

Sun Joe 24V-AJC-AJV-LTE

Sun Joe 24V-AJC-AJV-LTE 24V IONMAX High Volume Inflator & Portable Air Compressor Kit

User Manual

INTRODUCTION

Thank you for purchasing the Sun Joe 24V-AJC-AJV-LTE 24V IONMAX High Volume Inflator & Portable Air Compressor Kit. This versatile tool is designed for efficient inflation and deflation of various items, from vehicle tires to air mattresses and sports equipment. This manual provides essential information for safe operation, proper maintenance, and effective troubleshooting to ensure long-lasting performance of your product.

IMPORTANT SAFETY INFORMATION

Always follow basic safety precautions when using this product to reduce the risk of fire, electric shock, and personal injury. Read all instructions carefully before operation.

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- Always wear eye protection. Use a dust mask, non-skid safety shoes, hard hat, or hearing protection when appropriate.
- Do not use the tool if the switch does not turn it on and off. Any tool that cannot be controlled with the switch is dangerous and must be repaired.
- Disconnect the battery pack from the tool before making any adjustments, changing accessories, or storing power tools.
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.
- Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.
- Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.

- Use only with battery packs and chargers specified by the manufacturer.
- Do not expose a battery pack or tool to fire or excessive temperature.

PACKAGE CONTENTS

Verify that all items are present upon unpacking:

- 24V-AJC Portable Air Compressor
- 24V-AJV High-Volume Inflator
- 2.0-Ah IONMAX Lithium-Ion Battery
- Battery Charger
- Storage Bag
- Air Chuck Hose (pre-attached to compressor)
- 3 Tethered Inflation Adapters (0.5", 0.19", 0.17")
- Presta Valve Adapter
- Sport Ball Needle



Image: The complete Sun Joe 24V-AJC-AJV-LTE kit, showing both the high-volume inflator and the portable air compressor, along with their respective attachments.

PRODUCT OVERVIEW

Familiarize yourself with the components of your Sun Joe inflator and compressor kit:



Image: Side view of the Sun Joe portable air compressor, highlighting the main body, battery slot, and air chuck hose.



Image: Side view of the Sun Joe high-volume inflator, showing its design and attachment points for the tethered nozzles.





Image: Close-up of the digital display on the air compressor, showing the PSI reading and control buttons.

SETUP

Charging the Battery

The lithium-ion battery pack is shipped with a low charge. It is recommended to fully charge the battery before initial use to ensure maximum runtime.

1. Connect the charger to a standard 120V AC electrical outlet.
2. Slide the battery pack into the charger. The charging indicator light will illuminate.

3. Once fully charged, the indicator light will change (refer to charger manual for specific light patterns). Disconnect the battery from the charger.



Image: The 2.0-Ah IONMAX battery and its dedicated charger.

Attaching the Battery

To attach the battery pack to either the air compressor or the high-volume inflator, align the battery with the tool's battery port and slide it in until it clicks securely into place.

OPERATING INSTRUCTIONS

Using the Portable Air Compressor (24V-AJC)

The air compressor is ideal for inflating tires, sports balls, and other items requiring high pressure.

1. **Select Adapter:** For car/bike tires, use the pre-attached air chuck. For sports balls, attach the sport ball needle. For Presta valves, use the Presta valve adapter.
2. **Connect to Item:** Securely attach the appropriate adapter to the item to be inflated. For tires, press the air chuck onto the valve stem and flip the lever to lock it in place.
3. **Set Pressure:** Turn on the compressor. Use the '+' and '-' buttons on the digital display to set the desired PSI. The compressor features an automatic shut-off at the preset pressure.
4. **Start Inflation:** Press the trigger to begin inflation. The digital display will show the current pressure.
5. **Monitor:** The compressor will automatically stop once the preset pressure is reached.
6. **Disconnect:** Release the trigger, then carefully disconnect the adapter from the item.



Image: A person using the Sun Joe portable air compressor to inflate a vehicle tire, demonstrating the connection of the air chuck.

Using the High-Volume Inflator (24V-AJV)

The high-volume inflator is perfect for quickly inflating and deflating larger items like air mattresses, pool floats, and rafts.

1. **Select Adapter:** Choose one of the three tethered inflation adapters (0.5", 0.19", 0.17") that best fits the item's valve.
2. **Inflation:** Insert the chosen adapter into the inflation port of the item. Press the trigger to begin inflation.
3. **Deflation:** To deflate, attach the adapter to the deflation port on the inflator (usually located opposite the inflation port). Insert the adapter into the item's valve and press the trigger to rapidly remove air.



Image: Close-up of the Sun Joe high-volume inflator showing the three tethered inflation/deflation nozzles.



Image: A person inflating a large raft using the high-volume inflator with the appropriate adapter.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Sun Joe kit.

- **Cleaning:** Wipe down the tools with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the tools and battery in a cool, dry place, away from direct sunlight and extreme temperatures. Use the provided storage bag for convenience.
- **Battery Care:** Fully charge the battery before long-term storage. If storing for extended periods, recharge the battery

every 3-6 months to maintain its health.

- **Hose/Adapter Inspection:** Periodically check the air chuck hose and all adapters for cracks, wear, or damage. Replace if necessary to ensure proper sealing and function.

TROUBLESHOOTING

If you encounter issues, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Tool does not turn on.	Battery not charged or not properly inserted.	Ensure battery is fully charged and securely clicked into place.
Low inflation pressure/slow inflation.	Hose or adapter not properly sealed; battery low.	Check all connections for leaks. Recharge battery.
Compressor runs but no air comes out.	Hose kinked or blocked; internal malfunction.	Check hose for obstructions. If problem persists, contact customer support.
Digital display not working.	Battery low; internal electrical issue.	Recharge battery. If issue continues, contact customer support.

SPECIFICATIONS

Feature	Detail
Model Name	24V-AJC-AJV-LTE
Voltage	24 Volts
Power Source	Battery Powered (Lithium Ion)
Max Operating Pressure (Compressor)	120 PSI
Air Flow Capacity (Inflator)	36 CFM
Hose Length	15 Inches
Item Weight	2.1 Pounds
Product Dimensions	9"L x 5"W x 10.5"H
Special Feature	Automatic Shut-Off
Included Components	2.0-Ah Battery and Charger, Storage Bag, Nozzle Adapters



Image: Diagram showing the dimensions of the Sun Joe portable air compressor.

WARRANTY & SUPPORT

This Sun Joe product is backed by a 2-year warranty. For warranty claims, technical support, or to order replacement parts, please contact Sun Joe customer service. Keep your purchase receipt as proof of purchase. For further assistance, visit the official Sun Joe website or contact their customer support line. Refer to the contact information provided with your product packaging.

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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