

LJPXHHU F936

LJPXHHU 80W LCD Adjustable Temperature Soldering Iron Kit User Manual

Comprehensive instructions for the safe and effective use of your LJPXHHU 80W LCD Soldering Iron Kit.

1. SAFETY INFORMATION

Always prioritize safety when using the soldering iron. Failure to follow safety guidelines can result in injury or damage to property.

- **Ventilation:** Use the soldering iron in a well-ventilated area to avoid inhaling fumes from solder and flux.
- **Eye Protection:** Always wear safety glasses to protect your eyes from splashes of molten solder or flux.
- **Burn Hazard:** The soldering iron tip reaches very high temperatures (up to 520°C / 968°F). Avoid direct contact with the tip or heated parts. Allow the iron to cool completely before storing.
- **Proper Handling:** Always place the hot soldering iron in its stand when not in use. Do not leave it unattended.
- **Electrical Safety:** Ensure the power cord is not damaged and is plugged into a suitable 110V US outlet. The integrated ON/OFF switch provides an additional layer of safety.
- **Heat-Resistant Handle:** The soldering iron features a heat-resistant anti-skid handle for comfortable and safe operation.
- **Children and Pets:** Keep the soldering iron and all accessories out of reach of children and pets.

2. PACKAGE CONTENTS

Your LJPXHHU 9-in-1 Soldering Iron Kit includes the following components:

- 1 x 80W LCD Digital Soldering Iron
- 5 x Interchangeable Soldering Tips
- 1 x High Quality Rosin Core Solder Wire (50g)
- 1 x No-Clean Solder Rosin Flux Paste (50g)
- 1 x Simple Soldering Iron Stand
- 1 x Conventional Sponge for tip cleaning



Figure 2.1: All components included in the LJPXHHU 9-in-1 Soldering Iron Kit.

3. PRODUCT FEATURES

The LJPXHHU 80W LCD Soldering Iron Kit is designed with advanced features for efficient and precise soldering:

- **Adjustable Temperature Control:** Features a high-definition LCD screen and +/- buttons for precise temperature adjustment from 180°C to 520°C (356°F to 968°F). Supports °C/°F conversion.
- **Rapid Heating:** Equipped with an 80W high-power superior ceramic heating core, allowing the iron to reach working temperature within 15 seconds.
- **Efficient Heat Dissipation:** Four ventilation holes on the soldering gun and an upgraded steel-pipe design ensure better heat dissipation, protecting the internal components and extending product life.

- **Integrated ON/OFF Switch:** A humanized ON/OFF switch on the power cord enhances convenience and safety during operation.
- **Durable and Comfortable Design:** Features a heat-resistant sheath nut, insulation silicone cover, and a good soft rubber grip for comfortable and long-term use.
- **Versatile Tips:** Includes 5 interchangeable soldering tips suitable for various applications, from fine electronics to general repairs.



Figure 3.1: Key features including LCD display, rapid heating, efficient heat dissipation, and the ON/OFF switch.

LJPXHHU's



High Temperature Resistance and Scald Prevention,
Safety and Durability

Adjustable Temp Button



Accurate Temperature Control to 5 °C
Temperature Range: 180°C~520°C / 356 °F~968 °F



ON/OFF Switch, Safe and Energy Saving

Other's



Melts easily, Unsafe and No Protection



Not accurate & Just can adjust 50°C each time,
easy to ruin your design.



Without switch, unsafe and inconvenience

Figure 3.2: Exploded view and labeled parts of the soldering iron.

