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› Toolour 858D Hot Air Rework Station Instruction Manual

Toolour 858D

Toolour 858D Hot Air Rework Station Instruction Manual

Model: 858D | Brand: Toolour

1. INTRODUCTION

This instruction manual provides detailed information on the safe and effective operation, maintenance, and troubleshooting of your Toolour 858D Hot Air Rework Station. This station is designed for precise soldering and desoldering of various electronic components, including SOIC, CHIP, QFP, PLCC, and BGA, making it ideal for cell phone repair, laptop computer repair, and circuit board component repair.



Figure 1: Toolour 858D Hot Air Rework Station and accessories.

2. SAFETY INFORMATION

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

- Ensure the power supply matches the specified voltage (AC110V).
- Do not operate the unit in damp or wet conditions.
- Always wear appropriate personal protective equipment, including safety glasses, when operating the hot air gun.
- The hot air gun reaches high temperatures (up to 500°C). Avoid direct contact with the nozzle and heated components.
- Allow the hot air gun to cool down completely before storing or changing nozzles. The automatic cooling function will assist with this.
- Keep flammable materials away from the work area.
- Ensure proper ventilation in your workspace to dissipate fumes.
- Disconnect power before performing any maintenance or cleaning.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1x 858D Soldering Station Unit
- 1x Hot Air Gun
- 3x Air Nozzles (various sizes: 3.2mm, 5mm, 8mm)
- 1x Solder Sucker
- 1x Mini Screwdriver
- 2x Tweezers (Anti-static)
- 1x Knife
- 1x IC Extractor
- 1x Power Cable
- 1x Instruction Manual



Figure 2: Contents of the Toolour 858D package, including the rework station, hot air gun, various nozzles, and tools.

4. SETUP

Follow these steps for initial setup:

1. **Connect the Hot Air Gun Power Cable:** Locate the multi-pin connector on the hot air gun cable and align it with the "SOLDER" port on the front of the main unit. Gently push and twist to secure the connection.
2. **Connect the Station Power Cable:** Insert the provided power cable into the power inlet on the rear of the main unit. Connect the other end to a suitable AC110V power outlet.
3. **Install the Gun Bracket:** The gun bracket attaches to the side of the main unit. Align the screw holes and use the provided screws and mini screwdriver to securely fasten the bracket. This bracket provides a safe resting place for the hot air gun when not in use and activates the automatic cooling function.

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Video 1: This video demonstrates the unboxing, connection of the hot air gun and power cables, and installation of the gun bracket for the Toolour 858D Hot Air Rework Station.



Figure 3: Detailed view of the rework station's components and connection points.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Press the **POWER** switch on the front panel to turn the unit on or off. The LED display will illuminate upon power-on.

5.2 Temperature Adjustment

Use the **TEMP** adjustment buttons (▲ and ▼) to set the desired hot air temperature. The temperature range is 100°C to 500°C. The unit features intelligent temperature memory, recalling the last set temperature upon restart.



Figure 4: LED display indications for different operating states.

5.3 Airflow Adjustment

Rotate the **AIR** knob to adjust the airflow speed. There are 8 levels of adjustable airflow. For hot-sensitive SMD work, a softer air setting is recommended.

5.4 Automatic Cooling Down

When the hot air gun is placed back into its cradle (gun bracket), the unit will automatically initiate a cooling process. The fan will continue to run until the temperature drops to a safe level, then the unit will enter standby mode. This protects the heating element and extends the life of the hot air gun.



Figure 5: The hot air gun automatically cools down when placed in its holder.

5.5 Nozzle Installation

The hot air gun comes with three different sized air nozzles (3.2mm, 5mm, 8mm). To install a nozzle, simply push it onto the end of the hot air gun. Ensure it is securely fitted before operation.



Figure 6: The three included air nozzles for various applications.

5.6 Typical Applications

The Toolour 858D Hot Air Rework Station is suitable for a wide range of applications, including:

- Soldering and desoldering of Surface Mount Devices (SMD) such as SOIC, CHIP, QFP, PLCC, and BGA.
- Repair of electronic circuit boards in cell phones, laptops, and other devices.
- Heat shrinking tubing.
- Plastic welding and shaping.

