

Heimerdinger Cordless Circular Saw

Heimerdinger 5 Inch Brushless Cordless Circular Saw User Manual

MODEL: CORDLESS CIRCULAR SAW

1. Important Safety Instructions

Always follow basic safety precautions when using this circular saw to reduce the risk of fire, electric shock, and serious personal injury. Read all instructions carefully before operation.

- **Work Area Safety:** Keep your 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.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- **Personal Safety:** Always wear eye protection (safety glasses or goggles) and hearing protection. Use a dust mask if operating in dusty conditions. Dress properly; do not wear loose clothing or jewelry. Keep hair, clothing, and gloves away from moving parts.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. It will do the job better and safer at the rate for which it was designed. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- **Circular Saw Specific Safety:**
 - Keep hands away from cutting area and the blade. Keep your second hand on the auxiliary handle, or motor housing. If both hands are holding the saw, they cannot be cut by the blade.
 - Do not reach underneath the workpiece. The guard cannot protect you from the blade below the workpiece.
 - Adjust the cutting depth to the thickness of the workpiece. Less than a full tooth of the blade should be visible below the workpiece.
 - Never hold the workpiece in your hands or across your leg while cutting. Secure the workpiece to a stable platform. It is important to support the workpiece properly to minimize body exposure, blade binding, or loss of control.

2. Package Contents

Verify that all items listed below are included in your package. If any parts are missing or damaged, please contact customer support.

- 1 x Cordless Circular Saw Body
- 1 x 5 inch/30T/20MM Arbor Saw Blade (for wood cutting)
- 1 x 4000mAh Battery
- 1 x Battery Charger
- 1 x Hex Wrench
- 1 x Scale Ruler
- 1 x T Wrench
- 1 x User Manual (this document)



Image 2.1: Contents of the Heimerdinger 5 Inch Brushless Cordless Circular Saw package, including the saw body, battery, charger, saw blade, hex wrench, scale ruler, and T wrench.

3. Product Overview

Familiarize yourself with the main components of your circular saw before operation.



Image 3.1: Side view of the circular saw, showing the blade guard, base plate, and handle.



Image 3.2: Opposite side view of the circular saw, highlighting the motor housing and battery slot.

- **Blade Guard:** Protects the user from the rotating blade. It retracts automatically during a cut.
- **Base Plate (Shoe):** Provides stability and guides the saw along the workpiece.
- **Handle:** Main grip for controlling the saw.
- **Trigger Switch:** Activates the motor.
- **Safety Lock-off Button:** Prevents accidental starting of the saw. Must be pressed before the trigger.
- **Depth Adjustment Lever:** Allows setting the cutting depth.
- **Bevel Adjustment Lever:** Allows setting the cutting angle (bevel).
- **Spindle Lock Button:** Used to lock the spindle for blade changes.
- **Battery Slot:** Where the 4000mAh battery is inserted.

4. Setup

4.1 Battery Installation and Charging

1. Ensure the battery is fully charged before first use. Connect the charger to a power outlet and insert the battery. The indicator light on the charger will show charging status.
2. To install the battery, align the battery pack with the slot on the saw handle and slide it in until it clicks into place.
3. To remove the battery, press the battery release button and slide the battery out.

4.2 Blade Installation

Always disconnect the battery before changing the blade.

1. Press and hold the spindle lock button.
2. Using the provided hex wrench, loosen the arbor bolt by turning it counter-clockwise.
3. Remove the outer flange and the old blade.
4. Install the new 5-inch or 4-1/2 inch blade (with a 20mm arbor) ensuring the teeth are pointing in the direction of rotation indicated by the arrow on the saw.
5. Replace the outer flange and tighten the arbor bolt clockwise with the hex wrench while holding the spindle lock button. Ensure the blade is securely fastened.

4.3 Adjusting Cutting Depth and Angle



Image 4.1: Illustration of the saw's adjustable cutting depth and angle features, allowing for precise cuts at various settings.

- **Cutting Depth:** Loosen the depth adjustment lever, move the base plate up or down to achieve the desired cutting depth (1-1/8" to 1-7/10"), and then securely tighten the lever. Ensure only a small portion of the blade extends below the workpiece.
- **Cutting Angle (Bevel):** Loosen the bevel adjustment lever, tilt the base plate to the desired angle (0° to 45°), and then securely tighten the lever.

