

## LITHELi U20MC00-0A120

# Litheli 20V 6-Inch Brushless Mini Chainsaw Instruction Manual

Model: U20MC00-0A120

Brand: LiTHELi

## 1. INTRODUCTION

Thank you for choosing the Litheli 20V 6-Inch Brushless Mini Chainsaw. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before first use and retain it for future reference.

This compact and powerful chainsaw is designed for light-duty cutting tasks such as pruning branches, trimming shrubs, and cutting small logs. Its brushless motor ensures efficient performance and extended tool life.

## 2. SAFETY INSTRUCTIONS

Operating any power tool requires adherence to strict safety guidelines to prevent injury. Always prioritize your safety and the safety of others.

- **Wear Personal Protective Equipment (PPE):** Always wear safety glasses or goggles, hearing protection, gloves, and sturdy footwear.
- **Inspect the Chainsaw:** Before each use, check the chain for sharpness and tension, ensure the oil reservoir is adequately filled, and verify all safety features (e.g., safety lock, hand guard) are functioning correctly.
- **Maintain a Secure Grip:** Always hold the chainsaw firmly with both hands during operation.
- **Clear Work Area:** Ensure the area around you is free of obstructions, bystanders, and pets.
- **Avoid Kickback:** Be aware of the chainsaw's tip and avoid contact with hard objects or the ground to prevent kickback.
- **Proper Cutting Stance:** Maintain balance and a stable footing. Do not overreach.
- **Automatic Chain Lubrication:** The chainsaw features an automatic lubrication system. Ensure the oil tank is filled with appropriate bar and chain oil to maintain optimal chain performance and prevent wear.

- **Double Safety Clasp:** The tool is equipped with a double safety clasp mechanism to prevent accidental activation. Both the safety lock button and the power switch must be engaged simultaneously to operate the chainsaw.



Image: Key safety features of the Litheli Mini Chainsaw, including the anti-flying splash guard, durable steel chain, double safety lock, and the 50ml oil tank for lubrication.

### 3. PRODUCT OVERVIEW & COMPONENTS

Familiarize yourself with the various parts of your Litheli Mini Chainsaw for proper handling and maintenance.



Image: The Litheli 20V 6-inch brushless mini chainsaw, shown with its included 2.0Ah battery, charging cable, and chain guard.

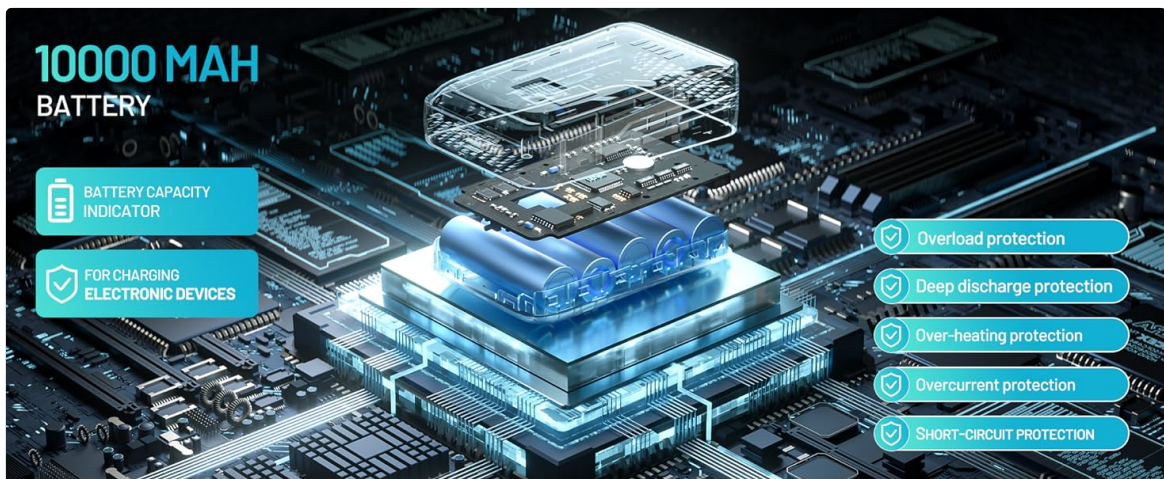


Image: Detailed diagram illustrating the main components of the chainsaw, including the steel chain, guide plate, nut lock cover, protective baffle, brushless motor, security lock button, power switch, rechargeable battery, and comfortable handle.

## 4. SETUP

### 4.1 Battery Installation

The Litheli Mini Chainsaw operates on a 20V Lithium-Ion battery. Ensure the battery is fully charged before use.

1. Align the battery pack with the battery slot on the chainsaw handle.
2. Slide the battery into the slot until it clicks securely into place.
3. To remove, press the battery release button and slide the battery out.




