



User Manual

JU2000

PROFESSIONAL MULTI-SYSTEM CAR DIAGNOSTIC TOOL



PROFESSIONAL. FAST. SMART. POWERFUL

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Service & Support



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PRECAUTION

To ensure personal safety and prevent damage to equipment/vehicles, always adhere to the safety guidelines and applicable test protocols provided by the vehicle/equipment manufacturer prior to use. Familiarize yourself with the safety instructions outlined in this manual.

Vehicle maintenance methods and operator skill levels vary significantly. Given the wide range of diagnostic applications and vehicle systems supported by this tool, we cannot anticipate or prescribe safety measures for every scenario. Follow proper servicing practices aligned with ISO 14229-1 diagnostic protocols and SAE J2012 test procedures.

DANGER

Critical Ventilation Requirement

Ensure the service area is WELL VENTILATED during engine operation or connect an exhaust extraction system to the vehicle's tailpipe.

Hazard Warning

Engines emit carbon monoxide (CO) – an odorless toxic gas that causes impaired reaction times and poses life - threatening risks.

SAFETY INSTRUCTIONS

1. **Ventilation & Exhaust Management:** Ensure proper ventilation or use exhaust extraction systems (SAE J1111) during engine operation to prevent carbon monoxide exposure.
2. **Personal Protective Equipment:** Wear ANSI - certified eye protection and secure loose clothing/hair to avoid entanglement with moving parts.
3. **Vehicle Stabilization:** Park in "PARK" (automatic) or "NEUTRAL" (manual), engage the parking brake, and block drive wheels to prevent unintended movement.
4. **Electrical System Caution:** Avoid ignition components (coil, wires, plugs) when energized. Disconnect test equipment before ignition/engine startup. Be extra cautious when working around the ignition coil, distributor cap, ignition wires and spark plugs.
5. **Equipment Handling:** Keep equipment dry, clean, and free from oil/grease. Use mild detergent for external cleaning only.
6. **Fire Safety:** Maintain an ABC - rated fire extinguisher nearby to address gasoline, chemical, or electrical fires.
7. **Diagnostic Compliance:** Follow vehicle/service manual protocols (ISO 14229 - 1) and ensure a fully charged battery with secure DLC connection.
8. **EMI Protection:** Avoid placing equipment on vehicle distributors to prevent damage from electromagnetic interference.
9. **Distance & Distraction:** Maintain $\geq 20\text{cm}$ clearance from the body and never operate equipment while driving to avoid accident.

Power Sources

The Diagnostic Tablet can receive power from any of the following sources:

- **Internal Battery Pack:** A full charge provides approximately 8 hours of continuous operation. New batteries reach full capacity after approximately 3 to 5 charging and discharging cycles.
- **External Power Supply:** Power via USB cable and USB external power adapter.

Power On

Press the top - right Lock/Power button to power on.
The system boots and shows the lock screen.
Slide the lock icon upward to access the JU2000 menu.

Power Off

Terminate all vehicle communications before powering off. Forced shutdown during active communication may cause ECM issues on certain vehicles. Exit the Diagnostics app prior to powering down.

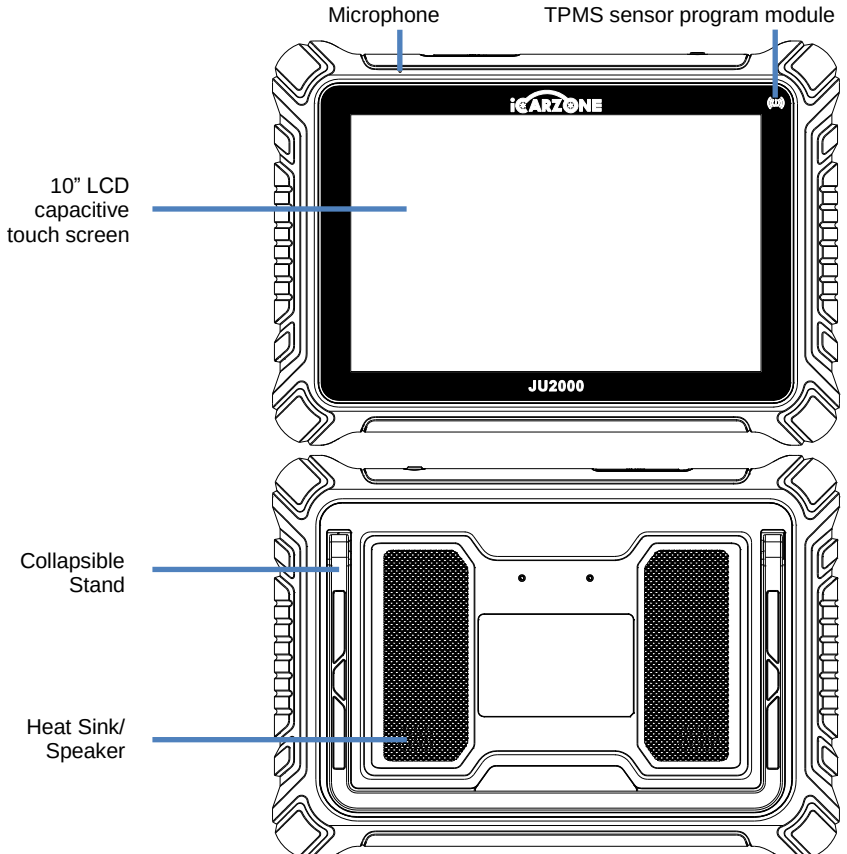
➤ To power down the display tablet:

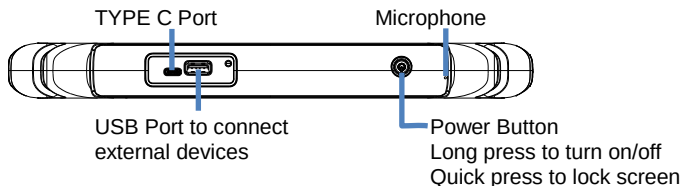
Long press the Lock/Power Button -> Tap **Power off** -> Tap **OK**.

