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LITEKON KF100325

LITEKON 6-Inch Mini Chainsaw User Manual

Model: KF100325

1. Introduction

Thank you for choosing the LITEKON 6-Inch Mini Chainsaw. This powerful and compact tool is designed for efficient wood cutting, pruning branches, and various home and garden tasks. Featuring a 1000W brushless motor and an automatic oil filling system, it offers enhanced performance and durability. This manual provides essential information for safe operation, maintenance, and troubleshooting to ensure optimal use of your chainsaw.

2. Safety Instructions

Always prioritize safety when operating power tools. Read and understand all safety warnings and instructions before using the LITEKON Mini Chainsaw.

- **Wear Personal Protective Equipment (PPE):** Always wear safety goggles and gloves provided, and consider additional protection such as ear protection and sturdy footwear.
- **Inspect Before Use:** Before each use, check the chainsaw for any damage, loose parts, or proper chain tension. Ensure the battery is fully charged.
- **Proper Lubrication:** Ensure the chain is adequately lubricated before and during operation. Use appropriate chainsaw oil.
- **Secure Workpiece:** Always ensure the wood or branch you are cutting is stable and secure to prevent kickback or unexpected movement.
- **Maintain Clear Work Area:** Keep the work area free of obstacles, debris, and bystanders.
- **Avoid Overreaching:** Maintain proper footing and balance at all times. Do not overreach while operating the chainsaw.
- **Battery Safety:** Only use the provided charger and batteries. Do not expose batteries to extreme temperatures or moisture.
- **Storage:** Store the chainsaw in its carrying case in a dry, secure place, out of reach of children.

3. What's in the Box

Your LITEKON 6-Inch Mini Chainsaw package includes the following items:

- 1x 6-inch Brushless Chainsaw
- 2x 2000mAh Lithium-Ion Batteries
- 2x Guide Bars (one pre-installed)

- 2x Chains (one pre-installed)
- 1x Quick Charger
- 1x Gloves
- 1x Goggles
- 1x Oil Bottle (oil not included)
- 1x Brush
- 1x LITEKON Exclusive Chainsaw Carrying Case
- 1x User Manual (this document)



Figure 3.1: Contents of the LITEKON Mini Chainsaw package.

4. Setup

The LITEKON Mini Chainsaw is designed for quick and easy setup. Most components come pre-installed.

1. **Check Chain Tension:** Ensure the chain is properly tensioned. Rotate the side knob (1/4 turn) to adjust chain tension to 1-3mm. Then tighten the side cover knob clockwise.

2. **Add Chainsaw Oil:** Pour regular motor oil into the oil tank (Max 30ml). This chainsaw features a double-pump automatic chain lubricating system.
3. **Lubricate Chain:** Press the bubble hole to lubricate the chain, reducing wear and ensuring smoother cutting.
4. **Insert Battery:** Securely insert a charged 2000mAh Lithium-Ion battery into the chainsaw's battery slot until it clicks into place.

