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WEMARS Mini Electric Chainsaw Cordless

WEMARS 6-inch Mini Chainsaw User Manual

Model: Mini Electric Chainsaw Cordless

1. Introduction

Thank you for choosing the WEMARS 6-inch Mini Chainsaw. This cordless electric chainsaw is designed for light-duty cutting tasks such as pruning branches and small wood pieces. Its compact and lightweight design makes it suitable for one-hand operation. Please read this manual thoroughly before use to ensure safe and efficient operation and to prolong the life of your tool.

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.

- **Personal Protective Equipment:** Always wear safety goggles, gloves, and appropriate protective clothing when operating the chainsaw.
- **Security Lock:** The chainsaw is equipped with a security lock to prevent accidental starts. Always engage the security lock when the tool is not in active use or during maintenance. Both left and right-handed users can operate the security lock.
- **Protective Baffle:** A 100° rotatable top protective baffle is integrated to minimize sawdust splash during operation. Ensure it is properly positioned.
- **Handle Guard:** Utilize the integrated handle guard for additional protection during operation.
- **Battery Safety:** Always remove the battery pack from the chainsaw when not in use, during assembly, cleaning, or maintenance.
- **Work Area:** Keep your work area clear of obstructions and ensure good lighting. Do not operate in wet conditions.
- **Chain Oiling:** This chainsaw does not feature an automatic oiler. It is critical to manually apply chain oil regularly to the guide bar and chain to ensure smooth operation and prevent premature wear. Refer to the Maintenance section for details.



Figure 1: Key safety features of the WEMARS Mini Chainsaw, including the security lock, 100° adjustable baffle, and handle guard.

3. Package Contents

Upon unpacking, please verify that all items listed below are present and undamaged:

- 1 x Assembled WEMARS 6-inch Mini Chainsaw
- 2 x 20V Lithium-ion Batteries
- 2 x Chains (one pre-installed, one spare)
- 1 x Battery Charger
- 1 x Safety Goggles
- 1 x Pair of Work Gloves
- 1 x Screwdriver (for chain adjustment)
- 1 x Carrying Case



Figure 2: Complete package contents of the WEMARS 6-inch Mini Chainsaw.

4. Product Overview

The WEMARS Mini Chainsaw is a powerful and portable tool designed for efficient cutting. It features a robust motor and a 6-inch guide plate, making it ideal for various light-duty tasks.

Key Features:

- **Cordless Design:** Offers freedom of movement without power cords.
- **Lightweight:** Weighing approximately 2.5 lbs (including battery), it is easy to handle for extended periods.
- **Ergonomic Grip:** Designed for comfortable one-hand operation, reducing user fatigue.
- **Battery Protection:** Lithium-ion batteries include self-overload and temperature protection for enhanced durability and safety.



Figure 3: Examples of the WEMARS Mini Chainsaw in various cutting applications.

5. Setup

5.1 Battery Charging

Before first use, fully charge both batteries. The charger is designed to protect against overcharge and temperature fluctuations.

1. Connect the charger to a standard power outlet.
2. Insert the 20V Lithium-ion battery into the charger.
3. Allow approximately two hours for a full charge. The charger indicator light will signal when charging is complete.
4. Once charged, remove the battery from the charger.



Figure 4: WEMARS 20V Lithium-ion battery technology with integrated safety protections.

5.2 Chain Installation and Tensioning

The chainsaw comes with one chain pre-installed. If you need to replace or adjust the chain:

1. **Ensure Battery is Removed:** Always remove the battery before performing any adjustments or maintenance.
2. **Access Chain:** The chainsaw features a tool-free screw for easy access to the guide bar and chain. Loosen this screw to remove the side cover.
3. **Install/Replace Chain:** Carefully place the chain around the guide bar, ensuring the cutting teeth are facing the correct direction. Fit the chain onto the drive sprocket.
4. **Tensioning:** Reinstall the side cover and hand-tighten the tool-free screw. Use the provided screwdriver to adjust the chain tensioning screw located near the base of the guide bar. The chain should be snug against the guide bar but still able to be pulled freely by hand. A properly tensioned chain will have minimal sag on the underside of the guide bar.
5. **Secure:** Once tensioned, fully tighten the tool-free screw.

