

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [BLACK+DECKER](#) /
- › [BLACK+DECKER 20V 5-1/2" Cordless Circular Saw Instruction Manual](#)

BLACK+DECKER BDCCS20B

BLACK+DECKER 20V 5-1/2" Cordless Circular Saw

MODEL: BDCCS20B - INSTRUCTION MANUAL

Your guide to safe and efficient operation.

1. Introduction

Thank you for choosing the BLACK+DECKER 20V MAX* POWERCONNECT 5-1/2 inch Cordless Circular Saw. This powerful, compact tool is designed for a range of DIY projects and home repairs, offering versatility and ease of use. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting to ensure optimal performance and longevity of your tool.

*Maximum initial battery voltage (measured without a workload) is 20 volts. Nominal voltage is 18 volts.

2. Safety Information

WARNING: Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

- Always wear appropriate personal protective equipment, including safety glasses, hearing protection, and gloves.
- Ensure the workpiece is securely clamped before cutting.
- Keep hands clear of the cutting area and the rotating blade.
- Do not operate the saw in wet or damp conditions.
- Use only recommended accessories and blades.

3. Components Overview

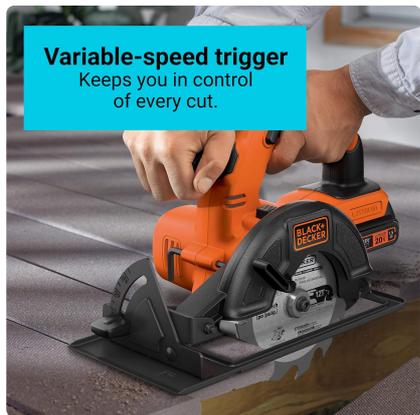
Familiarize yourself with the main components of your circular saw:



Overall Product View: The BLACK+DECKER 20V MAX* POWERCONNECT 5-1/2 inch Cordless Circular Saw, bare tool only.



Key Features: Includes bevel detents for angled cuts, an electric brake for quick stops, tool-free depth adjustment, and a 5-1/2 inch fast-cutting blade.



Variable-Speed Trigger: Provides enhanced control over every cutting job.



**Tool-free
depth-of-cut**
For easy adjustments.

Pivoting Shoe: Delivers added control and stability during cuts.



Pivoting shoe
Delivers added control.

Tool-Free Depth Adjustment: Allows for quick and easy adjustments without the need for additional tools.

4. Setup

4.1 Battery Installation

This circular saw is part of the 20V MAX* POWERCONNECT battery system. Ensure you have a fully charged 20V MAX* POWERCONNECT battery (not included with bare tool) before operation.

1. Align the battery with the battery port on the tool.
2. Slide the battery into the tool until it clicks securely into place.
3. To remove, press the battery release button and slide the battery out.

4.2 Blade Installation/Removal

The saw features a tool-free blade change mechanism.

1. Ensure the battery is removed from the tool for safety.
2. Locate the spindle lock button (refer to Components Overview). Press and hold the spindle lock button.
3. Using the included hex key, loosen the blade bolt by turning it clockwise (note: this is a reverse thread).
4. Remove the outer flange and the old blade.
5. Place the new 5-1/2 inch blade onto the spindle, ensuring the teeth are pointing in the correct direction (usually indicated by an arrow on the blade guard).
6. Replace the outer flange and tighten the blade bolt by turning counter-clockwise. Release the spindle lock.

4.3 Depth and Bevel Adjustment

- **Depth Adjustment:** Loosen the depth adjustment knob, slide the shoe to the desired depth, and tighten the knob.
- **Bevel Adjustment:** Loosen the bevel adjustment lever, tilt the shoe to the desired angle (detents at 45 and 90 degrees), and tighten the lever.

5. Operating Instructions

Before operating, ensure all adjustments are secure and the battery is fully charged.

- **Starting the Saw:** To start the saw, depress the trigger lock button (if present) and then squeeze the variable-speed trigger. The blade speed will increase as you squeeze the trigger further.
- **Stopping the Saw:** Release the variable-speed trigger. The electric brake will quickly stop the blade.
- **Making Cuts:** Align the saw's base plate with your cutting line. Allow the blade to reach full speed before entering the material. Apply steady, even pressure to guide the saw through the workpiece. The pivoting shoe provides additional control during cuts.
- **Angled Cuts:** For angled cuts, set the bevel to 45 or 90 degrees as needed.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your circular saw.

- **Cleaning:** Keep the tool clean and free of dust and debris. Use a dry cloth to wipe down surfaces. Do not use solvents or harsh chemicals.
- **Blade Care:** Regularly inspect the blade for sharpness and damage. Replace dull or damaged blades promptly to ensure efficient and safe cutting.
- **Battery Care:** Store batteries in a cool, dry place. Do not expose batteries to extreme temperatures or moisture.

7. Troubleshooting

If you encounter issues with your circular saw, refer to the following common troubleshooting tips:

Problem	Possible Cause	Solution
Saw does not start	Battery not charged or improperly installed.	Ensure battery is fully charged and properly seated.
Blade binds or cuts slowly	Dull or damaged blade; improper cutting technique.	Replace blade; ensure proper alignment and steady pressure.
Excessive vibration	Damaged blade or loose components.	Inspect and replace blade if necessary; check for loose parts and tighten.

8. Specifications

Specification	Detail
---------------	--------

Specification	Detail
Brand	BLACK+DECKER
Model Number	BDCCS20B
Voltage	20 Volts (Nominal 18V)
Blade Size	5-1/2 inches
Power Source	Battery Powered
Blade Material	High Speed Steel
Cutting Angle	Up to 90 Degrees (with detents at 45 and 90)
Item Weight	6 pounds (approx. 2722 Grams)
Product Dimensions	14.13"L x 8.25"W x 8.88"H
Included Components	(1) BDCCS20 Circular Saw (Bare Tool)

9. Warranty and Support

This BLACK+DECKER product comes with a **2-year limited warranty**. For warranty claims or technical support, please refer to the official BLACK+DECKER support channels or the full user manual available as a PDF.

User Manual (PDF): [Download Here](#)