Reboot System

In case of system crash, long press the Lock/Power button and tap Reboot option to restart the system.

1 Product Structure



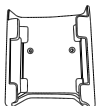
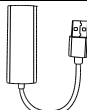
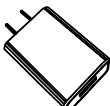
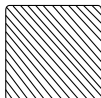
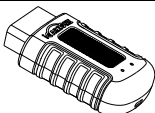
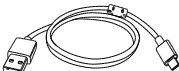
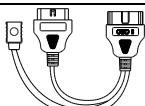
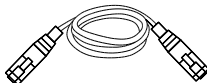


1.1 Technical Specifications

Item	Description
Recommended Use	Indoor
Operating System	Android 8.1.0
Processor	Quad Core 1.3 GHz
Memory	2GB
Storage	64GB
Display	10-inch LCD capacitive touchscreen with 1280 x 800 resolution
Connectivity	• USB Host • USB Type C • Wi-Fi (2,4 GHz) • Bluetooth
Body Color	Black
Audio Input/ Output	• Input: N/A • Output: Buzzer & Speaker
Power and Battery	• 3.8V/10000mAh 38Wh lithium-polymer battery • Charges via 5V DC power supply
Tested Battery Life	Around 8 hours of continuous use
Type C Input	5V --- 2A
Power Consumption	600mA (LCD on with default brightness, Wi-Fi on) @3.8 V
Operating Temp.	0°C to 50°C(32°F to 122°F)
Storage Temp.	-20 to 70°C (-4 to 158°F)
Operating Humidity	5% - 95% non-condensing
Dimensions (W x H x D)	300mm x 214mm x 31.4mm (11.8 inch x 8.4 inch x 1.2 inch)
Net Weight	≈1300g (2.866 lb)
Supported Automotive Protocols	ISO9141-2, ISO14230-2,ISO15765, K/L-Line, Flashing Code, SAE-J1850 VPW, SAE-J1850 PWM, ISO11898 (Highspeed, Middlespeed, Lowspeed and Singlewire CAN), CAN FD, SAE J2610,GM UART,UART Echo Byte Protocol, Honda Diag-H Protocol, TP2.0, TP1.6. DoIP

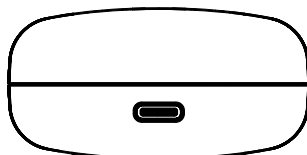
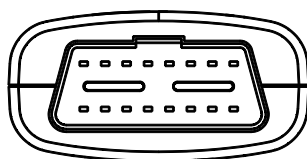
1.2 Accessory Kit

	User Manual Tool operations instructions.		Packing list
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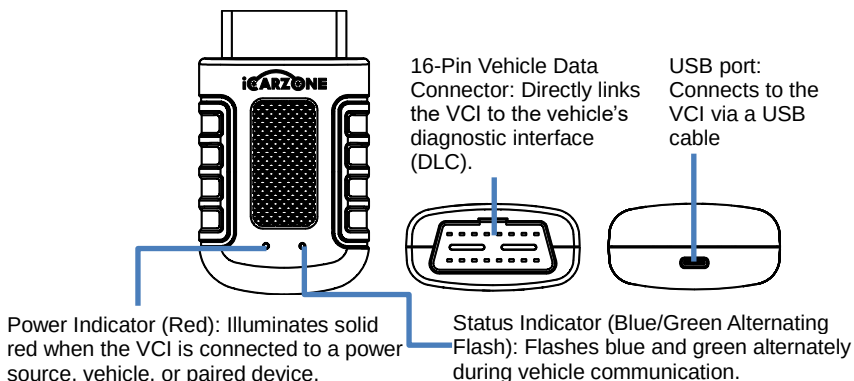
	VCI Adapter Holder		USB to Ethernet Adapter Cable
	USB External Power Adapter Together with the USB cable, connects the Display Tablet to the external DC power port for power supply.		Cleaning cloth
	VCI Adapter JU2000 VCI is a compact VCI connecting to the vehicle's DLC and pairing with the tablet to enable bidirectional data transmission.		
	USB Cable Connects the Display Tablet to the PC or DC external power adapter.		
	OBDII Connector F-Chassis		RJ45 Network Cable, 1.2 M

The wireless diagnostic interface

JU2000 VCI



1.3 JU2000 VCI Device



1.3.1 Technical Specification

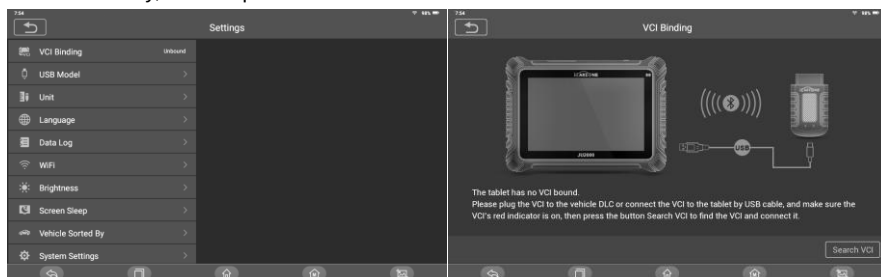
Item	Description
Communication	BLE
Wireless frequency	2.4 GHz
Input voltage range	9V-18V==
Power supply current	100mA@12V(typical)
Operating temp.	0°C to 50°C(32°F to 122°F)
Storage temp.	-20°C to 70°C(-4°F to 158°F)
Dimensions (L x W x H)	94 mm x 56mm x 28 mm (3.7 inch x 2.2 inch x1.1 inch)
Weight	≈67g (0.148 lb.)

1.3.2 VCI Device binding

The VCI can connect to tablets via Bluetooth or USB, with USB typically offering faster speeds.

First - Time Binding Steps

1. Navigate to the settings and select the VCI binding option.
2. Tap "Search VCI device". If the tablet's Bluetooth is off, you'll be prompted to turn it on. Alternatively, use the provided USB cable for connection.



