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Weller WE1010NA

Weller WE1010NA Digital Soldering Station

INSTRUCTION MANUAL

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1. Product Overview

The Weller WE1010NA Digital Soldering Station is a high-performance tool designed for both vocational and professional soldering applications. This 70-watt station offers rapid heat-up times and precise temperature control, ensuring efficient and consistent soldering results. It is an ideal solution for various electronic repair, assembly, and hobbyist projects.



Figure 1: The complete Weller WE1010NA Digital Soldering Station, including the main unit, soldering iron, and safety rest with cleaning sponge.

- Up to 900° F to handle many projects
- Replaceable heating element
- Variable power control dial
- Quality, lightweight pencil iron



Weller®

Digital Soldering Station

Figure 2: An overview of the Weller Digital Soldering Station, emphasizing its capabilities such as reaching up to 900°F, having a replaceable heating element, variable power control, and a quality, lightweight pencil iron.

2. Safety Information

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Always ensure proper ventilation when operating the soldering station. Avoid direct contact with hot surfaces and molten solder. Use appropriate personal protective equipment, including safety glasses and heat-resistant gloves.

Always place the soldering iron in its safety rest when not in use. Do not leave the soldering station unattended while powered on. Disconnect from power supply before cleaning or maintenance.

3. Setup Instructions

Before operating your Weller WE1010NA Digital Soldering Station, ensure all components are present and properly connected.

3.1 Unpacking and Component Check

Verify that your package includes the following items:

- One (1) WE1 Station 120V
- One (1) WEP70 Tip Retainer
- One (1) WEP70 Iron
- PH70 Safety Rest with Sponge
- One (1) ETA Tip 0.062inch/1.6 millimeter Screwdriver

3.2 Connecting the Soldering Iron

1. Connect the WEP70 soldering iron cable to the designated port on the front of the WE1 station. Ensure the connection is secure.
2. Place the PH70 safety rest on a stable, heat-resistant surface near your workspace.
3. Insert the WEP70 iron into the spring holder of the PH70 safety rest when not in active use.



Figure 3: Front view of the WE1010NA station, showing the connection port for the soldering iron.



Figure 4: Rear view of the WE1010NA station, showing the power input.



Figure 5: The PH70 safety rest with its integrated cleaning sponge.

4. Operating Instructions

The Weller WE1010NA is designed for user-friendly operation with precise temperature control.

4.1 Powering On and Temperature Adjustment

1. Plug the power cord into a suitable 120V AC outlet.
2. Flip the power switch on the front panel to the 'ON' position. The LCD display will illuminate.
3. Use the rotary knob to set your desired soldering temperature. The station features temperature stability of $\pm 4^{\circ}\text{F}$ ($\pm 2^{\circ}\text{C}$) and a temperature lock function to protect tips and components, ensuring consistent, high-quality results.
4. Allow the iron to heat up to the set temperature. The digital display will show the current temperature.

4.2 Soldering Techniques

The WEP70 iron is easy to handle, featuring a heat-resistant silicon cable for safe operation. Apply solder to the joint, allowing the heat from the iron to melt the solder and create a strong connection.

