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ANKROYU ANKROYUxfm281wg67

ANKROYU Portable Butane Torch Solder Heat Gun User Manual

Model: ANKROYUxfm281wg67

1. Important Safety Information

Please read and understand all safety instructions before operating this device. Failure to follow these instructions may result in serious injury or property damage.

- **Keep out of reach of children.** This product is not a toy.
- Use in a **well-ventilated area** to prevent accumulation of harmful fumes.
- Do not expose the device to direct sunlight, extreme heat, or open flames.
- Do not puncture, incinerate, or modify the device.
- Ensure the device is completely cool before storing.
- Avoid contact with the soldering tip or heat sink when the device is hot. Serious burns can occur.
- Use only high-quality butane gas for refilling.
- Always turn off the gas flow when not in use.

2. Product Overview

The ANKROYU Portable Butane Torch Solder Heat Gun is a versatile, cordless tool designed for various applications including soldering, heat shrinking, and light brazing. Its compact design and refillable butane tank offer convenience and portability.



Image 2.1: ANKROYU Portable Butane Torch Solder Heat Gun with its protective cap.

Key Features:

- Adjustable flame for precise control.
- Refillable butane gas tank.
- Replaceable soldering iron head for various tasks.
- Cordless operation for maximum portability.
- Durable stainless steel soldering iron tip for quick heating and longevity.
- Temperature control knob for convenient operation.

Component Identification:



Image 2.2: Labeled diagram showing the soldering iron tip, heat sink, head knob, valve regulating valve, metal air box, and charging port.

- **Soldering Iron Tip:** The working end for soldering applications.
- **Heat Sink:** Dissipates heat from the tip area.
- **Head Knob:** Secures the soldering tip assembly.
- **Valve Regulating Valve:** Controls gas flow and flame intensity.
- **Metal Air Box:** Main body housing the butane tank.
- **Charging Port:** Used for refilling the butane gas.

3. Setup

3.1 Butane Refilling

1. Ensure the device is completely cool and the gas flow is turned off.
2. Invert the butane torch, holding it upside down.
3. Align the nozzle of a high-quality butane gas canister with the charging port at the bottom of the torch (refer to Image 2.2).
4. Press the canister firmly into the charging port for approximately 5-10 seconds. You may observe a slight overflow, which is normal.
5. Repeat the process 2-3 times to ensure a full refill.
6. After refilling, wait at least 5 minutes before ignition to allow the gas to stabilize and reach room temperature.

3.2 Attaching/Replacing Soldering Tip

1. Ensure the device is cool and turned off.
2. Unscrew the head knob to remove the existing soldering tip or to attach a new one.
3. Carefully insert the desired soldering tip into the heat sink assembly.
4. Screw the head knob back on securely, but do not overtighten.

4. Operating Instructions

4.1 Ignition

1. Ensure the butane tank is adequately filled.
2. Slowly turn the valve regulating valve (often labeled ON/OFF) to the 'ON' position or open it slightly to allow gas flow. You may hear a faint hissing sound.
3. Use an external ignition source (e.g., a lighter or spark igniter) to ignite the gas at the tip. Hold the ignition source near the tip until a flame appears.
4. Adjust the flame intensity using the valve regulating valve.