3. After Bluetooth is connected, wait for the device to be searched, and tap the tablet with the

same serial number as the VCI device to bind.

EN 4. A success message and the VCI serial number will appear upon successful binding.



- 5. To unbind, tap the “Unbind” button. You can then bind with another VCI.
- 6. After successful binding, the VCI binding option on the settings page will show the bound VCI's serial number.
- 7. Bind Prompt: When attempting vehicle communication without a bound VCI, the tablet prompts you to bind. Confirm to access the binding interface and follow on-screen instructions.

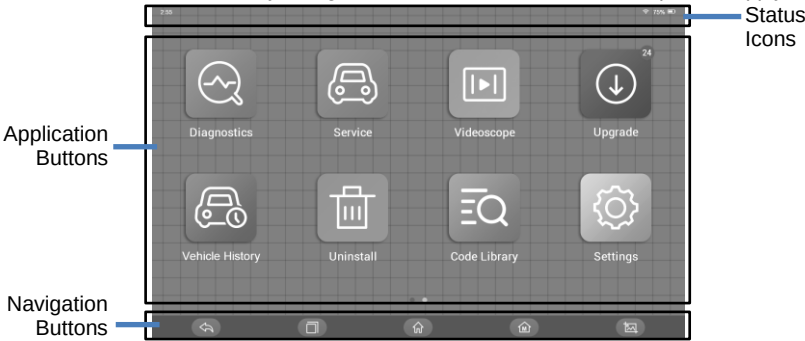
1.3.3 VCI Device connection

The tablet communicates with the VCI via Bluetooth (10m range, signal auto-restores when re-entering range) or faster USB, with successful pairing enabling automatic vehicle data transmission to the tablet upon entering the diagnostic system—indicated by alternating blue/green flashes on the VCI's right-side light.

2 Operation

2.1 Main Interface

* Ensure the tablet is sufficiently charged or is connected to the external power supply.



NOTE

The tablet screen is locked by default upon startup. It is recommended to lock the screen when not in use to protect the information in the system and conserve the power.

2.2 Locator and Navigation Buttons

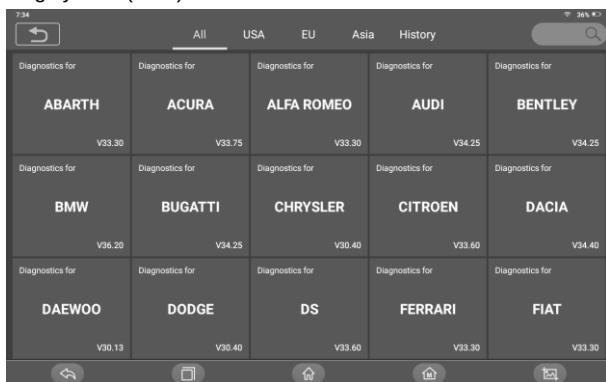
Button	Name	Description
	Locator	Shows screen position. Swipe left/right to navigate between screens.

	Back	Returns to the previous screen.
	Recent Apps	Shows running apps. Launch by tapping icons. Swipe apps up/down to remove.
	Android Home	Returns to Android System's Home screen.
	JU2000 Home	Returns to JU2000 Job Menu.
	Screenshot	Capture a screenshot of the current display to save information.

3 Diagnostics



The Diagnostics application can access the electronic control unit (ECU) of various vehicle control systems, such as engine, transmission, anti-lock brake system (ABS), airbag system (SRS) and more.

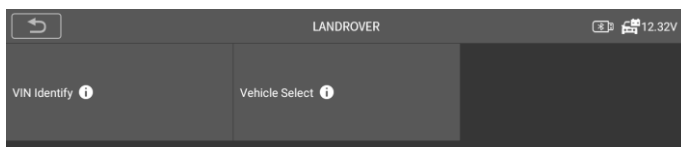


Button	Name	Description
	Back	Returns to the JU2000 Job Menu.
	All	Displays a menu of vehicle manufacturers.
	USA	Displays the USA vehicle menu.
	Europe	Displays the European vehicle menu.
	Asia	Displays the Asian vehicle menu.
	History	Displays stored test vehicle history records.
	Search	Searches for a specific vehicle make.

3.1 Vehicle Identification

The JU2000 diagnostic system supports 2 methods for Vehicle Identification.

1. Auto identify or VIN identify
2. Vehicle select



*The displayed option (Auto Identify or VIN Identify) varies by vehicle type

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3.1.1 Auto Identify

The “VIN identify” can automatically parse the car model, eliminating the cumbersome program manually input by the user. For some vehicles that do not support the auto scan function, the diagnostic tool allows you to manually enter the vehicle identification number.

● Automatic VIN identification

➤ To perform VIN Identify

1. Tap the **Diagnostics** application button from the JU2000 Job Menu.
2. Select **vehicle brand**. Tap the “Auto Identify”, Wait for the vehicle to communicate.
3. Once the test vehicle is successfully identified, the screen will show the Vehicle information: include VIN, model code, brand etc., then tap OK to enter the diagnosis.

Vehicle Information	
VIN	SALSN23446A9 *****
Brand	Land Rover
Type	Range Rover Sport
Model	L320
Year	2006
Engine	428PS - AJ V8 4.2 SC Petrol
Transmission	Automatic 6 Spd
Plant	SOLIHULL
Market	USA and Canada
BodyStyle	4dr Station Wagon

12.38V

[Save] [OK]

● Manual VIN Input

For some vehicles that not supporting the Auto VIN Scan function, the JU2000 diagnostic system allows you to enter the vehicle VIN manually.

➤ To perform Manual VIN Input

1. Tap the **Diagnostics** application button from the JU2000 Job Menu.
2. Select **vehicle brand**. If some vehicles do not support automatic VIN code recognition, you need to enter the VIN code manually.
3. Tap the input box and enter the correct VIN.

Operator message	
Read or input the VIN code(17-digit):	
SALSN23446A9 *****	▼

12.34V

[ESC] [OK] [Read]

4. Tap OK. The vehicle will be identified and the Vehicle Diagnostics screen will display.
5. Tap Cancel to exit Manual Input.

