

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

> [Pro'sKit](#) /

> [Pro'sKit SS-969E SMD Rework Station User Manual](#)

## Pro'sKit SS-969E

# Pro'sKit SS-969E SMD Rework Station

User Manual

## 1. INTRODUCTION

---

The Pro'sKit SS-969E SMD Rework Station is a professional tool designed for soldering and desoldering Surface Mount Devices (SMD). It features a microprocessor-controlled, closed-circuit sensor design, ensuring high power and quick warm-up times. The brushless motor design contributes to quiet operation, with equipment noise less than 45dB. This station is suitable for a variety of applications including heating shrink, viscosity removal, lacquer removal, and preheating. Key features include:

- Adjustable air flow, air volume, and temperature, suitable for a variety of applications.
- Handle with sensor design provides real-time operating convenience.
- Safe for soldering QFP, PLCC, BGA, and other temperature-sensitive components.
- Auto cool-off process to prolong the life of the heating element.
- Plastic shell, compact body, beautiful, small footprint.

## 2. SAFETY PRECAUTIONS

---

To ensure safe operation and prevent damage to the equipment or injury, please read and follow these safety guidelines:

- **Electrical Safety:** Always connect the station to a grounded power outlet. Do not operate the station with wet hands or in damp environments. Disconnect power before cleaning or servicing.
- **Heat Hazard:** The hot air gun and its nozzle become extremely hot during operation. Avoid direct contact with skin. Allow components to cool before handling.
- **Ventilation:** Use the rework station in a well-ventilated area to avoid inhaling fumes produced during soldering/desoldering. Consider using a fume extractor.
- **Flammable Materials:** Keep flammable liquids, gases, and materials away from the work area. The hot air can ignite them.
- **Proper Use:** Use the station only for its intended purpose. Do not modify the unit or use non-original parts.
- **Storage:** Store the unit in a dry, safe place when not in use, out of reach of children.
- **Proposition 65 Warning:** This product may expose you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## 3. PACKAGE CONTENTS

---

Upon opening the package, please verify that all components are present and undamaged:

- Pro'sKit SS-969E SMD Rework Station Main Unit
- Hot Air Gun
- Hot Air Gun Holder
- Power Cord
- Nozzles (various sizes, if included)
- User Manual (this document)

If any items are missing or damaged, please contact your vendor or Pro'sKit customer service immediately.

## 4. PRODUCT OVERVIEW

---



**Figure 1:** Pro'sKit SS-969E SMD Rework Station. The main unit, colored black and green, features a digital temperature display, control knobs for temperature and airflow, and a power switch. A holder for the hot air gun is attached to the side. The hot air gun, with a black handle, is connected to the main unit by a cable.

The SS-969E consists of a main control unit and a hot air gun. The main unit houses the power supply, control circuitry, and air pump. The front panel includes a digital display for temperature, temperature and airflow adjustment knobs, and a power switch. The hot air gun is connected via a flexible cable and hose, allowing for precise handling during rework tasks.

## Component Identification:

1. **Digital Temperature Display:** Shows the current or set temperature in Celsius.
2. **Temperature Control Knob:** Adjusts the desired hot air temperature.
3. **Airflow Control Knob:** Adjusts the volume of hot air output.
4. **Power Switch:** Turns the unit on or off.
5. **Hot Air Gun Connector:** Port for connecting the hot air gun.
6. **Hot Air Gun Holder:** Provides a safe resting place for the hot air gun when not in use, often triggering the auto cool-off function.

## 5. SETUP

---

1. **Unpack:** Carefully remove all components from the packaging. Retain the packaging for future storage or transport.
2. **Placement:** Place the rework station on a stable, heat-resistant, and non-flammable surface. Ensure there is adequate space around the unit for ventilation.
3. **Connect Hot Air Gun:** Connect the hot air gun's cable to the designated port on the main unit. Ensure the connection is secure.
4. **Attach Nozzle:** Select the appropriate nozzle for your application and securely attach it to the hot air gun.
5. **Power Connection:** Plug the power cord into the power inlet on the back of the main unit, then plug the other end into a grounded electrical outlet.
6. **Position Holder:** Ensure the hot air gun holder is securely attached to the side of the main unit and is easily accessible.

