

iCarsoft JP V4.0

iCarsoft JP V4.0 Diagnostic Tool User Manual

Comprehensive Guide for Japanese and Korean Vehicles

- Box
- Setup
- Operation
- Maintenance
- Troubleshooting
- Specifications
- Warranty & Support

1. INTRODUCTION TO ICARSOFT JP V4.0

The iCarsoft JP V4.0 is a bidirectional diagnostic tool designed for Japanese and South Korean vehicles. It offers comprehensive system diagnostics, a wide range of reset functions, and full OBDII capabilities. This tool supports various car brands including Toyota, Lexus, Scion, Isuzu, Nissan, Infiniti, Mitsubishi, Honda, Acura, Mazda, Subaru, Suzuki, Kia, and Hyundai. Additionally, it allows users to add diagnostic software for two extra vehicle brands (e.g., Benz, Porsche, Land Rover). Featuring a 5-inch touchscreen, the JP V4.0 provides OE-level features and in-depth diagnostic functions for all vehicle systems and subsystems, helping to identify and resolve potential faults efficiently.



Figure 1: The iCarsoft JP V4.0 tool displaying its comprehensive diagnostic capabilities across various vehicle systems, including Engine, ABS, SRS, Transmission, and more.

2. WHAT'S IN THE BOX

Upon opening your iCarsoft JP V4.0 package, you should find the following components:

- 1 x iCarsoft JP V4.0 SCANNER
- 1 x 16 PIN OBD2 Adapter
- 1 x User's Manual
- 1 x Nylon Carry Case
- 1 x Data Cable
- 1 x External Power Adaptor

iCarsoft JP V4.0 DESIGNED FOR



Car Owners



Workshops



Car Dealers

Fit for Japanese vehicles and Korean vehicles

◦ Toyota ◦ Honda ◦ Nissan ◦ Mazda ◦ Subaru ◦ Mitsubishi ◦ Suzuki ◦ Lexus ◦ Infiniti ◦ Hyundai ◦ Kia



Install 1-2 new diagnostic services for other cars from EU/US vehicle brand

◦ Porsche ◦ BMW ◦ Benz ◦ VW ◦ Volvo ◦ Jeep ◦ Ford ◦ GM ◦ SPRINTER ◦ SMART ◦ Skoda ◦ RollsRoyce



Works on most of 1996
and later vehicles



LIFETIME FREE UPDATES to
access MORE FEATURES.



1 Year
Warranty



LIFETIME FREE
TECH SUPPORT



7/24 Responsive Customer Support
from Professional Engineers

Any question or want to know the compatibility, please email to us :support@icarsoft.us

Figure 2: An overview of the iCarsoft JP V4.0 package contents, clearly showing the scanner, OBD2 adapter, user manual, carry case, data cable, and external power adapter.

3. SETUP GUIDE

- Powering On:** Connect the 16 PIN OBD2 Adapter to the iCarsoft JP V4.0 scanner. The device can be powered via the vehicle's OBD-II port or the external power adapter.
- Vehicle Connection:** Locate the OBD-II port in your vehicle (typically under the dashboard on the driver's side). Plug the 16 PIN OBD2 Adapter into the vehicle's port.
- Initial Boot-up:** The scanner will power on automatically once connected to the vehicle. Follow any on-screen prompts for initial setup, such as language selection.
- Software Updates:** It is recommended to perform a software update upon first use to ensure you have the latest features and vehicle compatibility. Connect the device to a computer via the data cable and visit the official iCarsoft website for update instructions.
- Vehicle Compatibility:** For specific feature compatibility with your vehicle, refer to the iCarsoft official website's compatibility checker or contact their customer service.

ALL Vehicle Systems In-depth Diagnosis

Automatic in-depth diagnostics accurately pinpoint the fault cause



Engine System



ABS System



SRS System



Transmission System



Brake System



SAS System



Diesel Particulate Filter



Safety Belt Pretensioner



Instrument Cluster



Light System



Tire Pressure Monitoring



Electronic Parking Brake



Air Conditioning



Battery System



Electronic Stability Program



Suspension System



Oil System



Interior Monitoring



Gateway System



BCM System



EVAP System



Windows System



Seat



WSP (Immobilizer System)



One-key Auto diagnosis,
One-key Auto VIN,
Auto Scan Whole Vehicle,
Auto Read Fault Codes

Figure 3: The iCarsoft JP V4.0 diagnostic tool connected to a vehicle, showing the main menu with options like Diagnosis, Service, Upgrade, and User Data.

