

[Manuals.plus](#) /

› [iCarsoft](#) /

› iCarsoft US V3.0 Diagnostic Tool User Manual

iCarsoft US-V3

iCarsoft US V3.0 Diagnostic Tool User Manual

Model: US-V3

1. INTRODUCTION

The iCarsoft US V3.0 is a professional diagnostic tool designed for American vehicles, including Ford, GM, Chrysler, and Jeep models from 1996 to 2019. This device provides comprehensive system diagnostics and various special service functions to assist in vehicle maintenance and repair. It functions as a universal OBD-II scanner for reading and clearing generic engine fault codes.

2. SETUP

2.1 Package Contents

- iCarsoft US V3.0 Diagnostic Tool
- OBD-II Connection Cable
- USB Cable (for updates)
- User Manual (this document)

2.2 Connecting the Device

1. Locate the OBD-II port in your vehicle. This port is typically found under the dashboard on the driver's side.
2. Ensure the vehicle's ignition is turned off before connecting the device.
3. Connect the OBD-II cable from the iCarsoft US V3.0 tool to the vehicle's OBD-II port. Ensure a secure connection.
4. Turn the vehicle's ignition to the 'ON' position (engine off). The iCarsoft US V3.0 device will power on automatically via the OBD-II port. No external batteries are required for operation.



Image: The iCarsoft US V3.0 diagnostic tool with its OBD-II connector, ready for connection to a vehicle's diagnostic port.

2.3 Initial Settings

Upon first power-on, you may be prompted to select your preferred language and measurement units (e.g., Metric or Imperial). Follow the on-screen instructions to configure these settings.

3. OPERATING THE DEVICE

3.1 Navigation

The device features a 4.3-inch LCD screen and several buttons for navigation:

- **F1, F2, F3:** Function keys, their purpose changes based on the current screen and is indicated on the display.
- **Arrow Keys (Up, Down, Left, Right):** Used to navigate through menus and select options.
- **ENTER:** Confirms a selection or enters a submenu.
- **BACK:** Returns to the previous screen or menu.
- **?:** Provides context-sensitive help.



Image: The main menu interface of the iCarsoft US V3.0, displaying various diagnostic and service options.

3.2 Main Menu Functions

The main menu provides access to the following functions:

- **Diagnostics:** Performs comprehensive scans of vehicle systems (e.g., Engine, Transmission, ABS, Airbag).
- **Service:** Accesses special service functions such as oil light reset, EPB (Electronic Parking Brake) deactivation, battery registration, and more.
- **OBDII/EOBD:** Standard OBD-II functions for engine diagnostics, including reading/clearing generic codes, live data, freeze frame, I/M readiness, O2 sensor test, and EVAP system test.
- **Review:** Allows viewing of previously saved diagnostic data or live data streams.
- **Voltage:** Displays real-time battery voltage.
- **DTC Lookup:** Provides definitions for Diagnostic Trouble Codes (DTCs).
- **Setup:** Configures device settings like language, units, and display options.
- **Help:** Provides general information and guidance on using the tool.
- **About:** Displays device information, including software version and serial number.

3.3 Performing a Diagnostic Scan

1. From the main menu, select **Diagnostics** or **OBDII/EOBD** depending on the type of scan required.
2. Select the vehicle make and model if prompted.
3. Choose the desired system to scan (e.g., Engine, ABS).
4. The tool will communicate with the vehicle's ECU and display any detected fault codes.
5. To clear codes, select the 'Clear DTCs' option (ensure you have addressed the underlying issue before

clearing codes).

3.4 Using Special Functions

The **Service** menu provides access to various maintenance functions:

- **Oil Light Service Reset:** Resets the oil service reminder after an oil change.
- **EPB (Electronic Parking Brake) Deactivation:** Safely retracts the electronic parking brake calipers for brake pad replacement.
- **Battery Registration:** Registers a new battery with the vehicle's system.
- **Throttle Body Adjustment:** Relearns the throttle body position.
- **Suspension Calibration:** Adjusts or calibrates vehicle suspension systems.
- **Headlight Adjustment:** Assists in calibrating adaptive headlight systems.
- **O2 Sensor Test:** Monitors and tests oxygen sensor performance.
- **EVAP System Test:** Checks the evaporative emission control system.

Always refer to your vehicle's service manual for specific procedures when performing special functions.

4. MAINTENANCE

4.1 Cleaning the Device

Wipe the device with a soft, damp cloth. Do not use abrasive cleaners or solvents. Avoid getting moisture into the ports.

4.2 Software Updates

To ensure optimal performance and compatibility with the latest vehicle models, regularly update the device software. Connect the iCarsoft US V3.0 to a computer running Windows XP or later using the provided USB cable. Visit the official iCarsoft website (www.icarsoft.us) for update instructions and software downloads.

4.3 Storage

Store the device in a clean, dry environment within the specified storage temperature range of -20°C to 70°C (-4°F to 158°F) when not in use. Keep it away from direct sunlight and extreme temperatures.

5. TROUBLESHOOTING

- **Device does not power on:**

Ensure the OBD-II cable is securely connected to both the vehicle's port and the diagnostic tool. Verify the vehicle's ignition is in the 'ON' position.

- **Communication error with vehicle:**

Check all cable connections. Ensure the vehicle's ignition is on. Verify that the vehicle model is supported by the tool. Try scanning a different system or a different vehicle to isolate the issue.

- **Screen freezes or device is unresponsive:**

Disconnect the device from the vehicle, wait a few seconds, and then reconnect it. If the issue persists, perform a software update.

- **Incorrect data readings:**

Ensure the software is up to date. Verify that the correct vehicle information has been entered if prompted.

6. SPECIFICATIONS

Display	4.3" TFT LCD, 800*480 Pixels
Power Consumption	2.4W(Typical)
Temp	0°C~50°C (32°F ~122°F)
Storage Temp	-20°C~70°C (-4°F ~158°F)
Operating Voltage	9V~18V
Operating Current	200Ma@12V(Typical)
Dimensions(W*H*D)	205mm * 113mm * 31mm
Net Weight	400g

Image: A detailed table outlining the technical specifications of the iCarsoft US V3.0 diagnostic tool.

Feature	Specification
Display	4.3" TFT LCD, 800x480 Pixels
Power Consumption	2.4W (Typical)
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
Storage Temperature	-20°C ~ 70°C (-4°F ~ 158°F)
Operating Voltage	9V ~ 18V
Operating Current	200mA @ 12V (Typical)

Dimensions (W*H*D)	205mm * 113mm * 31mm
Net Weight	400g
Power Source	Vehicle OBD-II Port
Compatible PC OS for Updates	Windows XP and above

7. WARRANTY AND SUPPORT

7.1 Warranty Information

The iCarsoft US V3.0 diagnostic tool comes with a manufacturer's warranty. For specific details regarding warranty duration and coverage, please refer to the warranty card included with your product or contact iCarsoft customer support. In case of dissatisfaction, contact the seller for a refund or replacement.

7.2 Technical Support

For technical assistance, troubleshooting, or inquiries regarding product functionality, please visit the official iCarsoft website at www.icarsoft.us. The website provides resources such as FAQs, software downloads, and contact information for customer support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Email

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Details

Submit question

Open the live page

<https://manuals.plus/asin/B09Y8KDWV1>

More documents and user manuals: <https://manuals.plus/>