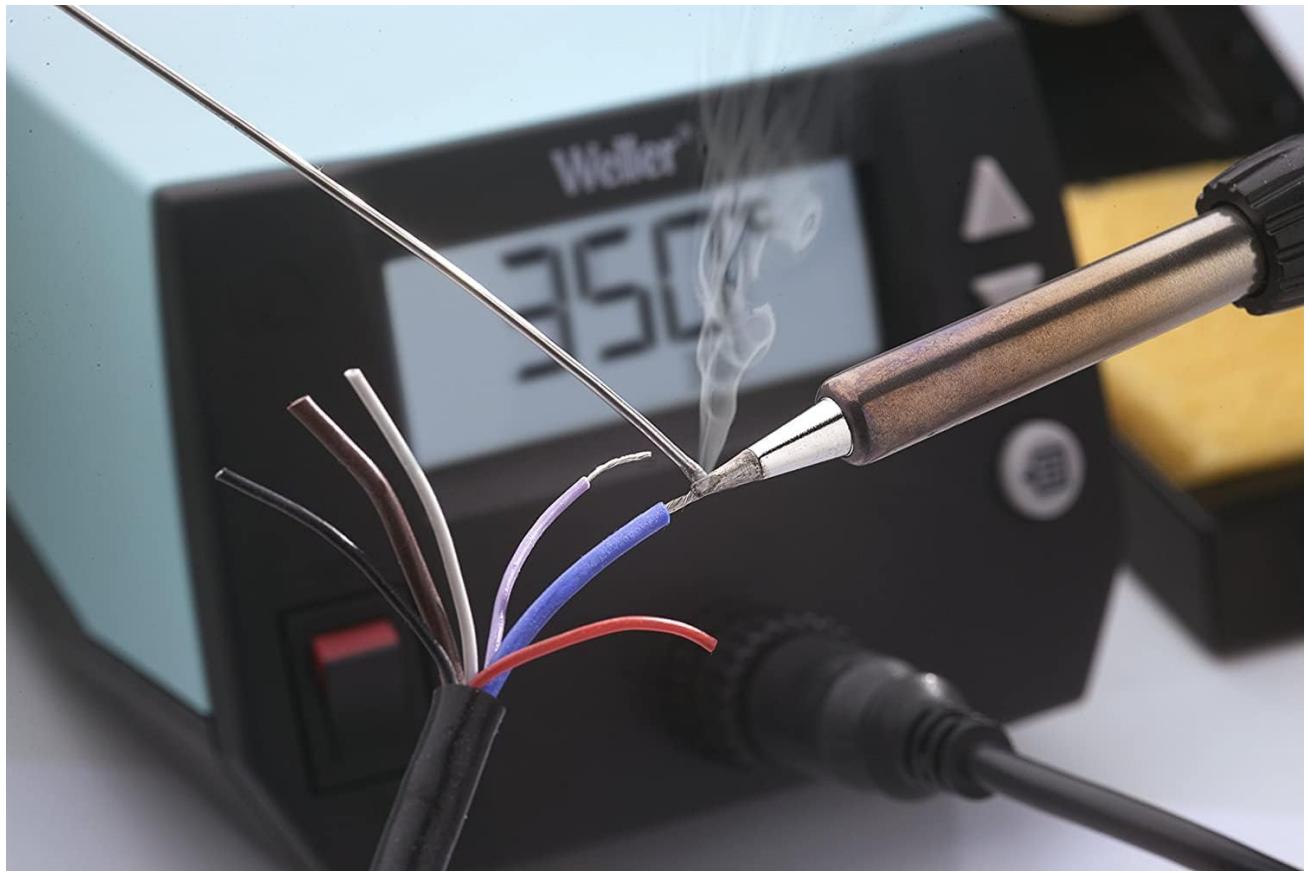


Figure 6: Soldering wires with the Weller WE1010NA station.