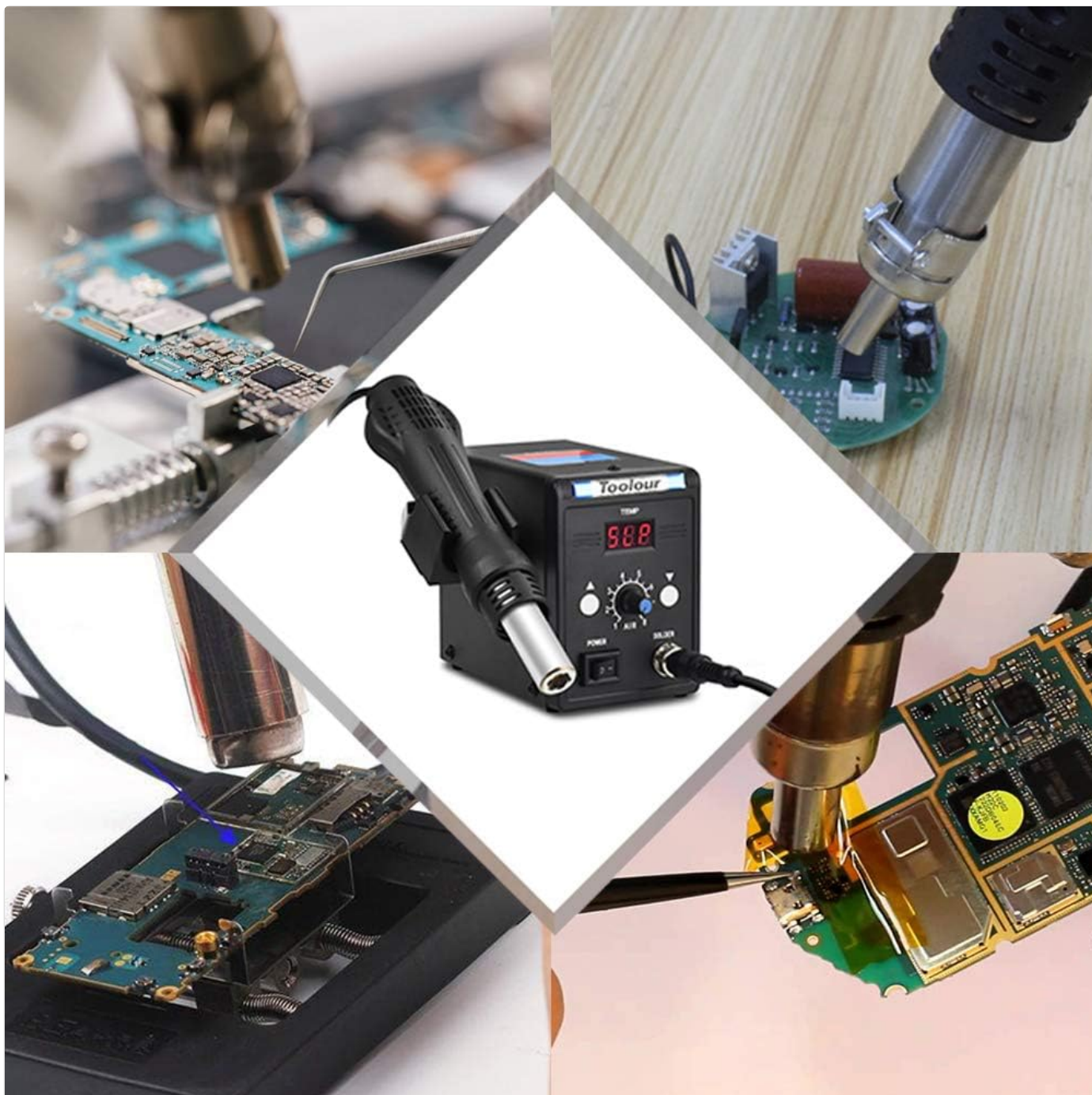


Figure 7: Examples of the hot air rework station in use for electronic repairs.

6. MAINTENANCE

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

- Keep the unit and hot air gun clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Ensure the air nozzles are clear of obstructions. Clean them periodically if necessary.
- Store the unit in a dry, cool place when not in use.
- Do not attempt to disassemble the unit or hot air gun beyond what is described in this manual. Refer to qualified service personnel for repairs.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Unit does not power on.	No power supply; power cable loose; power switch off.	Check power outlet; ensure power cable is securely connected; turn power switch on.
Hot air gun not heating.	Hot air gun cable loose; temperature set too low; internal heating element issue.	Ensure hot air gun cable is securely connected; increase temperature setting; if problem persists, contact support.
Fan not working or weak airflow.	Airflow setting too low; fan obstruction; internal fan issue.	Increase airflow setting; check for obstructions in the nozzle or gun; if problem persists, contact support.
Temperature display shows "OFF" or "SOP".	Hot air gun is in its cradle (automatic cooling/standby); no handle inserted/detected heat core.	This is normal behavior. Remove the hot air gun from the cradle to resume operation. If "SOP" persists after removing, contact support.

8. SPECIFICATIONS

Feature	Detail
Model Number	858D
Operating Voltage	AC110V
Output Power	700W
Temperature Range	100°C to 500°C (212°F to 932°F)
Noise Level	Less than 45dB
Handle Length	120cm
Display Type	LED
Item Weight	3.64 pounds
Material	Plastic, Steel

9. WARRANTY AND SUPPORT

Toolour offers a 1-year after-sales service for this product. If you are not satisfied with your rework soldering station, or if you encounter issues such as the fan not working or temperature inconsistencies, please contact Toolour customer service for assistance or replacement.

For support, please visit the official Toolour store or contact their customer service through the platform where you purchased the product. You can also refer to the contact information provided in the original product packaging.

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