CSILED45

4 LED Soldering Iron

Instruction Manual

Thank you for purchasing the CSILED45 Soldering Iron. Please read the manual before using the unit.
Keep manual in accessible place for future reference.

This manual is designed to familiarize and instruct the technician with the proper operation and maintenance of the equipment. The "Care and Safety Precautions" section explains the hazards of using any type of soldering or reworking device. Please read carefully and observe the guidelines in order to maximize usage and

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PRODUCT DESCRIPTION

The CSILED45 is a high performance soldering iron with 4 integrated LEDs. Its integrated LED lamp illuminates the target component for ease of soldering. It is equipped with a fast acting PTC ceramic heater that heats up the tip up to 450-500°C . The separate tip and heater design offers cost efficiency and easy replacement of tips. Its soft grip rubber handle allows a firm grip for comfortable soldering. Its portable and lightweight design with safety protection holder allows easy packing for occasions when offsite soldering is required.

PACKAGE INCLUSION

- CSILED45 Soldering Iron
- Safety Protection Holder
- Solder Wire
- Spare Tip

SAFETY PRECAUTIONS

CAUTION: Improper usage can cause serious injury to personnel and/or damage to equipment and work area. For your own safety, please observe the following precautions.

- Check each component after opening the package to make sure everything is in good condition. If there are any suspected damage, do not use the item and report the issue to your vendor.
- Turn OFF the main power switch and unplug the device from power source when moving the device.
- Do not strike or subject the main unit (and all its components) to physical shock. Use carefully to avoid damage to any part.
  - Never drop or sharply jolt the unit.
  - Contains delicate parts that may break if the unit is dropped.
- Make sure the equipment is always grounded. Always connect power to a grounded receptacle.
- Temperature may reach as high as 500°C when switched ON.
  - Do not use the device near flammable gases, paper and other flammable materials.
  - Do not touch heated parts, which can cause severe burns.
  - Do not touch metallic parts near the tip.
- Disconnect the plug from the power source if the unit will not be used for a long period.
  - Turn off power during breaks, if possible.
- Soldering process produces smoke, use on well ventilated places.
- Do not alter the unit, specifically the internal circuitry, in any manner. **HIGH VOLTAGE** present inside the unit. **DO NOT** attempt to service equipment.

SPECIFICATION

MAIN STATION	
Voltage Input :	available in 110V / 220V
Weight:	235 grams
Power :	70W (peak)
Temperature:	up to 450-500°C (841 to950℉)
Heating Element	PTC Ceramic heater
PTC ceramic voltage:	110V

FUNCTIONS and FEATURES

- PTC ceramic heater with removable tip design.
- High power heating element for fast heat recovery.
- Portable and lightweight.
- With 4 bright LED for illumination.
- Soft grip rubber handle.

OPERATING GUIDELINES

1. Remove protection cap from the soldering iron.
2. Plug unit into mains socket.
3. The unit's LED lamp will light up, and the heating element will start heating the tip.
4. Wait for the tip to reach temperature, if temperature is too high use a damp sponge to lower the tip temperature.
5. Ensure that items to be soldered are perfectly clean. Use rosin core solder for better solder joints.
6. When applying heat do not apply solder directly to the tip. Heat the base material to allow it to melt solder.
7. Coat the tip with a little bit of solder to help heat conduction. Apply solder to the connection, the solder will melt and flow into the joint. Forming a metallic bond.
8. Pull out the iron tip once a good flow has been reached.
9. Allow solder to cool and form.
10. Unplug soldering iron after use.
11. Wait for soldering iron to cool down before placing the safety protection holder.

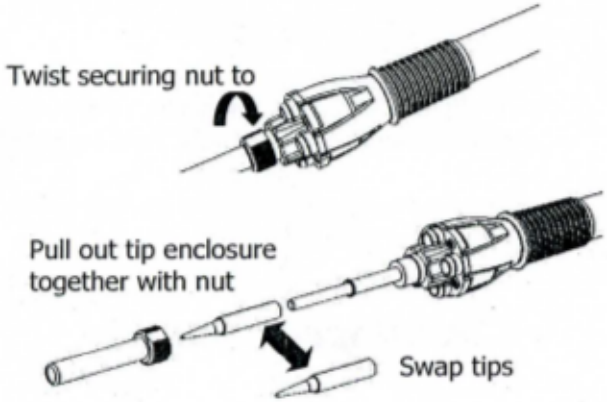
Warning: **Never leave soldering iron unattended while plugged-in. Soldering tip temperature may reach as high as 500 degrees while plugged in. Only place soldering iron on non-flammable surface. Keep away from flammable and combustible objects and surfaces.**

CARE AND MAINTENANCE

1. **Tip Temperature :** use a damp sponge to clean and lower tip temperature.
2. **Cleaning :** Always clean the soldering tip before use to remove any residual solder or flux adhering to it.
3. **After usage**: Always clean the tip and coat it with fresh solder after use. This guards against oxidation and prolongs tip life.
4. **System Care:** Never leave soldering iron unattended. Tip temperature could reach as high 500°C. Unplug soldering iron and let tip cool if not being used.

Tip Replacement:

Ensure tip has cooled to room temperature before changing tips.



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