CREWORKS SRS-D898-00

CREWORKS SRS-D898-00 2-in-1 Soldering Iron and Hot Air Rework Station User Manual

Model: SRS-D898-00 | Brand: CREWORKS

1. Introduction

This manual provides detailed instructions for the safe and efficient operation, setup, and maintenance of your CREWORKS SRS-D898-00 2-in-1 Soldering Iron and Hot Air Rework Station. Please read this manual thoroughly before use and retain it for future reference.

The CREWORKS SRS-D898-00 is a versatile tool combining a soldering iron and a hot air rework station, designed for precision electronic repair tasks. It features independent control for both functions, LED temperature displays, and rapid heating capabilities.

Figure 1: Overview of the CREWORKS SRS-D898-00 Rework Station.

2. Safety Information

Always observe the following safety precautions to prevent injury or damage to the equipment:

- Ensure the unit is connected to a 110V AC power supply.
- Do not operate the unit in damp or wet conditions.
- Keep flammable materials away from the hot air gun and soldering iron tips.
- Wear appropriate personal protective equipment, including safety glasses.
- Allow the hot air gun and soldering iron to cool completely before storage or maintenance.
- Never touch the hot air nozzle or soldering iron tip when the unit is powered on or cooling down.
- Ensure proper ventilation in your workspace to avoid inhaling solder fumes.
- The unit is equipped with built-in fuse protection. Do not bypass or modify safety features.

Figure 2: Rear panel of the rework station, highlighting the fuse and power input (110V).

3. Product Components

The package includes the following items:

- CREWORKS SRS-D898-00 Main Unit
- Hot Air Gun
- Soldering Iron
- Soldering Iron Stand with Sponge
- Hot Air Gun Holder
- 8 x Soldering Tips (various shapes)
- 3 x Hot Air Nozzles (various sizes)
- IC Extractor Tool
- Wrench
- Power Cord
- User Manual

Figure 3: Labeled diagram of the rework station's main components and controls.

Figure 3a: Included Soldering Tips.

Figure 3b: Included Hot Air Nozzles.

4. Setup Instructions

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Attach Hot Air Gun Holder:** Secure the hot air gun holder to the side of the main unit using the provided screws and wrench. Ensure it is firmly attached.
3. **Connect Hot Air Gun:** Plug the hot air gun's connector into the "SMD REWORK" port on the main unit. Ensure the connection is secure.
4. **Connect Soldering Iron:** Plug the soldering iron's connector into the "SOLDERING" port on the main unit. Place the soldering iron into its stand.
5. **Power Connection:** Connect the power cord to the main unit and then to a standard 110V AC power outlet.

Figure 4: Securely connecting the soldering iron to the main unit.

5. Operating Instructions

5.1 General Operation

1. **Power On:** Flip the main power switch located on the front panel to the "ON" position. The LED displays will illuminate.
2. **Initial State:** When the unit is powered on, ensure the hot air gun is placed in its holder. The system will automatically enter a standby mode, and the hot air gun will cool down if it was previously hot.

5.2 Hot Air Rework Station

1. **Activate Hot Air:** Flip the "SMD REWORK" switch to "ON".
2. **Adjust Temperature:** Use the red "Up" and "Down" buttons (labeled with arrows) next to the hot air display to set the desired temperature. The LED display shows the current temperature. The hot air gun heats up to 450°C in approximately 5 seconds.
3. **Adjust Airflow:** Rotate the "AIR" control knob to adjust the airflow strength. Start with a lower setting and increase as needed. The hot air gun blows at up to 120L/min.

4. **Operation:** Remove the hot air gun from its holder to begin heating and blowing air. When finished, place the hot air gun back into its holder. The unit will automatically cool down the hot air gun before entering standby mode.

Figure 5: Temperature adjustment buttons (left) and airflow control knob (right).

Figure 5a: Using the hot air gun for rework tasks.

5.3 Soldering Iron

1. **Activate Soldering Iron:** Flip the "SOLDERING" switch to "ON".
2. **Adjust Temperature:** Use the red "Up" and "Down" buttons next to the soldering iron display to set the desired temperature. The LED display shows the current temperature. The soldering iron heats up to 200°C in approximately 7 seconds.
3. **Automatic Temperature Reduction:** If the soldering iron is placed on its stand for more than 10 minutes, the temperature will automatically decrease for safety and to extend tip life. Picking up the iron will resume the set temperature.
4. **Tip Selection:** Choose an appropriate soldering tip from the 8 included tips for your specific task. Ensure the tip is securely installed.