3.1.2 Vehicle select

➤ To perform Vehicle Select

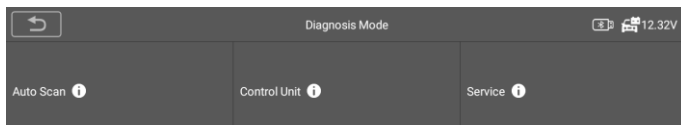
1. Tap the Diagnostics application button from the JU2000 Job Menu.

2. Tap the vehicle brand of the test vehicle.
3. Tap the "Vehicle Select" option to make a series of selections according to the on-screen prompts, select the correct vehicle model, model year, etc.
4. Select step by step according to the screen prompts, and finally enter the list of diagnosis modes.

3.2 Diagnosis Mode

The scan tool provides 3 diagnostic modes for users to choose:

Auto Scan, Control Unit and Service.



Auto Scan

The Auto Scan function initiates a systematic scan of vehicle ECUs to retrieve diagnostic trouble codes. Upon selecting Auto Scan, the system automatically scans all modules, detects fault information for each unit, and displays a categorized list of DTCs with their status.

Auto Scan		12.37V
ECM (Engine Control Module)	Pass	➤
TCM (Transmission control module)	Fault (1)	➤
SRS (Supplemental Inflatable Restraint System)	Pass	➤
IPC (Instrument cluster control module)	Fitted	➤
RLM (Ride level control module)	Fault (2)	➤
SASM (Steering angle sensor module)	Pass	➤
ARCM (Dynamic response module)	Fault (1)	➤
ATCM (All terrain control module)	Fault (1)	➤
CCM (Speed control module)	Fault (1)	➤
FLM (Front lighting control module)	Fault (2)	➤
Report Quick Erase Pause		

- ◆ Fault | (2): The fault code is detected; 2 represents the number of faults detected.
- ◆ Pass: The vehicle is equipped with this system and has no fault code.
- ◆ Fitted: The vehicle is equipped with this system.
- ◆ Not Fitted: The vehicle is not equipped with this system.
- ◆ Unknown: It is unknown whether the vehicle is equipped with this system.
- ◆ Scanning: The device is scanning the vehicle system.

[Quick Erase] – Press this button to quickly clear the fault code.

[Pause] / [Continue] – Press this button to pause or continue scanning.

[Report] – Press this button to view the fault reports generated during diagnosis.

[Back Button] – Returns to the previous screen or exits Auto Scan.

Control Unit

This option allows you to pinpoint specific control modules via menu - driven navigation, bypassing full - vehicle scans for direct system diagnostics.

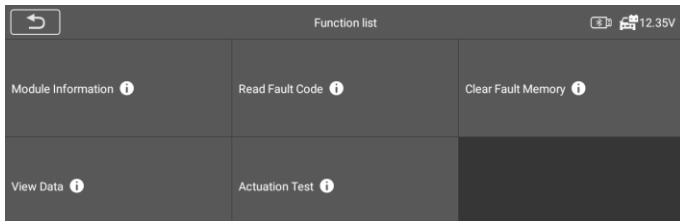
Service

The vehicle diagnostic tool provides an entry from the diagnostic mode to the service function.

You can easily select the service function from the diagnosis mode, without returning to the service menu for selection.

3.3 Diagnostic operation

This option allows you to pinpoint target control modules via menu - driven navigation, bypassing full - vehicle scans for direct system diagnostics. Confirm step - by - step selections to access the diagnostic menu.



➤ To perform a diagnostic function

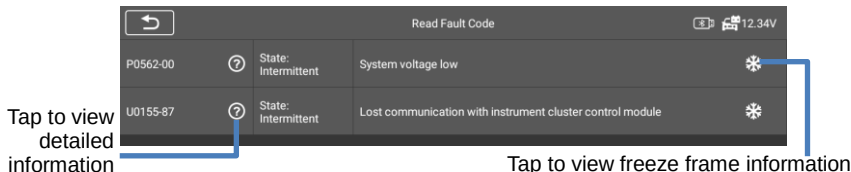
1. Establish communication with the test vehicle.
2. Select “Diagnostic” icon.
3. Select Vehicle Manufacturer.
4. Select “Vehicle Select” and select vehicle model, model year, etc. according to the on-screen prompts.
5. Select the diagnosis mode and guide the selection through the menu of any diagnosis mode to locate the required test system.
6. Select the test to be performed on the function list.

◆ Module Information

This function retrieves and displays the ECU details including unit type, version and other specifications. Save data via the Save button.

◆ Read Fault Codes

This function retrieves and displays the DTCs from the vehicle's control system. The Read Codes screen varies for each vehicle being tested. On some vehicles, freeze frame data can also be retrieved for viewing.

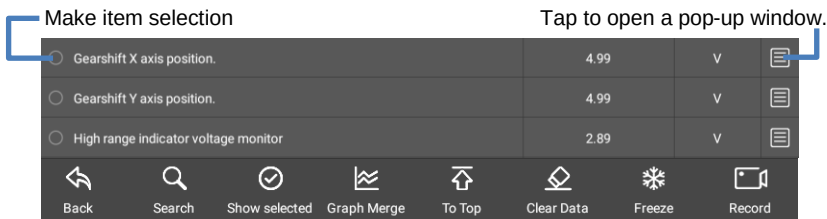


◆ Clear Fault Codes

Once you've read the diagnostic trouble codes (DTCs) from the vehicle and completed necessary repairs, use this function to clear the codes. Before doing so, ensure the ignition is turned to the ON (RUN) position while the engine remains off.

◆ View Data

Upon selecting this function, the screen shows the data list of the chosen module. Available items for each control module differ across vehicles. Parameters are displayed in the order sent by the ECM, so variations between vehicles are expected.