How To Soldering

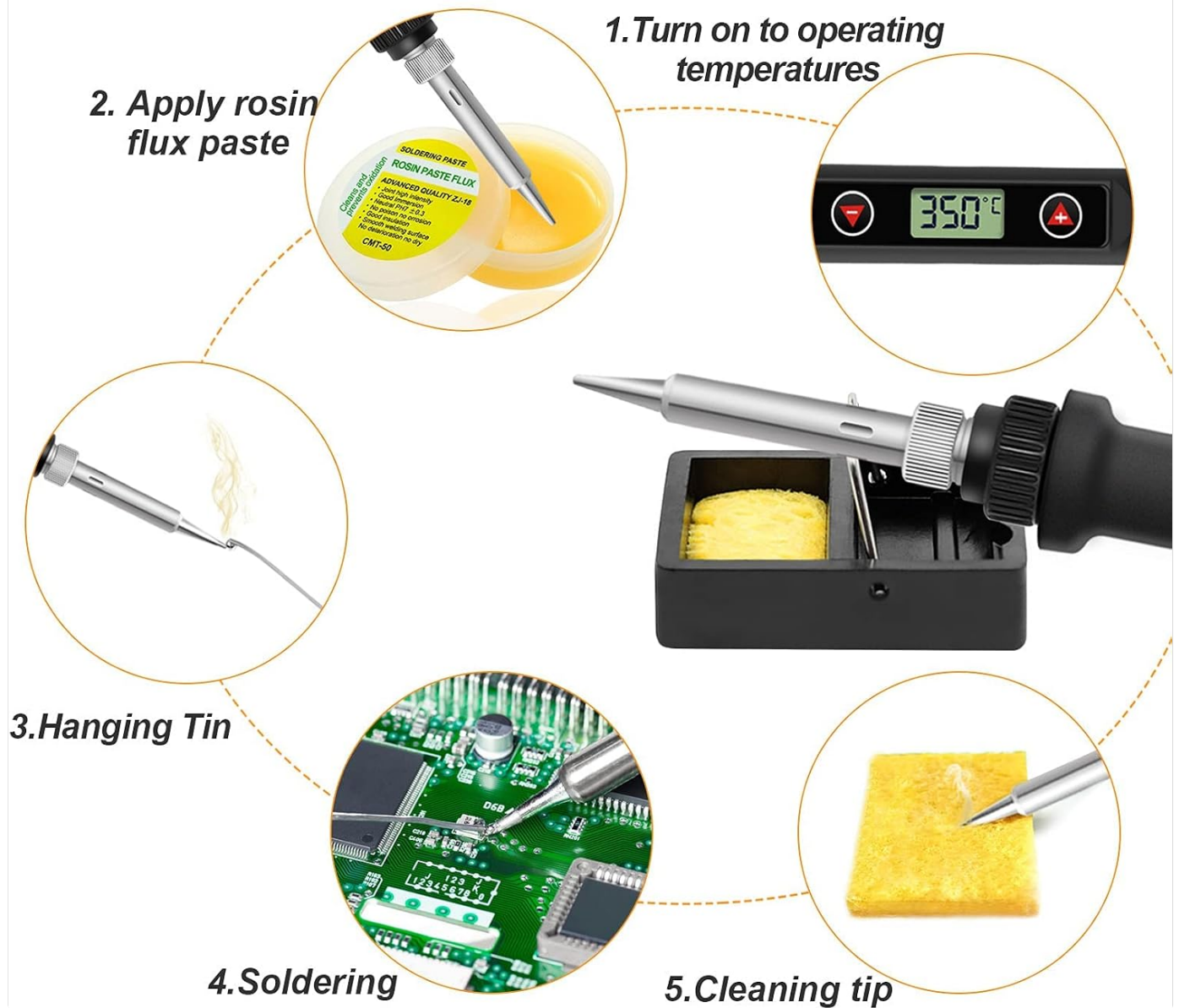
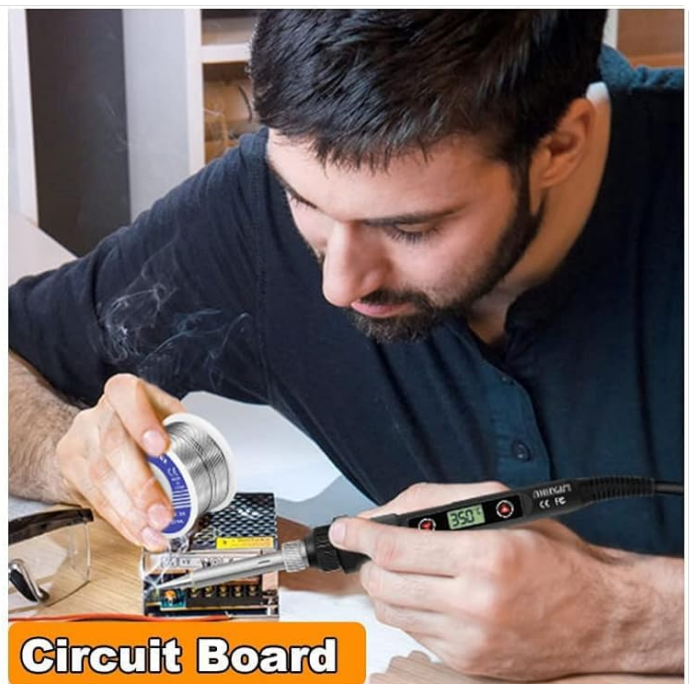