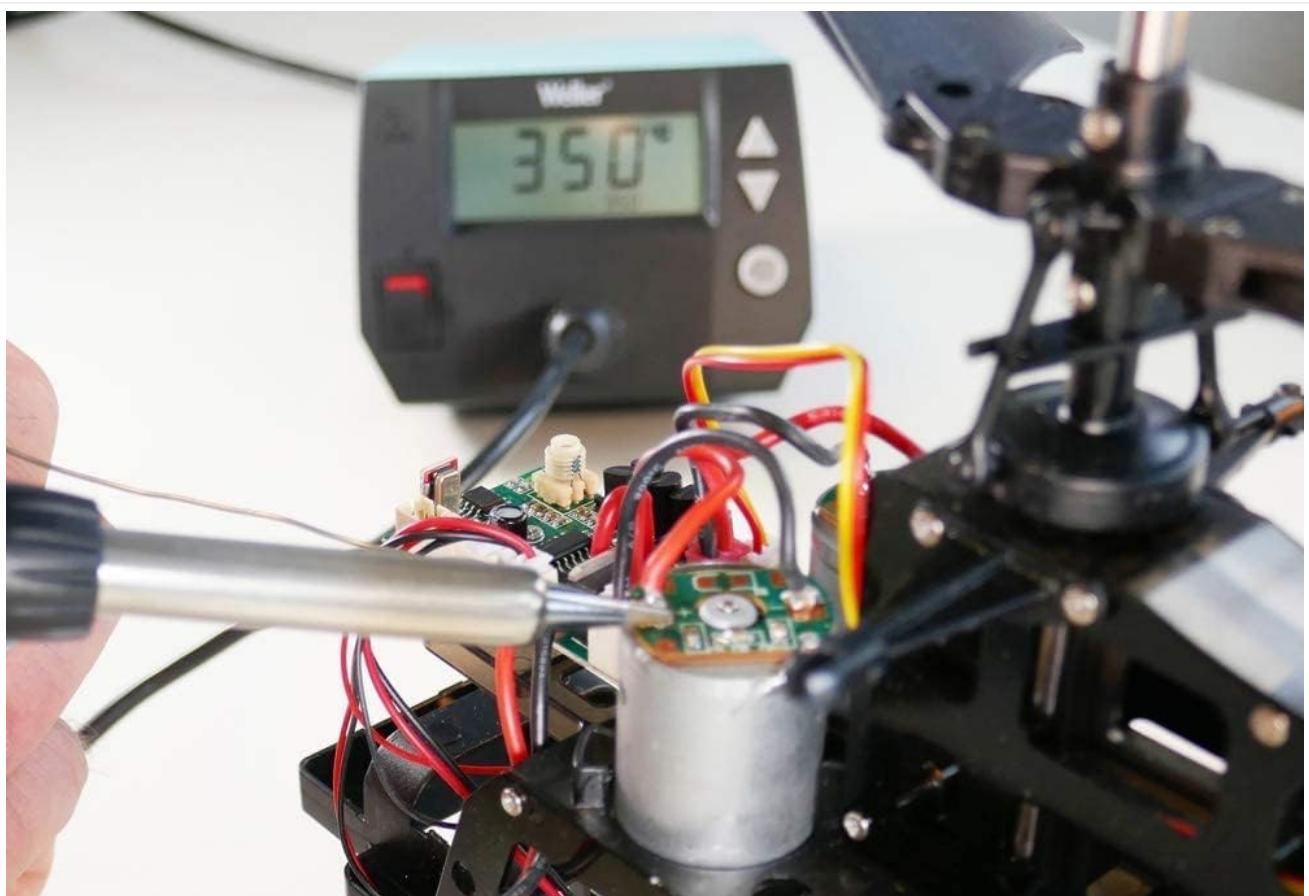


Figure 7: Precision soldering on a small circuit board.

