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Sumsour 858D

Sumsour 858D Hot Air Gun Rework Station User Manual

Model: 858D | Brand: Sumsour

1. Introduction

The Sumsour 858D 700W Hot Air Gun BGA Rework Solder Station is designed for SMD and SMT welding and repair tasks. It offers precise temperature control and adjustable airflow, making it suitable for a wide range of applications including heating shrink, drying, lacquer removal, and pre-heating.

Key features include an LCD digital display for accurate temperature readings, microcomputer control for rapid warm-up, and PID technology for stable temperature maintenance. The unit is equipped with an intelligent self-detection function for safe operation and automatically enters standby mode when the hot air gun is placed in its holder, initiating a cooling process to extend the heater's lifespan. Its ESD design protects sensitive electronic components during rework.





This image displays the complete Sumsour 858D Hot Air Gun Rework Solder Station, including the main unit, hot air gun, and three different sized nozzles.

2. Setup Instructions

Follow these steps to set up your Sumsour 858D Hot Air Gun Rework Station:

1. **Unpack Components:** Carefully remove all components from the packaging, including the main unit, hot air gun handle, three air nozzles, stand, US power wire, and manual.
2. **Attach Hot Air Gun:** Connect the hot air gun handle to the designated port on the front panel of the main unit. Ensure the connection is secure by twisting the connector.
3. **Install Nozzle:** Select the appropriate air nozzle for your task and securely attach it to the hot air gun. The unit comes with three different sizes.
4. **Place Holder:** Attach the plastic holder for the hot air gun to the side of the main unit. This provides a safe place to rest the hot air gun when not in use and activates the automatic standby function.
5. **Connect Power:** Insert the US power wire into the power input port located at the rear of the main unit. Plug the other end into a standard 110V AC power outlet.



This diagram highlights key components of the 858D station, including the temperature display, wind regulation knob, power switch, hot air handle, holder, and air nozzles, aiding in proper setup and identification.

[redacted]

This video demonstrates the assembly of the hot air gun to the main unit, connecting the power, and basic operation including turning on the unit, adjusting temperature, and observing the hot air flow.

3. Operating Instructions

Once the unit is set up, follow these steps for operation:

1. **Power On:** Flip the 'POWER' switch on the front panel to the 'ON' position. The LCD digital display will illuminate.
2. **Adjust Temperature:** Use the temperature control buttons (up/down arrows) or the rotary knob to set the desired temperature. The digital display will show the current temperature. The unit will quickly reach the set temperature.
3. **Adjust Airflow:** Rotate the 'AIR' knob to adjust the airflow intensity. Start with a lower setting and increase as needed for your application.
4. **Begin Operation:** Pick up the hot air gun from its holder. The unit will automatically exit standby mode and begin heating/blowing air according to your settings.

5. **Return to Standby:** When finished, place the hot air gun back into its holder. The unit will automatically enter standby mode, and the fan will continue to run briefly to cool down the heating element before shutting off, prolonging its lifespan.



A detailed view of the control panel, showing the digital temperature display, the rotary knob for air flow adjustment, and buttons for temperature regulation.

4. Maintenance

Proper maintenance ensures the longevity and optimal performance of your rework station:

- **Cleaning:** Regularly wipe the main unit and hot air gun handle with a soft, dry cloth to remove dust and debris. Do not use abrasive cleaners or solvents.
- **Nozzle Care:** Ensure air nozzles are clear of obstructions. Clean them periodically to maintain consistent airflow.
- **Storage:** Store the unit in a dry, dust-free environment when not in use. Always place the hot air gun in its designated

holder to allow for proper cooling.

- **Power Cord:** Inspect the power cord for any signs of damage. If damaged, discontinue use and contact support.

5. Troubleshooting

If you encounter issues with your Sumsour 858D, refer to the following common problems and solutions:

- **No Power:**
  - Check if the power cord is securely plugged into both the unit and the wall outlet.
  - Ensure the power switch is in the 'ON' position.
  - Verify the power outlet is functional.
- **No Heat/Airflow:**
  - Ensure the hot air gun is removed from its holder to activate operation.
  - Check temperature and airflow settings on the control panel.
  - If the issue persists, the heating element or fan may require professional inspection.
- **Inaccurate Temperature Display:**
  - Ensure the hot air gun is properly connected.
  - Allow the unit to stabilize for a few minutes after powering on.
  - If readings are consistently inaccurate, contact customer support.

6. Technical Specifications

Specification	Value
Model	858D
Brand	Sumsour
Voltage	110 Volts
Wattage	700 Watts
Temperature Range	100-480 Degrees Celsius (212-896 Degrees Fahrenheit)
Temperature Stability	±1 Degrees Celsius
Air Flow Capacity	120 Liters per Minute (max)
Noise Level	<45dB
Product Dimensions (L x W x H)	5.91" x 3.74" x 5.12"
Item Weight	2.64 pounds
Display Type	LED Digital Display
Material	Metal and Plastic
Cord Length	1 Meter

Included Components	Main Unit, Hot Air Gun Handle, 3 Air Nozzles, Stand, US Power Wire, Manual

7. Warranty and Support

The Sumsour 858D Hot Air Gun Rework Station comes with a**1-year warranty** as specified by the manufacturer. Please retain your proof of purchase for warranty claims.
For technical support, troubleshooting assistance, or warranty inquiries, please contact the seller, SunTop, through the platform where the product was purchased. Provide your order details and a clear description of the issue to facilitate a prompt resolution.

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