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# Third Hand PCB Holder Tool

with 4 Clips and Heavy Base

HOBBYIST



## User Manual

TH1993

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## GENERAL INFORMATION

The Third Hand PCB Holder Tool comes with a heavy base, four adjustable clips with flexible arms, a magnifying glass, an LED light, a cleaning ball, sponge, rosin for soldering, a solder wire stand, and a 1-meter USB A to USB cable.

**Intended Use:** This tool is designed for securely holding printed circuit boards (PCBs), components, wires, and other small objects during precision work, including soldering, assembly, and repairs.

**Assembly:** The tool is typically delivered disassembled. Assemble it according to the provided instructions, ensuring all parts are securely tightened and in proper alignment.

**Maintenance:** Regularly inspect the tool for loose parts, damaged clips, or any signs of wear. Keep the magnifier and LED clean, lubricate the ball joint if necessary, and replace the cleaning ball and sponge as they wear out.

**Storage:** Store the Third Hand PCB Holder Tool in a clean and dry location away from moisture, chemicals, and extreme temperatures.

## BOX CONTENTS

- 1 x PCB Holder Base with Magnifier and LED Lights
- 1 x USB A to USB C 1 Metre Lead
- 4 x Adjustable Arms with Alligator Clips
- 1 x Cleaning Ball
- 1 x Rosin
- 1 x Solder Wire Stand
- 1 x Sponge
- 1 x Metal Base with Non-Slip Rubber Strips
- 1 x Soldering Iron Holder

## SAFETY INSTRUCTIONS

**WARNING: The manufacturer is not responsible for any potential injury from misuse**

**Eye Protection:** Always wear safety goggles when soldering or working with small components to protect your eyes from potential splattering solder or debris.

**Heat Precautions:** Be aware of the heat generated during soldering. Do not touch hot soldered joints, and be cautious when positioning the clips around hot components.

**Stability:** Ensure the heavy base is securely placed on a stable surface to prevent the tool from tipping over. The base should have a solid grip on the work surface.

**Magnifier and LED Light:** Adjust the magnifier to your desired position and use the LED light for enhanced visibility during intricate work.

**Proper Ventilation:** Always work in a well-ventilated area to avoid inhaling solder fumes and potentially harmful chemicals.

**Electrical Safety:** When working with live circuits, ensure the power is disconnected and capacitors are discharged before touching any components with the tool.

**Soldering Safety:** Follow the appropriate soldering safety guidelines, use the solder wire stand for easy access to solder, and avoid direct contact with hot surfaces.

**Child Safety:** Keep the tool and its components out of the reach of children to prevent potential accidents.

**USB Cable Safety:** Use the provided 1-metre USB A to USB C cable only as intended, and avoid exposing it to excessive heat, moisture, or sharp objects that may damage the cable.

## PRODUCT DIAGRAM



## BEFORE FIRST USE

Prior to using your product, please read all the safety and operating instructions thoroughly. Please ensure you follow the steps below before using the product. We recommend you keep the original packaging for storing the product when not in use.

Please pay close attention to the section entitled Important Safety and General Instructions. Find a safe and convenient place to keep this instruction manual for future reference.

Unpack the product but keep all packaging materials until you have made sure your new product is undamaged and in good working order. Ensure you have all accessories listed in this manual. Plastic wrapping can be a suffocation hazard for babies and children so ensure all packaging materials are out of their reach.