- ❖ **Back:** returns to previous screen or exits the function.
- ❖ **Search:** search for parameter names to view data.
- ❖ **Show selected:** switch between the two options; one displays the selected parameter items, the other displays all the available items.
- ❖ **Graph Merge:** merge selected data graphs (for Waveform Graph Mode only). This function is useful when making a comparison between parameters. To cancel Graph Merge mode, tap the ⊗ button in the upper right corner.
- ✓ **There are 4 types of display modes** available for data viewing in the submenu.
 - 1) Analog Gauge Mode: displays in form of an analog meter graph.
 - 2) Text Mode: displays the parameters in texts and displays in list format.
 - 3) Waveform Graph Mode: In this mode, view the waveform status of the data.
 - 4) Digital Gauge Mode: displays in form of a digital gauge graph.
- ❖ **To Top:** moves a selected data item to the top of the list.
- ❖ **Clear Data:** clears all previously retrieved parameter values at a selected point.
- ❖ **Freeze:** displays the retrieved data in freeze frame mode.
- ❖ **Record:** the recorded real-time data will be stored as a video clip in the Data Manager.
- ◆ **Actuation Test**

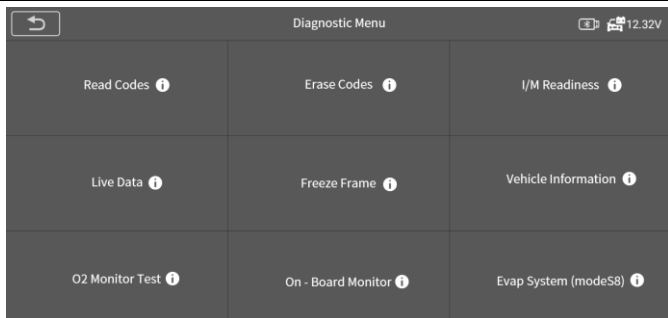
The "Actuation Test" function enables access to vehicle - specific subsystem and component tests. Available test functions vary by manufacturer, year, and model, and the menu displays only viable options.

During the actuation test, the tester sends commands to the ECU to control the actuator. This test monitors the actuator's operation by reading the engine's ECU data. For instance, by toggling the solenoid valve, relay, and switch between their two working states, it can assess the normal operation of the system or components. It can also execute commands for door or window switches.

- **Left / Right turn signals:** Control the flashing of left and right turn signals to check their normal operation.
- **Window regulators Front/Rear, Left/Right, Up/Down:** The window regulator action test allows you to control all vehicle windows to move up and down, checking their normal operation.
- **Windshield Wiper Motor Speed 1/2:** Activates the wiper motor at speeds 1 and 2 to verify proper operation.

3.4 Generic OBDII Operations

A fast-access option for OBDII/EOBD vehicle diagnosis is available on the Vehicle Menu screen. This option presents a quick way to check for DTCS, isolate the cause of an illuminated malfunction indicator lamp (MIL), check monitor status prior to emissions certification testing, verify repairs, and perform a number of other services that are emissions-related.



* Some functions are supported only on certain vehicle manufacturers.

● Read Codes

Selecting this function displays all Stored, Pending, and Permanent Codes. Use the save button (lower-right) to save the current page's fault code info.

Stored Codes are current emission-related DTCs from the vehicle's ECM. OBDII/EOBD codes are prioritized by emission severity—higher-priority codes overwrite lower ones, dictating MIL illumination and code erasure logic. Manufacturer-specific prioritization may vary between makes.

● Erase Codes

Selecting this option clears all emission - related diagnostic data, including DTCs, freeze frame data, and manufacturer - specific enhanced data, from the vehicle's ECM. To prevent accidental data loss, a confirmation screen appears upon selection. Choose "Yes" to proceed or "No" to exit.

● I/M Readiness

This function checks the monitoring system's readiness—ideal for verifying compliance before vehicle emissions inspections. Selecting I/M Readiness displays a submenu with two options:

1. **Since Codes Cleared:** Shows monitor status since the last diagnostic trouble code reset.
2. **This Drive Cycle:** Shows monitor status since the current driving cycle began.

● Live Data

This function shows real - time PID data from the ECU, including analog and digital inputs/outputs, and system status info from the vehicle data stream.

● Freeze Frame

The freeze frame typically records the last occurring DTC, though higher-emission-impact DTCs override this by retaining their own freeze frame data. Freeze frame data captures a "snapshot" of critical parameter values at the moment a DTC is triggered.

● Vehicle Information

This option shows the vehicle's VIN, CID, CVN, and other identification/calibration details.

● O2 Monitor Test

This option lets you access and view the Oxygen Monitor Sensor value, which shows the car's emission status.

● On-Board Monitor

This option enables you to view On - Board Monitor test results. These tests are useful post - servicing or after erasing a vehicle's control module memory.

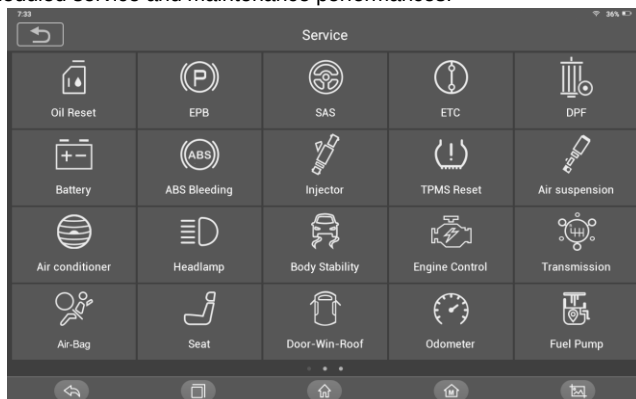
● Evap System

This item is used to issue the EVAP system test command.

4 Service

The Service section is specially designed to provide you with quick access to the vehicle

systems for various scheduled service and maintenance performances.



** All required work must be carried out before the service indicators are reset. Failure to do so may result in incorrect service values and cause DTCs to be stored by the relevant control module.*

● ABS Bleeding (BLD)

Perform the ABS Bleed Procedure to bleed air from the brake system following air intrusion or component replacement (ABS module, pump, master cylinder, wheel cylinder, or brake fluid) to restore brake sensitivity.

