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> [WEP 882D Soldering Iron Station and Hot Air Rework Station User Manual](#)

## WEP WEP 882D

# WEP 882D Soldering Iron Station & Hot Air Rework Station User Manual

Model: WEP 882D | Brand: WEP

## 1. SAFETY INSTRUCTIONS

Please read all instructions carefully before operating the WEP 882D Soldering Iron Station and Hot Air Rework Station. Failure to follow these safety guidelines may result in electric shock, fire, or serious injury.

- **Electrical Safety:** This product is rated for 110-127V USA specifications. Do not connect this unit to a 220V power socket. Ensure the power outlet is properly grounded.
- **Heat Hazard:** The soldering iron tip and hot air nozzle reach very high temperatures. Always use caution and avoid direct contact with skin or flammable materials. Allow components to cool before handling.
- **Ventilation:** Use the station in a well-ventilated area to avoid inhaling fumes produced during soldering. Consider using a fume extractor.
- **Work Area:** Keep your work area clean and free of clutter. Do not operate near water or in damp conditions.
- **Children and Pets:** Keep the unit out of reach of children and pets.
- **Maintenance:** Disconnect power before performing any maintenance or changing accessories.

## 2. PRODUCT OVERVIEW

The WEP 882D is a versatile 2-in-1 rework station, combining a high-performance soldering iron with a hot air gun. It is designed for precision electronic work, including SMD component soldering and desoldering.

### 2.1. Included Components

- 1 x WEP 882D Soldering Station Unit
- 1 x Soldering Iron Handpiece
- 1 x Hot Air Gun Handpiece
- 5 x Soldering Tips (I/B/K/3.2D/3C)
- 3 x Hot Air Nozzles

- 2 x Spools of Solder Wire
- 1 x Brass Wool Tip Cleaner
- 1 x Desoldering Pump
- 1 x Pair of Tweezers



Figure 2.1: WEP 882D Soldering Station and its complete accessory kit.

# 2-IN-1 Soldering + Hot Air Rework



Figure 2.2: The 2-in-1 design of the WEP 882D, featuring both hot air gun and soldering iron capabilities.

## 3. SETUP

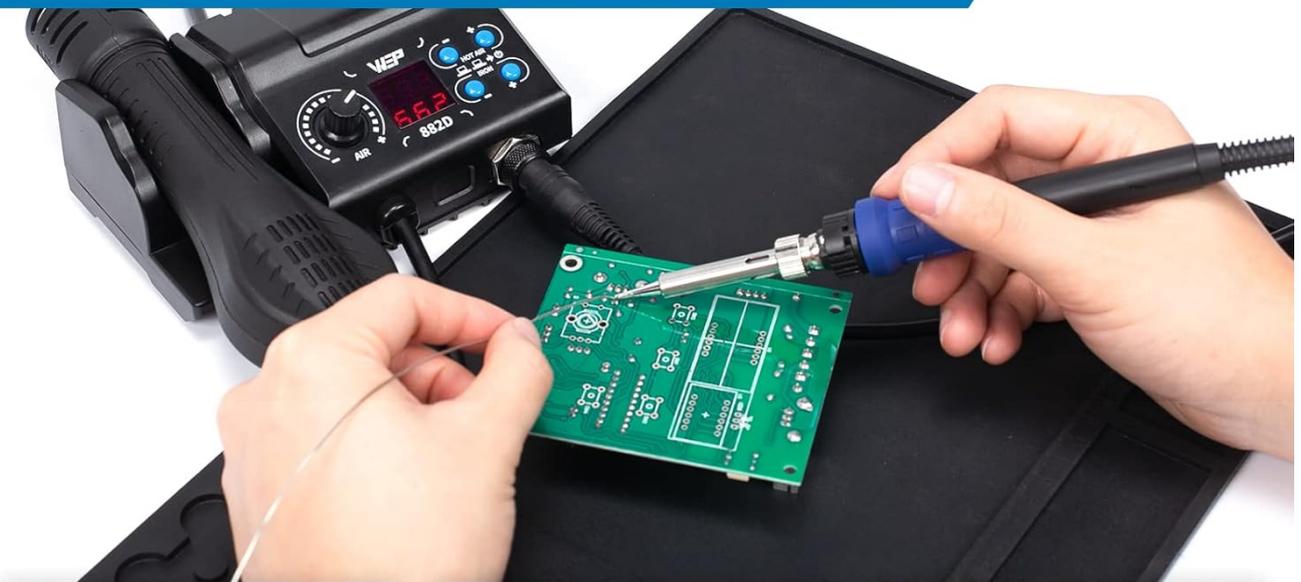
1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Placement:** Place the main unit on a stable, heat-resistant surface, ensuring adequate ventilation around the unit.
3. **Connect Handpieces:** Connect the soldering iron and hot air gun handpieces to their respective ports on the main unit. Ensure connections are secure.
4. **Power Connection:** Plug the power cord into a 110-127V AC grounded outlet.
5. **Initial Check:** Before turning on, ensure all controls are at their minimum settings.