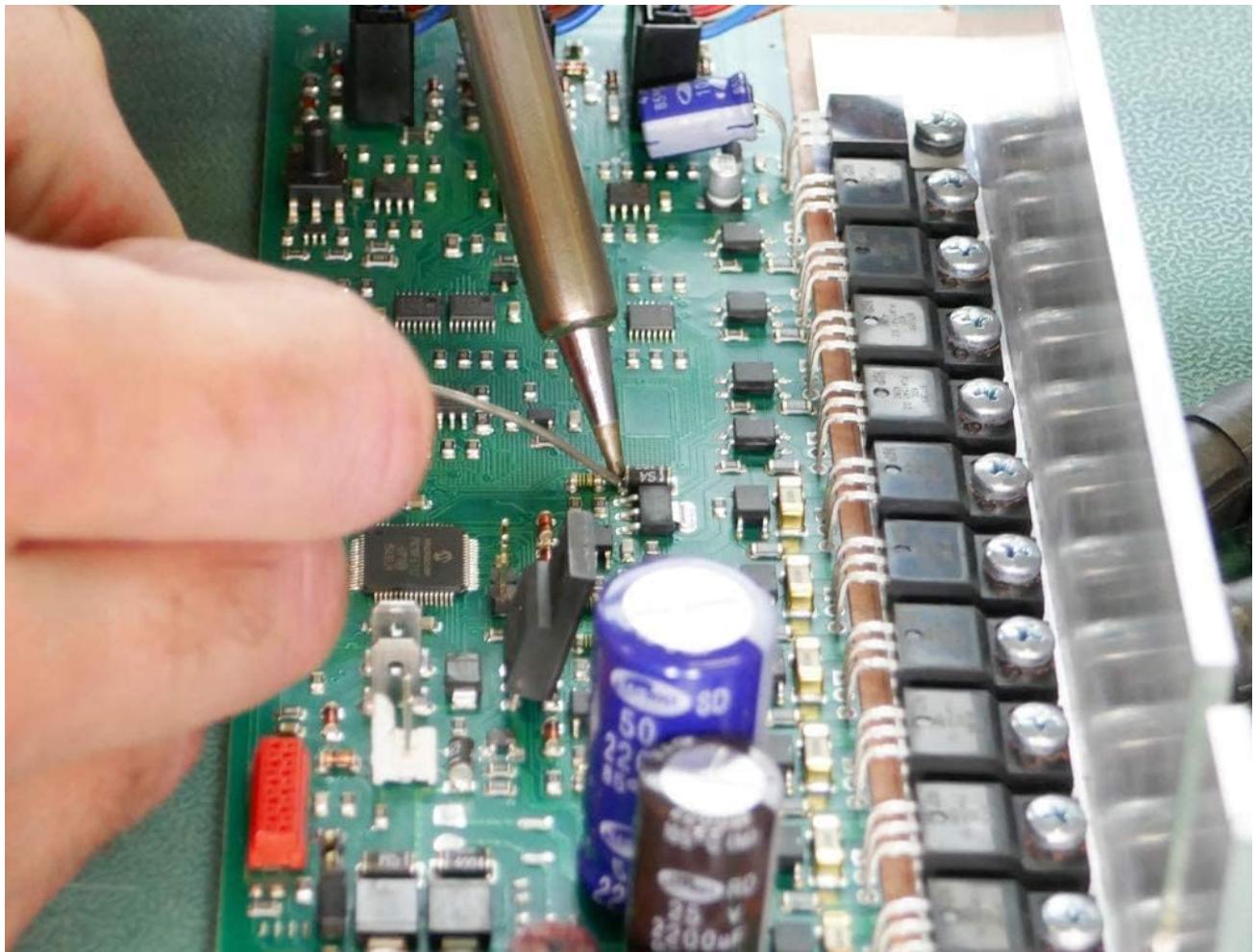


Figure 8: Soldering on a larger, more complex circuit board.

4.3 Advanced Features

The WE1010NA station includes advanced features such as intuitive navigation, a Standby mode, and auto setback to conserve energy. Password-protection is also available to preserve settings and prevent unauthorized changes.

5. Maintenance

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

5.1 Tip Cleaning and Replacement

- Always clean the soldering tip regularly using the included sponge (dampened with distilled water) or a brass wool cleaner.
- The WEP70 iron features a replaceable heating element and interchangeable tips. To replace a tip, ensure the iron is cool and powered off. Unscrew the tip retainer, remove the old tip, insert the new tip, and re-secure the retainer.

