

ALEAPOW K4

ALEAPOW K4 Cordless Circular Saw

USER MANUAL

1. Introduction

Thank you for choosing the ALEAPOW K4 Cordless Circular Saw. This lightweight and powerful mini saw is designed for efficient cutting of various materials including wood, plastic, and soft metal. Its cordless design offers excellent mobility, making it ideal for both indoor and outdoor projects. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new tool.

Included Components:

- 1 × ALEAPOW Cordless Circular Saw
- 1 × 20V 2.0Ah Lithium-ion Battery
- 1 × 2A Fast Charger
- 1 × 4-1/2" 24T TCT Blade (for wood)
- 1 × 4-1/2" 60T HSS Blade (for soft metal/plastics)
- 1 × Parallel Guide
- 1 × Hex Key
- 1 × Vacuum Adapter

2. Safety Information

Always observe basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury. Read all instructions carefully before operating the saw.

General Safety Guidelines:

- Wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, and gloves.
- Keep the 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.
- Ensure the workpiece is securely clamped or held before cutting.

Specific Saw Safety Features:

- **Double Safety Switch:** The saw will only start after pressing both the safety switch and the on/off trigger simultaneously. This prevents accidental startup.
- **Blade Guard:** Always ensure the blade guard is functioning correctly and is not obstructed.
- **Laser Indicator:** The laser indicator is a Class 2 laser product. Do not stare directly into the laser beam.

3. Product Overview

Familiarize yourself with the components of your ALEAPOW K4 Cordless Circular Saw.

