

LITHELI U20MC00-0A110

Litheli 20V 2.0Ah 6-Inch Mini Chainsaw User Manual

Model: U20MC00-0A110

1. IMPORTANT SAFETY INFORMATION

Always read and understand all safety warnings and instructions before operating this mini chainsaw. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

General Safety Precautions

- **Wear appropriate personal protective equipment (PPE):** Always wear safety glasses, gloves, hearing protection, and sturdy footwear when operating the chainsaw.
- **Keep work area clear:** Ensure the work area is free from obstructions, children, and bystanders.
- **Inspect the tool before use:** Check for any damaged parts, loose components, or signs of wear. Do not operate if damaged.
- **Secure workpiece:** Always ensure the branch or material being cut is stable and cannot shift during operation.
- **Avoid kickback:** Be aware of the chain's rotation direction and potential kickback. Maintain a firm grip with both hands (if applicable for two-handed operation) and a balanced stance.
- **Proper handling:** Never carry the chainsaw with your finger on the switch. Remove the battery pack before making any adjustments, changing accessories, or storing the tool.

Integrated Safety Features

- **Double Safety Switch:** Prevents accidental starts. Ensure both switches are engaged for operation.
- **90° Rotatable Protective Guard:** Minimizes debris spray and enhances user protection.
- **Low-Kickback Chain Design:** Engineered for stability, reducing the risk of sudden upward motion.
- **Battery Protection:** The 20V 2.0Ah U-BATTERY PLUS includes built-in over-charge, over-heat, and over-current protection.



Figure 1: The Litheli mini chainsaw incorporates multiple safety features including a chain guard, double safety switch, and non-slip grip for secure operation.

2. PRODUCT OVERVIEW AND COMPONENTS

The Litheli 20V 2.0Ah 6-inch mini chainsaw is a compact, battery-powered tool designed for light to medium cutting tasks such as pruning branches, cutting bamboo, and small wood panels. Its lightweight design allows for comfortable one-hand operation.

Package Contents

- 1x Litheli Mini Chainsaw
- 1x 20V 2.0Ah U-BATTERY PLUS
- 1x Type-C Charging Cable
- 1x Blade Cover
- 1x Instruction Manual (this document)

Key Features

- **Motor:** High-torque 300W motor for efficient cutting.
- **Chain Speed:** 24.6 ft/s for rapid cutting.

- **Bar Length:** 6 inches.
- **Weight:** Approximately 2.9 lbs (with battery).
- **Battery:** 20V 2.0Ah U-BATTERY PLUS with USB port for mobile device charging.



Figure 2: The Litheli mini chainsaw in action, demonstrating its cutting capability and efficiency.

SUPER POWER

PROVIDES A LONG-LASTING POWER SOURCE FOR
HIGH SPEEDS AND HIGH TORQUE



Figure 3: Illustration of the chainsaw's powerful motor, designed for efficiency and durability.

3. SETUP AND ASSEMBLY

The Litheli mini chainsaw comes largely pre-assembled. Follow these steps to prepare it for first use.

3.1 Battery Charging

1. Connect the Type-C charging cable to the 20V 2.0Ah U-BATTERY PLUS.
2. Plug the other end of the cable into a compatible USB power adapter (not included).
3. Allow the battery to charge fully before first use. The battery level indicator will show charging status.