● Oil Reset

The Oil Life Reset function resets the Oil Life System, which calculates optimal oil change intervals based on driving conditions and climate. Always reset the Oil Life Monitor after oil changes to enable accurate next-service calculations. Oil maintenance intervals vary by vehicle but typically require service when the oil lamp illuminates or the recommended mileage is reached. This function resets maintenance intervals and turns off the oil lamp after oil replacement.

● Electronic Parking Brake (EPB)

This function has a multitude of usages to maintain the electronic braking system safely and effectively. The applications include deactivating and activating the brake control system, assisting with brake fluid control, opening and closing brake pads, and setting brakes after disc or pad replacement. Electronic Parking Brake (EPB) system maintenance, deactivates and reactivates the EPB system for replacement and initialization.

● Electronic Throttle Control (ETC)

The Electronic Throttle Control (ETC) system relearns throttle valve control parameters after resetting or replacing the throttle body.

● Injector Coding (INJ)

When replacing injectors, the control module requires new configuration values for proper operation. Program injector codes into the ECU to match cylinder-specific parameters, ensuring precise fuel delivery. After ECU or injector replacement, verify or recode cylinder-specific injector identifiers to enable accurate fuel injection control.

*** Pre-requisite:** Engine off. **Voltage Requirement:** Maintain 12.5V battery voltage (specified level). Procedure failure may occur if voltage drops below this threshold.

● Steering Angle Sensor (SAS)

SAS Calibration aligns the steering wheel to the straight-ahead position or recalibrates the Steering Angle Sensor (SAS) after component replacement.

Calibration must be completed after operations such as steering wheel replacement, SAS replacement, disassembly of the steering column connector hub, maintenance of the steering

linkage or gear, wheel alignment or track adjustment, and accident repairs where there might be damage to the steering angle sensor, its assembly, or any part of the steering system.

● Steering Column Calibration

A body system steering column calibration is required when the steering column or instrument cluster is replaced, or the instrument cluster software is updated.

● Battery Management System (BMS)

The Battery Management System allows the scan tool to evaluate the battery charge state, monitor the close-circuit current, register the battery replacement, and activate the rest state of the vehicle.

**This function isn't supported by all vehicles. The sub - functions and actual test screens of the Battery Management System (BMS) can vary across different vehicle models. Kindly follow the on-screen instructions for correct selections.*

● Register Battery Replacement

The Battery Replacement Registration function records the odometer reading at the time of replacement and notifies the power management system of the new battery installation. Failure to register the battery change may disrupt power management, resulting in insufficient charging and restricted electrical system functionality.

● Diesel Particulate Filter (DPF)

Diesel Particulate Filter (DPF) System Management includes forced regeneration activation, component replacement adaptation, and ECU replacement programming.

The ECM automatically triggers regeneration based on driving patterns, with vehicles operated at low speeds/loads requiring earlier regeneration compared to high-speed/high-load driving due to the need for sustained high exhaust temperatures.

If regeneration fails, a DTC is logged and the DPF/brake warning lights illuminate, requiring service regeneration via this tool.

Before initiating forced regeneration, ensure fuel level remains above 20%, no active DPF-related faults are present, correct engine oil specification is used, and diesel fuel remains uncontaminated.

ATTENTION:

- 1) The DPF won't regenerate when the engine management light is on or the EGR valve is faulty.
- 2) When replacing the DPF and adding the fuel additive Eolys, the ECU must be re-adapted.
- 3) If you need to drive the vehicle for DPF service, always get a second person to assist. One should drive while the other monitors the tool's screen. Attempting to drive and watch the scan tool simultaneously is hazardous and may lead to a serious traffic accident.

● Head Lamp

The headlamp function involves headlamp maintenance and related operations (including AFS setting). After that, perform calibration using this function.

● Air Suspension

Air Suspension Calibration must be performed after height sensor maintenance, replacement, or any operation affecting suspension geometry to re-adapt the system.

● Tire Pressure Monitor System (TPMS)

TPMS Service includes ECU sensor ID retrieval, replacement sensor ID programming, and sensor functionality testing.

TPMS Sensor Programming requires entering sensor IDs via the tool interface, which can be retrieved directly from the sensor or using a specialized activation tool. After ID entry, the vehicle must be driven at specified speed for required duration to complete the procedure. Always follow on-screen prompts to ensure proper sensor registration and system functionality.

*** ATTENTION:** The vehicle must remain stationary with the engine off for at least 15 minutes to activate sensor sleep mode. Drive at speeds exceeding 20 km/h for a minimum of 15

minutes to ensure the TPMS module learns sensor IDs and positions.

● Gearbox Reset

After transmission disassembly or repair, shift delays or harshness may occur. Execute Transmission Adaptation to enable the system to automatically compensate for driving conditions, optimizing shift quality for comfort and performance.

● Air conditioning service

After replacing AC system components (e.g., refrigerant, blower pump), the system may operate inefficiently. Execute AC System Activation to initiate a conditioning cycle, allowing the system to re-adapt to new components and restore optimal performance.

● Air Filter

The engine, as a precision mechanical assembly, requires air filtration via the air filter to prevent abrasive particle ingress. After air filter maintenance, replacement, or disassembly, air filter adaptation must be performed to re-calibrate airflow parameters and restore optimal engine protection.

● Fuel Pump

After the fuel pump is disassembled, repaired, or replaced, it may fail to continuously supply fuel to the fuel injection nozzle. In this case, execute the fuel pump activation function to ensure the newly - installed fuel pump can work properly. This enables the vehicle to inject fuel normally and allows the engine to reach an optimal running state.

● Engine Idle

Once the idle speed fault is resolved, you can perform this correction. Adjust the engine's idle speed accordingly.

● Body Stability

After replacing the body stability control unit and related components (e.g., lateral acceleration sensor for the active roll stabilization system, BAS brake assist system, ESP electronic stability program), perform learning and calibration for components like the yaw rate/lateral and longitudinal acceleration sensors and pedal angle sensors.