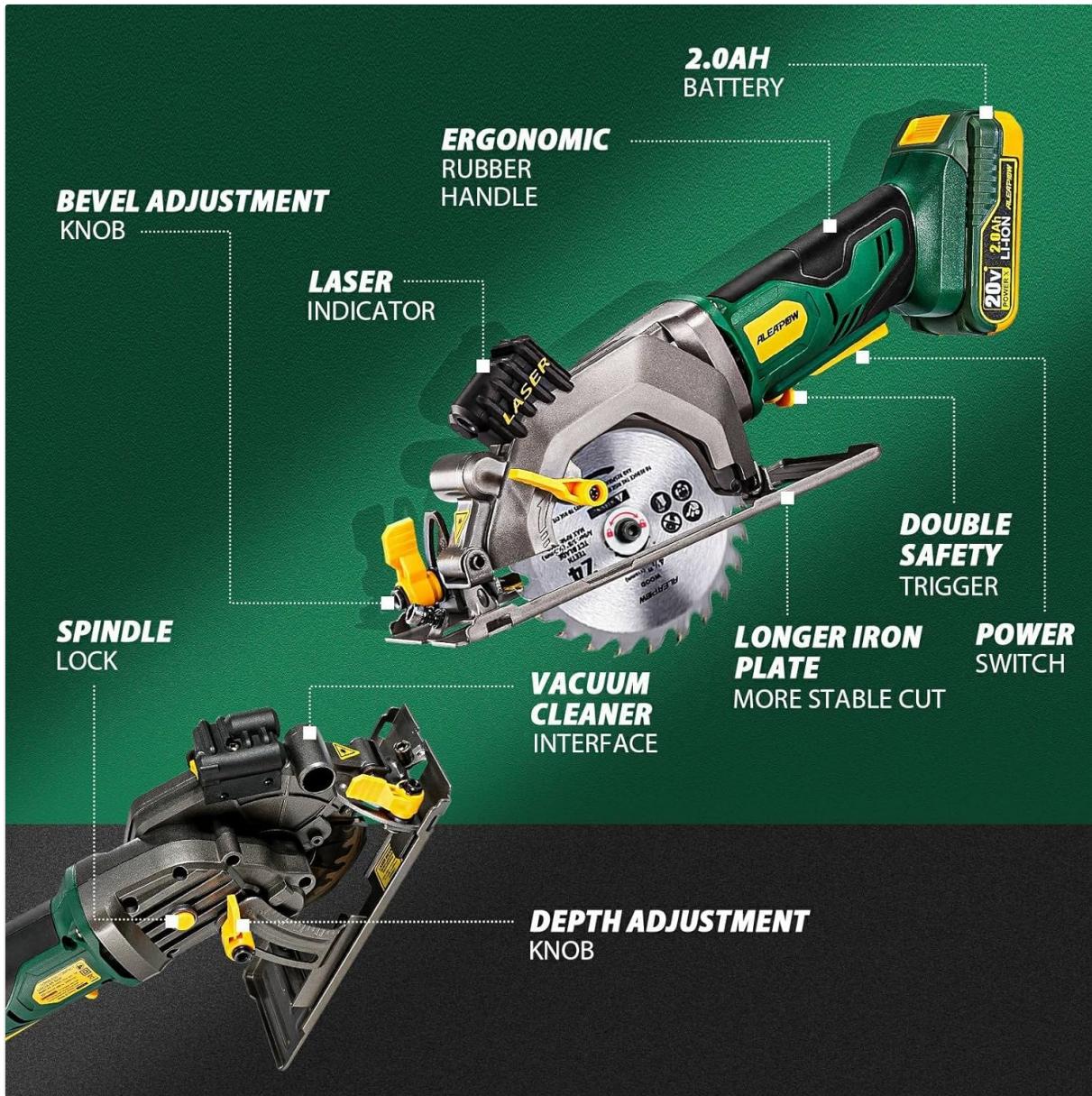


Figure 3.1: Key components of the ALEAPOW K4 Cordless Circular Saw, including the 2.0Ah battery, ergonomic rubber handle, laser indicator, double safety trigger, power switch, spindle lock, vacuum cleaner interface, bevel adjustment knob, longer iron plate, and depth adjustment knob.

Key Components:

- **2.0Ah Battery:** Provides cordless power.
- **Ergonomic Rubber Handle:** Designed for comfortable and secure grip.
- **Laser Indicator:** Projects a red line for precise cutting guidance.
- **Double Safety Trigger:** Requires simultaneous activation for operation.

- **Power Switch:** Main on/off control.
- **Spindle Lock:** Used to secure the blade for installation or removal.
- **Vacuum Cleaner Interface:** Allows connection to a vacuum for dust collection.
- **Bevel Adjustment Knob:** Adjusts the cutting angle from 0-45 degrees.
- **Depth Adjustment Knob:** Adjusts the cutting depth.

4. Specifications

Feature	Specification
Brand	ALEAPOW
Model	K4
Power Source	Battery Powered
Voltage	20 Volts (DC)
Battery Capacity	2.0Ah Lithium-ion
Charger	2A Fast Charger (1 hour full charge)
Speed	3400 RPM
Blade Size	4-1/2" (115mm)
Blade Arbor Size	3/8" (9.5mm)
Max Cutting Depth (90°)	1-11/16" (42.8mm)
Max Cutting Depth (45°)	1-1/8" (28mm)
Cutting Angle	0-45° Bevel
Item Weight	4.6 lbs (with battery) / 4.8 lbs (shipping)
Product Dimensions	15.98"L x 6.57"W x 5.94"H
Included Blades	24T TCT (Wood), 60T HSS (Soft Metal/Plastic)
Special Features	Depth Adjustment, Laser Guide, Parallel Guide, Vacuum Adapter

5. Setup

5.1 Battery Charging

The 20V 2.0Ah Lithium-ion battery should be fully charged before first use. The included 2A fast charger can fully charge the battery in approximately 1 hour.

1. Connect the charger to a standard power outlet.
2. Slide the battery onto the charger until it clicks into place.
3. The charger's indicator light will show the charging status. Refer to the charger's specific instructions for light indications.
4. Once fully charged, remove the battery from the charger.



Figure 5.1: The 20V 2.0Ah Li-Ion battery being charged on the 2A fast charger. The system includes multiple protections such as over voltage, over current, over discharge, over charge, over temperature, and short circuit protection.

5.2 Blade Installation/Removal

Always disconnect the battery before installing or removing the blade.

1. Press and hold the spindle lock button to prevent the blade from rotating.
2. Use the provided hex key to loosen the blade retaining screw.
3. Remove the outer flange and the old blade.
4. Place the new blade onto the spindle, ensuring the teeth are pointing in the direction of rotation indicated by the arrow on the saw and blade.
5. Replace the outer flange and tighten the blade retaining screw firmly with the hex key while holding the spindle lock.

BLADE ASSORTMENTS



SPECIAL FOR WOOD

24T TCT BLADE

4-1/2" x 3/8" (115mm x 9.5mm)



SPECIAL FOR METAL

60T HSS BLADE

4-1/2" x 3/8" (115mm x 9.5mm)

Figure 5.2: The two included blades: a 24T TCT blade suitable for wood cutting and a 60T HSS blade for plastics and soft metal cutting. Both are 4-1/2 inches in diameter.