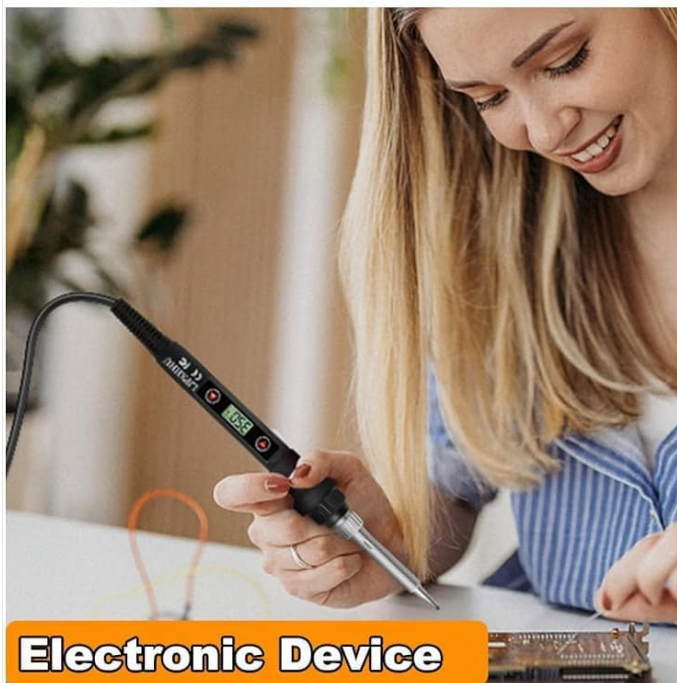
Figure 3.3: Advantages of the LJPXHHU soldering iron's design and features compared to conventional models.



Appliance Repair



Circuit Board



Electronic Device



DIY Hobby

Figure 3.4: The five interchangeable soldering tips included, showing their various sizes and applications.

Product Overview Video

Your browser does not support the video tag.

This video provides a visual overview of the LJPXHHU 80W LCD Soldering Iron Kit, demonstrating its components and key features such as temperature control and quick heating.

4. SETUP

1. **Attach Soldering Tip:** Carefully screw the desired soldering tip onto the heating element of the iron. Ensure it is securely fastened but do not overtighten.
2. **Prepare Soldering Stand:** Place the simple soldering iron stand on a stable, heat-resistant surface.

3. **Wet Sponge:** Lightly dampen the conventional sponge with water and place it in the designated area of the soldering stand. The sponge is used for cleaning the iron tip during operation.
4. **Power Connection:** Plug the soldering iron's power cord into a standard 110V US electrical outlet.