10000 MAH

RECHARGEABLE LITHIUM-ION BATTERY

 **FAST CHARGING**

 **30 MINUTES RUNNING TIME**

 **BATTERY LEVEL INDICATOR**

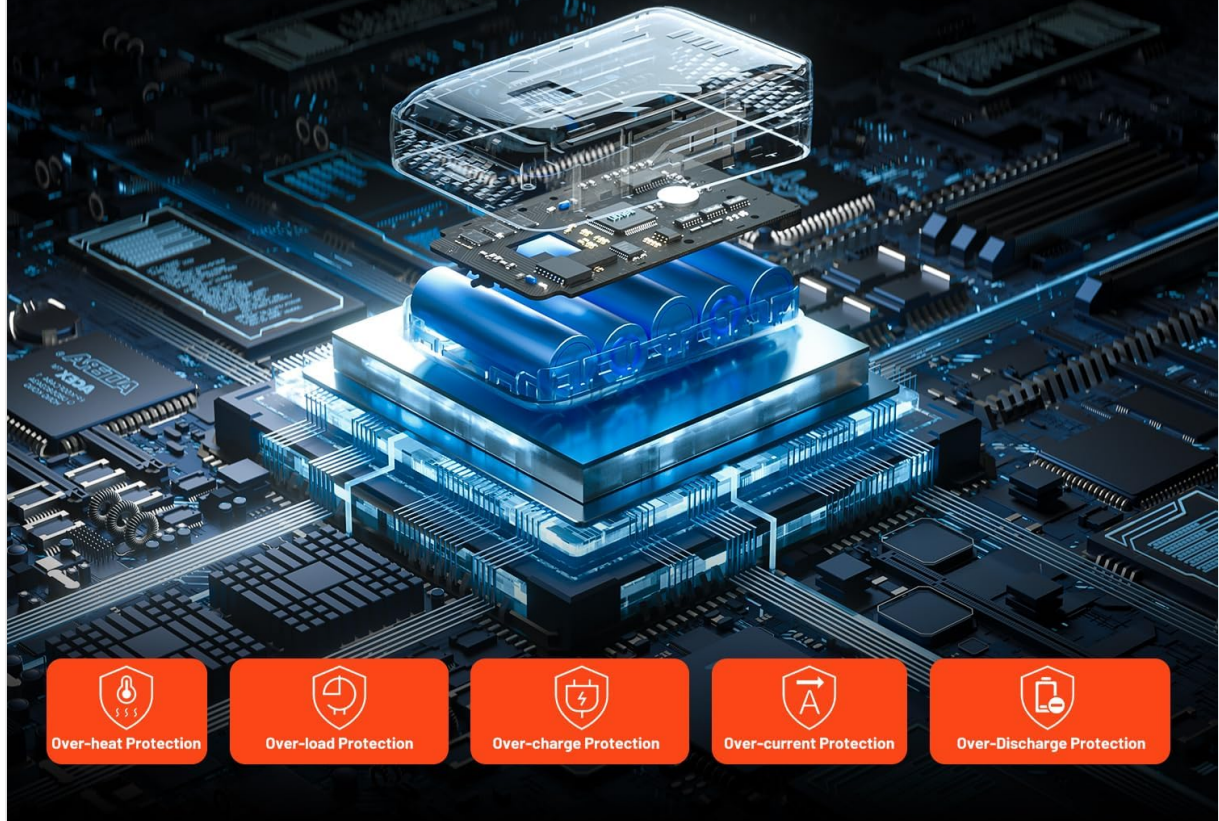


Figure 4: The 20V 2.0Ah U-BATTERY PLUS features fast charging and multiple protection circuits.

2-IN-1 TOOL BATTERY & POWER BANK

A Battery You Should Have Used Before!



Figure 5: The U-BATTERY PLUS can also function as a power bank for mobile devices.

3.2 Installing the Battery

1. Ensure the chainsaw is turned off and the safety switch is disengaged.
2. Align the battery pack with the battery slot on the chainsaw handle.
3. Slide the battery into the slot until it clicks securely into place.

3.3 Chain Lubrication

The chainsaw features automatic chain lubrication. Before each use, ensure the oil reservoir is adequately filled with appropriate chainsaw bar and chain oil. Refer to the oil reservoir cap for recommended oil type and filling instructions.

4. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your Litheli mini chainsaw.

4.1 Starting the Chainsaw

1. Ensure the battery is fully charged and securely installed.
2. Grip the chainsaw firmly with one hand, ensuring your fingers are clear of the chain.

3. Engage the double safety switch (typically a button that needs to be pressed before the trigger).
4. Press the trigger to start the chain. Release the trigger to stop.

4.2 Cutting Techniques

- **Pruning Branches:** Position the chainsaw firmly against the branch. Apply steady, gentle pressure. Avoid forcing the saw.
- **Small Logs/Wood Panels:** Secure the material to prevent movement. Make a shallow cut first, then complete the cut.
- **One-Hand Control:** The lightweight design allows for one-handed operation for certain tasks, but always prioritize safety and stability. For maximum control and safety, use both hands when possible.
- **Automatic Chain Lubrication:** The system will automatically lubricate the chain during operation. Monitor the oil level and refill as needed.



Figure 6: The mini chainsaw is suitable for various tasks including pruning, pipe cutting, bamboo cutting, and wood panel cutting.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your chainsaw.

5.1 Cleaning

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

5.2 Chain and Bar Care

- **Chain Tension:** Periodically check the chain tension. A properly tensioned chain should be snug but still allow you to pull it around the guide bar by hand.
- **Chain Sharpening:** A dull chain will reduce cutting efficiency and increase kickback risk. Sharpen the chain as needed or replace it.
- **Bar Maintenance:** Clean the guide bar groove regularly to ensure proper chain movement and lubrication.

5.3 Storage

- Store the chainsaw in a dry, secure location, out of reach of children.
- Always attach the blade cover before storing.
- Remove the battery pack if storing for extended periods.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your mini chainsaw.

Chainsaw Does Not Start

- **Check Battery:** Ensure the battery is fully charged and properly inserted.
- **Safety Switch:** Confirm both parts of the double safety switch are engaged.
- **Temperature:** If the battery is too hot or too cold, it might not operate. Allow it to reach room temperature.

Poor Cutting Performance

- **Dull Chain:** The chain may need sharpening or replacement.
- **Chain Tension:** Check if the chain tension is correct. A loose chain can slip or cut inefficiently.
- **Lubrication:** Ensure the oil reservoir is filled and the automatic lubrication system is functioning.

Excessive Vibration

- **Loose Chain:** Adjust chain tension.
- **Damaged Chain/Bar:** Inspect the chain and guide bar for damage. Replace if necessary.

If you encounter issues not covered here, please contact customer support.

7. SPECIFICATIONS

Feature	Specification
Brand	LiTHELi
Model Number	U20MC00-0A110

Power Source	Battery Powered
Horsepower	300 Watts
Item Weight	1.32 kg
Product Dimensions (L x W x H)	22.4L x 9.4W x 41H Centimetres
Chain Length	6 Inches
UPC	740907588910

8. WARRANTY AND SUPPORT

Litheli stands behind the quality of its products.

- **Tool Warranty:** This mini chainsaw comes with a professional 3-year tool warranty.
- **Battery Warranty:** The included 20V 2.0Ah U-BATTERY PLUS has a 1-year battery warranty.
- **Customer Support:** For any questions, issues, or warranty claims, please contact Litheli customer support. Refer to the product packaging or the official Litheli website for contact information.

The U20 Smart Ecosystem ensures compatibility of the 20V 2.0Ah U-BATTERY PLUS with all Litheli U20 series tools, offering versatility and convenience.