Figure 5b: Soldering iron in its stand, ready for use.

5.4 Applications

This rework station is suitable for a variety of tasks, including:

- Soldering and de-soldering of Surface Mount Devices (SMD) such as SOIC, CHIP, QFP, PLCC, and BGA components.
- Cell phone and laptop repair.
- Circuit board soldering and repair.
- Heat shrinking and plastic welding.

6. Maintenance

- **Soldering Tip Cleaning:** Regularly clean the soldering iron tip using the included sponge (dampened with water) or brass wool to remove oxidation and solder residue. This extends tip life and improves soldering performance.
- **Tip Replacement:** Replace soldering tips when they become worn or damaged. Ensure the iron is cool before changing tips.
- **Nozzle Replacement:** Change hot air nozzles as needed for different applications. Ensure the hot air gun is cool before changing nozzles.
- **General Cleaning:** Keep the main unit and tools clean and free of dust and debris. Use a soft, dry cloth for cleaning. Do not use abrasive cleaners or solvents.
- **Fuse Replacement:** If the unit does not power on, check the fuse located on the rear panel. Replace with a fuse of the same rating (8A, 110V). Always disconnect power before replacing the fuse.

7. Troubleshooting

Problem	Possible Cause	Solution
Unit does not power on.	No power supply; Blown fuse.	Check power cord connection and outlet; Replace fuse (8A, 110V).
Hot air gun not heating.	"SMD REWORK" switch off; Hot air gun not removed from holder; Faulty heating element.	Turn "SMD REWORK" switch on; Remove hot air gun from holder; Contact customer support.
Soldering iron not heating.	"SOLDERING" switch off; Faulty heating element or tip.	Turn "SOLDERING" switch on; Check tip connection; Replace tip; Contact customer support.
Inconsistent soldering iron temperature.	Oxidized or dirty tip; Loose tip connection.	Clean or replace soldering tip; Ensure tip is securely tightened.
No airflow from hot air gun.	Airflow knob set to minimum; Fan malfunction.	Adjust airflow knob; Contact customer support.

8. Specifications

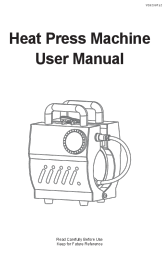
Feature	Detail
Model	SRS-D898-00
Input Voltage	110V AC
Total Power Consumption	700 Watts
Hot Air Gun Temperature Range	100°C - 480°C (212°F - 896°F)
Soldering Iron Temperature Range	200°C - 480°C (392°F - 896°F)
Hot Air Gun Airflow	Up to 120 L/min
Display Type	LED
Fuse Rating	8A
Item Weight	5.13 pounds
Dimensions (Package)	10.43 x 6.97 x 6.22 inches

9. Warranty and Support

For warranty information, technical support, or service inquiries, please contact CREWORKS customer service. Refer to your purchase documentation for specific warranty terms and contact details.

Manufacturer: CREWORKS

Related Documents - SRS-D898-00

	CREWORKS Heat Press Machine User Manual - WBFHPM11OZ Operation and Safety Guide Comprehensive user manual for the CREWORKS WBFHPM11OZ heat press machine. Learn about safety, specifications, installation, operation, recommended settings, maintenance, and troubleshooting for your heat transfer sublimation printing needs.
	Heat Press Machine User Manual - Operation, Specifications, and Troubleshooting Comprehensive user manual for the Heat Press Machine, covering safety information, specifications, product diagram, installation, operation, recommended settings, adjustment, maintenance, troubleshooting, and disposal. Includes details on models WBFHPM20OZ and WBFHPM30OZ.
	CREWORKS Clamshell Heat Press Instruction Manual - Setup, Operation, and Maintenance Comprehensive instruction manual for the CREWORKS Clamshell Heat Press. Learn about setup, operation, safety, maintenance, troubleshooting, and specifications for models like 5IN1, 8IN1, HP3805IN1, and HP3808IN1.
	Heat Press Machine User Manual User manual for the Heat Press Machine, providing safety information, specifications, installation, operation, troubleshooting, and maintenance guidelines.
	CREWORKS Swivel Heat Press User Manual Comprehensive user manual for the CREWORKS Swivel Heat Press, covering safety information, specifications, assembly, operation, troubleshooting, and maintenance.
	CREWORKS Swing-Away Heat Press Instruction Manual This instruction manual provides detailed guidance on the safe operation, assembly, and maintenance of the CREWORKS Swing-Away Heat Press (Model SJYHPM2938), including specifications, typical settings, and troubleshooting tips.