

Aoyue 888A

Aoyue 888A 2 in 1 Digital Hot Air Rework and Soldering Station

INSTRUCTION MANUAL

1. Introduction

This manual provides detailed instructions for the safe and effective operation and maintenance of your Aoyue 888A 2 in 1 Digital Hot Air Rework and Soldering Station. Please read this manual thoroughly before initial use to ensure proper functionality and safety.

Safety Precautions

- Always operate the unit in a well-ventilated area to avoid inhaling fumes.
- Hot air and soldering iron tips reach high temperatures. Avoid direct contact to prevent severe burns.
- Ensure the unit is properly grounded using the provided power cord.
- Unplug the unit from the power source before cleaning, maintenance, or when not in use.
- Keep the unit and its accessories out of reach of children.
- Use only with the specified voltage (110 Volts).
- This is an ESD Safe Unit, designed to protect sensitive electronic components from electrostatic discharge.

2. Setup

Follow these steps for initial setup of your Aoyue 888A station:

1. Unpack all components from the packaging and verify against the package list below.
2. Place the main station on a stable, heat-resistant, and non-flammable surface.
3. Connect the soldering iron to its designated 5-pin port on the front panel.
4. Connect the hot air gun to its designated port on the front panel.
5. Place the hot air gun securely in its holder and the soldering iron in its stand.
6. Ensure the main power switch on the front panel is in the OFF position before connecting the power cord to a grounded electrical outlet.



Image: The Aoyue 888A main station with the hot air gun and soldering iron connected, along with included accessories.

Package List

- Aoyue 888A station with integrated hot air gun
- 60 Watt Soldering iron with Silicone Cord
- Hot air gun holder
- 10 Soldering iron tips (T-B, T-LB, T-0.8D, T-1.2D, T-1.6D, T-2.4D, T-1C, T-0.5C, T-I (one installed in soldering iron))
- IC popper
- 3 Air nozzles (1194, 1195, 1198)
- Instruction Manual
- Power cord

Note: Solder is not included with this package.

3. Operating Instructions

Power On/Off

Flip the main power switch located on the front panel to the 'ON' position. The digital displays for both hot air and soldering iron temperatures will illuminate. To power off, flip the switch to 'OFF'. Ensure the hot air gun has completed its cool-off cycle before powering off the unit.

Soldering Iron Operation



Image: The 60 Watt soldering iron included with the Aoyue 888A station.

- **Temperature Adjustment:** Use the dedicated 'SOLDERING IRON TEMPERATURE' knob to set the desired temperature. The digital display will show both the set temperature and the actual tip temperature.
- **Tip Replacement:** Always allow the soldering iron to cool completely before attempting to change tips. Unscrew the retaining nut, carefully remove the old tip, and insert the new tip. Ensure it is securely fastened.
- **Digital Calibration:** The unit features a digital calibration function for precise temperature control. Refer to the specific calibration procedure in the full manual for detailed steps.
- **Adjustable Sleep Timer:** The soldering iron includes an adjustable sleep timer. This feature automatically lowers the tip temperature after a period of inactivity, conserving tip life and energy.



Image: A selection of the 10 included soldering iron tips, demonstrating various shapes for different applications.

Hot Air Gun Operation



Image: The hot air gun component of the Aoyue 888A station, marked as ESD Safe.

- **Temperature Adjustment:** Use the 'HOT AIR TEMPERATURE' knob to set the desired hot air temperature. The digital display will show both the set temperature and the actual air temperature.

- **Airflow Adjustment:** Use the 'AIR FLOW' knob to control the volume of air output from the hot air gun.
- **Nozzle Replacement:** Allow the hot air gun to cool before changing nozzles. Select the appropriate nozzle for your task and firmly press it onto the gun's outlet.
- **Auto Cool-off Process:** After use, place the hot air gun back into its holder. The unit will automatically initiate a cool-off process, where the blower continues to run until the nozzle is cool. This prolongs the life of the heating element and ensures safety. Do not power off the unit until this cycle is complete.
- **Heating Core Monitoring:** The microprocessor-controlled hot air heating core system includes self-testing capabilities, warning the user when aging or breakdown of the heating core occurs.

4. Maintenance

Regular maintenance ensures the longevity and optimal performance of your station.

- **Soldering Tips:** Clean soldering iron tips regularly with a damp sponge or brass wool to remove oxidation and solder residue. Always tin the tip with a small amount of solder before storing to prevent oxidation.
- **Hot Air Nozzles:** Ensure hot air nozzles are free from debris or solder splatter. Clean gently with a non-abrasive tool if necessary, only when the unit is cool and unplugged.
- **General Cleaning:** Wipe the exterior of the unit with a soft, dry cloth. Do not use abrasive cleaners, solvents, or immerse any part of the unit in liquid.
- **Heating Element Check:** The hot air heating core system's self-testing function will alert you to potential issues. If warnings appear, refer to the troubleshooting section or contact support.

5. Troubleshooting

This section addresses common issues you might encounter with your Aoyue 888A station.

Problem	Possible Cause	Solution
Soldering Iron Not Heating	<ul style="list-style-type: none"> • Unit not powered on • Temperature set too low • Tip not properly installed • Faulty heating element/iron 	<ul style="list-style-type: none"> • Check power switch and connections • Increase temperature setting • Ensure tip is securely fastened • Contact support if issue persists
Hot Air Gun Not Heating / Low Airflow	<ul style="list-style-type: none"> • Unit not powered on • Temperature/airflow set too low • Nozzle blocked • Heating core issue • Unit powered off during cool-off 	<ul style="list-style-type: none"> • Check power switch and connections • Adjust temperature and airflow knobs • Inspect and clear nozzle • Allow auto cool-off to complete before powering off • Contact support if heating core warning appears

Problem	Possible Cause	Solution
Inaccurate Temperature Readings	<ul style="list-style-type: none"> • Calibration required • Sensor issue 	<ul style="list-style-type: none"> • Perform digital calibration as per full manual instructions • Contact support if calibration does not resolve the issue

6. Specifications

Brand	Aoyue
Model	888A
Power Source	110 Volts
Total Wattage	500 watts
Soldering Iron Wattage	60 watts
Temperature Stability	±2 degrees Celsius
Upper Temperature Rating	480 Degrees Celsius
Display Type	LCD
Item Weight	5.75 pounds (approximately 2.61 kg)
Product Dimensions	11 x 11 x 8 inches (approximately 27.94 x 27.94 x 20.32 cm)
Material	Steel
Color	Black
ESD Safe	Yes
Certifications	CE, RoHS Compliant

7. Warranty

The Aoyue 888A 2 in 1 Digital Hot Air Rework and Soldering Station is covered by a **1-Year Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use.

For specific terms and conditions, or to initiate a warranty claim, please refer to the warranty information included in your product packaging or contact Aoyue customer support directly.

Extended protection plans may be available from authorized retailers at the time of purchase.

8. Support

For technical assistance, replacement parts, or any questions regarding the operation and maintenance of your Aoyue 888A station, please contact Aoyue customer support.

Please have your product model number (888A) and purchase date available when contacting support.

