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sainlogic SC-16

Sainlogic Mini Chainsaw Instruction Manual

Model: SC-16

Brand: Sainlogic

1. Safety Information

Always prioritize safety when operating the Sainlogic Mini Chainsaw. Read and understand all instructions before use. Wear appropriate personal protective equipment (PPE) including eye protection, gloves, and sturdy footwear.

Ensure the work area is clear of obstructions and bystanders. Maintain a firm grip on the chainsaw with both hands during operation. Avoid operating the chainsaw in wet conditions or near flammable materials.

The chainsaw is equipped with a safety lock button that must be pressed before the trigger can be engaged. Always release the trigger and engage the safety lock when not actively cutting or when moving between tasks.

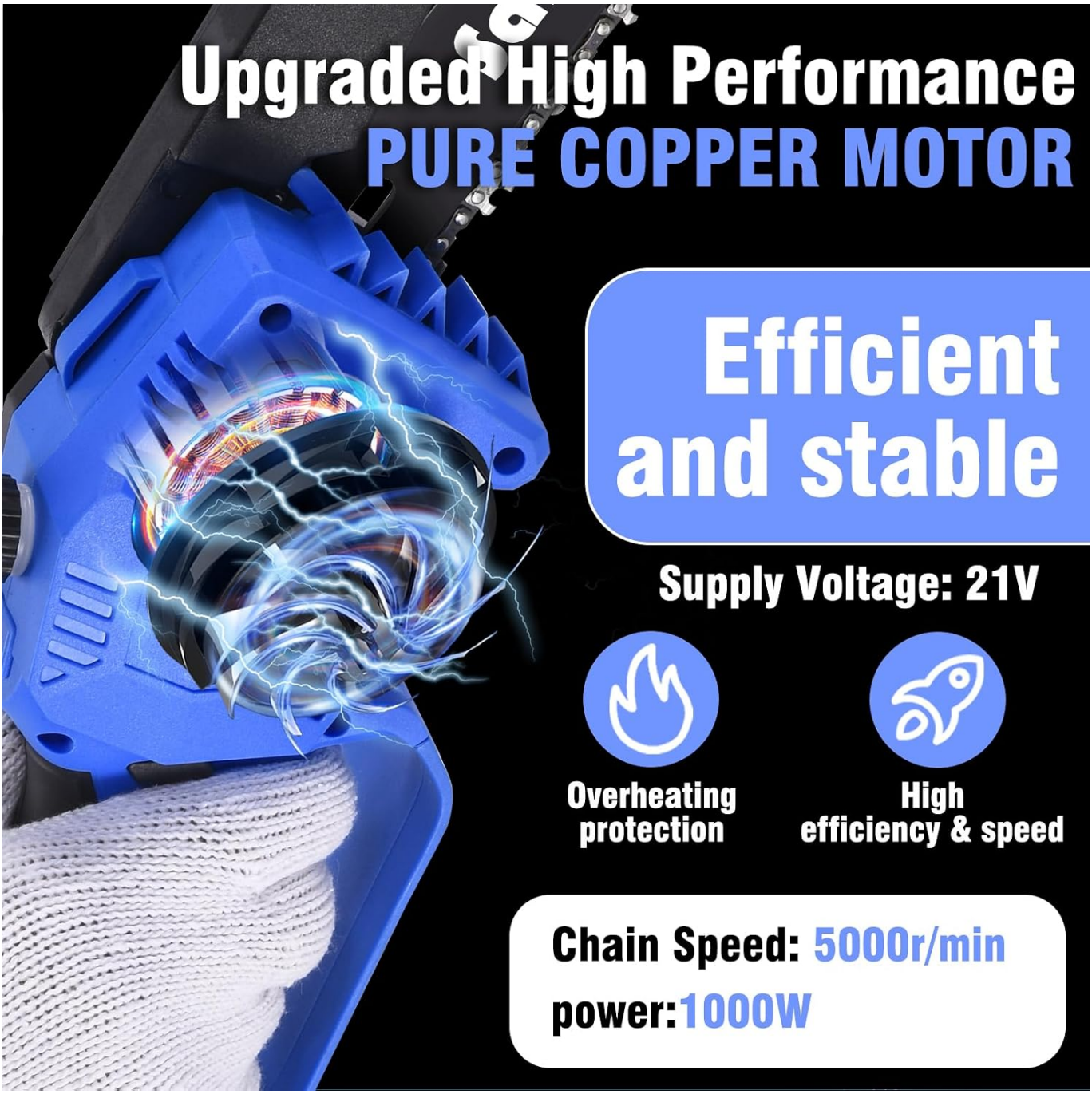


Image: Key safety features of the Sainlogic Mini Chainsaw, highlighting the lock button, comfortable handle, lock-off switch, safety rope, protective baffle, and high-power battery.

2. Product Overview

The Sainlogic Mini Chainsaw is a portable, one-handed electric chainsaw designed for efficient cutting of branches and small trees. It features a brushless motor for stable and efficient performance.

Components Included:

- Sainlogic Mini Chainsaw Unit
- 2 x 21V Li-ion Batteries (2.0Ah)
- Battery Charger
- Spare Chain
- Safety Goggles
- Gloves

- Oil Bottle (empty)
- Storage Case



Image: The complete Sainlogic Mini Chainsaw package, showing the chainsaw unit, two batteries, charger, safety goggles, gloves, a spare chain, and the carrying case.