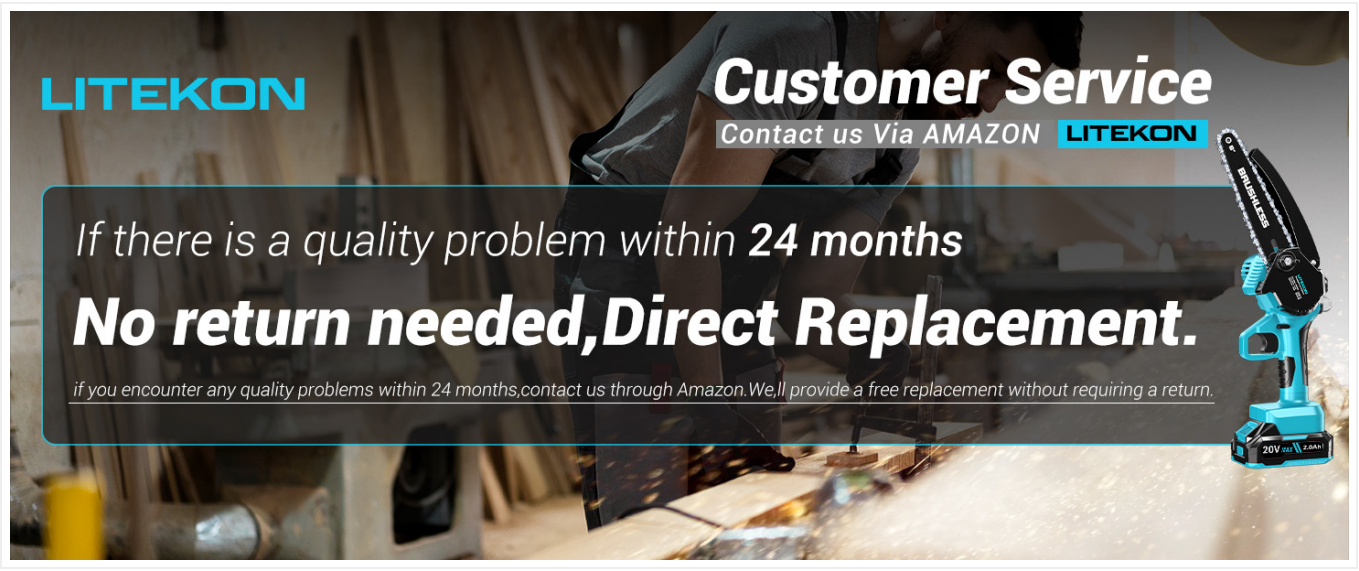

Figure 4.1: Visual guide for chainsaw setup.

5. Operating Instructions

Once set up, your LITEKON Mini Chainsaw is ready for use.

1. **Activate Safety:** Press the safety button located on the handle.
2. **Start Cutting:** Squeeze the trigger to start the chain. The 1000W brushless motor provides powerful cutting.
3. **Cutting Capacity:** The 6-inch chain can effortlessly cut through 6-inch wood in seconds. For larger pieces, you may need to reposition the chainsaw.
4. **Applications:** Ideal for pruning branches, cutting wood for various projects, and general home woodworking tasks.



Figure 5.1: Demonstrating the 6-inch cutting capacity.



Figure 5.2: Examples of common applications for the chainsaw.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your LITEKON Mini Chainsaw.

- **Automatic Oil Filling System:** The chainsaw features a double-pump automatic chain lubricating system. Simply pour regular motor oil into the oil tank and press the bubble hole to lubricate the chain. This reduces wear and ensures smoother cutting. It is recommended to lubricate the chain once a week with regular use.
- **Cleaning:** After each use, clean the chainsaw thoroughly. The design allows for easy disassembly by spinning the side knob and removing the cover, exposing the chain and components for cleaning. Use the provided brush to remove sawdust and debris.
- **Chain and Guide Bar Inspection:** Regularly inspect the manganese steel chain for sharpness and wear. The chain is designed for 5 years durability. Inspect the guide bar for any damage or burrs.
- **Battery Care:** Store batteries in a cool, dry place. Charge them fully before extended storage and periodically during storage to maintain battery health.



Figure 6.1: Automatic oil filling system for chain lubrication.



Figure 6.2: High-quality manganese steel chain for durability.

7. Troubleshooting

If you encounter issues with your LITEKON Mini Chainsaw, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Chainsaw not starting	Battery not charged or improperly inserted. Safety button not pressed.	Ensure battery is fully charged and correctly inserted. Press the safety button before squeezing the trigger.
Chain not moving smoothly or cutting poorly	Insufficient chain lubrication. Chain tension incorrect. Chain dull or damaged.	Add oil to the tank and press the bubble hole for lubrication. Adjust chain tension. Inspect and replace chain if dull or damaged.
Chainsaw stops during operation	Battery low. Overload protection activated.	Recharge or replace battery. Reduce cutting pressure and allow the motor to cool if overloaded.

8. Specifications

- **Brand:** LITEKON
- **Model Number:** KF100325
- **Power Source:** Battery Powered
- **Horsepower:** 1000 Watts
- **Item Weight:** 6 Pounds
- **Product Dimensions:** 5.7"L x 5.1"W x 14.96"H
- **Chain Length:** 6 Inches
- **Chain Speed:** 36 FT/S
- **Voltage:** 20 Volts (DC)
- **Battery Cell Type:** Lithium Ion
- **Included Components:** 1x 6inch brushless chainsaw, 2x 2000mAh batteries, 2 x Guide Bar (one pre-installed) 2x chains (one pre-installed), 1x charger, 1x gloves, 1x goggles, 1x oil bottle (oil not included), 1x brush, 1x Litekon exclusive chainsaw carrying case, 1x user manual.

9. Warranty & Support

LITEKON is committed to providing high-quality tools.

- **Warranty:** If there is a quality problem with your LITEKON Mini Chainsaw within 24 months of purchase, a direct replacement will be provided without the need for a return.
- **Customer Service:** For any quality issues or support inquiries, please contact LITEKON customer service via Amazon.



Figure 9.1: LITEKON's 24-month direct replacement policy.

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