

# IONBOOST™ V8 *JET*



## User's Manual

We are constantly improving our products so specifications are subject to change without notice. Visit our website for the latest product information.



Thank you for purchasing the iOnBoost™ V8 JET by Wagan Tech®. With proper care and regular maintenance, your unit is designed to provide years of dependable service. Please read all operating instructions carefully before use to ensure safe and effective operation.

## IMPORTANT SAFETY INSTRUCTION

READ AND SAVE THIS OWNER'S GUIDE FOR FUTURE REFERENCE.

This guide contains important safety instructions that must be followed during installation, operation, maintenance, and troubleshooting.

Read these instructions carefully and look at the equipment to become familiar with the device before installing, operating, configuring, maintaining, and troubleshooting it. The following special messages may appear throughout this documentation or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



This is a safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

### DANGER

**DANGER** indicates a hazardous situation which, if not avoided, will result in death or serious injury.

### WARNING

**WARNING** indicates a hazardous situation which, if not avoided, **could result in** death or serious injury.

### CAUTION

**CAUTION** indicates a hazardous situation which, if not avoided, **could result in** minor or moderate injury.

## NOTICE

**NOTICE** is used to address practices not related to physical injury.

## PRODUCT SAFETY INFORMATION

### WARNING

- Read this instruction manual carefully before using the unit.
- This device is designed for jump starting 12V vehicles only. Using it on other types of vehicles may be hazardous.
- If the unit does not include intelligent jumper cables, ensure correct polarity when connecting to the battery. Reverse polarity may cause a short circuit, overheating, or even fire.
- Do not use the unit if any cable, clamp, or cord is damaged.
- Do not use this unit as a replacement for a vehicle's main battery.
- Never leave the unit connected to the vehicle's battery after the engine has been successfully started.
- Before jump starting, inspect and clean the battery terminals. Corroded or dirty terminals may reduce performance.
- Ensure secure connection of the battery clamps to the terminals before starting.
- Do not attempt more than three jump starts consecutively. Allow at least two minutes of rest between each attempt to prevent overheating and potential damage.
- Disconnect the unit within 30 seconds after the engine has started to avoid possible damage.
- Never connect the two clamps together.
- This product should not be used without supervision by children or individuals with physical or cognitive limitations.

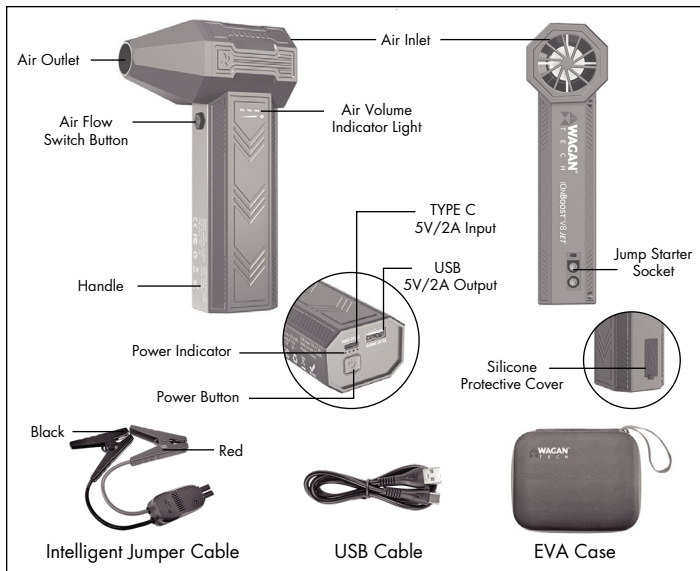
- This is not a toy. Keep out of reach of children.
- Keep the unit dry and do not expose it to water or moisture.
- Do not immerse the product in water or expose it to rain or moisture.
- Do not operate in explosive environments, such as near flammable liquids, gases, or combustible dust.
- Do not disassemble or modify the iOnBoost™. Repairs must be performed by qualified technicians only.
- Keep the product away from extreme heat, flames, and direct sunlight.
- When working with batteries, ensure that someone is within earshot or nearby in case of emergency.
- Remove all personal metal accessories (rings, bracelets, necklaces, etc.) before using the unit to avoid short circuits or injury.
- Do not drop the unit. If it sustains a hard impact or shows signs of damage, have it inspected by a certified technician.
- Do not store the product in areas where temperatures exceed 140°F/60°C.
- Only charge the unit in environments with ambient temperatures between 32°F/0°C and 131°F/55°C.
- Use only the provided charger or one that meets the exact specifications of the input port.
- Do not attempt to jump start a vehicle while the unit is charging.
- If the unit is leaking any liquid, dispose of it at an authorized battery recycling facility immediately.
- In the event of battery leakage, do not touch the fluid with bare hands. If skin contact occurs, wash with soap and water. If it contacts your eyes, rinse thoroughly with cold water for at least 10 minutes and seek medical attention.
- This product contains a lithium-based battery. Please dispose of it in accordance with local laws and recycling regulations at the end of its service life

## User's Manual—Read before using this equipment

- Do not charge the unit immediately after jump starting a vehicle. Allow the device to cool down before charging.
- Do not use the jumper cable to charge other electronic devices.