5.3 Attaching Parallel Guide and Vacuum Adapter

- Parallel Guide:** Insert the parallel guide into the slot on the front of the saw's base plate and secure it with the locking screw. This helps achieve straight cuts.
- Vacuum Adapter:** Attach the vacuum adapter to the dust port on the saw. Connect a vacuum cleaner hose to the adapter to keep your work area clean and improve cut line visibility.

6. Operating Instructions

Ensure the battery is fully charged and securely inserted into the saw before operation.

6.1 Powering On/Off

To start the saw, simultaneously press the safety switch (usually a small button near the handle) and then squeeze the main trigger switch. To turn off, release the trigger switch.

6.2 Adjusting Cutting Depth

The cutting depth can be adjusted to suit the thickness of your material. Loosen the depth adjustment knob, set the desired depth, and then tighten the knob securely.

- Maximum cutting depth at 90°: 1-11/16" (42.8mm)
- Maximum cutting depth at 45°: 1-1/8" (28mm)

6.3 Adjusting Bevel Angle (0-45°)

For angled cuts, adjust the bevel angle. Loosen the bevel adjustment knob, tilt the base plate to the desired angle between 0 and 45 degrees, and then tighten the knob firmly.



Figure 6.1: The ALEAPOW K4 allows for 0-45 degree bevel cutting, with a maximum cutting depth of 1-1/8 inches at 45 degrees.

6.4 Using the Laser Guide

The integrated laser guide projects a red line onto your workpiece, assisting in maintaining a straight cutting path. Align the laser line with your marked cut line for increased precision.



WITH ADJUSTABLE LASER GUIDE & SCALE RULER

More precise for straight cutting

Figure 6.2: The adjustable laser guide and scale ruler provide enhanced precision for straight cuts, ensuring accuracy during operation.

6.5 Cutting Techniques

Always ensure the blade is spinning at full speed before engaging with the material. Apply steady, even pressure and allow the saw to do the work. Avoid forcing the saw through the material, as this can lead to kickback or damage to the tool/blade.



Figure 6.3: The ALEAPOW K4's compact design and ergonomic handle allow for comfortable one-handed operation, making it versatile for cutting wood, PVC pipes, and soft metals.

7. Maintenance

Regular maintenance ensures the longevity and optimal performance of your circular saw.

- **Cleaning:** After each use, clean the saw body, blade guard, and base plate with a dry cloth. Remove any sawdust or debris from the ventilation openings. Do not use solvents or abrasive cleaners.
- **Blade Care:** Inspect blades regularly for sharpness and damage. Replace dull or damaged blades promptly to ensure safe and efficient cutting.
- **Battery Storage:** Store batteries in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, charge the battery to approximately 50% capacity.
- **General Inspection:** Periodically check all screws and fasteners for tightness. Ensure the blade guard moves freely and retracts properly.

8. Troubleshooting

This section addresses common issues you might encounter with your ALEAPOW K4 Cordless Circular Saw.

Problem	Possible Cause	Solution
Saw does not start	Battery not charged or not inserted correctly; Safety switch not engaged; Faulty switch.	Ensure battery is charged and fully inserted. Press safety switch and trigger simultaneously. If issue persists, contact customer support.
Poor cutting performance / Excessive vibration	Dull or damaged blade; Incorrect blade for material; Blade not securely fastened.	Replace blade if dull or damaged. Ensure correct blade type is used for the material. Check blade fastening screw for tightness.
Battery not charging	Charger not plugged in; Faulty battery or charger; Battery too hot/cold.	Ensure charger is properly connected. Allow battery to reach room temperature. If issue persists, contact customer support.
Laser guide not working	Laser switch off; Obstructed laser aperture; Low battery.	Check if the laser switch is on. Clean the laser aperture. Ensure battery is sufficiently charged.

For issues not listed here or if solutions do not resolve the problem, please contact ALEAPOW customer support.

9. Warranty and Support

ALEAPOW products are manufactured to high-quality standards. For information regarding warranty coverage, returns, or technical support, please refer to the warranty card included with your product or visit the official ALEAPOW brand store.

Official ALEAPOW Brand Store: [Visit ALEAPOW Store on Amazon](#)

When contacting support, please have your product model (K4) and purchase information readily available.