Duokon 8858

Duokon 8858 Hot Air Soldering Blower Rework Station

User Manual

1. Introduction

Thank you for choosing the Duokon 8858 Hot Air Soldering Blower Rework Station. This portable heat gun is designed for precise soldering and desoldering tasks, featuring advanced temperature control and adjustable airflow. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting to ensure optimal performance and longevity of your device.

2. Safety Instructions

Please read and understand all safety warnings and instructions before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Safety:** Ensure the power supply matches the voltage specified on the device (220V). Do not operate in wet conditions. Always unplug the device when not in use or before cleaning.
- **Heat Hazard:** The hot air gun produces extremely high temperatures. Do not touch the nozzle or heated components. Allow the device to cool completely before storing.
- **Ventilation:** Use in a well-ventilated area to avoid inhaling fumes from soldering materials.
- **Personal Protective Equipment:** Always wear appropriate safety glasses and heat-resistant gloves when operating the hot air gun.
- **Stable Placement:** Always place the hot air gun on its designated stand when not actively holding it. The stand activates standby mode for safe cooling.
- **Children and Pets:** Keep the device out of reach of children and pets.

3. Product Overview

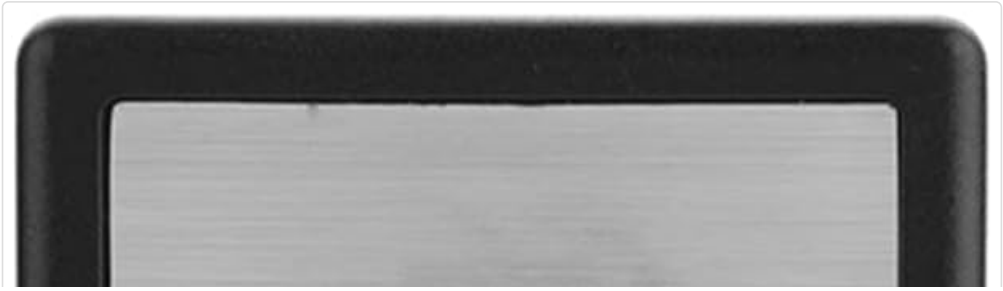
The Duokon 8858 Rework Station consists of a hot air gun, a control unit, a power cable, a gun stand, and three interchangeable nozzles.



Figure 3.1: Complete kit of the Duokon 8858 Hot Air Soldering Blower Rework Station, including the hot air gun, control unit, power cable, stand, and three nozzles.

Key Features:

- **Built-in Microcomputer:** Precisely controls temperature to meet various soldering requirements.
- **Real-time Digital Temperature Display:** Provides clear and easy-to-read temperature feedback during operation.
- **High-Quality Resistance:** Ensures rapid heating and a long service life for the heating element.
- **Adjustable Airflow and Temperature:** Easily customize settings using the control unit buttons.
- **Rubber Casing:** Offers adiabatic properties and a comfortable grip for extended use.




8858
The work thermometer
F08
Setup
Up
Down
ON/OFF
Main working parameters:
Working voltage: 100-240V/AC
Operating frequency: 50-60Hz
Power range: 100-320W
Adjustable temperature: 100-480℃
Adjustable wind pressure: 3-10mp
Usage method:
1、boot and shutdown, turn on the power short press Setup key to open Machine, long press Setup key 2 seconds off
2、set the temperature, after the boot, the display screen display the wind Gun temperature, short press "UP" or "down" key, temperature"Increase" or "decrease" 1 degrees, long press "UP" or"Down" key temperature continuous "increase" or "decrease""10 degrees
3、set the wind pressure, short press "Setup" display screen"F" plus wind pressure value, according to "UP" or "down"Key, set the value of the wind pressure you need.
CE RoHS
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Figure 3.2: The control unit, showing the digital display for temperature and airflow, along with the 'Up', 'Down', 'Setup', and 'ON/OFF' buttons.