4. OPERATING INSTRUCTIONS

4.1. Full System Diagnostics

The JP V4.0 can perform in-depth diagnostics on all major vehicle systems. From the main menu, select "Diagnosis" to begin. The tool will automatically scan for fault codes and potential issues across systems such as Engine, ABS, SRS, Transmission, Brake System, SAS System, Diesel Particulate Filter, Instrument Cluster, Tire Pressure Monitoring, Electronic Parking Brake, Air System, Battery System, Electronic Stability Program, Suspension System, Oil System, Interior Monitoring, Gateway System, BCM System, EVAP System, Windows System, Seat, and WSP (Immobilizer System).



Figure 4: A visual representation of the iCarsoft JP V4.0's capability to perform in-depth diagnostics on all vehicle systems, highlighting the range of systems covered.

4.2. Full OBD2 Functions

Access standard OBD2 functions for vehicles manufactured after 1996. These functions include:

- Read Codes: Retrieve Diagnostic Trouble Codes (DTCs).
- Clear Codes: Erase DTCs and turn off the Check Engine Light (MIL).
- I/M Readiness: Check emission system status.
- Freeze Frame: View vehicle parameters at the moment a DTC was set.
- O2 Sensor Test: Monitor oxygen sensor performance.
- On-Board Monitoring: Test specific components/systems.
- Evap System Test: Check the evaporative emission system.
- VIN/Vehicle Info: Retrieve vehicle identification number and other information.
- Read PCM Data: Access Powertrain Control Module data.
- Live Data: View real-time sensor data, including graphical display.

- Battery Test: Perform battery and alternator tests.

ALL Vehicle Systems In-depth Diagnosis

Automatic in-depth diagnostics accurately pinpoint the fault cause

 Engine System	 ABS System	 SRS System	 Transmission System	 Brake System	 SAS System	 Diesel Particulate Filter	 Safety Belt Pretensioner
 Instrument Cluster	 Light System	 Tire Pressure Monitoring	 Electronic Parking Brake	 Air Conditioning	 Battery System	 Electronic Stability Program	 Suspension System
 Oil System	 Interior Monitoring	 Gateway System	 BCM System	 EVAP System	 Windows System	 Seat	 WSP (Immobilizer System)



One-key Auto diagnosis,
One-key Auto VIN,
Auto Scan Whole Vehicle,
Auto Read Fault Codes

Figure 5: The iCarsoft JP V4.0 screen showing the extensive list of Full OBD2 Functions available, such as Read Codes, Clear Code, I/M Readiness, and Live Data.

4.3. Multi Maintenance Services

The tool supports numerous maintenance and reset services. The availability of specific services may vary by car model and year. Examples include:

- Oil Reset
- Electronic Parking Brake (EPB) Reset
- Tire Pressure Monitoring System (TPMS) Reset
- Steering Angle Sensor (SAS) Calibration
- Injector Coding
- Battery Management System (BMS) Reset
- Diesel Particulate Filter (DPF) Regeneration

- ABS Bleeding
- Throttle Body Adjustment
- And many more.

Full OBD2 Functions



- ✓ Read Codes
- ✓ Clear Code
- ✓ Turn off Warning Light(such as MIL)
- ✓ Battery Test
- ✓ Component Test
- ✓ I/M Readiness
- ✓ O2 Sensor Test
- ✓ On-Board Monitoring
- ✓ Evap System Test
- ✓ In-depth pre-diagnosing
- ✓ DTC Library
- ✓ Pending DTC
- ✓ Permanent DTCs
- ✓ Read Freeze Frame
- ✓ 118 Graph Live Data
- ✓ Live PCM Data Stream
- ✓ Logging Data
- ✓ Review Data Stream
- ✓ Data Print & Share
- ✓ Vehicle Information: VIN & CVN
- ✓ 15+ Languages
- ✓ Customized Diagnostic Report
- ✓ More...



