

[Manuals.plus](#) /

› [Weller](#) /

› Weller D550PK Professional Soldering Gun Kit User Manual

Weller D550PK

Weller 260 Watt & 200W Professional Soldering Gun Kit

Model: D550PK | Brand: Weller

INTRODUCTION

The Weller D550PK Professional Soldering Gun Kit is a versatile and powerful tool designed for various soldering and brazing applications. This dual-heat gun offers 260 or 200 watts of power, making it suitable for both delicate and heavy-duty tasks. Its rapid heat-up time ensures efficiency, while the ergonomic design provides comfortable and precise operation.



Figure 1: The Weller D550PK Professional Soldering Gun Kit, including the gun, various tips, and accessories, neatly organized within its durable carrying case.

What's Included

Your Weller D550PK kit comes complete with the following components:

- D550 Soldering Gun (120-volt)
- Soldering Tip (1)
- Smoothing Tip (1)
- Cutting Tip (1)
- Flux Brush

- Soldering Aid Tool
- Coil of Lead-Free Solder
- Blow-Molded Carrying Case



Figure 2: Included accessories: various tips, a flux brush, and a soldering aid tool, designed for different soldering tasks.

KEY FEATURES

- **Professional Heavy-Duty Gun:** Built for durability and consistent performance in demanding applications.
- **Dual-Heat Wattage:** Provides selectable output of 260 watts (first trigger position) or 200 watts (second trigger position) for versatile use.
- **Pistol Grip Design:** Ergonomically designed for comfortable handling and precise control during operation.
- **Rapid Heat-Up:** Ready to use in approximately 6 seconds, minimizing waiting time and increasing efficiency.
- **Twin Lights:** Integrated lights illuminate the work area, enhancing visibility and accuracy.
- **Heavy Gauge, High Efficiency Tip:** Features a tin-plated copper tip for optimal heat transfer and longevity.

FRONT-FACING LEDs

Provide bright illumination
on both sides of the tip

FAST HEATING

Reaches full heat in just 6 seconds



ACCESSORIES SET

Includes the necessary accessories
for professional quality work

Figure 3: Visual representation of the soldering gun's key features, including its front-facing LEDs for illumination and rapid heating capability.

SETUP

1. **Unpack the Kit:** Carefully remove all components from the blow-molded carrying case.
2. **Select the Appropriate Tip:** Choose the desired tip (soldering, smoothing, or cutting) based on your task. Ensure the tip is securely fastened.
3. **Connect to Power:** Plug the soldering gun into a standard 120-volt AC power outlet.
4. **Prepare Work Area:** Ensure your work area is well-ventilated and free from flammable materials. Have your solder and any necessary tools ready.



Figure 4: The soldering gun ready for use, illustrating its corded electric power source and comfortable pistol grip.

OPERATING INSTRUCTIONS

1. **Power On:** Once plugged in, the gun is ready. The twin lights will illuminate your work area when the trigger is pressed.
2. **Select Heat Output:**
 - Press the trigger to the **first position** for 200 watts of heat (low output).
 - Press the trigger fully to the **second position** for 260 watts of heat (high output).
3. **Apply Solder:** Touch the heated tip to the joint you wish to solder. Once the joint is hot enough, apply solder to the joint, not directly to the tip. The solder should flow smoothly into the joint.
4. **Cool Down:** Release the trigger to turn off the heat. Allow the tip to cool before storing the gun.



Figure 5: The soldering gun actively melting solder on a circuit board, demonstrating its effectiveness in practical applications.

- **Tip Cleaning:** Regularly clean the soldering tip using a damp sponge or brass wool to remove excess solder and oxidation. A clean tip ensures efficient heat transfer.
- **Tip Replacement:** Replace tips when they become pitted, corroded, or no longer hold solder effectively. Use only genuine Weller replacement tips.
- **Storage:** Always store the soldering gun in its carrying case after it has completely cooled down. This protects the tool and its accessories from damage.
- **Cord Inspection:** Periodically inspect the power cord for any signs of damage, fraying, or cuts. Do not use the tool if the cord is damaged.



Figure 6: A detailed view of the soldering gun's tip, emphasizing the importance of regular cleaning and proper care for optimal performance.

TROUBLESHOOTING

If you encounter issues with your Weller D550PK soldering gun, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Gun does not heat up.	Not plugged in, faulty outlet, damaged cord, or worn tip.	Check power connection, try a different outlet, inspect cord, replace tip if necessary.
Solder does not melt or flow properly.	Tip is dirty/oxidized, incorrect heat setting, or improper solder application.	Clean tip thoroughly, ensure correct wattage is selected, apply solder to the heated joint.
Lights are dim or not working.	Worn out bulbs (if applicable) or internal wiring issue.	Contact Weller customer support for assistance.

For a comprehensive guide, please refer to the official[Troubleshooting Guide \(PDF\)](#).

SPECIFICATIONS

Attribute	Detail
Brand	Weller
Model Number	D550PK
Specific Uses For Product	Soldering
Power Source	Corded Electric
Wattage	200W / 260W (Dual Heat)
Special Feature	Portable
Handle Material	Plastic
Item Length	12 Inches
Upper Temperature Rating	1100 Degrees Fahrenheit
Item Weight	4.29 pounds
Country of Origin	Mexico
UPC	037103475428

WARRANTY AND SUPPORT

The Weller D550PK Professional Soldering Gun Kit is backed by a **Limited Lifetime Warranty**, ensuring long-term reliability and peace of mind. This warranty covers defects in material and workmanship under normal use. For technical support, warranty claims, or additional product information, please visit the official[Weller Store](#) or contact Weller customer service directly.

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