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› Avhrit 8-inch Mini Cordless Chainsaw DL07 User Manual

Avhrit DL07

Avhrit 8-inch Mini Cordless Chainsaw

Model: DL07

Brand: Avhrit

1. PRODUCT OVERVIEW

The Avhrit 8-inch Mini Cordless Chainsaw (Model DL07) is a powerful and versatile tool designed for pruning branches, cutting firewood, and various yard and garden tasks. It features an upgraded brushless motor for enhanced efficiency and durability, an automatic chain lubrication system, and long-lasting lithium-ion batteries for extended operation.



Figure 1.1: Avhrit 8-inch Mini Cordless Chainsaw and Included Accessories.

2. SAFETY INSTRUCTIONS

Always prioritize safety when operating power tools. Read and understand all safety warnings and instructions before use. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

2.1 General Safety Precautions

- **Wear appropriate personal protective equipment (PPE):** Always wear safety glasses, gloves, and sturdy footwear. Hearing protection is also recommended.
- **Maintain a clear work area:** Ensure the area around you is free from obstacles, debris, and bystanders.
- **Secure your footing:** Work from a stable and balanced position. Avoid overreaching.
- **Inspect the tool before each use:** Check for any damage, loose parts, or worn components. Ensure the chain is properly tensioned and lubricated.

- **Keep hands away from the chain:** Never touch the chain when the tool is powered on or connected to a battery.
- **Avoid accidental starting:** The chainsaw is equipped with a safety lock switch to prevent unintentional operation. Always engage the safety lock when not cutting.
- **Protect against flying debris:** The guide splash guard helps contain wood chips. However, always keep a safe distance and ensure no one is in the path of flying debris.
- **Do not operate in wet conditions:** Avoid using the chainsaw in rain or damp environments to prevent electric shock.



Figure 2.1: Proper Grip and Safety Features.

3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon opening the package:

- Avhrit Mini Chainsaw Unit (8-inch)

- 2 x 4000mAh Lithium-Ion Batteries
- Battery Charger
- Chainsaw Chain(s)
- Screwdriver (for minor adjustments if needed)
- Safety Glasses
- Work Gloves
- Carrying Bag
- User Manual (this document)



Figure 3.1: All Included Components.

4. PRODUCT FEATURES

4.1 Upgraded Brushless Motor

The chainsaw is equipped with a new 900W brushless motor, offering superior energy efficiency, faster cutting speed, and a longer lifespan compared to traditional brushed motors. This design also effectively prevents overheating and smoking issues.



Figure 4.1: Brushless Motor Advantages.

4.2 Automatic Chain Lubrication System

The Avhrit mini chainsaw features a 30ml oil tank. Simply pour standard lubricating oil into the tank and press the oil pump button to lubricate the chain, ensuring smooth operation and extended chain life.



Figure 4.2: Chain Lubrication System.

4.3 Tool-Free Chain Tension Adjustment

An innovative tool-free automatic chain adjustment system allows you to easily adjust chain tension by simply rotating a button, minimizing maintenance efforts.



Figure 4.3: Tool-Free Chain Tension Adjustment.

4.4 Long-Lasting Batteries

Equipped with two 4.0Ah batteries, providing ample power for small to medium cutting tasks. A full charge takes 2-3 hours, offering 50-60 minutes of continuous operation. Batteries include intelligent protection features against overcharge and overheating.

21V 4000mAh Battery



Figure 4.4: Battery Charging and Performance.

4.5 Lightweight and Ergonomic Design

Weighing only 1.5 kg (approximately 3.3 lbs), this 8-inch mini chainsaw is designed for comfortable one-handed operation, reducing fatigue during prolonged use. Its compact design makes it suitable for various users, including women and seniors.



Figure 4.5: Lightweight Design for Easy Handling.

5. SETUP

5.1 Charging the Battery

1. Connect the charger to a standard power outlet.
2. Insert the battery into the charger. The indicator light on the charger will show the charging status.
3. Allow 2-3 hours for a full charge. Disconnect the battery once fully charged to prolong its lifespan.

5.2 Installing the Chain and Guide Bar

1. Ensure the battery is removed from the chainsaw before installation.
2. Carefully place the chain around the guide bar, ensuring the cutting teeth are facing the correct direction (refer to markings on the chain and guide bar).
3. Align the guide bar and chain with the chainsaw's sprocket and mounting studs.