Regular pre-diagnosing
of potential faults



Read & clear codes, turn off MIL
(Check Engine Light)



Freeze Frame

Figure 6: A display of the "Hot Maintenance Reset/Collation Functions" offered by the iCarsoft JP V4.0, showing various services like Oil Reset, EPB Reset, TPMS, and more, applicable to different car brands.

4.4. Bidirectional Actuation Test

The JP V4.0 features professional bidirectional testing capabilities, allowing you to perform active tests on various vehicle units. This is crucial for verifying component functionality after replacement, overhaul, or during routine maintenance. Examples of actuation tests include RF TCS Solenoid, Shift SOL A-D, Gear Box Self Test, MPIM Fan Drive for Honda, and numerous tests for Lexus, Infiniti, Toyota, and Benz series cars. The quantity of available test items depends on the specific units present in your car.

Hot Maintenance Reset/Collation Functions

Extra diagnostic for 2 Vehicle Brands (Self Installation Required)

47+services for Japanese/Korean cars (Lexus/Nissan/Honda/Toyota/Mazda/Hyundai, etc.), 29+ services for VOLVO/SAAB, 27+ servicesfor Porsche, 38+services for Benz, 30+services for Landrover, 16+services for BMW ,38+services for US vehicles and more

iCarsoft



- OIL(Oil Reset Service)
- EPB(Electric Parking Brake Service)
- BMS(Battery Management System Service)
- ETC(Electric Throttle Control Service)
- SAS(Sterring Angle Calibration Service)
- DPRreset
- BLD(ABS Bleeding Service)
- INJ(Injector Coding Service)
- TPMS(Tire Pressure Monitor System Service)
- SPS(Air Suspension Service)
- ACS(Air Conditioner Service)
- LAP(Head Lamp Service)
- BSC(Body Stablity Control Service)
- ECM(Engine Control Service)
- TCM(Transmission Control Service)
- ABR(Air-Bag Reset Service)
- SIT(Seat Service)
- DWR(Door-Window-Roof Service)
- FPP(Fuel Pump Service)
- AFS(Air Filter Control Service)
- IDL(Engine Idle Service)
- IMM(Immo Service)
- MIS(Miscellaneous)
- EGrecirculation
- ODO
- DOR(Door Service)
- CYL(Engine Cylinder Service)
- Engine Addation
- ADB(AdBlue)
- CLT(Clutch)
- WPP(Water Pump)
- CST(Crankshaft)
- GpF(Gaspaticulator Filter)
- HBT(High Voltage Battery)
- CCS(Cruise Control System)
- LGG(Language Setting)
- NOX(NOx Sensor)
- RAN(Rain /Light Sensor)
- STT(Stop And Start)
- TBC(Turbocharger)
- HUD(Head-Up Display)
- IRS(Radar/Camera)
- VSP(Vehicle Setup)
- CMC(Cylinder Misfire Check)
- CUR(Control Unit Reset)
- O2S(Oxygen Sensor)
- BLT(Seat Belt)

⚠ Not all services will work on your cars, the available services are based on the ECU control modules your car has.

Figure 7: An illustrative diagram explaining the "In-depth Actuation Test / Bi-directory Test" feature, showing how the scanner sends commands to specific components and receives feedback from sensors.

4.5. Live Data and Diagnostic Reports

The tool provides in-depth diagnosis with graphic data for checking the health of all available modules. You can view live data streams in real-time, which helps in analyzing and utilizing vehicle information for accurate maintenance. Additionally, the JP V4.0 can generate detailed diagnostic reports, helping you identify the most likely root cause of a fault. These reports can be customized and printed for your records.

IN-DEPTH ACTUATION TEST / BI-DIRECTORY TEST

Bidirectional Test covers all Available Systems for Japanese/ Korean Cars (Toyota/Honda/Nissan/Mazda/Subaru/Suzuki/Lexus...) + OTHER CARS you selected.



Figure 8: The iCarsoft JP V4.0 screen showing graphic data for in-depth diagnosis, allowing users to visualize the health of various vehicle modules.

