

[Manuals.plus](#) /

› [LUX-TOOLS](#) /

› LUX-TOOLS A-KS-20/25 Cordless Chainsaw User Manual

LUX-TOOLS A-KS-20/25

LUX-TOOLS A-KS-20/25 Cordless Chainsaw User Manual

Model: A-KS-20/25

1. Introduction

Thank you for choosing the LUX-TOOLS A-KS-20/25 Cordless Chainsaw. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before first use and keep it for future reference.

The LUX-TOOLS A-KS-20/25 is a powerful 20V cordless chainsaw designed for various cutting tasks, such as pruning branches and cutting firewood. It features a 12-inch Oregon guide bar, a cutting length of 25 cm, automatic chain lubrication, and a brushless motor for enhanced efficiency and durability. This tool is part of the LUX-TOOLS 1PowerSystem, meaning it operates with separately available 20V Lithium-Ion batteries (2 Ah or 4 Ah).



Image 1.1: The LUX-TOOLS A-KS-20/25 Cordless Chainsaw, featuring its guide bar and chain.

2. Safety Instructions

Operating a chainsaw can be dangerous if proper safety precautions are not followed. Always prioritize your safety and the safety of others.

2.1 GENERAL SAFETY WARNINGS

- **Read the entire manual:** Understand all instructions and warnings before operating the chainsaw.
- **Wear appropriate personal protective equipment (PPE):** This includes safety glasses, hearing protection, gloves, sturdy footwear, and leg protection (chainsaw chaps).
- **Keep bystanders away:** Ensure children, pets, and other people are at a safe distance (at least 15 meters) from the work area.
- **Inspect the work area:** Clear obstacles, ensure stable footing, and be aware of potential hazards like power lines or hidden objects.
- **Maintain a firm grip:** Always hold the chainsaw with both hands, with thumbs and fingers encircling the handles.
- **Avoid kickback:** Be aware of the kickback danger zone at the tip of the guide bar. Never cut with the tip.
- **Do not overreach:** Maintain proper balance and footing at all times.
- **Do not operate in wet conditions:** Avoid using the chainsaw in rain or damp environments.
- **Store safely:** When not in use, store the chainsaw in a dry, secure place, out of reach of children, with the guide bar cover in place and battery removed.

2.2 BATTERY SAFETY

- Use only LUX-TOOLS 1PowerSystem 20V Lithium-Ion batteries and chargers.
- Do not expose batteries to heat, direct sunlight, or water.
- Do not short-circuit battery terminals.
- Remove the battery from the chainsaw when not in use, before cleaning, maintenance, or transport.
- Dispose of batteries responsibly according to local regulations.



Image 2.1: The LUX-TOOLS A-KS-20/25 Chainsaw is sold without a battery and charger, which must be purchased separately.

3. Product Components

Familiarize yourself with the parts of your LUX-TOOLS A-KS-20/25 Chainsaw.



Image 3.1: Side view of the chainsaw, showing the guide bar, chain, and main housing.



Image 3.2: Top view of the chainsaw, highlighting the battery compartment and oil cap.

KEY COMPONENTS:

1. **Guide Bar:** Supports the saw chain.
2. **Saw Chain:** The cutting element.
3. **Chain Brake / Handguard:** Safety device to stop the chain and protect the hand.
4. **Front Handle:** For stable two-hand operation.
5. **Rear Handle:** Main grip with trigger and safety button.
6. **Oil Tank Cap:** For filling chain lubrication oil.
7. **Oil Level Indicator:** Shows the current oil level.
8. **Trigger Switch:** Activates the motor.
9. **Safety Button:** Must be pressed simultaneously with the trigger to operate.
10. **Chain Tensioning Knob:** For adjusting chain tension.
11. **Battery Slot:** Where the 20V 1PowerSystem battery is inserted.

4. Setup

4.1 INSTALLING THE GUIDE BAR AND CHAIN

Your chainsaw may come with the guide bar and chain pre-installed. If not, follow these steps:

1. Ensure the battery is removed.
2. Loosen the chain tensioning knob and remove the side cover.
3. Place the chain around the sprocket and guide bar, ensuring the cutting edges face the correct direction.
4. Fit the guide bar onto the mounting studs and align the chain with the guide bar groove.
5. Replace the side cover and lightly tighten the chain tensioning knob.

4.2 ADJUSTING CHAIN TENSION

Correct chain tension is crucial for safe and efficient operation. The chain should be snug against the guide bar but still able to be pulled around by hand. It should not sag on the underside of the guide bar.

1. Ensure the battery is removed.
2. Loosen the side cover nuts slightly (if applicable, or ensure the chain tensioning knob is not fully tightened).
3. Turn the chain tensioning knob clockwise to increase tension, or counter-clockwise to decrease tension.
4. Once the correct tension is achieved, fully tighten the side cover nuts (if applicable, or ensure the chain tensioning knob is secure).



Image 4.1: A user demonstrating the adjustment of chain tension using the integrated knob.

4.3 FILLING CHAIN OIL

The chainsaw features automatic chain lubrication. It is essential to keep the oil tank filled with appropriate chain lubricant.

1. Ensure the battery is removed.
2. Place the chainsaw on a flat, stable surface.
3. Unscrew the oil tank cap.
4. Carefully fill the tank with high-quality chain lubricant, avoiding spillage.
5. Monitor the oil level using the oil level indicator. Do not overfill.
6. Securely replace the oil tank cap.