Key Features:

- **Brushless Motor:** Provides 1000W of power for efficient and stable cutting at a chain speed of 5000r/min.
- **8-Inch Guide Bar:** Suitable for cutting various branch sizes.
- **Dual 21V Li-ion Batteries:** Two 2.0Ah batteries included for extended operation, featuring over-heating, over-voltage, over-charge, over-current, and over-discharge protection.
- **Protective Baffle:** An anti-splash cover that can be adjusted up to 90 degrees to prevent wood chips from splashing and enhance safety.
- **Tool-less Chain Adjustment:** Easy and quick chain tensioning without the need for additional tools.



Image: Detailed view of the Sainlogic Mini Chainsaw's brushless motor, highlighting its power, speed, and built-in protections.



Image: The 21V Li-ion 2.0Ah batteries for the Sainlogic Mini Chainsaw, illustrating their multiple built-in protection features.

3. Setup

3.1. Battery Charging:

Before first use, fully charge both 21V Li-ion batteries. Connect the charger to a power outlet and then plug the charger cable into the battery. The indicator light on the charger will show charging status. Ensure batteries are fully charged before operation for optimal performance.

3.2. Chain Installation and Tensioning:

The chainsaw features a tool-less chain adjustment system. To install or adjust the chain, loosen the knob on the side cover. Position the chain correctly around the guide bar, ensuring the cutting teeth face the correct direction. Adjust the tension by turning the roller dial until the chain is snug but can still be moved by hand. Finally, tighten the knob to secure the chain and guide bar.

3.3. Oiling the Chain:

The chainsaw is equipped with a manual oiling system. Fill the provided oil bottle with appropriate bar and chain oil (not included). Locate the oil filling port on the chainsaw and add oil. During operation, periodically press the pump button to lubricate the chain and guide bar, ensuring smooth performance and prolonging chain life.

4. Operating Instructions

4.1. Starting the Chainsaw:

Insert a charged battery into the chainsaw handle. To start the chainsaw, press and hold the safety lock button located on the side of the handle, then simultaneously press the trigger. Release the trigger to stop the chainsaw.

4.2. Cutting Technique:

For optimal cutting performance and safety, hold the chainsaw firmly with both hands (if possible for larger cuts) or one hand for smaller, lighter tasks. Allow the chain to reach full speed before engaging with the material. Apply steady, moderate pressure. Avoid forcing the chainsaw through the material, as this can lead to kickback or damage to the tool.

When cutting branches, ensure the branch is stable and supported. Cut from the top down for smaller branches and use proper undercutting techniques for larger ones to prevent pinching the guide bar.



Image: Demonstrating the comfortable one-handed operation of the Sainlogic Mini Chainsaw for effective cutting of branches.

5. Maintenance

5.1. Chain Lubrication:

Regular lubrication is essential for chain and guide bar longevity. Continuously monitor the oil level and pump the oil button as needed during operation. A dry chain can lead to increased friction, overheating, and premature wear.

5.2. Chain Tension:

Check chain tension frequently, especially during initial use and after extended periods of cutting. A properly tensioned chain should be snug against the guide bar but still allow for manual movement. Adjust as described in the Setup section.

5.3. Cleaning and Storage:

After each use, remove the battery and thoroughly clean the chainsaw. Remove sawdust and debris from the chain, guide bar, and motor vents. Store the chainsaw in its original case in a dry, secure location, away from direct sunlight and extreme temperatures.

5.4. Battery Care:

Store batteries in a cool, dry place. Avoid fully discharging batteries before recharging. For long-term storage, charge batteries to approximately 50% capacity. Do not expose batteries to extreme heat or cold.

6. Troubleshooting

Problem	Possible Cause	Solution
Chainsaw does not start.	Battery not charged or improperly inserted; Safety lock not engaged.	Ensure battery is fully charged and correctly inserted. Press safety lock button before trigger.
Chain stops or cuts slowly.	Chain dull; Chain tension too loose/tight; Insufficient lubrication.	Replace or sharpen chain. Adjust chain tension. Ensure chain is adequately oiled.
Battery drains quickly.	Heavy cutting tasks; Battery not fully charged; Old/worn battery.	Use for appropriate tasks. Fully charge battery. Consider replacing battery if capacity is significantly reduced.
Chain falls off.	Chain too loose; Improper installation.	Adjust chain tension. Reinstall chain and guide bar correctly, ensuring proper alignment.

7. Specifications

Specification	Value
Brand	sainlogic
Model Number	SC-16
Item Weight	7.19 pounds
Product Dimensions	17.72 x 5.91 x 3.54 inches
Batteries	2 Lithium Ion batteries (included)
Horsepower	550
Chain Speed	5000r/min
Power	1000W
Compatible Bar Length	8 Inch
UPC	734257563642

8. Warranty and Support

Sainlogic provides a warranty for this product. Please refer to the warranty card included in your product packaging for specific terms and conditions. To activate your warranty and potentially receive a free extension, visit the official Sainlogic warranty website: www.sainlogicwarranty.com.

For any questions, technical support, or service requests, please contact Sainlogic customer support through their official channels. Keep your purchase receipt and product model number handy for faster assistance.

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