● Door

After repairing or replacing the window lift motor, perform the door window calibration routine.

Door Window Calibration: This routine establishes the top position of the door window glass to enable pinch protection and one-touch up functionality. Execute the routine to calibrate the window glass position.

● Seat

After repairing or replacing the seat drive motor, perform the corresponding calibration routine.

- Driver's Seat Calibration: Resets all seat axis positions to their default values in the driver's seat module.
- Passenger's Seat Calibration: Resets all seat axis positions to their default values in the passenger's seat module.

5 TPMS Program



JU2000 can be used with wireless tire pressure module feature to perform TPMS activation, programming and learning.

1. Original Sensor Information: This function displays the tire pressure sensor model information configured by the vehicle manufacturer, including supplier, frequency, part number, etc.
2. Activate Programmed Sensors: This function activates the programmed tire pressure sensors and displays related parameters such as ID, pressure, temperature, and battery status.
3. Check TS-Sensor: This function is used to check the iCarzone sensor status and display

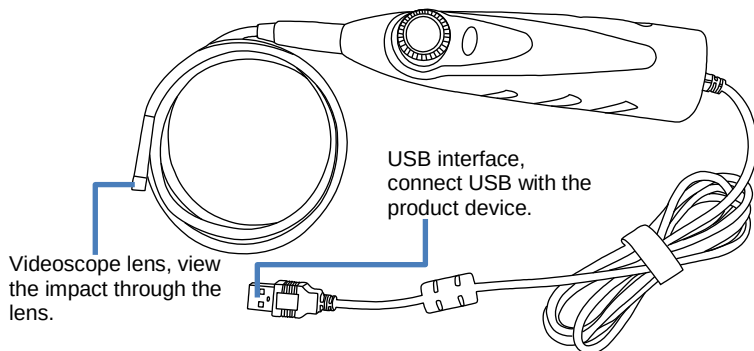
related parameters like ID, frequency, software version, and battery status.

4. Programming TS-Sensor: This function is used to program the iCarzone sensor.
5. Automatic Relearn Guide: After replacing the tire pressure sensor, follow the vehicle manufacturer's instructions to perform a simple road test self-learning process.
6. Diagnose By OBD: In specific situations, diagnostic functions may be required when replacing tire pressure sensors.

6 Videoscope (Optional)



A Videoscope is a diagnostic tool used by automotive technicians to inspect engines and components like cylinder heads, valves, pistons, and crankshafts. This allows visual examination of hard-to-reach or hidden areas, streamlining fault diagnosis and repair.



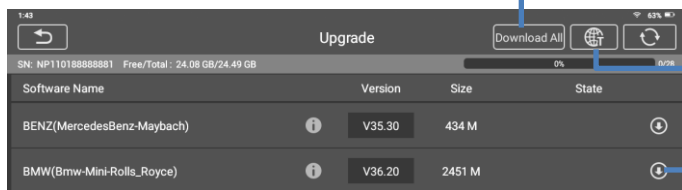
➤ To check the JU2000 product information in Videoscope:

1. Tap the **Videoscope** application on the JU2000 Job Menu. If it is not connected to the videoscope, it is displayed to the not detected page. Tap "video files" button, the screen will go to the "video files" page.
2. If the videoscope is connected to the product, a prompt window is displayed to allow the device to connect to the USB device, Tap OK, then enter the page. At this time, you can take pictures or video.

7 Upgrade



The Upgrade application allows you to download the latest released software. The updates can improve the device's capabilities by adding new tests, new models, or enhanced applications. The device will automatically search for available updates when it is connected to the Internet.



Tap to update all the items.

Tap to select multiple languages.

Tap to update the item you want

8 Vehicle History



This function stores test vehicle history records, including vehicle information and the retrieved DTCs from previous diagnostic sessions. All information is displayed in summarized details. Tap on a record to resume a diagnostic session on a “stored vehicle”.

➤ To activate a test session for the recorded vehicle

1. Select **Vehicle History** on the JU2000 Job Menu.
2. The toggle to the left of the list shows or hides Historical Diagnostic Records thumbnails. Click a thumbnail to view detailed historical data. The Diagnostics button (upper right) provides quick access to diagnostics.
3. To delete records, click the checkbox (lower right of thumbnail) to select it, then click Delete (upper left toolbar).

9 Uninstall



This section allows you to manage the software applications installed on the JU2000 Diagnostics System. Select this section to open a management screen, on which you can check all the available vehicle diagnostic applications.

10 Code Library



Fault code allows you to query the fault history and information description according to the model fault code. Slide up and down to select the required model and code.

11 Settings



Adjust the default setting. These includes: USB Model, Unit, Language, Data Log, WIFI, Brightness, Screen Sleep, Vehicle Sorted By, System Settings, Restore Factory Settings.

12 User Data



The User Data application is used to store and view saved files. Contains images, play back, user manual, Training, Report, DLC Location.

** The Training Section offers interactive video tutorials to help you quickly master JU2000 diagnostic functions through step-by-step guidance.*

13 Shop Information



The Shop Manager application manages the workshop information including customer information records and test vehicle history records. There are 2 main functions available: **Workshop Information** and **Customer Information**.

14 Support



Through our online community platform and online customer service, you can submit feedback or send help requests to get direct service and support. *In order to sync the device to your online account, you need to register the product via the Internet when you use the product for the first time.

14.1 Data Log

The Data Log screen displays diagnostic logs generated during device use. When the logging switch in Settings is enabled, logs are automatically saved. Select the checkbox for any log entry to delete it or submit feedback.

To delete: Check the boxes next to the logs. You can select multiple logs simultaneously. Then tap the “Delete” button in the upper - right corner to delete them.

To submit: 1. Select the check box next to the logs, you can select multiple logs at once. Tap the  **feedback** button in the upper right corner to open the information feedback interface. 2. In the input boxes, enter the title, description, vehicle information, etc. Fields marked with “*” are required. Then tap the  **Upload** button to submit feedback. You can also tap the “+” button to add up to 3 photos for submission.

