KIESBOHR CSX001

KIESBOHR CSX001 12-Inch Cordless Chainsaw User Manual

Model: CSX001

1. Introduction

Thank you for choosing the KIESBOHR CSX001 12-inch Cordless Chainsaw. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new tool. Please read all instructions carefully before use and retain this manual for future reference.
The KIESBOHR CSX001 is a powerful and versatile cordless electric chainsaw designed for various cutting tasks, compatible with Makita 18V batteries (battery and charger not included). It features a brushless motor, automatic chain lubrication, and automatic chain tensioning for enhanced performance and user convenience.

2. Important Safety Information

WARNING: Always wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, gloves, and sturdy footwear when operating the chainsaw. Read and understand all safety warnings and instructions before operating this tool.

General Safety Guidelines:

- Keep work area clean and well-lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Always maintain proper footing and balance. Do not overreach.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.
- Avoid accidental starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the tool.
- Do not force the power tool. Use the correct power tool for your application.
- Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation.

Chainsaw Specific Safety Features:

- **Instant Electronic Brake:** Designed to stop the chain quickly upon release of the trigger or in case of kickback, enhancing user safety.
- **Interlocked Two-button Start:** Requires simultaneous activation of a safety lock and power switch to prevent accidental starting.
- **Main and Secondary Handles:** Provide optimal balance and control during operation, reducing fatigue and improving handling.

