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› FIRElood LH55-T2-NS2-C Wood Burning Kit Instruction Manual

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Model: LH55-T2-NS2-C

1. PRODUCT OVERVIEW

The FIRElood LH55-T2-NS2-C Wood Burning Kit is a professional pyrography tool designed for detailed wood burning, leather crafting, and other artistic applications. It features precise digital temperature control and includes two distinct wood burning pens with a variety of tips for diverse artistic effects.

Kit Components

Compact Multifunctional

- ① Pen A
- ② Pen B
- ③ Safety Pen Shelf
- ④ Pen tip storage box
- ⑤ cleaning sponge
- ⑥ Adjustable temp
- ⑦ Temp Digital Display
- ⑧ power switch



Image: Overview of the FIRElood LH55-T2-NS2-C Wood Burning Kit, highlighting its main components: Pen A, Pen B, Safety Pen Shelf, Pen Tip Storage Box, Cleaning Sponge, Adjustable Temperature Dial, Temperature Digital Display, and Power Switch.

- **Wood Burning Machine:** Main unit with digital temperature display and control.
- **Wood Burning Pens (x2):** Includes one wire-nib style pen and one solid-point style pen.
- **Pyrography Pen Heads (x36):** A variety of shapes and sizes for different techniques.
- **Pen Holder:** For safe storage of hot pens.
- **Screwdriver:** For changing pen tips.
- **Stainless Steel Tweezers:** For handling hot tips.
- **Sponge:** Used for wiping dirt off pen heads (must be soaked in water before use).
- **Carving Pen:** For scraping dark parts of burned wood to adjust color and brightness.
- **User Manual:** This document.

**200-750°C
FAST HEATING!**

2-IN-1

LH55-T2-NS2-C

Wire-Nib Detailer

**Adjustable Temperature:
200~750°C**

This pen can be used for fine-outlining, feathering, crosshatching, shading and more.

Solid-Point Pen

**Adjustable Temperature:
200~480°C**

This pen can be used for outlining, shading, heat-transfer, hot-stamps and more.

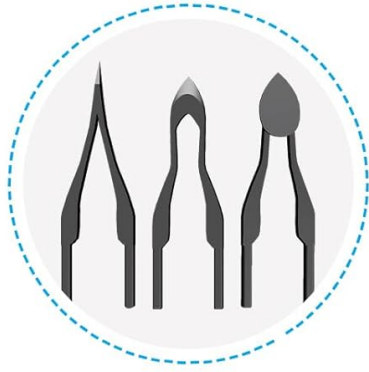


Wire-Nib Detailer

Solid-Point Pen

Image: Illustration of the two types of wood burning pens included in the kit: a Wire-Nib Detailer with an adjustable temperature range of 200~750°C, suitable for fine outlining, feathering, crosshatching, and shading; and a Solid-Point Pen with an adjustable temperature range of 200~480°C, suitable for outlining, shading, heat-transfer, and hot-stamps.

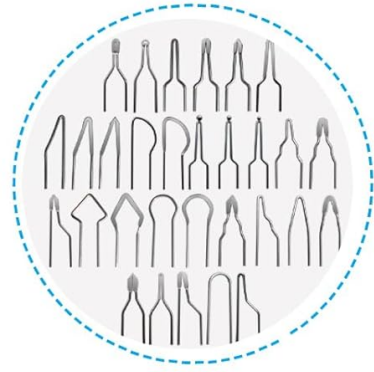
Introduction to Pen Head Function



3 professional Pen Tips



3 solid copper pen tips



30 Wood Burning Pen Tips



Image: A visual guide to the different pen head functions. It shows 3 professional pen tips for precise and complex details, 3 solid copper pen tips for large area rendering and color blocks, and 30 metal wire pen tips for basic drawing and rendering.

2. SETUP INSTRUCTIONS

- 1. Unpack Components:** Carefully remove all items from the packaging. Verify that all components listed in the Product Overview section are present.
- 2. Position the Unit:** Place the wood burning machine on a stable, heat-resistant surface. Ensure adequate ventilation around the unit.
- 3. Connect Pens:** Insert the connectors of the wood burning pens into the designated ports on the front of the machine. Ensure they are securely fastened.
- 4. Attach Pen Tips:** Select the desired pen tip. Using the provided screwdriver, loosen the screw on the pen handle by more than 4 mm. Insert the base of the pen tip into the copper wire connection, ensuring it is inserted more than 8 mm. Tighten the screw firmly. An improperly tightened tip may not heat up or spark correctly.
- 5. Power Connection:** Connect the insulated power plug to a 120V power outlet.

