Sumsour 8858

Sumsour 8858 Portable Digital Hot Air Gun Instruction Manual

Model: 8858 SET-2

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Sumsour 8858 Portable Digital Hot Air Gun. Please read this manual thoroughly before using the device to ensure proper function and to prevent damage or injury.
The Sumsour 8858 is a portable digital hot air gun designed for various applications, including soldering, desoldering, and other repair tasks requiring controlled heat. It features a digital LED display for temperature and airflow control, microcomputer control for rapid heating, and an automatic cool-down function.

2. Safety Information

WARNING: Improper use can lead to fire, electric shock, or personal injury. Always follow safety guidelines.

- Always operate the hot air gun in a well-ventilated area.
- Do not touch the metal nozzle or heated components during or immediately after operation, as they will be extremely hot.
- Keep flammable materials away from the work area.
- Do not direct hot air at people or animals.
- Ensure the power supply matches the specifications of the device (AC100-120V, 60Hz).
- Unplug the device when not in use and before cleaning or maintenance.
- Do not use the hot air gun near liquids or in damp conditions.

- Always place the hot air gun in its stand when not actively holding it, allowing it to cool down safely.
- Keep out of reach of children.

3. Package Contents

Verify that all items listed below are included in your package:

- 1 x Sumsour 8858 Hot Air Gun Unit
- 1 x Hot Air Gun Handle
- 1 x Hot Air Gun Stand
- 8 x Air Nozzles (various sizes)
- 1 x Power Cable (US Plug)
- 1 x Heating Element (Spare)
- 1 x Tweezers
- 1 x Solder Wire
- 1 x User Manual (this document)



Image 1: Sumsour 8858 Hot Air Gun complete set, showing the main unit, hot air gun handle, and three nozzles.

4. Product Overview

The Sumsour 8858 consists of a main control unit and a hot air gun handle. The control unit features a digital LED display and control buttons for precise temperature and airflow adjustments.



Image 2: Close-up view of the control unit, highlighting the LED display and control buttons (UP, DOWN, ON/OFF, SET).



Image 3: The hot air gun handle, showing its ergonomic design and connection cable.



Image 4: Various sizes of air nozzles for different applications.



Image 5: The stand for safely holding the hot air gun handle when not in use or during cool-down.

5. Setup

1. **Unpack:** Carefully remove all components from the packaging.
2. **Connect Handle:** Connect the hot air gun handle cable to the designated port on the main control unit. Ensure a secure connection.
3. **Attach Nozzle:** Select the appropriate nozzle for your task and securely attach it to the hot air gun

handle.

4. **Position Stand:** Place the hot air gun stand on a stable, heat-resistant surface. The stand is designed to hold the hot air gun handle safely when not in active use.
5. **Power Connection:** Plug the power cable into the main control unit, then plug the other end into a standard AC100-120V, 60Hz power outlet.

6. Operating Instructions

1. **Power On:** Press the **ON/OFF** button on the control unit to power on the device. The LED display will illuminate.
2. **Set Temperature:** Use the **UP** and **DOWN** arrow buttons to adjust the desired temperature. The temperature range is 100°C to 480°C. Press **SET** to confirm the temperature. The unit will rapidly heat to the set temperature.
3. **Adjust Airflow:** While the unit is heating or operating, you can adjust the airflow using the **UP** and **DOWN** buttons (after pressing SET to cycle to airflow adjustment, if applicable, or if the unit has dedicated airflow buttons). The maximum airflow is 120 liters per minute.
4. **Operation:** Once the desired temperature is reached, you can begin your soldering or desoldering task. Always hold the hot air gun handle firmly and direct the hot air carefully.
5. **Automatic Cool-down:** When the hot air gun handle is placed back into its stand, the unit will automatically detect this and initiate a cool-down process. The fan will continue to run until the temperature drops below 70°C, at which point it will automatically stop. This feature extends the life of the heating element.
6. **Power Off:** Press the **ON/OFF** button to turn off the device. If the hot air gun is still hot, it will enter cool-down mode before fully shutting down.

Note: The unit features microcomputer control for rapid heating and stable temperature output (stability of ±2°C). The high-quality heating element ensures a long service life.

7. Maintenance

- **Cleaning:** Ensure the device is unplugged and completely cool before cleaning. Wipe the exterior with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Nozzle Care:** Keep the nozzles clean and free from debris. Replace damaged or clogged nozzles.
- **Heating Element Replacement:** If the heating element's resistance value becomes incorrect or it fails, it can be replaced. Refer to the included spare heating element (Image 6). This procedure should only be performed by qualified personnel or with extreme care, ensuring the device is unplugged and cool.
- **Storage:** Store the hot air gun and its accessories in a dry, dust-free environment when not in use.



Image 6: The spare heating element, which can be replaced if the original fails.

8. Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	No power supply; loose connection; faulty power cable.	Check power outlet; ensure power cable is securely connected; test with another power cable if available.
No heat or insufficient heat.	Heating element failure; incorrect temperature setting.	Verify temperature setting; consider replacing the heating element (refer to Maintenance section).
No airflow or weak airflow.	Fan malfunction; blocked nozzle.	Check for nozzle blockages; if fan is not operating, contact support.

Problem	Possible Cause	Solution
Temperature display error.	Sensor issue; internal fault.	Power cycle the device. If the issue persists, contact support.

9. Specifications

Model Number	8858
Voltage	AC100-120V
Frequency	60Hz
Output Power	500W
Temperature Range	100°C - 480°C (212°F - 896°F)
Temperature Stability	±2°C
Airflow	Up to 120 L/min (maximum)
Display Type	LED Digital
Material	Silicone (body), Metal (nozzle)
Dimensions (Control Unit)	Approximately 12.5 x 5.5 x 3.5 cm
Weight	Approximately 855 g
Plug Type	US Style (Type B)

10. Warranty and Support

For warranty information and technical support, please refer to the seller's policies or contact the manufacturer directly. Keep your purchase receipt as proof of purchase.
For issues not covered in the troubleshooting section, please contact Sumsour customer service or your retailer for assistance.

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