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› Q-MING 80W 110V LCD Digital Soldering Iron Kit Instruction Manual

Q-MING 80W-BLUE

Q-MING 80W 110V LCD Digital Soldering Iron Kit

Model: 80W-BLUE

1. INTRODUCTION

This instruction manual provides essential information for the safe and effective use of your Q-MING 80W 110V LCD Digital Soldering Iron Kit. This kit is designed for various applications including welding circuit boards, appliance repair, jewelry making, and DIY electronics. Its advanced features ensure quick heating, precise temperature control, and user-friendly operation.

Key Features:

- **80W High Power:** Rapid heat-up within 20 seconds.
- **Adjustable Temperature:** Flexible temperature range of 180°C-480°C / 356°F-896°F.
- **Clear Digital Display:** High-definition LCD screen for clear temperature status.
- **Efficient Heat Dissipation:** Four ventilation holes for improved heat dissipation.
- **Anti-scalding Handle:** Heat-resistant handle for comfortable long-term use.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x 80W 110V LCD Digital Soldering Iron Pen
- 5 x Interchangeable Soldering Tips
- 1 x Simple Soldering Iron Stand
- 1 x Conventional Sponge
- 1 x Solder Wire
- 1 x Flux Paste



Image: Complete Q-MING Soldering Iron Kit with all components.

Package Included



Image: Detailed view of the soldering iron, stand, solder wire, flux paste, and interchangeable tips.

3. PRODUCT OVERVIEW

Familiarize yourself with the main parts of your soldering iron:

- **Soldering Iron Tip:** The heated part that melts solder.
- **Protective Tube:** Covers the heating element.
- **Screw Nut:** Secures the tip and protective tube.
- **Heat-proof & Anti-slip Rubber Sleeve:** Provides a secure and comfortable grip.
- **Digital LCD Screen Display:** Shows the current temperature.
- **Adjustable Temperature Buttons (+/-):** Used to set the desired temperature.
- **ON/OFF Switch:** Power control for the soldering iron.
- **Guard Wire:** Protects the power cable connection.
- **Power Cable:** Connects the iron to a power source.



Image: Labeled diagram of the soldering iron's components.



Image: Detail of the power cable and guard wire for durability.



Image: The heat-proof and anti-slip rubber sleeve for comfortable handling.



Image: Illustration of fast heating and rapid cooling through four heat emission holes.

4. SETUP

1. **Prepare the Stand:** Assemble the simple soldering iron stand and place the conventional sponge in its designated slot. Dampen the sponge slightly with water before use.
2. **Install/Change Tips:** Ensure the soldering iron is unplugged and cool. Unscrew the protective tube and screw nut. Carefully remove the current tip and insert the desired tip. Re-secure the screw nut and protective tube.
3. **Connect Power:** Plug the soldering iron into a standard 110V AC power outlet.

80W High Power Soldering Iron

- 356°F to 896°F Temperature Adjustable
- Superior Ceramic Heating Core
- Temp Calibration
- LCD Temp Display
- Accuracy Temp Control



Image: Soldering iron being used on a circuit board, illustrating a typical application.

5. OPERATING INSTRUCTIONS

1. **Power On:** Slide the ON/OFF switch to the 'ON' position. The LCD screen will illuminate and display the current temperature.
2. **Adjust Temperature:** Use the '+' and '-' buttons to set your desired temperature. The temperature can be adjusted between 180°C-480°C (356°F-896°F). The iron heats up quickly, typically within 20 seconds.
3. **Switch Temperature Units:** To switch between Celsius (°C) and Fahrenheit (°F), turn the soldering iron OFF. Press and hold either the '+' or '-' button while sliding the ON/OFF switch to 'ON'. The unit will change.
4. **Tinning the Tip:** Before first use or after cleaning, apply a small amount of solder to the heated tip. This helps protect the tip and ensures efficient heat transfer.
5. **Applying Solder:** Touch the heated tip to the joint you wish to solder, allowing the components and pad to heat up. Then, apply the solder wire to the heated joint (not directly to the iron tip). The solder should melt and flow smoothly around the joint. Remove the solder wire first, then the iron.



Image: Adjusting the temperature using the plus and minus buttons on the LCD display.


Your browser does not support the video tag.

Video: Official product video demonstrating how to replace the solder tip, adjust temperature, and perform basic soldering tasks.

Q-MING

10 IN 1 SOLDERING IRON KIT

80W High Power






-  Temp Calibration
-  LCD Digital Display
-  °F/°C Transform

Image: Visual step-by-step guide for using the soldering iron, from setup to soldering.