5. Operating Instructions

Always ensure the workpiece is securely clamped and stable before making any cuts.

5.1 Starting and Stopping the Saw

1. To start the saw, first press the safety lock-off button, then squeeze the trigger switch.
2. To stop the saw, release the trigger switch. The blade will stop rotating.

5.2 General Cutting Techniques

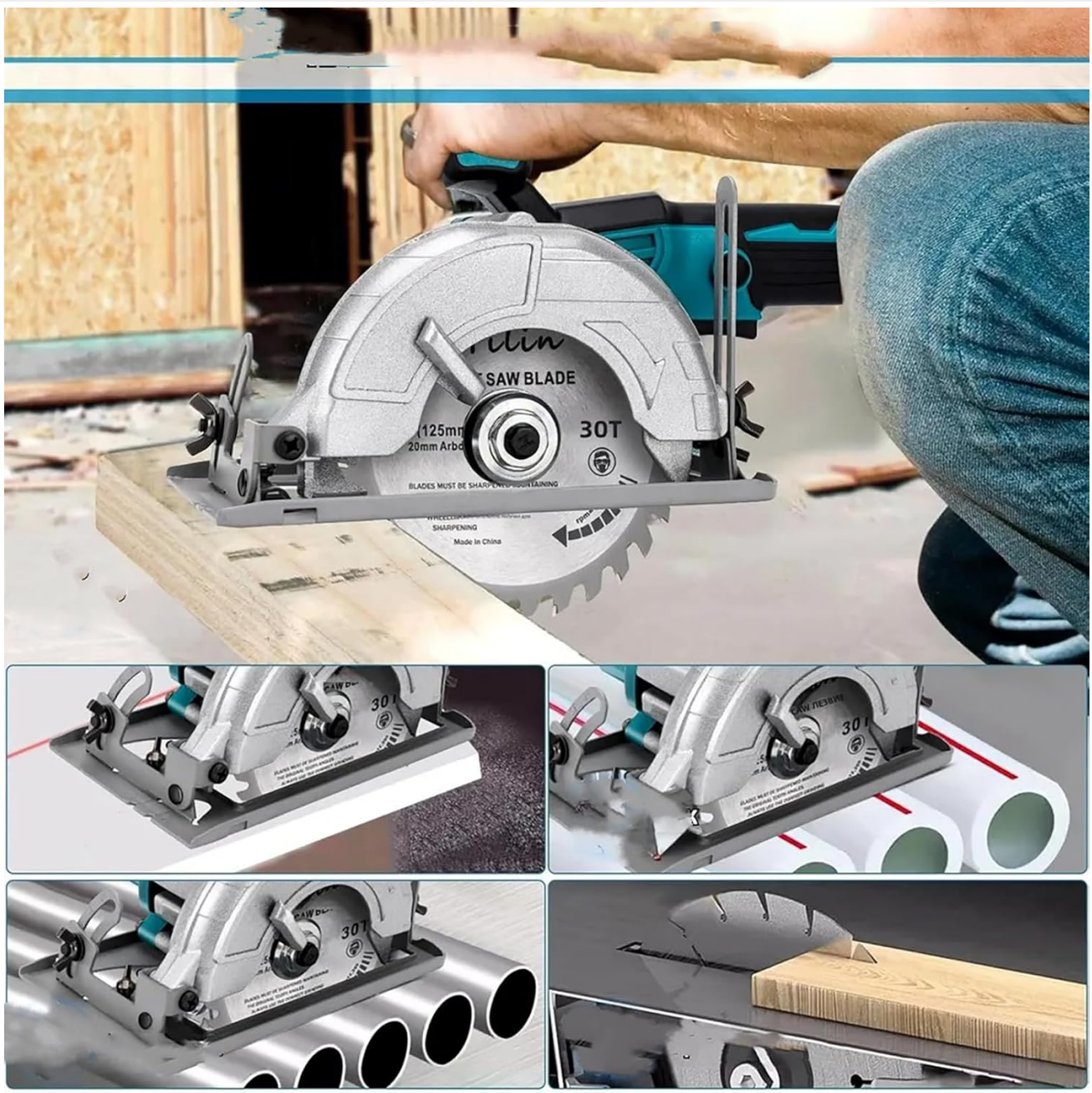


Image 5.1: The circular saw demonstrating its versatility by cutting through wood, soft metal, and PVC pipes.