4. Secure the guide bar cover and tighten the retaining knob.

5.3 Adjusting Chain Tension

Proper chain tension is crucial for safe and efficient operation. The chain should be snug against the guide bar but still able to be pulled freely by hand.

1. With the guide bar cover secured, rotate the tool-free tension adjustment knob (red knob on the side) clockwise to increase tension, or counter-clockwise to decrease tension.
2. Check the tension by pulling the chain away from the guide bar. The drive links should remain in the guide bar groove, and the chain should snap back into place when released.

5.4 Filling the Oil Tank

The chainsaw requires lubricating oil for the chain and guide bar. Use standard chainsaw bar and chain oil.

1. Locate the oil tank cap (usually near the guide bar).
2. Unscrew the cap and carefully fill the 30ml oil tank with bar and chain oil. Avoid overfilling.
3. Securely replace the oil tank cap.

6. OPERATING INSTRUCTIONS

6.1 Starting the Chainsaw

1. Ensure the battery is fully charged and securely inserted into the chainsaw.
2. Grip the chainsaw firmly with both hands (if using the detachable grip) or one hand (for lighter tasks).
3. To start, first press and hold the safety lock button (usually located near the trigger).
4. While holding the safety lock button, press the trigger switch to activate the chain. Release the safety lock button once the chain starts moving.

6.2 Making a Cut

Always ensure the chain is at full speed before making contact with the material to be cut.

- Position the chainsaw so the bottom of the guide bar makes contact with the branch or wood.
- Apply light, steady pressure. Let the chainsaw do the work; do not force it through the material.
- Be aware of kickback, especially when cutting with the tip of the guide bar.
- For larger branches, make relief cuts to prevent pinching the guide bar.

Larger **8 Inch** Cutting Size



Figure 6.1: Chainsaw in Action.

6.3 Stopping the Chainsaw

Release the trigger switch to stop the chain. The chain should stop quickly. Always remove the battery when the chainsaw is not in use or before performing any maintenance.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Avhrit mini chainsaw.

7.1 Chain Lubrication

Continuously monitor the oil level in the tank. Press the oil pump button periodically during operation to ensure the chain remains adequately lubricated. This prevents excessive wear and heat buildup.

7.2 Chain Tension

Check chain tension frequently, especially during initial use and after prolonged cutting. A loose chain can derail, causing damage or injury. Adjust using the tool-free knob as described in Section 5.3.

7.3 Cleaning

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

7.4 Battery Care and Storage

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- For long-term storage, charge batteries to approximately 50% capacity.
- Do not store batteries in a discharged state.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Chainsaw does not start.	Battery not charged or improperly inserted. Safety lock not engaged.	Ensure battery is fully charged and securely inserted. Press and hold the safety lock button before pressing the trigger.
Chain is loose or derails.	Improper chain tension. Worn chain or guide bar.	Adjust chain tension using the knob (Section 5.3). Inspect chain and guide bar for wear and replace if necessary.
Poor cutting performance.	Dull chain. Insufficient lubrication. Incorrect chain tension.	Sharpen or replace the chain. Ensure oil tank is filled and lubrication pump is working. Adjust chain tension.
Chainsaw overheats.	Prolonged heavy use. Insufficient lubrication.	Allow the tool to cool down. Ensure proper chain lubrication. Avoid forcing the saw.

9. SPECIFICATIONS

Attribute	Value
Brand	Avhrit
Model Number	DL07
Product Dimensions	41.5 x 33.5 x 11.5 cm
Item Weight	3 kg (6.6 lbs)
Battery Type	Lithium-Ion
Battery Capacity	2 x 4000mAh (8000mAh total)

Attribute	Value
Voltage	21 Volts
Wattage	900 Watts
Chain Length	8 Inches
Chain Speed	25.6 FT/S

10. WARRANTY AND SUPPORT

Avhrit is committed to providing world-class products and services. While specific warranty details are not provided in this manual, for any product-related inquiries, technical assistance, or support needs, please contact Avhrit customer service through the retailer or the official brand channels. Our sales assistance team is dedicated to helping you with any questions or issues you may encounter.

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