to Vehicle:** Locate the vehicle's 16-pin OBD-II diagnostic port, usually found under the dashboard on the driver's side. Connect the main diagnostic cable from the scanner to this port.
2. **Turn Ignition On:** Turn the vehicle's ignition to the "ON" position (engine off). The scanner should power on automatically.
3. **Select Vehicle:** From the main menu, select the appropriate vehicle make (Volvo or SAAB) and model.
4. **Perform Diagnostics:**
 - **Read Codes:** Select "Read Codes" to retrieve Diagnostic Trouble Codes (DTCs) from various vehicle systems. The scanner will display the codes and their descriptions.
 - **Erase Codes:** After addressing the underlying issue, select "Erase Codes" to clear the DTCs from the vehicle's computer. *Note: Clearing codes without fixing the problem will result in the codes reappearing.*
 - **Live Data:** Choose "Live Data" to view real-time parameters such as engine RPM, vehicle speed, sensor readings, etc. This data can be displayed numerically or graphically.
 - **Service Functions:** Access specific service functions like "Oil Service Reset" or "SAS Reset" from the menu. Follow the on-screen prompts to perform these operations.
5. **Exit and Disconnect:** Once diagnostics are complete, exit all menus and disconnect the scanner from the vehicle's OBD-II port.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your iCarsoft VOL V1.0 scanner:

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid using abrasive cleaners or solvents that could damage the screen or casing.
- **Storage:** Store the scanner in its nylon carry case in a cool, dry place, away from direct sunlight and extreme

temperatures.

- **Software Updates:** Regularly check for software updates on the iCarsoft official website. Connect the scanner to a computer via the provided USB 2.0 cable to perform updates. Updates often include new vehicle models, bug fixes, and improved functionalities.
- **Cable Care:** Handle the diagnostic cables carefully. Avoid bending or twisting them excessively, which can damage internal wires.

6. TROUBLESHOOTING

If you encounter issues while using your iCarsoft VOL V1.0, refer to the following troubleshooting tips:

Problem	Possible Cause	Solution
Device does not power on.	Loose connection to OBD-II port; vehicle ignition off; faulty cable.	Ensure the diagnostic cable is securely connected to the vehicle's OBD-II port. Turn the vehicle ignition to the "ON" position. Try a different OBD-II port if available, or inspect the cable for damage.
Communication error with vehicle.	Incorrect vehicle selection; damaged OBD-II port; software issue.	Verify that the correct vehicle make and model are selected in the scanner menu. Check the vehicle's OBD-II port for damage. Ensure the scanner software is up to date.
Cannot clear trouble codes.	Underlying vehicle fault still present; ignition not on.	Trouble codes cannot be cleared if the underlying fault that triggered them is still active. Diagnose and repair the fault first. Ensure the vehicle ignition is in the "ON" position.
Screen is frozen or unresponsive.	Software glitch; temporary system error.	Disconnect the scanner from the vehicle and reconnect it to restart the device. If the issue persists, perform a software update.

7. SPECIFICATIONS

Technical specifications for the iCarsoft VOL V1.0 diagnostic scanner:

- **Display:** 2.8-inch TFT LCD, 320*240 Pixels
- **Operation Temperature:** 0°C ~ 50°C (32°F ~ 122°F)
- **Storage Temperature:** -20°C ~ 70°C (-4°F ~ 158°F)
- **Operating Voltage:** 9 ~ 18V
- **Operating Current:** 150mA@12V (Typical)
- **Power Consumption:** 1.8W (Typical)
- **Dimensions (L x W x H):** 187.5mm x 101mm x 32mm (7.38" x 3.98" x 1.26")



The rear of the iCarsoft VOL V1.0 device, detailing technical specifications such as display size, operating temperatures, voltage, current, power consumption, and dimensions, along with the serial number.

8. WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance with your iCarsoft VOL V1.0 diagnostic scanner, please contact iCarsoft Technology Inc. directly. Refer to the official iCarsoft website or the contact information provided in your product packaging for the most up-to-date support details.



The iCarsoft VOL V1.0 diagnostic scanner is shown alongside its professional multi-system car diagnostic tool packaging, highlighting the product's branding and design.