5. MAINTENANCE

To ensure the longevity and optimal performance of your iCarsoft JP V4.0 diagnostic tool, follow these maintenance guidelines:

- **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 when not in use to protect it from dust, moisture, and physical damage. Keep it in a cool, dry place away from direct sunlight.
- **Software Updates:** Regularly check for and install software updates from the official iCarsoft website. Updates often include new vehicle models, features, and performance optimizations.
- **Cable Care:** Handle the OBD2 adapter and data cables with care. Avoid bending or twisting them excessively, which can lead to internal damage.
- **Battery Care:** If the device has an internal battery, ensure it is charged periodically, even when not in active use, to maintain battery health.

6. TROUBLESHOOTING COMMON ISSUES

This section addresses common issues you might encounter with your iCarsoft JP V4.0 tool.

- **Device Not Powering On:**
 - Ensure the OBD2 adapter is securely connected to both the scanner and the vehicle's OBD-II port.
 - Verify the vehicle's ignition is on (or engine running, depending on the function).
 - If using the external power adapter, ensure it is properly connected to a power source.
- **Communication Error with Vehicle:**
 - Check that the OBD2 adapter is firmly connected.
 - Confirm the vehicle's ignition is in the ON position.
 - Ensure the vehicle is compatible with the iCarsoft JP V4.0. Refer to the compatibility list or contact support.
 - Try the scanner on a different compatible vehicle to rule out a device issue.
- **Inaccurate Readings or Functions Not Working:**
 - Perform a software update to ensure the latest vehicle protocols are installed.
 - Verify that the specific function is supported for your vehicle's make, model, and year. Compatibility can vary.
 - Ensure the vehicle's battery voltage is sufficient for accurate diagnostics.
- **Screen Freezes or Slow Performance:**
 - Restart the device by disconnecting it from the vehicle and then reconnecting.
 - Ensure there is sufficient internal memory if recording live data.

If you encounter persistent issues, please refer to the "Warranty & Support" section for assistance.

6.1. Vehicle Compatibility Information

It is important to understand that while diagnostic tools offer a range of features, compatibility can vary across different vehicle makes, models, and years. Older vehicles may have less coverage due to lacking the necessary computer systems to support certain functions. Additionally, some features may only work on unmodded vehicles.

Your browser does not support the video tag.

Video 1: This video from DereksAuto explains how vehicle compatibility can vary with diagnostic tools, emphasizing the importance of checking specific year, make, and model for feature availability.

For precise compatibility details, it is recommended to use the manufacturer's coverage checker tool or contact their customer service team. They can provide specific information on which features will function with your vehicle.

7. TECHNICAL SPECIFICATIONS

Feature	Detail
Brand	iCarsoft
Model	JP V4.0-US
Item Weight	1.5 pounds
Package Dimensions	9.5 x 6.99 x 2 inches

Feature	Detail
Batteries	1 Nonstandard Battery (included)
Power Source	Battery Powered
Operating System	Android 8.0
Screen Size	5 Inches
Automotive Fit Type	Universal Fit

8. WARRANTY AND SUPPORT

The iCarsoft JP V4.0 diagnostic tool comes with a **1-year warranty**. iCarsoft also provides **lifetime free updates** to add new features and support for the newest vehicle models, as well as optimize performance. Additionally, **lifetime hardware free repair** is offered if needed in the future.

For any questions or problems regarding the usage of your device, iCarsoft offers **24/7 technical support**. You can reach out to their tech team for timely assistance. It is recommended to contact iCarsoft directly or visit their official website to check compatibility for your specific car model, especially for newer models (2024-2025) which may still have non-factory diagnostic limitations.

Contact information for support is typically available in the user manual included with your product or on the official iCarsoft website.

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

Anonymous

Email

you@example.com

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

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

How can I perform immobilizer (IMMO) synchronization using the iCarsoft JP V4.0 after a battery drain?

The iCarsoft JP V4.0 is capable of diagnosing the WSP (Immobilizer System) and performing various maintenance resets. If your vehicle's immobilizer synchronization was lost due to a dead battery, follow these steps to attempt...

[Read full answer](#)

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