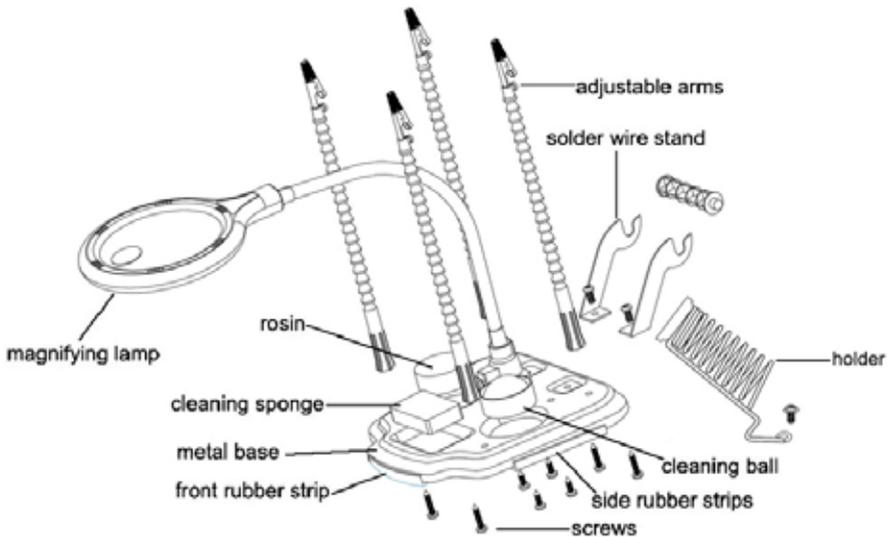
## FEATURES

The PCB Holder Base with Magnifier and LED Lights is a versatile and indispensable tool for your electronic projects, soldering, and precision work. This all-in-one solution offers exceptional stability, adjustable arms with alligator clips for secure positioning, magnification for detailed work, and LED lights for enhanced visibility. Additionally, it includes a cleaning ball, rosin, solder wire stand, sponge, and a metal base with non-slip rubber strips, making it the ideal tool for your workspace.

- **4 x Adjustable Arms with Alligator Clips:** These arms securely hold and position electronic components, circuit boards, or small objects during soldering, assembly, or repair work.
- **Built-in Magnifier:** The magnifying glass provides magnification for detailed and intricate work.
- **Integrated LED Lights:** The LED lights illuminate your work area, enhancing visibility and reducing eye strain.
- **Cleaning Ball:** The included cleaning ball helps maintain the cleanliness of your soldering iron tip for consistent and effective soldering.
- **Rosin:** Rosin is provided to improve solder flow and enhance the quality of solder joints.
- **Solder Wire Stand:** A dedicated stand keeps your solder wire accessible and tangle-free.
- **Sponge:** Use the included sponge to clean the soldering iron tip, ensuring it's free from residue.
- **Metal Base with Non-Slip Rubber Strips:** The metal base offers stability and features non-slip rubber strips to keep your work securely in place. instability during your work – the metal base ensures consistent support.

## ASSEMBLY INSTRUCTIONS

1. Carefully unpack all the components included in the package.
2. Place the metal base on a flat and stable surface, ensuring it is level and secure.
3. Screw the four adjustable arms into the designated slots on the base.
4. Attach the wire stand to the base using two screws.
5. Secure the solder holder onto the base with one screw.
6. Assemble the magnifying lamp by fastening it with four screws.
7. Position the cleaning ball, rosin, and cleaning sponge on the base.



## **OPERATION INSTRUCTIONS**

- Position your circuit board, electronic component, or workpiece between the alligator clips on the adjustable arms.
- Adjust the arms as needed to securely hold and position the item.
- Use the built-in magnifier and turn on the integrated LED lights for enhanced visibility.
- Begin your soldering, assembly, or repair work with confidence, knowing your workpiece is secure and you have the tools needed for precision work.

## **CLEANING, CARE, STORAGE & MAINTENANCE**

- Periodically check and tighten the screws holding the adjustable arms in place to maintain stability.
- Keep the sponge and cleaning ball clean for effective maintenance of your soldering iron tip.
- Replace the rosin and solder wire as needed.

## SPECIFICATIONS

<b>Lens material</b>	Glass
<b>Input voltage</b>	DC 5V
<b>Power</b>	4W
<b>LED</b>	40pcs
<b>LED Service Life</b>	More than 25000hr
<b>Luminous Flux 300lm</b>	300lm
<b>Main Lens size</b>	100mm dia
<b>Colour Temperature</b>	6500k
<b>Accessory Lens size</b>	25mm dia.
<b>Magnification factor</b>	3D+12D
<b>Operation conditions</b>	-5 to +40°C, <95% RH
<b>Storage conditions</b>	10 to +50°C, <95% RH
<b>USB Cord Length</b>	1m

## WARRANTY INFORMATION

Our product is guaranteed to be free from manufacturing defects for a period of 12 Months.

If your product becomes defective during this period, Electus Distribution will repair, replace, or refund where a product is faulty; or not fit for intended purpose.

This warranty will not cover modified product; misuse or abuse of the product contrary to user instructions or packaging label; change of mind and normal wear and tear.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and failure does not amount to a major failure.

To claim warranty, please contact the place of purchase. You will need to show receipt or other proof of purchase. Additional information may be required to process your claim.

Any expenses relating to the return of your product to the store will normally have to be paid by you.

The benefits to the customer given by this warranty are in addition to other rights and remedies of the Australian Consumer Law in relation to the goods or services to which this warranty relates.

This warranty is provided by:

Electus Distribution

Address 46 Eastern Creek Drive, Eastern Creek NSW 2766

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