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LITEKON 1

LITEKON 6-Inch Cordless Mini Chainsaw User Manual

Model: 1 | Brand: LITEKON

1. Introduction

Thank you for choosing the LITEKON 6-Inch Cordless Mini Chainsaw. This powerful and compact electric chainsaw is designed for efficient wood cutting tasks, featuring a 1000W brushless motor, automatic oiling system, and a 2000mAh battery for extended use. This manual provides essential information for safe and effective operation, maintenance, and troubleshooting. Please read it thoroughly before first use.

2. Safety Information

WARNING: Always wear appropriate personal protective equipment (PPE) including safety glasses, gloves, and hearing protection when operating the chainsaw.

- Keep hands and body clear of the chain when the tool is powered on.
- Ensure the work area is clear of bystanders, especially children and pets.
- Do not operate the chainsaw in wet conditions or near flammable liquids/gases.
- Always use two hands to operate the chainsaw.
- Before performing any maintenance, cleaning, or chain replacement, ensure the battery is removed.
- Store the chainsaw and its accessories in a dry, secure place, out of reach of children.
- Familiarize yourself with the safety lock mechanism before operation.

3. Package Contents

The LITEKON Mini Chainsaw kit includes the following items:

- 1 x LITEKON 6-Inch Cordless Mini Chainsaw (pre-assembled)
- 2 x 2000mAh 20V Max Lithium-Ion Batteries
- 1 x Quick Charger
- 2 x Replacement 6-inch Chains
- 1 x Guide Plate
- 1 x Blade Cover

- 1 x Screwdriver (for chain tension adjustment)
- 1 x Product Box (for storage)



Figure 3.1: Complete LITEKON Mini Chainsaw Kit contents, including the chainsaw, two batteries, charger, two chains, guide plate, blade cover, and screwdriver.

4. Setup

1. **Charge the Battery:** Before first use, fully charge both 2000mAh lithium-ion batteries using the provided quick charger. The charger indicator light will show when charging is complete.
2. **Install Battery:** Slide a charged battery into the base of the chainsaw handle until it clicks securely into place.
3. **Fill Oil Reservoir:** The chainsaw features an automatic oil filling system. Locate the oil cap on the top of the chainsaw body. Unscrew the cap and carefully pour bar and chain lubricant (not included) into the reservoir until full. Replace the cap securely.
4. **Prime the Oiling System:** After filling, press the primer bubble (if present, or run the saw briefly) a few times to ensure the chain is adequately lubricated. You should see a small amount of oil on the chain.

5. **Check Chain Tension:** Ensure the chain is properly tensioned. Use the provided screwdriver to adjust the chain tensioning screw if necessary. The chain should be snug but still able to move freely around the guide bar.



Figure 4.1: The 2000mAh high-performance battery, providing up to 60 minutes of runtime.



Figure 4.2: Illustration of the automatic oil filling system, showing where to add bar and chain lubricant.

5. Operating Instructions

Always ensure you are wearing appropriate safety gear before operating the chainsaw.

1. **Grip:** Hold the chainsaw firmly with both hands. One hand on the main handle and the other on the auxiliary handle/guard.
2. **Activate Safety:** Press the safety button located near the trigger. The chainsaw will not operate unless this button is depressed simultaneously with the trigger.
3. **Start Cutting:** Press the trigger to start the chain. Allow the chain to reach full speed before making contact with the material.
4. **Cutting Technique:** Apply light pressure and let the saw do the work. Avoid forcing the saw, as this can lead to kickback or damage. For branches larger than 6 inches, make multiple cuts or use a larger tool.
5. **Stopping:** Release the trigger to stop the chain. Engage the blade cover when not in use or during transport.

▶ **Watch video online**

Video 5.1: Official LITEKON video demonstrating the mini chainsaw in use, highlighting its ease of operation and cutting capabilities.



Figure 5.1: Close-up of the LITEKON mini chainsaw's brushless power motor, capable of 36 FT/S chain speed and 1000 Watts of power.

6. Maintenance

- **Cleaning:** After each use, remove the battery and clean the chainsaw thoroughly. Remove sawdust, debris, and any resin from the chain, guide bar, and motor housing. Use a brush or compressed air.
- **Chain Lubrication:** Regularly check the oil level in the reservoir and refill as needed. The automatic oiling system ensures continuous lubrication during operation, but manual checks are crucial.
- **Chain Tension:** Periodically check the chain tension. A loose chain can derail, while an overly tight chain can cause premature wear and reduce performance. Adjust using the provided screwdriver.
- **Chain Replacement:** If the chain becomes dull or damaged, replace it with one of the provided spare chains. To replace, remove the battery, loosen the tensioning screw, remove the side cover, and carefully replace the chain and guide bar. Ensure the new chain is oriented correctly.

- **Storage:** Store the chainsaw with the blade cover on, in its carrying case, in a dry, secure location.



Figure 6.1: Close-up of the manganese steel chain, emphasizing its sharpness and heat resistance for efficient cutting.

7. Troubleshooting

Problem	Possible Cause	Solution
Chainsaw does not start	Battery not charged or improperly installed; Safety button not pressed; Trigger not fully depressed.	Ensure battery is fully charged and correctly inserted. Press the safety button and trigger simultaneously.
Chain not moving smoothly	Insufficient lubrication; Chain tension too tight or too loose; Dull or damaged chain.	Check oil reservoir and refill. Adjust chain tension. Replace the chain if dull or damaged.

Problem	Possible Cause	Solution
Reduced cutting performance	Dull chain; Low battery charge; Overheating motor.	Replace or sharpen chain. Recharge battery. Allow motor to cool down if overheated.
Chainsaw stops during operation	Overload protection activated; Low battery charge.	Reduce cutting pressure. Recharge battery.

8. Specifications

- **Brand:** LITEKON
- **Model Number:** 1
- **Power Source:** Battery Powered
- **Horsepower:** 1000 Watts
- **Item Weight:** 3 Pounds
- **Product Dimensions:** 15.5"L x 3.5"W x 3.5"H
- **Chain Length:** 6 Inches
- **Chain Speed:** 36 FT/S
- **Battery Capacity:** 2000mAh (20V Max)
- **UPC:** 720141064449

9. Warranty and Support

The LITEKON Mini Chainsaw comes with a**365-day warranty**. The product is manufactured using flame retardant and environmental protection materials and holds professional FCC certification.
For any issues or support inquiries, please contact LITEKON customer service. We are committed to resolving any concerns within 24 hours.
Visit the official LITEKON Store for more information:LITEKON Store

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