## 4. OPERATING INSTRUCTIONS

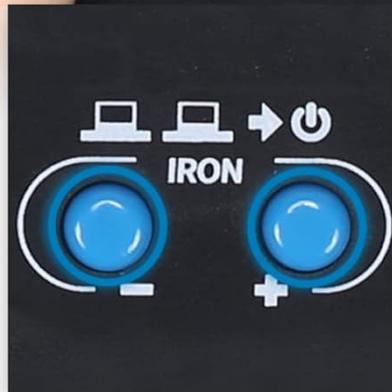
## 4.1. Soldering Iron Operation

1. **Power On:** Press the "IRON" power button on the main unit. The LED display will show the current temperature.
2. **Temperature Adjustment:** Use the temperature control buttons (usually '+' and '-') for the soldering iron to set the desired temperature between 392°F and 896°F (200°C and 480°C). The unit features a built-in PID program for precise temperature control.
3. **Pre-heating:** Allow the soldering iron to reach the set temperature. This usually takes a short time.
4. **Soldering:** Apply solder to the joint, ensuring proper heat transfer from the tip.
5. **Sleep Mode:** The soldering iron will automatically enter sleep mode if not used for 10 minutes, cooling to a lower temperature to reduce wear and extend tip lifespan. To reactivate, simply pick up the iron.

# SOLDERING STATION



**Temperature**  
(Adjustable)  
**392 - 896°F**



**Power Button**  
(Adjustable)  
**ON / OFF**

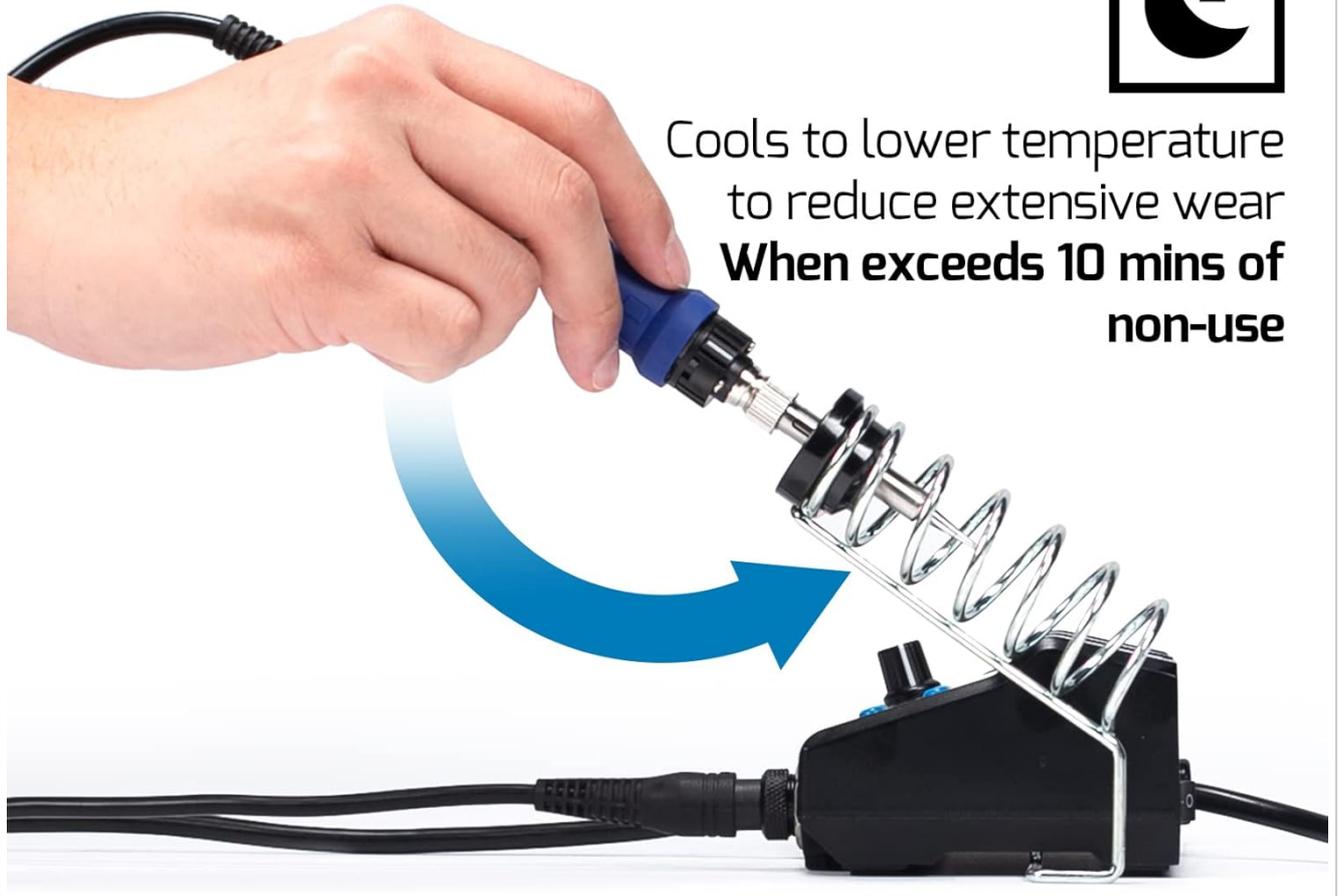


**Digital Display**  
(Individual)  
**Clear readings**

Figure 4.1: Soldering station controls, including power button, temperature adjustment, and digital display.