**Failure to follow these safety instructions may result in serious injury, death, or product damage.**

### DIAGRAM



©2025 Wagan Corporation. All Rights Reserved.  
Wagan Tech and wagan.com are trademarks of Wagan Corporation.

## FEATURES

### Jump Starter

- Delivers 1,200 Peak Amps — ideal for jump starting cars, vans, SUVs, trucks, and more
- Equipped with a powerful 29.6 Wh rechargeable Lithium-ion Polymer battery
- Includes heavy-duty booster clamps for secure and reliable connection

### Turbo Fan

- Turbo fan with 3-speed gear switch for adjustable airflow
- Battery status indicator lights for easy power level monitoring

### USB Power Source

- Features 1 USB port with 5V/2A output to power and recharge most USB devices, including: Smartphones, Tablets and e-readers, Bluetooth devices, and more

### Safety Features

- Over-current protection
- Overheat protection
- Over-discharge protection
- Over-voltage protection
- Overcharge protection
- Short-circuit protection
- Reverse charging protection
- Reverse polarity protection
- AI-enhanced software safety control
- Ultra-low standby power consumption management

## SPECIFICATIONS

|                        |                                              |
|------------------------|----------------------------------------------|
| Battery capacity       | 29.6Wh                                       |
| Jump start output      | 12V                                          |
| USB output             | 5V $\equiv$ 2A                               |
| USB input              | 5V $\equiv$ 2A                               |
| Peak current           | 1200A                                        |
| Fan                    | Three-Gear Switch                            |
| Fan Speed              | 95,000 rpm(Max)                              |
| Full charging time     | $\approx$ 6H                                 |
| Operating temperatures | -4°F–131°F (-20°C–55°C)                      |
| Storage temperatures   | -4°F–140°F (-20°C–60°C)                      |
| Product weight         | 1.96 lbs / 890g (all parts included)         |
| Dimension              | 4.4 x 2.1 x 7.2 in.<br>(111.5 x 54 x 184 mm) |

## CARE & MAINTENANCE

1. The unit may be stored in any orientation, but ensure the booster clamps are securely placed inside the storage covers.
2. Store the device in a cool, dry place at room temperature, away from direct sunlight and heat sources.
3. If the iOnBoost™ V8 JET is not used for an extended period, recharge it at least once every 3 months to maintain battery health and performance.

## CHARGING THE IONBOOST™ V8 JET

**This product may arrive partially charged from the manufacturer. It is recommended to fully charge the unit immediately after purchase and before using for the first time. Prior to charging the unit, read and understand all instructions in this manual.**

In order to prolong the life of the iOnBoost™ V8 JET, be sure to fully recharge the unit after each use and every 3 months even if the iOnBoost™ V8 JET has not been used.

## USB-C CHARGING

1. Plug the USB-C cable into the USB-C input port on the iOnBoost.
2. Plug the other end into a USB power source such as a USB wall charger or computer (not included). For charging in your vehicle, use the included USB vehicle adapter.
3. The power Indicator lights will illuminate while the unit is charging.
4. Fully charge the unit (around 6 hours). Charging is complete when all battery status indicator lights illuminate solid.
5. When charging is complete, unplug the USB cable.

## CHECKING BATTERY STATUS

Press the switch to check the storage level of the iOnBoost.

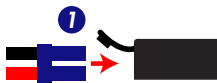
| Indicator     | Unit | 1 Lighting | 2 Lighting | 3 Lighting | 4 Lighting |
|---------------|------|------------|------------|------------|------------|
| Storage Level | 0%   | 25%        | 50%        | 75%        | 100%       |

Different numbers of lighting indicators show different storage level of iOnBoost.