6. MAINTENANCE

- **Clean the Tip:** Regularly clean the soldering tip using the damp sponge provided. This removes excess solder and oxidation, ensuring optimal performance. For stubborn residue, use a brass wire cleaner (not included).
- **Tin the Tip:** After cleaning and before storing, apply a fresh coat of solder to the tip. This prevents oxidation and prolongs tip life.
- **Storage:** Always unplug the soldering iron and allow it to cool completely before storing. Store the iron and its accessories in a dry, safe place.



Widely Used & Carry Portable

Suitable for different scenarios

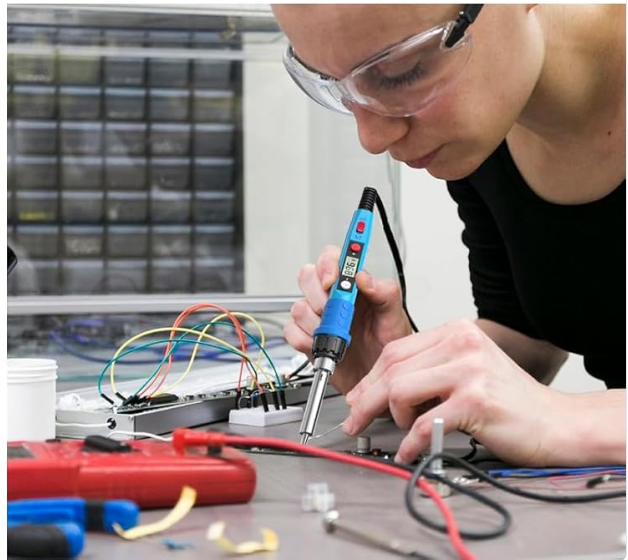
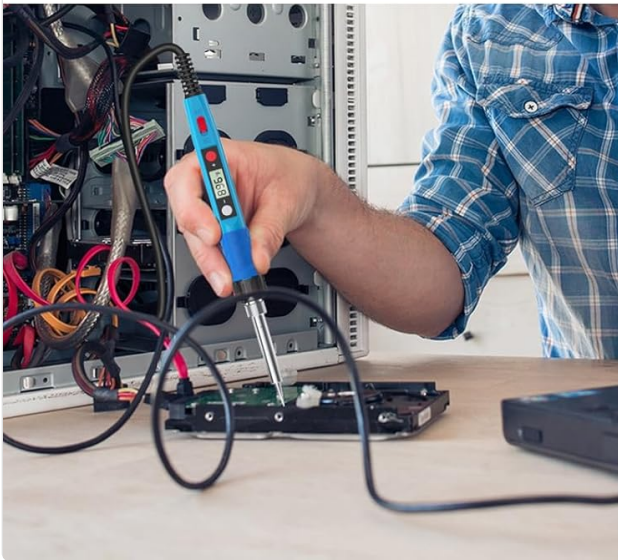


Image: Proper method for cleaning the soldering iron tip using the included sponge.

7. SAFETY PRECAUTIONS

- Always work in a well-ventilated area to avoid inhaling solder fumes.
- Wear safety glasses to protect your eyes from splashes of molten solder.
- The soldering iron tip becomes extremely hot. Avoid direct contact with skin or flammable materials.
- Always place the hot iron in its stand when not in use.
- Unplug the iron when changing tips, performing maintenance, or when not in use.
- Keep out of reach of children.
- **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

8. TROUBLESHOOTING

- **Iron Not Heating:** Ensure the power cable is securely plugged in and the ON/OFF switch is in the 'ON' position. Check the power outlet.

- **Poor Solder Joints:** Ensure the tip is clean and tinned. Verify the temperature setting is appropriate for the solder and components being used. Increase temperature if solder is not melting easily.
- **Temperature Display Issues:** If the temperature display seems inaccurate or resets unexpectedly, ensure the iron is properly connected and try cycling the power. While the display is digital, some users have noted variations in actual tip temperature versus displayed temperature. For critical applications, verify temperature with an external thermometer.
- **Tip Oxidation:** If the tip turns black and solder doesn't stick, it's oxidized. Clean it thoroughly with the sponge or brass cleaner and re-tin immediately. If severely oxidized, the tip may need replacement.

9. SPECIFICATIONS

Brand	Q-MING
Model Number	80W-BLUE
Wattage	80 watts
Power Source	AC
Temperature Range	180°C-480°C / 356°F-896°F
Handle Material	Ceramic, Metal
Item Weight	5.9 ounces
Country of Origin	China

10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the product packaging or contact Q-MING directly through their official channels. You can also visit the Q-MING Store on Amazon for more details and contact options.