- **Preparation:** Mark your cutting line clearly. Ensure the workpiece is stable and supported to prevent kickback.
- **Starting the Cut:** Place the front edge of the saw's base plate on the workpiece, ensuring the blade is clear of the material. Start the saw and allow the blade to reach full speed before beginning the cut.
- **Making the Cut:** Guide the saw smoothly along the cutting line. Do not force the saw; let the blade do the work. Maintain a firm grip with both hands.
- **Finishing the Cut:** Continue the cut until the saw passes completely through the workpiece. Release the trigger and allow the blade to stop before lifting the saw.

5.3 Material-Specific Considerations

- **Wood:** The included 30T TCT blade is designed for wood cutting. For different wood types or finishes, consider specialized blades.
- **Soft Metal, Tile, Aluminum Plastics, PVC Tubes:** While the saw is capable of cutting these materials, it is crucial to use appropriate blades specifically designed for them. The included wood blade is not suitable for these materials.

6. Maintenance

Regular maintenance ensures optimal performance and extends the life of your tool. Always disconnect the battery before performing any maintenance.

- **Cleaning:** Keep the saw's ventilation openings clean and free of debris to prevent overheating. Wipe down the tool with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Blade Care:** Inspect the saw blade regularly for sharpness and damage. A dull or damaged blade can cause kickback and poor cutting performance. Replace blades as needed.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not expose batteries to extreme temperatures. Follow charging instructions carefully.
- **General Inspection:** Periodically check all screws and fasteners for tightness. Ensure all moving parts operate smoothly.

7. Troubleshooting

This section addresses common issues you might encounter with your circular saw.

Problem	Possible Cause	Solution
Saw does not start	Battery not charged or improperly installed; Safety lock-off not engaged; Faulty switch.	Ensure battery is charged and correctly inserted. Press safety lock-off button before trigger. If problem persists, contact support.
Blade binds or cuts slowly	Dull or incorrect blade; Improper cutting depth; Workpiece not supported correctly; Forcing the saw.	Replace with a sharp, appropriate blade. Adjust cutting depth. Secure workpiece. Do not force the saw.
Excessive vibration	Loose blade or arbor bolt; Damaged blade; Internal issue.	Check blade and arbor bolt for tightness. Replace damaged blade. If issue continues, seek professional service.
Battery not charging	Charger not plugged in; Faulty battery or charger.	Ensure charger is properly connected. Test with another battery if available. Contact support for replacement if necessary.

8. Specifications

Key technical specifications for the Heimerdinger Cordless Circular Saw.



Image 8.1: Dimensions of the Heimerdinger 5 Inch Brushless Cordless Circular Saw.

Feature	Specification
Brand	Heimerdinger
Model Number	Cordless Circular Saw
Power Source	Battery Powered
Voltage	18 Volts (DC)
Motor Type	Brushless
No-Load Speed	6500 RPM
Compatible Blade Sizes	5-inch and 4-1/2 inch
Arbor Size	4/5 inch (20mm)
Included Blade	30T TCT Wood Blade
Adjustable Cutting Depth	1-1/8" to 1-7/10"
Adjustable Cutting Angle	0° to 45°
Battery Capacity	4000mAh Lithium Ion (included)
Product Dimensions	14.5"L x 15.5"W x 6.3"H
Item Weight	4.6 Pounds
Surface Recommendation	Wood (with included blade)
Handle Material	Plastic

9. Warranty and Support

The Heimerdinger 5 Inch Brushless Cordless Circular Saw comes with a limited warranty. Please refer to the warranty card included in your package for specific terms and conditions.

For technical assistance, troubleshooting not covered in this manual, or warranty claims, please contact Heimerdinger customer support through the retailer where the product was purchased or visit the official Heimerdinger website for contact information.

Please have your product model number (Cordless Circular Saw) and purchase date available when contacting support.