## 6. OPERATING INSTRUCTIONS

---

1. **Power On:** Flip the power switch on the front panel to the "ON" position. The digital display will illuminate, showing the current temperature.
2. **Set Temperature:** Use the "Temperature Control" knob to set the desired temperature. The display will show the set temperature briefly, then return to the actual temperature as it heats up.
3. **Set Airflow:** Use the "Airflow Control" knob to adjust the desired air volume. Start with a lower setting and increase as needed for your application.
4. **Begin Operation:** Once the desired temperature is reached (indicated by the display stabilizing), remove the hot air gun from its holder. The air pump will activate, and hot air will begin to flow.
5. **Reworking Components:**
  - Hold the hot air gun at a safe distance from the component, typically 1-2 cm, and move it in a circular motion to ensure even heating.
  - Monitor the solder and component carefully. Avoid overheating.
  - Once the solder melts, carefully remove the component using tweezers or a vacuum pick-up tool.
6. **Auto Cool-Off:** When you place the hot air gun back into its holder, the station will automatically initiate a cool-off process. The air will continue to flow at a reduced temperature until the heating element has cooled down to a safe

level. This prolongs the life of the heating element. Do not turn off the power switch until the cool-off process is complete (the display may show "OFF" or a low temperature).

7. **Power Off:** After the cool-off process is complete, turn the power switch to the "OFF" position. Unplug the unit from the power outlet if not in use for an extended period.

## 7. MAINTENANCE

---

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

- **Cleaning:**
  - Ensure the unit is powered off and unplugged before cleaning.
  - Wipe the exterior of the main unit and hot air gun with a soft, damp cloth. Do not use abrasive cleaners or solvents.
  - Periodically check the air intake vents for dust accumulation and clean them to ensure proper airflow.
- **Nozzle Care:**
  - Ensure nozzles are clean and free of solder residue. Clean them when cool.
  - Replace damaged or clogged nozzles to maintain consistent airflow and temperature.
- **Cable Inspection:** Regularly inspect the power cord and the hot air gun cable for any signs of damage, fraying, or kinks. Replace if damaged.
- **Storage:** When not in use, store the rework station in a dry, dust-free environment.

## 8. TROUBLESHOOTING

---

Problem	Possible Cause	Solution
Unit does not power on.	No power supply; Power cord loose or damaged; Power switch off.	Check power outlet; Ensure power cord is securely plugged in; Turn power switch to "ON".
No hot air or low airflow.	Airflow knob set too low; Nozzle clogged; Air pump malfunction.	Increase airflow setting; Clean or replace nozzle; Contact customer service if pump issue persists.
Temperature not reaching set value.	Heating element issue; Sensor malfunction; Incorrect temperature setting.	Verify temperature setting; Allow sufficient warm-up time; Contact customer service.
Unit does not cool down automatically.	Hot air gun not placed correctly in holder; Sensor issue in holder.	Ensure hot air gun is fully seated in its holder; Contact customer service.

If the problem persists after attempting the above solutions, please contact Pro'sKit customer support for further assistance.

## 9. SPECIFICATIONS

---

Item Model Number	SS-969E
Manufacturer	Pro'sKit

<b>Package Dimensions</b>	11.1 x 7.52 x 6.69 inches
<b>Item Weight</b>	4.32 Pounds
<b>Display Type</b>	Digital
<b>Number of Channels</b>	2
<b>Included Components</b>	Rework Station
<b>Noise Level</b>	Less than 45dB
<b>Control</b>	Microprocessor-controlled, closed circuit sensor

## 10. WARRANTY AND SUPPORT

---

Pro'sKit products are manufactured to high-quality standards. For information regarding warranty coverage, please refer to the warranty card included with your product or visit the official Pro'sKit website.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact Pro'sKit customer service. Contact information can typically be found on the manufacturer's website or on the product packaging.

**Pro'sKit Official Website:** [www.proskit.com](http://www.proskit.com) (Note: This is a placeholder URL, please refer to actual manufacturer website for accurate contact details.)