5. OPERATING INSTRUCTIONS

1. **Turn On:** Flip the ON/OFF switch on the power cord to the "ON" position. The LCD screen on the soldering iron will illuminate, displaying the current temperature.
2. **Adjust Temperature:** Use the "+" and "-" buttons on the handle to set your desired temperature. The temperature can be adjusted in 5°C increments. To switch between Celsius (°C) and Fahrenheit (°F), press and hold both "+" and "-" buttons simultaneously.
3. **Pre-heating:** Allow the soldering iron to heat up to the set temperature. The rapid heating core typically reaches the desired temperature within 15 seconds.
4. **Prepare Workpiece:** Ensure the components and circuit board are clean and free of dirt or oxidation. Apply a small amount of rosin flux paste to the area to be soldered if necessary.
5. **Apply Solder:** Touch the hot soldering iron tip to the joint where the components meet the circuit board. Simultaneously, feed the solder wire onto the heated joint, allowing it to melt and flow smoothly. Remove the solder wire first, then the iron.
6. **Clean Tip:** Periodically wipe the soldering iron tip on the wet sponge to remove excess solder and oxidation. This helps maintain optimal heat transfer and extends tip life.
7. **Turn Off:** When finished, flip the ON/OFF switch to the "OFF" position. Place the iron back in its stand and allow it to cool completely before storing.

5 Replaceable Soldering Iron Tips



Figure 5.1: Visual guide demonstrating the basic steps of soldering, including temperature setting, flux application, soldering, and tip cleaning.

6. MAINTENANCE

- **Tip Cleaning:** Regularly clean the soldering tip using the wet sponge provided. For stubborn oxidation, use the rosin flux paste to re-tin the tip. A clean tip ensures efficient heat transfer and good solder joints.
- **Tip Replacement:** If a tip becomes excessively worn or damaged, replace it with one of the included interchangeable tips. Ensure the iron is cool before changing tips.
- **Storage:** Store the soldering iron kit in a dry, safe place away from moisture and extreme temperatures. The original packaging or a dedicated case is recommended to protect the components.
- **Cord Inspection:** Periodically inspect the power cord for any signs of damage, such as cuts or fraying. Do not use the iron if the cord is damaged.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Soldering iron does not heat up or turn on.	Power switch is off. Not plugged in correctly. Faulty power outlet. Internal malfunction.	Ensure the ON/OFF switch is in the "ON" position. Check that the plug is fully inserted into a working outlet. Test the outlet with another device. Contact customer support if the issue persists.
Solder does not melt or flow well.	Temperature set too low. Oxidized or dirty soldering tip. Poor quality solder wire.	Increase the temperature setting on the LCD display. Clean the soldering tip thoroughly with the wet sponge and re-tin with solder. Use rosin flux paste if needed. Consider using a different solder wire, such as 60/40 leaded solder, which typically has a lower melting point.
LCD display is not working.	Power issue. Display malfunction.	Check power connection and ON/OFF switch. If the iron heats but the display is blank, contact customer support.

8. SPECIFICATIONS

Attribute	Detail
Brand	LJPXHHU
Model Number	F936
Wattage	80 watts
Voltage	110 Volts
Temperature Range	180°C - 520°C (356°F - 968°F)
Heating Core Type	Superior Ceramic
Included Components	LCD digital soldering iron, 5pcs soldering tips, rosin core solder wire, 50g solder rosin flux paste, soldering iron stand, sponge
Item Weight	9.5 ounces (0.27 Kilograms)

Attribute	Detail
Handle Material	Metal with heat-resistant anti-skid grip

9. WARRANTY AND SUPPORT

Your LJPXHHU Soldering Iron Kit comes with a **2-Year Manufacturer Warranty**.

If you encounter any issues or have questions regarding your product, please do not hesitate to contact LJPXHHU customer support. Provide your purchase details and a description of the problem for prompt assistance.

For further information or to explore other products, visit the official LJPXHHU Store [LJPXHHU Store](#).

© 2024 LJPXHHU. All rights reserved.

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