## JUMPSTARTER

### *Brief Recap of Sequences for Connection and Disconnection*

#### ORDER OF CONNECTION



1. Connect cables to iOnBoost.



2. Connect positive (red) clamp to positive battery terminal.



3. Connect negative (black) clamp to solid metal ground on engine or frame, away from battery.

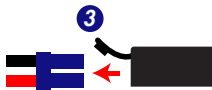
#### ORDER OF DISCONNECTION



1. Disconnect negative (black) clamp from frame.



2. Disconnect positive (red) clamp from positive battery terminal.



3. Disconnect cables from iOnBoost.

### **Read the remainder of the instructions before using the iOnBoost!**

#### *Jumpstart Procedure*

1. Turn off the vehicle ignition and all accessories (radios, lights, air conditioners), and disconnect electronic devices.
2. Set the emergency brake and put vehicles with automatic transmission in park position.

3. Determine the polarity of the vehicle's battery terminals. The positive (POS, P, +) battery terminal usually is red and larger in diameter than the negative (NEG, N, -) terminal. If you are unsure, first refer to the vehicle owner's manual. Make sure the negative battery terminal is also connected to the vehicle frame.
4. If engine was recently cranked, use a non conductive material (cardboard or a folded newspaper) to wave away (dispel) explosive gases. Do this for a few minutes before any vehicle connections.
5. Insert the blue plug of the jumper cables into the iOnBoost's jumper terminal, and make sure the cable indicator is off.  
**⚠ Never allow clamps (positive & negative terminals) to touch together or contact the same piece of metal to prevent short-circuits and arcing.**
6. Securely connect the positive (+) red clamp to the positive (POS, P, +) terminal of the vehicle battery or the remote positive (+) terminal if equipped.
7. Securely connect the negative (-) black clamp to a non-moving, metal part of the engine or frame as far away from the vehicle battery as possible.
8. Operate following the instruction of the cable indicator:

|                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>GREEN LIGHT on:</b><br/>Telling the connection is correct and the circuit is working, you can turn on the engine to jump-start directly.</p>                    |  <p><b>REVERSE RED LIGHT on:</b> Telling the connection is wrong, to correct the clamps as step 2 mentioned above, wait until the GREEN LIGHT is on to turn on the engine.</p>                                      |
|  <p><b>GREEN LIGHT blinking:</b> Saying the vehicle battery is low, press the "BOOST" button, wait GREEN LIGHT becomes solid, then turn on the engine within 30s.</p> |  <p><b>No Lights on:</b> Saying the vehicle's battery maybe damaged, after confirm the clamps connection is correct, press the "BOOST" button, wait GREEN LIGHT is on, and then turn on the engine within 30s.</p> |

9. Place unit on a secure surface away from moving parts.
10. Start vehicle engine. Stop if the vehicle does not start after 3 to 4 seconds of engine cranking. Wait 3 to 4 minutes, then try again. If engine does not start after second attempt, discontinue cranking and consult a professional.
11. The internal safety timer will automatically disconnect the circuit after 30 seconds to prevent the vehicle battery from reverse charging the unit. Both the red and green lights will illuminate steady. If your vehicle still has not started, disconnect the cables and try the procedure again.
12. When finished, disconnect the clamps in reverse sequence of connecting procedure—first disconnect negative (black), then positive (red) clamps. Do not let the clamps touch each other.
13. Disconnect the jumper cable assembly from the unit.
14. When convenient, completely charge the iOnBoost battery.
15. Store the unit in a cool, dry environment, away from flammable materials. Remember to fully charge the unit every three months.

## TROUBLESHOOTING

| Finding                                      | Cause                                          | Solution                                                |
|----------------------------------------------|------------------------------------------------|---------------------------------------------------------|
| No response when pressing the switch button. | Low voltage protection of iOnBoost is started. | Plug the adapter into the USB-C input port to activate. |

## USING THE TURBO FAN

The iOnBoost™ V8 JET features a built-in Turbo Fan with a 3-speed gear switch, allowing you to adjust airflow for different usage scenarios.

- Maximum Air Pressure: 400g (Max)
- Maximum Speed: 95,000 RPM

### *Operating Instructions*

1. **Inspect Air Inlet and Outlet:** Ensure that both the air inlet and outlet are clean and free from any obstructions. A clear pathway is essential for safe and effective operation.
2. **Power On the Unit:** Press the Power Button to activate the turbo fan.
3. **Hold Securely:** Grip the handle firmly and aim the air outlet at the target area to blow off dust or direct airflow as needed.
4. **Adjust Airflow:**  
Press the Air Flow Switch Button to cycle through the three airflow levels:  
Press once: Low speed  
Press twice: Medium speed  
Press three times: High speed  
Press a fourth time: Power off
5. **Monitor the Indicator Lights:** As you adjust airflow, the Air Volume Indicator Lights will illuminate progressively to show the current level—from low to high.

