

Parkside B07HHZRYCS

Parkside Adjustable Soldering Station Set

USER MANUAL

1. Introduction

This manual provides essential information for the safe and efficient operation of your Parkside Adjustable Soldering Station Set. This compact soldering station is designed for universal use in electronics, model making, and various hobby applications. It features an adjustable temperature range and an ergonomic soldering iron with interchangeable tips.

Please read these instructions thoroughly before first use and keep them for future reference.

2. Safety Instructions

WARNING: Always observe basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and personal injury.

- Ensure the power supply voltage matches the rating on the soldering station.
- Use the soldering station in a well-ventilated area to avoid inhaling fumes.
- The soldering iron tip becomes extremely hot (100-500°C). Avoid direct contact with skin or flammable materials.
- Always place the soldering iron in its holder when not in use.
- Wear appropriate personal protective equipment, including safety glasses and heat-resistant gloves.
- Do not operate the soldering station if the power cord or plug is damaged.
- Keep children and unauthorized persons away from the work area.
- Disconnect the power plug from the outlet before cleaning or maintenance.

3. Package Contents

Carefully unpack all items and check for completeness and damage. If any parts are missing or damaged, contact customer support.

- Soldering Station with integrated holder

- Soldering Iron (48W) with soft grip
- Soldering Sponge
- Interchangeable Soldering Tips (1x round shape, 1x flat shape)
- Replacement Soldering Tip (1x flat shape)
- Electronic Solder Wire (2 spools, 10g each, 1.5mm/1.0mm thickness)



Image 3.1: Included solder wire spools and a flat soldering tip. The image shows two blue spools of solder wire and a single flat soldering tip.

4. Setup

1. **Position the Soldering Station:** Place the soldering station on a stable, heat-resistant, and non-flammable surface in a well-ventilated area.
2. **Connect the Soldering Iron:** Plug the soldering iron cable securely into the designated port on the soldering station.
3. **Insert Soldering Sponge:** Moisten the included soldering sponge with water and place it in the designated compartment on the station. The sponge is used to clean the soldering tip.
4. **Connect to Power:** Plug the station's power cable into a suitable 230V ~ 50Hz electrical outlet.



Image 4.1: The Parkside Soldering Station with its connected soldering iron and holder. The compact station is green and black, with a red power button and a yellow sponge compartment.

5. Operating Instructions

5.1. Power On/Off

- To turn on the soldering station, press the power switch located on the station. The indicator light will illuminate.
- To turn off the soldering station, press the power switch again. The indicator light will turn off.

5.2. Temperature Adjustment

- The soldering station features an adjustable temperature range from approximately 100°C to 500°C.
- Use the temperature control knob on the station to set the desired temperature. Refer to your solder wire specifications for recommended soldering temperatures.
- Allow a few minutes for the soldering iron to reach the set temperature.

5.3. Soldering Process

1. **Prepare the Workpiece:** Ensure the components and circuit board pads are clean and free of oxidation.
2. **Tin the Tip:** Before first use and periodically during operation, clean the soldering tip on the moist sponge and apply a small amount of solder to "tin" it. This improves heat transfer.
3. **Apply Heat:** Place the hot soldering tip against both the component lead and the circuit board pad simultaneously.
4. **Apply Solder:** After a second or two, touch the solder wire to the junction of the tip and the workpiece. The solder should melt and flow smoothly, forming a shiny, conical joint. Do not apply solder directly to the iron tip.
5. **Remove Solder and Iron:** Remove the solder wire first, then lift the soldering iron away from the joint. Allow the joint to cool undisturbed.
6. **Clean the Tip:** After each soldering session, clean the tip on the moist sponge and re-tin it before placing the iron back in its holder.



Image 5.1: A person demonstrating the use of the Parkside Soldering Station for intricate electronics work on a circuit board. The soldering iron is held precisely, and the station is visible on the workbench.

6. Maintenance

6.1. Cleaning the Soldering Tip

- Regularly clean the soldering tip using the moist sponge provided. This removes excess solder and oxidation, ensuring efficient heat transfer.
- For stubborn residue, use a brass wire cleaner (not included) or a tip tinner/cleaner compound.

6.2. Replacing the Soldering Tip

- Ensure the soldering iron is cool and disconnected from power before attempting to change the tip.
- Unscrew the retaining nut or collar that holds the tip in place.
- Carefully remove the old tip and insert the new tip, ensuring it is fully seated.
- Secure the retaining nut or collar.

6.3. Cleaning the Station

- Wipe the exterior of the soldering station with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Ensure no liquids enter the internal components of the station.

7. Troubleshooting

Problem	Possible Cause	Solution
Soldering iron not heating up.	Power switch off; loose connection; faulty heating element.	Ensure power switch is on; check all cable connections; contact support if element is faulty.
Solder not melting or poor joints.	Temperature too low; oxidized tip; incorrect solder type.	Increase temperature; clean and tin the tip; use appropriate solder for electronics.
Excessive smoke during soldering.	Poor ventilation; flux burning off too quickly.	Ensure adequate ventilation; use less solder or lower temperature if appropriate.

8. Technical Specifications

Brand	Parkside
Model	B07HHZRYCS
Rated Voltage	230 V ~ 50 Hz
Power Consumption	48 W
Temperature Range	100 – 500 °C
Soldering Iron Dimensions (L x W x D)	Approx. 233 x 38 x 38 mm
Station Dimensions (L x W x D)	Approx. 174 x 102 x 80 mm
Cable Length	Approx. 2.85 m (1.85 m power cable for station)
Weight (Soldering iron with stand)	Approx. 789 g

9. Warranty and Support

This Parkside product comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions, including the warranty period and coverage details.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact your retailer or the Parkside customer service department. Keep your proof of purchase for warranty claims.