Image 4.2: A close-up view of the oil tank cap and the transparent oil level indicator, showing the oil reservoir.

4.4 INSERTING THE BATTERY

The LUX-TOOLS A-KS-20/25 operates with a 20V 1PowerSystem battery (sold separately).

1. Ensure the battery is fully charged.
2. Align the battery with the battery slot on the chainsaw.
3. Slide the battery into the slot until it clicks securely into place.
4. To remove, press the battery release button and slide the battery out.

5. Operating Instructions

5.1 STARTING THE CHAINSAW

Before starting, ensure all safety checks are complete, including proper chain tension, sufficient chain oil, and a securely inserted battery.

1. **Release the Chain Brake:** Pull the handguard firmly backwards towards the rear handle until it clicks. This disengages the chain brake.
2. **Grip the Chainsaw:** Hold the chainsaw firmly with both hands, one on the front handle and one on the rear handle, ensuring a secure grip.
3. **Activate:** Simultaneously press the safety button (located on the rear handle) and then squeeze the trigger switch. The chain will begin to move.

5.2 CUTTING TECHNIQUES

Always maintain a stable stance and keep the chainsaw balanced. Let the chainsaw do the work; do not force it.

- **Felling small trees:** Plan your escape route. Make a notch cut on the side of the tree in the direction of the fall, then make a felling cut from the opposite side, slightly above the notch.
- **Limbing:** Remove branches from a fallen tree. Work from the base towards the top, cutting smaller branches first. Be aware of branches under tension.
- **Bucking:** Cutting a fallen log into smaller sections. Support the log to prevent pinching the guide bar. Cut from the top down or bottom up depending on the log's support.



Image 5.1: A user demonstrating the chainsaw in operation, cutting through a log with proper two-hand grip.

5.3 STOPPING THE CHAINSAW

Release the trigger switch. The chain will stop. For immediate chain stoppage, push the handguard forward to engage the chain brake.

6. Maintenance

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

6.1 CLEANING

- Always remove the battery before cleaning.
- Use a brush or compressed air to remove sawdust, chips, and debris from the motor housing, cooling vents, and chain area.
- Clean the guide bar groove to ensure proper chain movement.
- Wipe down exterior surfaces with a damp cloth. Do not use harsh chemicals.

6.2 CHAIN SHARPENING

A sharp chain is essential for efficient and safe cutting. A dull chain will produce fine sawdust instead of chips and require more force to cut.

- Refer to the chain manufacturer's instructions for the correct file size and sharpening angles.
- Sharpen each cutter evenly.
- If unsure, have the chain professionally sharpened.

6.3 GUIDE BAR MAINTENANCE

- Regularly clean the guide bar groove to remove debris.
- Flip the guide bar periodically to ensure even wear.
- Check for burrs on the guide bar rails and file them smooth if present.

6.4 CHAIN OIL LEVEL

Always check the chain oil level before each use and refill as necessary. Never operate the chainsaw without chain oil, as this will cause rapid wear to the chain and guide bar.

6.5 STORAGE

- Remove the battery before storing.
- Clean the chainsaw thoroughly.
- Apply the guide bar cover.
- Store in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.
- Keep out of reach of children.



Image 6.1: A user placing the protective guide bar cover onto the chainsaw for safe storage or transport.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Chainsaw does not start	Battery not inserted correctly Battery discharged Chain brake engaged Safety button not pressed	Reinsert battery securely Charge battery Release chain brake (pull handguard back) Press safety button simultaneously with trigger
Chain does not move	Chain brake engaged Chain jammed by debris Incorrect chain tension	Release chain brake Remove battery, clear debris Adjust chain tension

Problem	Possible Cause	Solution
Poor cutting performance	Dull chain Incorrect chain tension Insufficient chain oil	Sharpen or replace chain Adjust chain tension Refill chain oil tank
No chain oil on guide bar	Oil tank empty Oil port clogged	Refill oil tank Remove battery, clean oil port

If you encounter problems not listed here or if the suggested solutions do not resolve the issue, please contact LUX-TOOLS customer support or your retailer.

8. Specifications

Technical data for the LUX-TOOLS A-KS-20/25 Cordless Chainsaw.

Feature	Specification
Model	A-KS-20/25
Brand	LUX-TOOLS
Drive Type	Battery-powered
Voltage	20V (1PowerSystem)
Guide Bar Length	12 inches (Oregon)
Cutting Length	25 cm
Chain Speed	6 m/s
Motor Type	Brushless
Chain Lubrication	Automatic
Product Dimensions (L x W x H)	25 x 23 x 44 cm
Item Weight (without battery)	4 Kilograms
Batteries Included	No (sold separately)
Charger Included	No (sold separately)

9. Warranty and Support

9.1 WARRANTY INFORMATION

Specific warranty terms and conditions for the LUX-TOOLS A-KS-20/25 Cordless Chainsaw may vary by region and retailer. Please retain your proof of purchase. For detailed warranty information, refer to the documentation provided with your product or contact your point of purchase.

9.2 CUSTOMER SUPPORT

Should you require assistance with your LUX-TOOLS A-KS-20/25 Chainsaw, including technical support, spare parts, or service, please contact the retailer from whom you purchased the product or visit the official LUX-TOOLS website for contact information.