Image: Illustration of the 10000 mAh battery, highlighting its capacity indicator and multiple protection features for safe and reliable power.

## 4.2 Chain Tension Adjustment

Proper chain tension is crucial for safe and efficient cutting. This chainsaw features tool-free chain tension adjustment.

1. Ensure the chainsaw is turned off and the battery is removed.
2. Locate the chain tensioning knob on the side of the chainsaw.
3. Turn the knob clockwise to increase chain tension or counter-clockwise to decrease it. The chain should be snug against the guide bar but still able to be pulled freely by hand.
4. After adjustment, replace the battery and perform a brief test cut to confirm proper tension.

## 4.3 Automatic Chain Lubrication

The chainsaw is equipped with an automatic oiling system to ensure continuous lubrication of the chain and bar during operation, extending their lifespan and improving cutting performance.

1. Ensure the chainsaw is turned off and the battery is removed.
2. Locate the oil tank cap on the top of the chainsaw.
3. Unscrew the cap and carefully fill the 50ml oil tank with high-quality bar and chain oil. Do not overfill.
4. Securely replace the oil tank cap. Regularly check the oil level during use and refill as needed.

# CHAINSAW WITH EASY-TO-CLEAN CASING



Image: Demonstrating the process of filling the chainsaw's oil tank with bar and chain oil.



Image: A detailed view of the 50ml oil tank and its oil control window, illustrating the automatic oiling system.

## 5. OPERATION

### 5.1 Starting and Stopping

1. To start the chainsaw, first press and hold the security lock button, then squeeze the power

switch.

2. To stop the chainsaw, release the power switch. The chain will stop immediately.

## 5.2 Cutting Techniques

The Litheli Mini Chainsaw is ideal for various light cutting tasks. Its lightweight design allows for comfortable one-handed operation in many scenarios.

- **Pruning Branches:** Position the chainsaw firmly against the branch. Allow the chain to do the work without applying excessive pressure.
- **Cutting Small Logs:** For logs up to 6 inches in diameter, ensure the log is stable. Cut through the log in a controlled manner.
- **Versatile Applications:** This tool is suitable for branch pruning, wood panel cutting, bamboo cutting, and pipe cutting.



Image: The chainsaw demonstrating its capability to cut a 6-inch diameter log efficiently.



Image: Examples of the chainsaw's versatile applications, including wood board cutting, tree pruning, bamboo cutting, and pipe cutting, emphasizing its ease of one-hand control.

## 6. MAINTENANCE

### 6.1 General Cleaning

After each use, ensure the chainsaw is clean to maintain performance and longevity. The chainsaw features an easy-to-clean casing.

- Remove the battery before cleaning.
- Use a brush or compressed air to remove sawdust and debris from the chain, guide bar, and motor vents.
- Wipe down the casing with a damp cloth. Do not use harsh chemicals.

### 6.2 Chain Care

Regular chain maintenance is essential for optimal cutting and safety.

- **Lubrication:** Always ensure the automatic lubrication system is functioning and the oil tank is filled.
- **Sharpening:** A dull chain can lead to poor performance and increased kickback risk. Sharpen

the chain regularly or replace it when necessary.

- **Tension:** Check chain tension before each use and adjust as described in Section 4.2.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Litheli Mini Chainsaw.

- **Chainsaw Not Starting:**
  - Ensure the battery is fully charged and properly inserted.
  - Verify that both the safety lock button and the power switch are engaged simultaneously.
- **Poor Cutting Performance:**
  - Check chain tension and adjust if too loose or too tight.
  - Inspect the chain for dullness or damage; sharpen or replace as needed.
  - Ensure the oil reservoir is filled and the automatic lubrication system is working.
- **Excessive Vibration:**
  - Check chain tension.
  - Inspect the chain and guide bar for damage or wear.

If you encounter issues not covered here or if troubleshooting steps do not resolve the problem, please contact Litheli customer support.

## 8. SPECIFICATIONS

Feature	Specification
Brand	LiTHELi
Model Number	U20MC00-0A120
Power Source	Battery Powered
Horsepower	450 Watts
Item Weight	3 Pounds
Product Dimensions	15.9"L x 3.8"W x 8.1"H
Chain Length	6 Inches
Battery Type	1 Lithium Ion (included)
Style	Brushless
UPC	740907586244, 740907586923

Image: The brushless motor design, offering high efficiency, low noise, and enhanced durability.



Image: Details of the high-performance chain, emphasizing its wear-resistant properties, long lifespan, and a chain speed of 24.6 FT/S.

## 9. WARRANTY AND SUPPORT

For warranty information, product registration, or technical support, please refer to the official Litheli website or contact their customer service department. Keep your purchase receipt as proof of purchase.

**Contact Information:** Please visit the official Litheli website for the most up-to-date contact details and support resources.