4.2 Using as a Soldering Iron

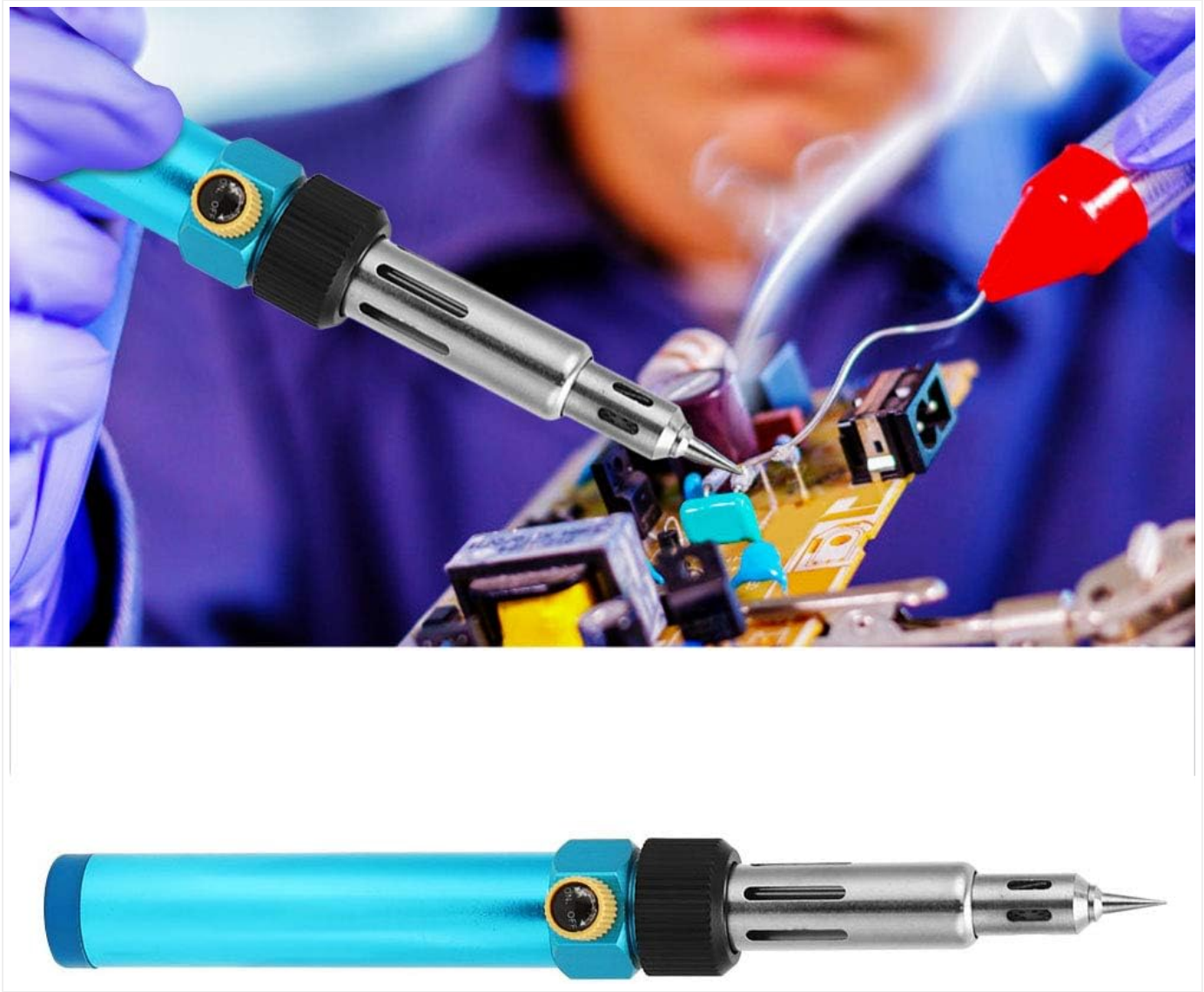

Image 4.1: The butane torch being used for precise soldering work on a circuit board.

1. After ignition, allow the soldering tip to heat up for approximately 30-60 seconds. The stainless steel tip heats quickly.

2. Touch the hot soldering tip to the components or wires you wish to solder.
3. Apply solder to the heated joint, allowing it to flow smoothly.
4. Remove the solder and then the soldering iron from the joint.

4.3 Turning Off

To turn off the device, simply turn the valve regulating valve to the 'OFF' position or fully close it. The flame will extinguish. Allow the device to cool down completely before storing.

5. Maintenance

- **Cleaning the Soldering Tip:** Regularly clean the soldering tip with a damp sponge or brass wool to remove oxidation and solder residue. This ensures efficient heat transfer.
- **Storage:** Store the device in a cool, dry place, away from direct sunlight and heat sources. Ensure the protective cap is on the tip when stored.
- **Gas Leak Check:** Periodically check for gas leaks by applying a small amount of soapy water to the connections. If bubbles appear, there is a leak. Do not use the device if a leak is detected.
- **Tip Replacement:** Replace soldering tips when they become worn or damaged to maintain optimal performance.

6. Troubleshooting

Problem	Possible Cause	Solution
No flame or difficulty igniting	Low butane level Gas valve closed Air in tank after refill	Refill with butane Open the valve regulating valve Wait 5 minutes after refilling before ignition
Weak or inconsistent flame	Low butane level Partial blockage in gas nozzle	Refill with butane Ensure the tip is clean and free of debris. If problem persists, contact support.
Gas leakage	Loose connections Damaged O-ring	Tighten connections. If leak persists, discontinue use and contact support.

7. Specifications

Brand: ANKROYU

Model Number: ANKROYUxfm281wg67

Material: Metal

Item Weight: Approximately 3.17 ounces (0.09 Kilograms)

Power Source: Butane Gas (Refillable)

Features: Adjustable flame, replaceable soldering tips, cordless operation

8. Warranty and Support

For warranty information or technical support, please refer to the retailer where the product was purchased or contact ANKROYU customer service directly. Keep your purchase receipt as proof of purchase.

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