

AIFEN A9E

AIFEN A9E Soldering Station User Manual

Model: A9E
Brand: AIFEN

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your AIFEN A9E Soldering Station. Please read this manual thoroughly before using the device to ensure proper function and to prevent damage or injury. Keep this manual for future reference.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent electric shock, fire, or personal injury:

- Ensure the power supply voltage matches the requirements specified on the device.
- Do not operate the soldering station in damp or wet conditions.
- The soldering iron tip reaches very high temperatures. Avoid direct contact with skin or flammable materials.
- Use the soldering station in a well-ventilated area to avoid inhaling fumes from solder.
- Always place the soldering iron in its stand when not in use.
- Disconnect the power cord before cleaning or performing maintenance.
- Keep out of reach of children.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- AIFEN A9E Soldering Station Host
- Soldering Iron Handle (compatible with 115/210/245 series tips)
- Soldering Iron Tips (typically 3 included: e.g., knife, chisel, pointed)
- Power Cord
- Copper Wire Cleaning Ball
- Cleaning Sponge
- User Manual (this document)



Figure 3.1: AIFEN A9E Soldering Station with its handle and three interchangeable soldering tips.

4. PRODUCT OVERVIEW

Familiarize yourself with the components of the AIFEN A9E Soldering Station:

AIFEN-A9€



Figure 4.1: Key components of the AIFEN A9E Soldering Station.

HUB: Connection point for the soldering iron handle.

Temperature Unit Display: Shows the selected temperature unit (e.g., °C).

Setting Key: Button for entering settings menu.

Soldering Iron Tip Pull-out Box: Storage for soldering tips.

Actual Temperature Display: Shows the current temperature of the soldering iron tip.

Power Progress Bar: Indicates heating status.

Save Button (CH1, CH2, CH3): Buttons to save and recall temperature presets.

Temperature Adjustment Button (TEMP): Buttons for increasing or decreasing temperature.

Aluminum Bracket: Holder for the soldering iron handle.

Copper Wire Cleaning Ball: Used for dry cleaning of soldering tips.

Cleaning Sponge: Used for wet cleaning of soldering tips.

Handle: The soldering iron handle.

5. SETUP

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Placement:** Place the soldering station on a stable, heat-resistant surface in a well-ventilated area.
3. **Connect Handle:** Insert the soldering iron handle connector firmly into the HUB port on the soldering station.
4. **Insert Tip:** Select the desired soldering tip and insert it into the soldering iron handle. Ensure it is securely seated.
5. **Power Connection:** Connect the power cord to the soldering station and then plug it into a suitable AC110-220V, 50/60Hz power outlet.

6. OPERATION

6.1 Power On/Off

Press the power button (if available, otherwise plugging in powers it on) to turn on the soldering station. The display will illuminate, showing the current temperature and settings. To turn off, disconnect the power cord or use the power button.

6.2 Temperature Adjustment

Use the “TEMP” adjustment buttons to increase or decrease the desired temperature. The A9E station features rapid heating, reaching operating temperature in approximately two seconds, and fast temperature recovery.

AIFEN-A9E

TWO SECONDS TO HEAT UP

ONE SECOND TO RETURN TEMPERATURE

COMPATIBLE WITH 210 /115/245 HANDLES

UNIVERSAL HANDLE, EASY TO REPLACE

Equipped Three Soldering tips



Figure 6.1: The AIFEN A9E features rapid heating and temperature recovery.

6.3 Using Memory Presets (CH1, CH2, CH3)

The A9E station allows you to store and recall up to three different temperature settings. To save a temperature:

1. Adjust the temperature to your desired value.
2. Press and hold one of the “CH1”, “CH2”, or “CH3” buttons until the display confirms the setting is saved.

To recall a saved temperature, simply press the corresponding “CH1”, “CH2”, or “CH3” button.

AIFEN-A9E



MAX POWER:160W

THREE MEMORY STORAGE KEYS

TEMPERATURE RANGE:100°C~450°C



Figure 6.2: The AIFEN A9E features three memory storage keys for temperature presets.

6.4 Tip Compatibility

The AIFEN A9E Soldering Station is compatible with C115, C210, and C245 series soldering iron tips and handles, offering versatility for various soldering tasks.

AIFEN-A9€

Compatible with 115/210/245 handles

Universal handle, easy to replace



Figure 6.3: The A9E station supports various handle and tip types.

AIFEN-A9E

T210

210-3tips



Figure 6.4: Example of T210 series soldering tips.

7. MAINTENANCE

7.1 Tip Cleaning

Regular cleaning of the soldering tip is crucial for optimal performance and longevity.

- **Copper Wire Cleaning Ball:** Use the copper wire cleaning ball for dry cleaning to remove excess solder and oxidation. This method helps preserve the tip's plating.
- **Cleaning Sponge:** Dampen the cleaning sponge with distilled water (do not use tap water as minerals can damage tips). Wipe the hot tip on the sponge to clean.

7.2 Tip Replacement

To replace a soldering tip:

1. Ensure the soldering iron is cool or use a heat-resistant tool to handle the hot tip.
2. Gently pull the old tip out of the handle.

3. Insert the new tip firmly into the handle until it is fully seated.

7.3 General Cleaning

Wipe the exterior of the soldering station with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure the device is unplugged before cleaning.

8. TROUBLESHOOTING

- **No Power:** Check the power cord connection to both the station and the wall outlet. Ensure the outlet is functional.
- **Tip Not Heating:** Verify the soldering iron handle is securely connected to the HUB. Ensure the tip is correctly inserted into the handle. If the issue persists, the tip or handle may need replacement.
- **Inaccurate Temperature Reading:** Ensure the tip is clean and properly seated. If the problem continues, contact support.
- **Solder Not Melting:** Increase the set temperature. Ensure the tip is clean and properly tinned.

9. SPECIFICATIONS

Feature	Specification
Model	A9E
Manufacturer	AIFEN/SUGON
Max Power	160W
Input Voltage	AC110-220V, 50/60Hz
Temperature Range	100°C - 450°C
Compatible Tips	C115, C210, C245, C470 series
Host Weight	0.87 kg
Dimensions (L x W x H)	140mm x 135mm x 120mm
Country of Origin	China

AIFEN-A9€

HOST WEIGHT:0.87KG



Figure 9.1: Physical dimensions of the AIFEN A9E Soldering Station.

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided at the point of purchase or contact your retailer. Keep your purchase receipt as proof of purchase.

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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

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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