# Sleep Mode

(soldering iron)



Cools to lower temperature  
to reduce extensive wear  
**When exceeds 10 mins of  
non-use**

Figure 4.2: The soldering iron automatically enters sleep mode after 10 minutes of non-use to preserve the tip.

## 4.2. Hot Air Gun Operation

1. **Power On:** Press the "HOT AIR" power button on the main unit. The LED display will show the current temperature.
2. **Temperature Adjustment:** Use the temperature control buttons (usually '+' and '-') for the hot air gun to set the desired temperature between 212°F and 896°F (100°C and 480°C).
3. **Air Volume Adjustment:** Use the "AIR" knob to adjust the air volume to your desired level.
4. **Operation:** Pick up the hot air gun from its holder. The unit will automatically start heating and blowing air. Direct the hot air towards the component to be reworked.
5. **Standby Mode (Auto Start/Stop):** When the hot air gun is placed back into its holder, it will automatically cool down to 212°F and stop heating temporarily, entering standby mode. This feature helps prolong the heating element's lifespan.

# HOT AIR REWORK STATION



**Temperature**  
(Adjustable)  
**212 - 896°F**



**Air Volume**  
(Adjustable)  
**Level 1-8**



**Power Button**  
(Individual)  
**ON / OFF**

Figure 4.3: Hot air rework station controls, including temperature and air volume adjustments, and power button.

# Auto Start/Stop

(hot air gun)



Cools to 212°F  
Stops heating temporarily  
**When in Holder**



Figure 4.4: The hot air gun's auto start/stop function, activating when removed from the holder and cooling when returned.

## 4.3. Additional Functions

- **°C-°F Conversion:** The unit supports conversion between Celsius and Fahrenheit temperature displays. Refer to the specific button or combination of buttons on your unit for this function (usually indicated in a quick start guide or on the unit itself).
- **Automatic Shutdown:** The unit may feature an automatic shutdown function for safety and energy saving. Consult the product's quick start guide for details on activation and settings.
- **Calibration Function:** For greater temperature precision, the unit includes a calibration function. This allows you to fine-tune the displayed temperature to match an external temperature probe.

## 5. MAINTENANCE

- **Soldering Tip Cleaning:** Regularly clean the soldering iron tip using the brass wool tip cleaner provided. This helps maintain optimal heat transfer and extends tip life.
- **Nozzle Cleaning:** Ensure hot air nozzles are free from debris or solder residue. Clean gently when cool.
- **General Cleaning:** Keep the main unit and handpieces clean and free of dust. Use a soft, dry cloth. Do not use abrasive cleaners or solvents.

- **Storage:** When not in use, store the unit and its accessories in a dry, safe place away from direct sunlight and extreme temperatures.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	No power supply; loose connection; faulty power switch.	Check power cord connection and wall outlet. Ensure power buttons for iron/hot air are pressed.
Soldering iron not heating.	Iron not connected; tip not properly installed; heating element issue.	Ensure iron is securely connected. Check if tip is properly seated. If problem persists, contact support.
Hot air gun not heating or blowing air.	Gun not connected; not removed from holder; air volume set to minimum.	Ensure gun is securely connected. Remove gun from holder to activate. Adjust air volume knob.
Temperature display is inaccurate.	Needs calibration.	Refer to the manual for calibration procedures to fine-tune temperature.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact WEP technical support.

## 7. SPECIFICATIONS

**Model:** WEP 882D

**Display Type:** LED

**Number of Channels:** 1

**Soldering Iron Temperature Range:** 392-896°F (200-480°C)

**Hot Air Rework Station Temperature Range:** 212-896°F (100-480°C)

**Temperature Stability:** ±1.8°F (±1°C)

**Power Source:** AC

**Voltage:** 110-127 Volts (USA specifications)

**Wattage:** 750 watts

**Item Weight:** Approximately 2.42 pounds (1.1 Kilograms)

**Product Dimensions:** 5.91 x 3.54 x 2.28 inches (15 x 9 x 5.8 cm)

**Material:** Brass (for certain components like tips/nozzles)

**Manufacturer:** Guangzhou Yihua Electronic Equipement Co.,Ltd.

## 8. WARRANTY AND SUPPORT

This WEP soldering iron kit is covered by our exclusive **1-year USA technical support**. Our dedicated team is available to provide **24-hour assistance** for any questions or issues you may encounter.

For support, please refer to the contact information provided with your product packaging or visit the official WEP website.