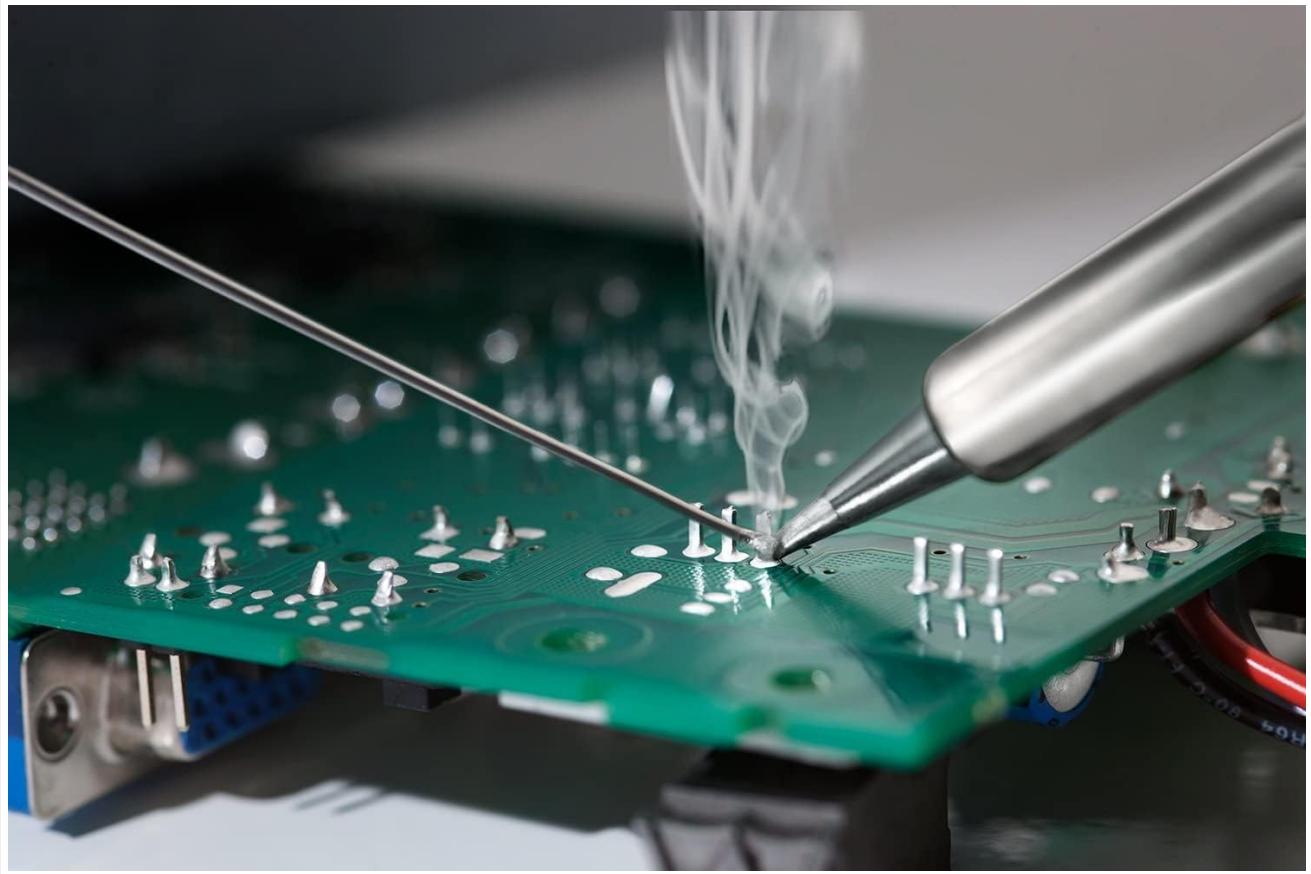


Figure 9: Available ET soldering tip types and their specifications.

5.2 General Care

- Keep the station and iron clean and free from solder debris.
- Store the unit in a dry, dust-free environment when not in use.

6. Troubleshooting

This section provides solutions to common issues you might encounter with your Weller WE1010NA Digital Soldering Station.

6.1 Iron Not Heating Up

- Ensure the power switch is in the 'ON' position and the station is plugged into a live outlet.
- Check that the soldering iron cable is securely connected to the station.
- Verify the temperature setting on the display. Increase if necessary.
- If the issue persists, the heating element or tip may need replacement. Refer to Section 5.1.