6. **Prepare Sponge:** Soak the cleaning sponge in water before use. This is essential for wiping dirt and carbon buildup from the pen tips during operation.

HOW TO CHANGE THE NIB

- 1) The screw must be loosened by more than 4 mm.
- 2) The base of the pen tip must be inserted more than 8 mm into the copper wire connection.
- 3) Tighten the screw with a screwdriver and secure the base of the pen tip! It must be tightened firmly, as otherwise the pen tip may not heat up or spark properly.
- 4) Wipe the pen tip with a damp sponge after use to ensure maximum effectiveness for the next use and allow the pen tip to cool down for storage.



Image: Step-by-step visual guide on how to safely change the nib of the wood burning pen. It shows loosening the screw, inserting the nib into the copper connection, tightening the screw, and wiping the tip with a damp sponge.

3. OPERATING INSTRUCTIONS

Power On and Temperature Adjustment

1. **Turn On:** Flip the power switch to the 'ON' position. The digital display will illuminate.
2. **Set Temperature:** Use the adjustable temperature dial to set the desired temperature. The digital display shows the current temperature. The wire-nib pen can reach up to 750°C, while the solid-point pen can reach up to 480°C.
3. **Preheating:** Allow the pen tip to preheat for a few minutes until it reaches the set temperature.

Using the Pens

- **Wire-Nib Pen:** Ideal for fine lines, intricate details, feathering, crosshatching, and delicate shading. Its high temperature range allows for deep, dark burns.
- **Solid-Point Pen:** Best for rendering color depth, filling in color blocks, outlining, and creating heat-transfer or hot-stamp effects.
- **Dual Pen Use:** Both pens can be turned ON and used simultaneously, allowing for quick transitions between different techniques without waiting for tips to cool.
- **Material Compatibility:** The wood burning pen heads are suitable for various materials including paper, gourds, wood, leather, leaves, bark, and wheat straw.

Technique Tips

- **Dark Tones:** Achieve black and dark colors by using higher temperatures and slower strokes.
- **Light Tones:** For very light and subtle colors, use lower temperatures and quicker, lighter strokes.
- **Control:** The pen handle is designed for comfortable grip and fine control, allowing for precise movements.

Your browser does not support the video tag.

Video: A demonstration of the FIRElood LH55-T2-NS2-C Wood Burner kit in use, showcasing various pyrography techniques and the application of different pen tips to create detailed artwork on wood. The video highlights the precision and versatility of the tool for both fine lines and shading.

4. MAINTENANCE

- **Cleaning Pen Tips:** Regularly wipe the pen tip with a damp (water-soaked) sponge during and after use to remove carbon buildup. This ensures maximum effectiveness and prolongs tip life. Allow the pen tip to cool down completely before storing.
- **Changing Tips:** Always ensure the pen is unplugged and completely cool before attempting to change tips. Use the provided screwdriver to loosen and tighten the tips as described in the Setup section.
- **Storage:** Store the wood burning kit and all accessories in a dry, safe place away from children.

5. TROUBLESHOOTING

- **Pen Tip Not Heating:**
 - Check if the power switch is ON.
 - Ensure the pen is securely connected to the machine.
 - Verify the pen tip is correctly inserted and the screw is firmly tightened (more than 8mm into the copper connection).
 - Confirm the temperature is set above the minimum operating temperature.
- **Inconsistent Burning:**
 - Clean the pen tip frequently with a damp sponge to remove carbon buildup.
 - Ensure the material surface is clean and dry.
 - Adjust temperature settings for different desired tones and material types.
- **Overheating/Burning Smell:**
 - Ensure adequate ventilation around the machine.
 - Reduce the temperature setting if the tip is glowing excessively or producing excessive smoke.
 - If the issue persists, turn off the unit and contact customer support.

6. SPECIFICATIONS

Feature	Detail
Model Number	LH55-T2-NS2-C
Brand	FIRElood
Voltage	120V (suitable for US standard outlets)
Wire-Nib Pen Max Temperature	750°C
Solid-Point Pen Max Temperature	480°C
Product Dimensions	4.57 x 3.98 x 3.46 inches
Item Weight	1.9 pounds
Date First Available	November 28, 2024

7. WARRANTY AND SUPPORT

Specific warranty information for the FIRElood LH55-T2-NS2-C Wood Burning Kit is not provided in the available product details. Please refer to the product packaging or contact the manufacturer directly for warranty terms and customer support inquiries.