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sainlogic SC-16

Sainlogic Mini Chainsaw User Manual

Model: SC-16 | Brand: Sainlogic

Introduction

Thank you for choosing the Sainlogic Mini Chainsaw. This cordless electric handheld chainsaw is designed for efficient and convenient cutting of branches and small logs in garden and forest environments. To ensure safe operation and optimal performance, please read this manual thoroughly before using the product and keep it for future reference.

Important Safety Instructions

General Safety Warnings

- Always wear appropriate personal protective equipment (PPE) including safety glasses, gloves, and sturdy footwear when operating the chainsaw.
- Ensure your work area is clear of obstacles, debris, and bystanders. Maintain a safe distance from others.
- Keep a firm grip on the chainsaw with both hands during operation.
- Do not operate the chainsaw in wet conditions or near flammable liquids or gases.
- Before performing any maintenance, cleaning, or storage, always remove the battery from the chainsaw.
- Inspect the chainsaw for any damage or loose parts before each use. Do not operate if damaged.

Package Contents

Your Sainlogic Mini Chainsaw package includes the following items:



Image: The complete Sainlogic Mini Chainsaw kit, including the chainsaw, two batteries, charger, spare chain, safety goggles, and gloves, all neatly packed in a durable carrying case.

- Sainlogic Mini Chainsaw Unit
- 2 x Lithium-Ion Batteries (21V, 2.0Ah)
- Battery Charger
- Saw Chain (pre-installed)
- Spare Saw Chain
- Safety Goggles
- Work Gloves
- Carrying Case
- User Manual (this document)

Components Overview

Familiarize yourself with the main parts of your mini chainsaw:



Image: A close-up showing key features of the chainsaw, including the protective baffle, chain, lock-off switch, lock button, and comfortable handle.

- **Protective Baffle:** A 90-degree opening and closing baffle to prevent wood chips from splashing.
- **Chain:** Sharp knives and tough chains for effective cutting.
- **Lock-Off Switch:** Ensures the chain is not easy to fall off and provides quick locking.
- **Lock Button:** A safety feature that must be pressed before the trigger can be engaged.
- **Comfortable Handle:** Ergonomically designed to prevent falling off and protect the arm.
- **Battery Slot:** Location for inserting the 21V Lithium-Ion battery.
- **Oil Reservoir:** For lubricating the chain during operation.

Setup and Assembly

1. Charging the Battery

Before first use, fully charge both included lithium-ion batteries. Connect the charger to a power outlet and then plug the charging cable into the battery pack. The indicator light on the charger will show the charging status. Once fully charged, disconnect the battery.



Image: Two high-capacity 21V 2.0Ah Li-ion batteries, ready for charging with the provided power adapter.

2. Installing the Chain and Guide Bar

The chainsaw comes with a pre-installed chain. If you need to replace or adjust the chain, follow these steps:

1. Ensure the battery is removed from the chainsaw.
2. Locate the chain adjustment knob on the side of the chainsaw.
3. Loosen the knob to allow the guide bar to move freely.
4. Carefully place the chain around the guide bar, ensuring the cutting teeth are facing the correct direction.
5. Fit the chain onto the sprocket.
6. Adjust the chain tension by turning the knob until the chain is snug but can still be pulled freely around the guide bar by

hand. It should not sag from the guide bar.

7. Tighten the adjustment knob securely.



Image: The tool-free chain adjustment system, highlighting the ease of tensioning and securing the chain without additional tools.

3. Filling Chain Oil

The chainsaw requires chain lubricant for smooth operation and to prolong chain life. Locate the oil reservoir cap on the top of the chainsaw. Unscrew the cap and fill the reservoir with appropriate chainsaw bar and chain oil. Replace the cap securely. Periodically press the manual oil pump button to ensure the chain is adequately lubricated during use.

Operating Your Mini Chainsaw

1. Starting and Stopping

To start the chainsaw, first ensure a charged battery is inserted. Press and hold the safety lock button (usually located on the side of the handle) with your thumb, then squeeze the trigger switch with your fingers. The chainsaw will begin to operate. To stop, simply release the trigger switch. The safety lock button ensures accidental starts are prevented.

2. Battery Level Indicator

The chainsaw features a digital display on the battery housing that shows the remaining battery percentage. This allows you to monitor power levels and plan for battery swaps or recharges, ensuring uninterrupted work.

3. Cutting Techniques

When cutting, always maintain a stable stance and a firm grip. Allow the chainsaw to do the work; do not force it through the material. For branches, cut from the top down to avoid pinching the blade. For larger pieces, make a relief cut on the underside first to prevent splintering. Always be aware of kickback potential and maintain proper body positioning.



Image: A user demonstrating the effective cutting capability of the Sainlogic Mini Chainsaw on a log in an outdoor setting.

Maintenance

1. Chain Maintenance

- **Sharpening:** Regularly check the sharpness of the chain. A dull chain will not cut efficiently and can cause kickback. Sharpen the chain using a suitable chain file or have it professionally sharpened.
- **Replacement:** Replace the chain when it becomes excessively worn, damaged, or can no longer be sharpened effectively. Refer to the spare chain provided or purchase a compatible replacement.

2. Cleaning

- After each use, remove the battery and clean the chainsaw.
- Use a brush or compressed air to remove sawdust, wood chips, and debris from the chain, guide bar, and motor housing.
- Wipe down the exterior with a damp cloth. Do not use harsh chemicals or abrasive cleaners.

3. Storage

- Store the chainsaw in its original carrying case in a dry, secure location, out of reach of children.
- Ensure the battery is removed and stored separately in a cool, dry place.
- If storing for extended periods, partially charge the batteries (around 50%) to maintain battery health.

Troubleshooting

Refer to the table below for common issues and their potential solutions:

Problem	Possible Cause	Solution
Chainsaw does not start.	Battery not charged or not inserted correctly. Safety lock button not pressed.	Ensure battery is fully charged and properly inserted. Press the safety lock button before squeezing the trigger.
Chain is not cutting efficiently.	Dull chain. Incorrect chain tension. Lack of chain oil.	Sharpen or replace the chain. Adjust chain tension. Fill oil reservoir and ensure lubrication.
Chainsaw stops during operation.	Battery low. Overload protection activated.	Recharge or replace battery. Reduce cutting pressure; allow motor to cool if overheated.
Excessive vibration.	Loose chain. Damaged chain or guide bar.	Adjust chain tension. Inspect chain and guide bar for damage and replace if necessary.

Product Specifications



Image: Visual representation of the chainsaw's powerful pure copper motor, highlighting its 21V supply voltage, 5000r/min chain speed, and 1000W power output.

Feature	Specification
Model Number	SC-16
Bar Length	8 inches
Motor Type	Brushed Motor
Power	1000W
Supply Voltage	21V
Chain Speed	5000 r/min
Item Weight	2.76 pounds
Product Dimensions	17.72 x 5.91 x 3.54 inches
Batteries	2 Lithium Ion batteries (included)

Warranty and Support

Sainlogic products are manufactured to high-quality standards. For specific warranty information, please refer to the warranty card included in your package or visit the official Sainlogic website. If you encounter any issues or require technical assistance, please contact Sainlogic customer support through the contact information provided on the product packaging or their official website. Please have your model number (SC-16) and purchase details ready when contacting support.

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