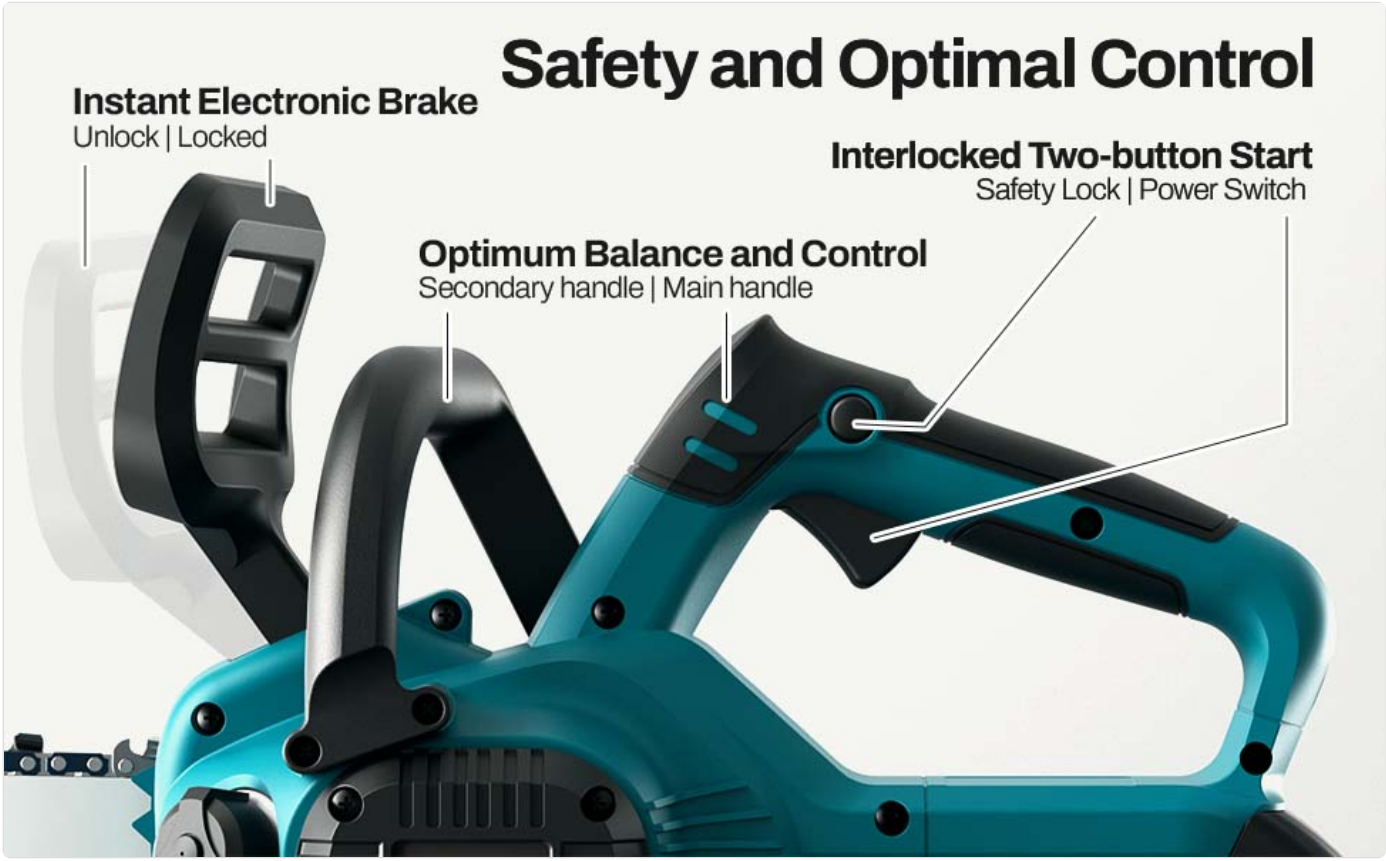


Figure 2.1: Safety and Control Features

3. Package Contents

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

- 1 x KIESBOHR CSX001 Chainsaw Body (Tool Only)
- 1 x 12-inch Guide Bar
- 2 x Chains

Note: Battery and charger are not included and must be purchased separately. The CSX001 is compatible with Makita 18V batteries (e.g., BL1830, BL1840, BL1850, BL1860) but not with Makita Battery G Series.



Figure 3.1: Makita 18V Battery Compatibility

4. Product Features

4.1 Brushless Motor Technology

The KIESBOHR CSX001 is equipped with an advanced brushless motor. This technology provides higher efficiency, longer tool life, and reduced noise compared to traditional brushed motors. It also offers undervoltage, overload, and overheat protection for enhanced durability.



Figure 4.1: Brushless Motor Advantages

4.2 Automatic Chain Lubrication

The chainsaw features an automatic chain lubrication system with a 128ml oil tank and a chain oil visualization window. This system ensures continuous and adequate lubrication of the chain and guide bar during operation, maximizing their lifespan and maintaining cutting efficiency.



Figure 4.2: Automatic Chain Lubrication System

4.3 Automatic Chain Tensioning

A built-in spring device provides automatic chain tensioning, eliminating the need for frequent manual adjustments during work. This feature saves time and ensures optimal chain tension for consistent cutting performance and safety.



Figure 4.3: Automatic Chain Tensioner

4.4 Tool-Free Chain Replacement

The design allows for quick and easy tool-free chain replacement, simplifying maintenance and reducing downtime.



Figure 4.4: Automation Design Features

5. Setup and Assembly

The KIESBOHR CSX001 chainsaw is designed for easy assembly. Follow these general steps:

1. **Unpack Components:** Carefully remove all items from the packaging and check against the package contents list.
2. **Install Guide Bar and Chain:** Place the guide bar onto the chainsaw body. Carefully fit the chain around the sprocket and into the guide bar groove. Ensure the cutting edges of the chain are facing the correct direction (refer to markings on the chain or guide bar).
3. **Secure Cover:** Reattach the side cover and tighten the securing knob or lever. The automatic tensioning system will adjust the chain to the correct tension.
4. **Fill Oil Tank:** Open the oil cap and fill the chain oil tank with appropriate chain lubricant. Monitor the oil level through the visualization window.
5. **Insert Battery:** Ensure the chainsaw is switched off, then firmly insert a compatible Makita 18V battery into the battery slot until it clicks into place.