### *Important Notes*

1. **Jump Starter Function:** The jump starter function cannot be used while the fan is in operation.
2. **Fan Use:** The fan is intended for adult use only.
3. **Safety Warning:** Never point the fan's air vents at your eyes or other vulnerable parts of the body while in use.
4. **After Use:** After using the fan, please clean it and store it in the provided EVA bag to keep it in good condition

### USING THE USB OUTPUT

The iOnBoost™ V8 JET features a USB output port for charging mobile devices. To protect the unit, the USB port will automatically shut off when the internal battery is low. In such cases, recharge the iOnBoost™ V8 JET as soon as possible.

#### *Steps for USB Charging*

1. **Activate USB Output:** Press and hold the Power Button to enable USB output.
2. **Begin Charging:** Connect your device using a compatible charging cable and plug it into the USB output port. Charging will begin automatically.
3. **Check Power Level:** Once the USB output is active, the Power Indicator Lights will illuminate to display the current battery level of the iOnBoost™ V8 JET.

## FREQUENTLY ASKED QUESTIONS (FAQ)

1. How long does it take to fully charge the iOnBoost™?  
It takes approximately 6 hours to fully charge the unit using the included adapter.
2. How many times can the iOnBoost™ start a vehicle?  
This depends on engine capacity and condition. As a general guideline, it can start a 12V passenger vehicle up to 40 times on a full charge. Larger engines will reduce the number of possible starts.
3. What happens if I use the iOnBoost™ outside of its recommended temperature range?  
The iOnBoost™ is equipped with thermal sensors and built-in protection. If the device exceeds its safe operating temperature, it will automatically shut down to prevent damage.
4. What is the expected lifetime of the iOnBoost™?  
The lifespan is typically 3 to 5 years, depending on usage frequency and storage conditions.
5. How long does the battery hold a charge?  
When stored properly, it can retain up to 70% of its charge for 1 year. For optimal performance, we recommend fully charging the unit every 3 months.
6. Can I use the USB port to charge multiple devices at the same time?  
Yes, but when multiple devices are connected, the 5V/2A output will be shared, and the current may be automatically reduced..
5. Can I use the iOnBoost™ to start a 24V vehicle?  
No. For safety reasons, this unit is designed only for 12V vehicles such as cars, motorcycles, and small trucks.

## PROPER DISPOSAL

- This product contains no user-serviceable parts.
- Do not attempt to open, remove, or replace the internal battery. When the battery reaches the end of its service life, take the entire unit to a certified battery recycling facility for proper disposal, in accordance with local regulations.

# WAGAN Corp. Limited Warranty

**The WAGAN Corporation warranty is limited to products sold only in the United States.**

**Warranty Duration:**

Product is warranted to the original purchaser for a period of one (1) year from the original purchase date, to be free of defects in material and workmanship. WAGAN Corporation disclaims any liability for consequential damages. In no event will WAGAN Corporation be responsible for any amount of damages beyond the amount paid for the product at retail.

**Warranty Performance:**

During the warranty period, a product with a defect will be replaced with a comparable model when the product is returned to WAGAN Corporation with an original store receipt. WAGAN Corporation will, at its discretion, replace or repair the defective part. The replacement product will be warranted for the balance of the original warranty period. This warranty does not extend to any units which have been used in violation of written instructions furnished.

**Warranty Disclaimers:**

This warranty is in lieu of all warranties expressed or implied and no representative or person is authorized to assume any other liability in connection with the sale of our products. There shall be no claims for defects or failure of performance or product failure under any theory of tort, contract or commercial law including, but not limited to negligence, gross negligence, strict liability, breach of warranty, and breach of contract.

**Returns:**

WAGAN Corporation is not responsible for any item(s) returned without an official Return Authorization number (RA#). Please contact our customer service team by phone or email to obtain an RA#. You can also visit our website and chat with our team during our normal business hours. For more details and instructions on how to process a warranty claim, please read the "Returns" section under the "Contact" page on our website. WAGAN Corporation is not responsible for any shipping charges incurred in returning the item(s) back to the company for repair or replacement.

Register your product online at <http://tinyurl.com/wagan-registration> to be added to our email list. You will receive previews on our upcoming products, promotions, and events.

©2025



13073 166<sup>th</sup> Street  
Cerritos, CA 90703, U.S.A.

Tel: +1.888.714.9316  
customerservice@wagan.com  
[www.wagan.com](http://www.wagan.com)

©2025 Wagan Corporation. All Rights Reserved  
Wagan Tech and [wagan.com](http://wagan.com) are trademarks of Wagan Corporation

REV20250530