6.2 Inconsistent Temperature

- Ensure the tip is clean and properly seated. A dirty or loose tip can affect heat transfer.
- Check for any error codes on the display. Consult the full user manual for specific code meanings.
- Avoid placing the iron in drafts or near cooling fans during operation.

7. Technical Specifications

Feature	Specification
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Model Number	WE1010NA
Wattage	70 watts
Voltage	120 Volts
Display Type	LCD
Number of Channels	1
Temperature Stability	+/- 4°F (2°C)
Upper Temperature Rating	400°F (approx. 204°C)
Item Weight	5.51 pounds
Product Dimensions	5.91"D x 4.92"W x 3.94"H
Material	Plastic
Power Source	AC/DC
Usage	Professional

8. Warranty & Support

8.1 Warranty Information

The Weller WE1010NA Digital Soldering Station comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product meets Weller's high-quality standards. Please retain your proof of purchase for warranty claims.

8.2 Additional Resources

For a more detailed user guide and further support, please refer to the official PDF manual available online:

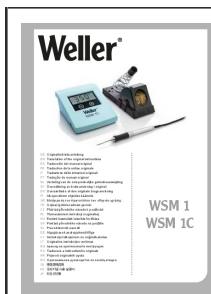
[Download User Manual \(PDF\)](#)

You can also visit the official Weller Store for product information and accessories:

[Visit the Weller Store](#)

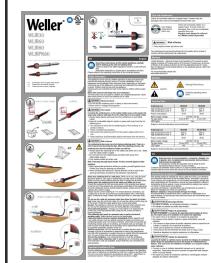
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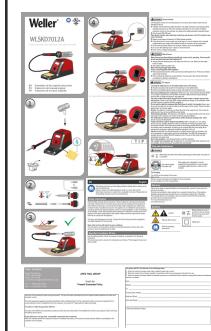
[Weller WSM 1 / WSM 1C Soldering Station User Manual](#)

Comprehensive user manual for Weller WSM 1 and WSM 1C soldering stations, detailing operation, safety, and technical specifications. Available in multiple languages.



[Weller WLIR Series Soldering Irons: User Manual & Technical Specifications](#)

Comprehensive guide to Weller WLIR30, WLIR60, WLIR80, and WLIRPK80 soldering irons, covering safety, operation, maintenance, and technical data. Learn about features and specifications.



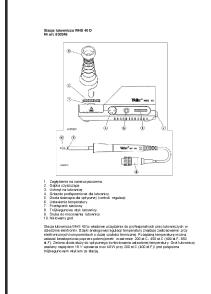
[Weller WLSKD7012A Soldering Station: Operating Instructions and Safety Guide](#)

Official operating instructions for the Weller WLSKD7012A soldering station. Includes detailed safety warnings, technical specifications, startup procedures, menu options, calibration, care, and warranty information.



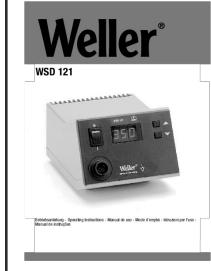
[Weller WT 2M Soldering Station - User Manual and Operating Guide](#)

Comprehensive user manual and operating guide for the Weller WT 2M digital soldering station. Covers setup, features, safety, and technical specifications. Available in multiple languages.



[Weller WHS 40 D Soldering Station: Analog Control, 40W, 200-450°C - Specs & Operation](#)

Explore the Weller WHS 40 D analog soldering station. Features 40W power, adjustable temperature from 200-450°C, integrated cleaning sponge, and LED indicator. Ideal for professional electronics soldering.



[Weller WSD 121 Soldering Station - Operating Instructions](#)

Comprehensive operating instructions and technical specifications for the Weller WSD 121 digital soldering station, covering setup, features, technical data, accessories, and maintenance. Includes multilingual content merged into English.