5.3 Oiling the Chain

This chainsaw requires manual chain lubrication. Proper oiling is essential for performance and longevity.

1. **Obtain Chain Oil:** Purchase dedicated chainsaw bar and chain oil from any hardware store.
2. **Application Tool:** A small squeeze bottle with a narrow tip is recommended for precise application.
3. **Apply Oil:** Before and during operation, apply a few drops of chain oil along the upper and lower edges of the guide bar and chain. This should be done approximately every minute of actual cutting time.

6. Operating Instructions

Always wear appropriate safety gear before operating the chainsaw.

1. **Insert Battery:** Slide a charged battery into the battery slot until it clicks into place.
2. **Activate:** To start the chainsaw, first press and hold the security lock button, then squeeze the trigger switch. Release the security lock button once the saw is running.
3. **Cutting:** Position the chainsaw firmly against the material to be cut. Apply steady, even pressure. The 6-inch guide bar is designed for efficient cutting of fresh wood up to 6 inches in diameter. For optimal performance and safety, avoid cutting material thicker than 3 inches in a single pass.
4. **Baffle Adjustment:** Adjust the 100° rotatable baffle as needed to direct sawdust away from you.
5. **Stopping:** Release the trigger switch to stop the chainsaw. Always engage the security lock and remove the battery when finished or taking a break.



Figure 5: The WEMARS Mini Chainsaw performing efficient 6-inch cutting.

7. Maintenance

Regular maintenance ensures the longevity and safe operation of your WEMARS Mini Chainsaw.

- **Battery Removal:** Always remove the battery before any maintenance or cleaning.
- **Chain Oiling:** As detailed in Section 5.3, manually oil the chain and guide bar frequently during use.
- **Cleaning:** After each use, clean the chainsaw body, guide bar, and chain with a dry cloth or soft brush to remove sawdust and debris. Ensure ventilation slots are clear.
- **Chain Sharpening/Replacement:** A dull chain will reduce cutting efficiency and increase strain on the motor. Sharpen the chain as needed or replace it with a new one from the spare provided or a compatible replacement.
- **Storage:** Store the chainsaw in its carrying case in a dry, secure location, out of reach of children. Ensure batteries are removed for long-term storage.

8. Troubleshooting

If you encounter issues with your WEMARS Mini Chainsaw, consider the following common solutions:

- **Chainsaw Not Starting:**
  - Ensure the battery is fully charged and properly inserted.
  - Verify the security lock button is pressed before squeezing the trigger.
- **Poor Cutting Performance:**
  - Check if the chain is dull and requires sharpening or replacement.
  - Ensure the chain is properly tensioned (not too loose or too tight).
  - Confirm the chain is adequately lubricated with chain oil.
- **Overheating:**
  - Allow the tool to cool down. Overheating can be caused by continuous heavy use or a dull/improperly tensioned chain.
  - Ensure ventilation slots are not blocked.

If problems persist, please contact WEMARS customer support.

9. Specifications

Detailed technical specifications for the WEMARS Mini Chainsaw:

Brand	WEMARS
Model Number	Mini Electric Chainsaw Cordless
Power Source	Battery Powered
Lithium Battery Voltage	20V
Motor Power	600W
Guide Plate Length	6 Inches
Chain Speed	5 m/s
Item Weight (without battery)	750g (approx. 1.65 lbs)
Product Dimensions (L x W x H)	15.9" x 5.7" x 7.6"
UPC	751717002374, 751717002411



Figure 6: Detailed product parameters for the WEMARS Mini Chainsaw.

10. Warranty and Support

For warranty information or technical support, please refer to the documentation included with your purchase or visit the official WEMARS website. Keep your purchase receipt as proof of purchase.

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