Always perform a visual inspection after assembly to ensure all parts are correctly installed and secured.

6. Operating Instructions

6.1 Pre-Operation Checklist:

- Ensure all safety gear (PPE) is worn.
- Check chain tension and ensure it is properly lubricated.
- Verify the battery is fully charged and securely installed.
- Inspect the work area for obstacles, bystanders, or unstable footing.

6.2 Starting the Chainsaw:

1. Grip the main handle firmly with one hand and the secondary handle with the other.
2. Press the safety lock button.
3. While holding the safety lock, press the power switch (trigger) to start the chain.

6.3 Cutting Techniques:

- Always hold the chainsaw with both hands.
- Allow the chain to reach full speed before contacting the material to be cut.
- Apply steady, even pressure. Do not force the saw.
- Be aware of kickback potential, especially when cutting with the tip of the guide bar.
- For cutting branches, ensure the branch is stable and supported.



Figure 6.1: Chainsaw in Operation

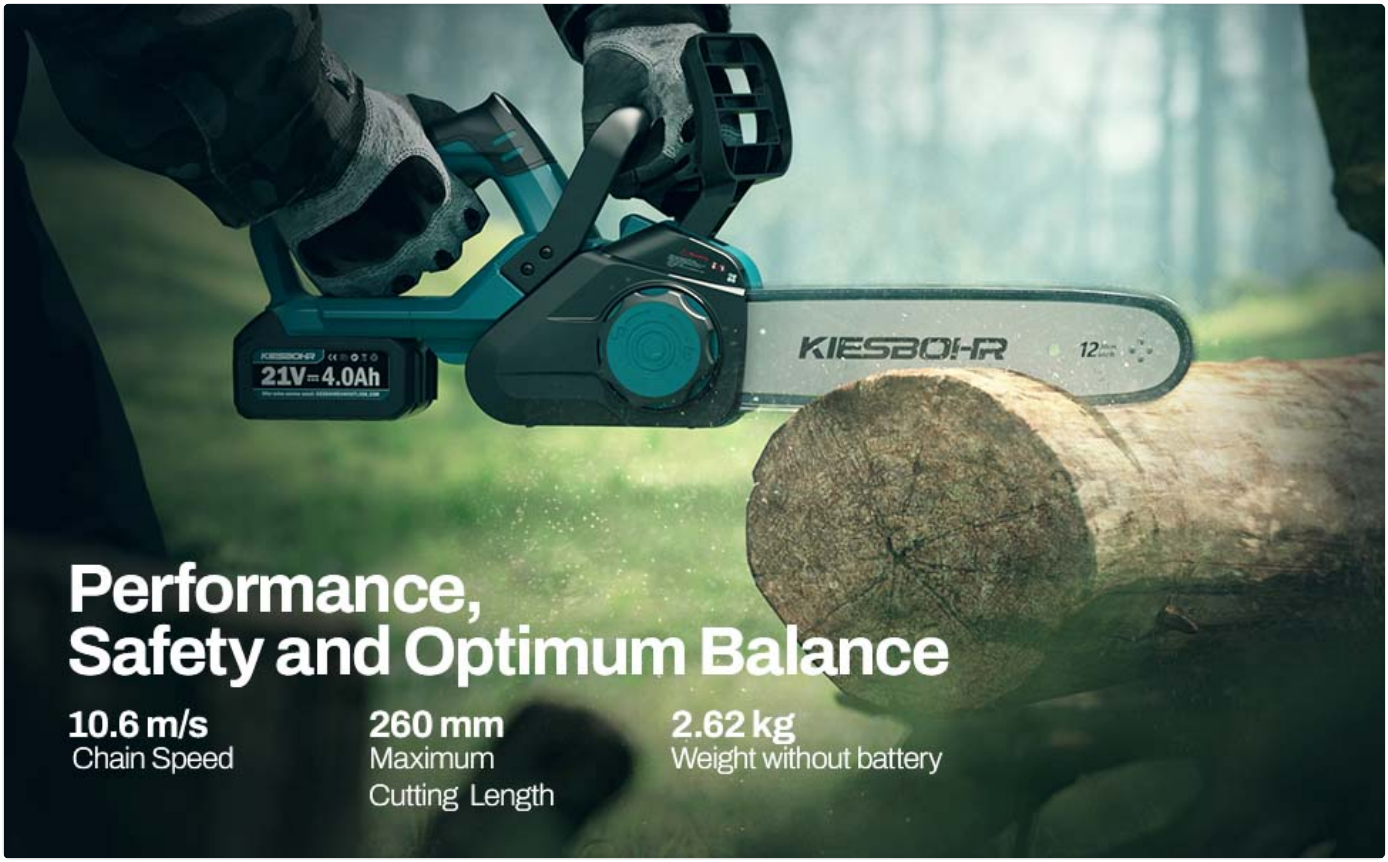


Figure 6.2: Performance and Balance

7. Maintenance

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

7.1 After Each Use:

- **Clean the Chainsaw:** Remove the battery. Use a brush or compressed air to clear sawdust, chips, and debris from the guide bar, chain, motor housing, and air vents.
- **Check Chain Sharpness:** A dull chain requires more force and can lead to kickback. Sharpen or replace the chain as needed.
- **Inspect Guide Bar:** Check for burrs or damage. Clean the guide bar groove.
- **Check Oil Level:** Refill the chain oil tank if necessary.

7.2 Periodic Maintenance:

- **Chain Replacement:** Replace worn or damaged chains promptly. The CSX001 supports tool-free chain replacement.
- **Sprocket Inspection:** Check the drive sprocket for wear. Replace if teeth are significantly worn.
- **General Inspection:** Periodically check all screws and fasteners for tightness. Inspect the power cord (if applicable) and battery contacts for damage.

