

Sun Joe 24V-HG100-CT

Sun Joe 24V-HG100-CT Cordless Heat Gun User Manual

Model: 24V-HG100-CT

INTRODUCTION

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your Sun Joe 24V-HG100-CT Cordless Heat Gun. Please read this manual thoroughly before using the product to ensure proper function and to prevent injury or damage.

The Sun Joe 24V-HG100-CT is a versatile cordless heat gun designed for various DIY and professional tasks, including paint stripping, shrink-wrapping, adhesive removal, and bending PVC. It operates on the 24V IONMAX Battery System (battery and charger sold separately).

SAFETY INFORMATION

Always observe basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and personal injury.

General Safety Rules

- **Read all instructions:** Familiarize yourself with the controls and proper use of the heat gun.
- **Wear appropriate personal protective equipment (PPE):** Safety glasses, gloves, and respiratory protection may be required depending on the application.
- **Keep work area clean and well-lit:** Cluttered or dark areas invite accidents.
- **Do not operate in explosive atmospheres:** Do not use the heat gun in the presence of flammable liquids, gases, or dust.
- **Avoid accidental starting:** Ensure the switch is in the off-position before inserting the battery pack.
- **Do not overreach:** Maintain proper footing and balance at all times.
- **Store idle heat guns:** When not in use, store the heat gun out of reach of children and do not allow persons unfamiliar with the heat gun or these instructions to operate the heat gun.
- **Maintain heat gun with care:** Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the heat gun's operation.
- **Use the correct heat gun:** Do not force the heat gun; use the correct heat gun for your application.

- **Disconnect battery pack:** Disconnect the battery pack from the heat gun before making any adjustments, changing accessories, or storing the heat gun.

Specific Heat Gun Safety Warnings

- **Do not block air intake or outlet:** Ensure proper ventilation to prevent overheating.
- **Do not touch the nozzle:** The nozzle and accessories become extremely hot during use and remain hot for a period after use. Allow to cool before handling.
- **Use caution when working near flammable materials:** Heat can ignite materials not directly in the heat stream.
- **Do not use as a hair dryer:** This heat gun is not designed for personal care.
- **Do not direct heat at people or animals.**
- **Be aware of hidden areas:** Heat may be conducted to combustible materials that are out of sight.
- **Do not use in damp or wet conditions.**

COMPONENTS AND FEATURES

The Sun Joe 24V-HG100-CT Cordless Heat Gun comes with several key components designed for optimal performance and versatility.



Figure 1: The Sun Joe 24V-HG100-CT Cordless Heat Gun, showcasing its compact and ergonomic design.



Figure 2: The heat gun with its three included nozzles: Concentrator, Reflector Hook, and Flat Nozzle, each designed for specific applications.

Key Components:

- **Heat Gun Body:** The main unit housing the motor and heating element.
- **Nozzle:** The heat output opening.
- **Trigger Switch:** Activates and deactivates the heat gun.
- **Trigger Lock:** Allows for continuous operation without holding the trigger.
- **Battery Port:** Where the 24V IONMAX battery (sold separately) is inserted.

Included Nozzles:



Figure 3: A closer look at the three distinct nozzles provided with the heat gun.

- **Reflector Hook Nozzle:** Ideal for dispersing heat flow evenly around work surfaces, such as shrinking heat-shrink tubing around wires or bending plastic pipes.
- **Flat Nozzle:** Provides concentrated heat across a narrow and wide field, suitable for stripping paint or removing large adhesive areas.
- **Concentrated Nozzle:** Directs a narrow stream of heat onto a small surface area, perfect for precise applications like soldering or detailed craft work.

SETUP

Before operating your Sun Joe 24V-HG100-CT Cordless Heat Gun, ensure it is properly set up.

Battery Installation

1. Ensure the heat gun's trigger switch is in the OFF position.
2. Align the battery pack with the battery port on the base of the heat gun.
3. Slide the battery pack into the port until it clicks securely into place.
4. To remove, press the battery release button and slide the battery pack out.