4. Setup

Follow these steps for initial setup:

1. **Unpack Components:** Carefully remove all items from the packaging: the hot air gun, control unit, power cable, gun stand, and three nozzles (4.2 mm, 7.4 mm, and 9.2 mm).
2. **Connect Power Cable:** Plug the power cable into the control unit's power input, then connect the other end to a suitable 220V AC power outlet.
3. **Connect Hot Air Gun:** Connect the 8-conductor cable from the hot air gun to the corresponding port on the control unit. Ensure a secure connection.
4. **Place Gun on Stand:** Position the hot air gun securely on its dedicated stand. This stand is equipped with a sensor that activates standby mode when the gun is placed on it.
5. **Attach Nozzle:** Select the appropriate nozzle for your task and attach it firmly to the hot air gun's outlet.



Figure 4.1: The hot air gun connected to the control unit and placed on its stand, ready for operation.

5. Operating Instructions

This section details how to power on, adjust temperature, and control airflow for your soldering and desoldering tasks.

1. **Power On/Off:** Press the 'ON/OFF' button on the control unit to power on the device. The digital display will illuminate. To power off, press the 'ON/OFF' button again.
2. **Setting Temperature:**
    - After booting, the display will show the current temperature of the hot air gun.
    - Use the 'UP' or 'DOWN' buttons to adjust the temperature. A short press changes the temperature by 1°C. A long press will continuously increase or decrease the temperature by 10°C increments.
    - The device will emit a short beep once the set temperature is reached. The heater will cycle on and off to maintain this temperature.
3. **Setting Airflow:**

- Briefly press the 'SETUP' button to enter the airflow adjustment menu. The display will show 'F' followed by a two-digit number (e.g., 'F01' to 'F10').
- Use the 'UP' or 'DOWN' buttons to set the desired airflow level (F01 being the lowest, F10 the highest).
- Press the 'SETUP' button again briefly to exit the airflow setting and return to temperature display.

4. **Standby Mode:** When the hot air gun is placed on its stand, the standby switch will activate. The gun will automatically begin blowing at maximum cooling speed until its temperature drops below 100°C. The display may show dashes during this cooling process. This feature protects the heating element and ensures safety.



Figure 5.1: Example of the hot air gun being used for rework, demonstrating its application in electronic repair.

6. Maintenance

Proper maintenance ensures the longevity and reliable performance of your rework station.

- **Cleaning Nozzles:** Regularly clean the nozzles to prevent solder residue buildup, which can obstruct airflow. Ensure the device is cool and unplugged before cleaning.
- **General Cleaning:** Wipe the exterior of the hot air gun and control unit with a soft, dry cloth. Do not use abrasive cleaners or solvents.

- **Storage:** Store the device in a dry, dust-free environment when not in use. Always place the hot air gun on its stand to allow for proper cooling before storage.
- **Cable Inspection:** Periodically inspect the power cable and gun cable for any signs of damage. Do not use the device if cables are frayed or damaged.



Figure 6.1: The hot air gun correctly placed on its stand, which is crucial for cooling and safe storage.

7. Troubleshooting

If you encounter issues with your Duokon 8858 Rework Station, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on.	No power supply; faulty cable; power button not pressed.	Check power cable connection; ensure outlet is functional; press 'ON/OFF' button firmly.
Hot air gun does not heat up or heats poorly.	Incorrect temperature setting; heating element issue; gun not properly connected.	Verify temperature setting; ensure gun cable is securely connected to the control unit. If problem persists, contact support.
Temperature display is erratic or confusing.	Sensor issue; temporary glitch.	Power off and restart the device. If the issue continues, contact customer support.
No airflow or weak airflow.	Airflow setting too low; fan obstruction; nozzle clogged.	Adjust airflow setting using 'SETUP' and 'UP' buttons; check and clean nozzles for obstructions.

If you experience any issues not listed here or if the suggested solutions do not resolve the problem, please contact customer support.

8. Specifications

Specification	Value
Manufacturer	Duokon
Model	8858
Product Dimensions	25 x 15 x 10 cm
Product Weight	40 g
Power Source	Wired Electric
Voltage	220 Volts
Wattage	650 watts
Display Type	LCD
Temperature Stability	100 to 480 degrees Celsius
Rated Upper Temperature	480 Degrees Celsius
UPC	783335568970
Nozzle Diameters (Included)	4.2 mm, 7.4 mm, 9.2 mm

9. Warranty and Support

For warranty information or technical support, please refer to the documentation provided with your purchase or contact the seller/manufacturer directly. Keep your purchase receipt as proof of purchase.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question