8. Troubleshooting

This section addresses common issues you might encounter with your KIESBOHR CSX001 chainsaw.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Chainsaw does not start	Battery not inserted correctly or discharged; Safety lock not engaged; Power switch faulty.	Ensure battery is fully charged and properly seated; Press safety lock then power switch; Contact support if switch is faulty.
Chain does not move or moves slowly	Chain too tight; Chain dull or damaged; Obstruction in guide bar; Low battery power.	Check chain tension (automatic system should adjust); Sharpen or replace chain; Clear any obstructions; Recharge or replace battery.
Poor cutting performance	Dull chain; Incorrect chain direction; Insufficient chain lubrication.	Sharpen or replace chain; Verify chain is installed correctly; Ensure oil tank is full and automatic oiler is functioning.
Chain oil leakage	Overfilled oil tank; Damaged oil cap or seal; Chainsaw stored improperly.	Do not overfill oil tank; Inspect and replace damaged parts; Store chainsaw horizontally on a non-absorbent surface.
Excessive vibration	Damaged chain or guide bar; Loose components.	Inspect and replace damaged chain or guide bar; Check all fasteners for tightness.

9. Specifications

Feature	Specification
Model Number	CSX001
Guide Bar Length	12 inches (30.5 cm)
Power Source	Battery Powered (Compatible with Makita 18V)
Voltage	18 Volts
Power	900 Watts
Chain Speed	10.6 m/s
Product Dimensions (L x W x H)	25.4 x 20.32 x 38.1 cm
Item Weight (without battery)	2.62 Kilograms
Included Components	12-inch Guide Bar, 2 Chains, CSX001 Chainsaw Body

10. Warranty and Support

The KIESBOHR CSX001 Chainsaw comes with a 1-year warranty. For any inquiries, technical assistance, or warranty claims, please contact KIESBOHR customer service. We offer 24-hour worry-free service to ensure your satisfaction. For support, please refer to the contact information provided with your purchase or visit the official KIESBOHR website.

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