Note: Battery and charger are sold separately. Use only Sun Joe 24V IONMAX batteries and chargers.

Nozzle Attachment

1. Ensure the heat gun is cool and the battery is removed before attaching or removing nozzles.
2. Select the appropriate nozzle for your task (Reflector Hook, Flat, or Concentrated).
3. Slide the chosen nozzle onto the heat gun's metal heat outlet until it fits snugly.
4. Ensure the nozzle is securely seated before operation.

OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your cordless heat gun.

Basic Operation

1. Ensure a charged 24V IONMAX battery is installed.
2. Select and attach the desired nozzle.
3. Point the heat gun away from yourself and others, and away from flammable materials.
4. Press the trigger switch to turn the heat gun ON. The heating element will begin to warm up immediately.
5. For continuous operation, engage the trigger lock.
6. To turn OFF, release the trigger switch or disengage the trigger lock and then release the trigger.
7. Allow the heat gun to cool down completely before storing.

Applications

The Sun Joe 24V-HG100-CT is suitable for a variety of tasks:

- **Paint Stripping:** Use the Flat Nozzle. Apply heat evenly over the paint until it softens and bubbles, then scrape away with a suitable tool.
- **Shrink-Wrapping:** Use the Reflector Hook Nozzle for even heat distribution around objects. Apply heat slowly and evenly until the material shrinks tightly.
- **Removing Adhesives/Tiles:** Use the Flat Nozzle. Heat the adhesive or tile until it softens, then carefully pry or scrape it off.
- **Thawing Frozen Pipes:** Use the Reflector Hook Nozzle. Apply heat gradually and evenly to the frozen section of the pipe. *Caution: Do not use on plastic pipes or near flammable materials.*
- **Bending PVC/Plastic:** Use the Reflector Hook Nozzle. Heat the area to be bent evenly until it becomes pliable, then carefully shape it.



Figure 4: Demonstrating the heat gun's use for bending PVC pipes, utilizing the reflector hook nozzle for even heat distribution.



Figure 5: Illustrating the application of the heat gun for shrink-wrapping electrical wires, ensuring a secure and insulated connection.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your heat gun.

Cleaning

- Always ensure the heat gun is OFF, unplugged (battery removed), and completely cool before cleaning.
- Wipe the exterior of the heat gun with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Keep the air vents clear of dust and debris to ensure proper airflow and prevent overheating. Use a soft brush or compressed air if necessary.

Storage

- Store the heat gun in a cool, dry place, away from direct sunlight and moisture.
- Ensure the heat gun is completely cool before storing.
- Store the heat gun and its accessories out of reach of children.
- Remove the battery pack from the heat gun before storing for extended periods.

TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Heat gun does not turn ON.	Battery not installed correctly.	Ensure battery is fully inserted until it clicks.
Heat gun does not turn ON.	Battery is not charged.	Charge the battery pack using a compatible Sun Joe charger.

Problem	Possible Cause	Solution
Heat gun produces insufficient heat.	Air vents are blocked.	Clean air vents to ensure proper airflow.
Heat gun shuts off during use.	Overheating due to prolonged use or blocked vents.	Turn off the heat gun, remove battery, and allow it to cool down. Clear any obstructions from vents.

If the problem persists after attempting these solutions, please contact Sun Joe customer support.

SPECIFICATIONS

Feature	Detail
Model Number	24V-HG100-CT
Brand	Sun Joe
Voltage	24 Volts
Power Source	Battery Powered (IONMAX System)
Maximum Temperature	1020 Degrees Fahrenheit
Item Weight	1.86 Pounds
Product Dimensions	8.5 x 7 x 3.25 inches
Included Components	3 Nozzles (Reflector Hook, Flat, Concentrated)
UPC	842470126138

WARRANTY AND SUPPORT

For warranty information, product registration, or technical support, please visit the official Sun Joe website or contact their customer service.

Official Website: www.sunjoe.com

Customer Service: Refer to the contact information provided on the Sun Joe website or product packaging for the most current details.

Note: Keep your purchase receipt as proof of purchase for warranty claims.

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