15 Remote Desk



Remote Desktop starts the TeamViewer Quick Support program, which is an easy, fast and secure way to remotely control your screen. Use this app to get ad hoc remote support from iCarzone technicians by letting them control your tablet on their PC via TeamViewer software.

** Make sure the tablet is connected to the Internet before launching the Remote Desk application.*

➤ To receive remote support from a partner

1. Power on the tablet. Tap the **Remote Desk** application on the JU2000 Job Menu. The TeamViewer screen displays and the device ID is generated and shown.
2. Your partner needs to download and install the TeamViewer remote control program (<http://www.teamviewer.com>) on their computer. Then they need to start the software on their computer to provide support and remotely control the device.
3. Provide your ID to the partner, and wait for him/her to send you a remote control request.
4. A popup will display to ask for your confirmation to allow remote control on your device. Refer to the associated TeamViewer documents for additional information.

16 Quick Link



The Quick Link application provides access to iCarzone’s official website and to other popular automotive service websites.

17 About



The About screen lists the JU2000 version, hardware, and serial number, storage and etc.

18 Maintenance

- **Cleaning:** Wipe the tablet’s touchscreen with a soft cloth and alcohol or mild window cleaner. Avoid abrasive cleansers, detergents, or automotive chemicals.
- **Environment:** Use/store the device in dry, dust-free conditions within its normal operating temperature range. Moisture (e.g., wet hands or surfaces) may impair touchscreen responsiveness; keep hands and the screen dry.
- **Inspection:** Check the housing, wiring, and connectors for dirt/damage before and after use. Wipe these components with a damp cloth at the end of each workday.
- **Safety & Handling:** Do not store the devices in humid, dusty or dirty areas. Handle carefully to prevent drops or heavy impacts.
- **Charging & Accessories:** Use only authorized chargers/accessories; unauthorized use voids the warranty. Keep chargers away from conductive objects to avoid hazards.
- **Interference:** Avoid operating the tablet near signal-interfering devices (e.g., microwaves, cordless phones, medical/scientific instruments).

19 Troubleshooting

A. When the Display Tablet does not work properly:

- Make sure the tablet has been registered online.
- Make sure the system software and diagnostic application software are properly updated.
- Make sure the tablet is connected to the Internet.
- Check all cables, connections, and indicators to see if the signal is being received.

B. When battery life is shorter than usual:

- This may happen when you are in an area with low signal strength. Turn off your device when not in use.

C. When you cannot turn on the tablet:

- Make sure the tablet is connected to a power source or the battery is charged.

D. When you are unable to charge the tablet:

- Your charger maybe out of order. Contact your nearest dealer.
- You may be attempting to use the device in an overly hot/cold temperature. Try changing the charging environment.
- Your device may have not been connected to the charger properly. Check the connector.

**If your problems persist, please contact iCarzone's technical support personnel or your local selling agent*

20 Battery Usage



DANGER

The built-in Lithium-ion Polymer battery is factory replaceable only; incorrect replacement or tampering with the battery pack may cause an explosion. Do not use a damaged battery charger.

- Do not disassemble or open crush, bend or deform, puncture or shred.
- Do not modify or remanufacture, attempt to insert foreign objects into the battery, expose to fire, explosion or other hazard.
- Make sure to use the charger and USB cables only that come together in the package. If you use the other charger and USB cables, you might incur malfunction or failure of the device.
- Only use the charging device that has been qualified with device per the standard. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard.
- Avoid dropping the tablet. If the tablet is dropped, especially on a hard surface, and the user suspects damage, take it to a service center for inspection.
- The closer you are to your network's base station, the longer your tablet usage time because less battery power is consumed for the connection.
- The battery recharging time varies depending on the remaining battery capacity.
- Battery life inevitably shortens over time.
- Since over charging may shorten battery life, remove the tablet from its charger once it is fully charged. Unplug the charger, once charging is complete.
- Leaving the tablet in hot or cold places, especially inside a car in summer or winter, may reduce the capacity and life of the battery. Always keep the battery within normal temperatures.

21 Repair Service

If it becomes necessary to return your device for repair, please download the repair service

form from www.icarzone.com, and fill it in. The following information must be included:

- Contact name
- Return address
- Telephone number
- Product name
- Complete description of the problem
- Proof-of-purchase for warranty repairs
- Preferred method of payment for non-warranty repairs



NOTE

For non-warranty repairs, payment can be made with Visa, Master Card, or with approved credit terms.

22 Compliance Information

FCC Requirement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RoHS Compliance

This device conforms to EU RoHS Directive 2011/65/EU (amended by 2015/863/EU).

CE Compliance

This product complies with essential requirements of:

- RED Directive 2014/53/EU

23 Warranty

Limited One Year Warranty

iCarzone Inc. (the Company) warrants to the original retail purchaser of this JU2000 Diagnostic Device that, should this product or any part thereof during normal consumer usage and conditions be proven defective in material or workmanship, resulting in product failure within one (1) year of the purchase date, such defect(s) will be repaired or replaced (with new or rebuilt parts) with proof of purchase, at the Company's option, without charge for parts or

labor directly related to the defect(s).

The Company shall not be liable for any incidental or consequential damages arising from the use, misuse, or non-mounting (or improper mounting; "mounting" alone may be contextually unclear) of the device. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

Warranty Exclusions

This warranty does not apply to:

- a) Products damaged by abnormal use, accidents, mishandling, neglect, unauthorized alterations, improper installation/repair, or storage.
- b) Products with altered/removed mechanical/electronic serial numbers.
- c) Damage from extreme temperatures/environmental conditions.
- d) Damage caused by unauthorized accessories/non-approved products.
- e) Cosmetic defects (framing, non-operative parts).
- f) Damage from external causes (fire, dirt, battery leakage, theft, electrical misuse).

❗ IMPORTANT

All contents of the product may be deleted during the process of repair. You should create a back-up copy of any contents of your product before delivering the product for warranty service.

iCarzone Inc.

www.icarzone.com

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