

[Manuals.plus](#) /

› [BLACK+DECKER](#) /

› BLACK+DECKER 20V MAX* POWERCONNECT Cordless Drill/Driver + Circular Saw Combo Kit Instruction Manual

BLACK+DECKER BD2KITCDDCS

BLACK+DECKER 20V MAX* POWERCONNECT Cordless Drill/Driver + Circular Saw Combo Kit

MODEL: BD2KITCDDCS - INSTRUCTION MANUAL

1. Introduction

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your BLACK+DECKER 20V MAX* POWERCONNECT Cordless Drill/Driver and Circular Saw Combo Kit (BD2KITCDDCS).

Please read this manual thoroughly before using the tools to ensure proper function and to prevent injury.

The kit includes a compact drill/driver for various fastening and drilling tasks, and a versatile circular saw for cutting wood and other materials. Both tools are powered by the interchangeable 20V MAX* POWERCONNECT battery system.



Image 1.1: The BLACK+DECKER 20V MAX* POWERCONNECT Cordless Drill/Driver and Circular Saw Combo Kit.

2. Safety Information

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

General Power Tool Safety

- **Work Area Safety:** 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.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating noisy tools. Dress properly; avoid loose clothing or jewelry. Stay alert, watch what you are doing, and use common sense.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.

Battery Tool Use and Care

- Recharge only with the charger specified by the manufacturer.
- Use power tools only with specifically designated battery packs.
- When battery pack is not in use, keep it away from other metal objects.
- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.

3. Package Contents

Your BLACK+DECKER 20V MAX* POWERCONNECT Cordless Drill/Driver + Circular Saw Combo Kit includes the following items:

- (1) LDX120 Drill/Driver
- (1) BDCCS20 Circular Saw
- (1) LBXR20 20V MAX* POWERCONNECT Battery
- (1) Battery Charger
- (1) Double Ended Driver Bit
- (1) 5-1/2 inch Circular Saw Blade

4. Components Overview

4.1. Cordless Drill/Driver (LDX120)



Image 4.1: The BLACK+DECKER LDX120 Cordless Drill/Driver.

The drill/driver features a compact design, an 11-position clutch to prevent stripping screws, and an integrated LED work light for improved visibility in dark areas.

4.2. Cordless Circular Saw (BDCCS20)



Image 4.2: The BLACK+DECKER BDCS20 Cordless Circular Saw.

This circular saw is equipped with a 5-1/2 inch blade, offering tool-free depth adjustment and bevel detents at 45 and 90 degrees for angled cuts.

4.3. 20V MAX* POWERCONNECT Battery (LBXR20)



Image 4.3: The BLACK+DECKER 20V MAX* POWERCONNECT Lithium-Ion Battery.

The rechargeable Lithium-Ion battery powers both tools and is compatible with other tools in the POWERCONNECT system.

4.4. Battery Charger

The included charger is designed specifically for the 20V MAX* POWERCONNECT battery. Ensure proper connection and follow charging instructions.

5. Setup

5.1. Charging the Battery

1. Plug the charger into a standard electrical outlet.
2. Slide the battery pack onto the charger. Ensure it clicks into place.
3. The charging indicator light on the charger will illuminate, indicating the charging status. Refer to the charger's specific instructions for light patterns.
4. Once fully charged, remove the battery from the charger.

5.2. Installing/Removing the Battery

- **Installation:** Align the battery pack with the tool's battery port and slide it in until it clicks securely into place.
- **Removal:** Press the battery release button (usually located on the battery itself or the tool) and slide the battery pack out.

5.3. Drill/Driver Bit Installation

1. Ensure the tool is off and the battery is removed.
2. Twist the chuck counter-clockwise to open the jaws.
3. Insert the desired drill bit or driver bit into the chuck.
4. Twist the chuck clockwise to tighten the jaws securely around the bit.

5.4. Circular Saw Blade Installation

1. Ensure the tool is off and the battery is removed.
2. Locate the blade arbor lock button and press it to prevent the arbor from rotating.
3. Using the provided wrench, loosen the arbor nut by turning it counter-clockwise.
4. Remove the outer washer and old blade (if applicable).
5. Place the new 5-1/2 inch blade onto the arbor, ensuring the teeth are pointing in the direction of rotation indicated on the saw.
6. Replace the outer washer and arbor nut. Tighten the nut securely with the wrench while holding the arbor lock button.

5.5. Circular Saw Depth and Bevel Adjustments

- **Depth Adjustment:** Loosen the depth adjustment lever, move the shoe to the desired cutting depth, and tighten the lever.
- **Bevel Adjustment:** Loosen the bevel adjustment lever, tilt the shoe to the desired angle (0-45 degrees), and tighten the lever.

6. Operating Instructions

6.1. Drill/Driver Operation

- **Powering On/Off:** Squeeze the trigger switch to turn the tool on. Release the trigger to turn it off.
- **Direction of Rotation:** Use the forward/reverse button to select the desired rotation direction.
- **Clutch Settings:** Rotate the clutch collar to select the appropriate torque setting (1-10 for driving screws, drill symbol for drilling). Higher numbers provide more torque.
- **LED Work Light:** The integrated LED light activates when the trigger is pressed, illuminating the work surface.

6.2. Circular Saw Operation

- **Starting the Saw:** Depress the safety lock-off button with your thumb, then squeeze the trigger switch to start the saw. Release the trigger to stop.
- **Making Cuts:** Ensure the workpiece is securely clamped. Align the blade with your cut line. Allow the blade to reach full speed before entering the material. Maintain a firm grip and guide the saw smoothly through the cut.
- **Safety Guard:** The lower blade guard is spring-loaded and will retract as you begin a cut. It will automatically return to cover the blade when the cut is complete. Never manually hold the guard open.

7. Maintenance

- **Cleaning:** Keep the tool's ventilation slots clean to prevent overheating. Use a clean, dry cloth to wipe down the tool. Do not use harsh chemicals or abrasive cleaners.
- **Blade Care (Circular Saw):** Regularly inspect the saw blade for sharpness and damage. Replace dull or damaged blades promptly to ensure efficient and safe cutting.
- **Battery Storage:** Store battery packs in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, charge the battery partially (around 50%).
- **General Inspection:** Periodically check all screws and fasteners for tightness. Inspect cords and connections for damage.

8. Troubleshooting

Problem	Possible Cause	Solution
Tool does not start.	Battery not charged or not properly installed.	Charge battery fully. Ensure battery is securely clicked into place.
Drill/Driver lacks power or stalls.	Low battery charge; incorrect clutch setting; bit dull or wrong type.	Recharge battery. Adjust clutch to a higher setting or drill mode. Use a sharp, appropriate bit.
Circular Saw cuts slowly or binds.	Dull blade; incorrect depth setting; forcing the saw.	Replace with a sharp blade. Adjust cutting depth. Allow the saw to do the work, do not force.
Battery not charging.	Charger not plugged in; faulty battery or charger.	Check power connection. Try another outlet. If problem persists, contact customer support.

9. Specifications

Feature	Specification
Model Number	BD2KITCDDCS
Brand	BLACK+DECKER
Voltage	20 Volts MAX* (Nominal 18 Volts)

Feature	Specification
Power Source	Battery Powered
Battery Type	Lithium Ion
Drill/Driver Clutch Settings	11-Position
Circular Saw Blade Size	5-1/2 inches
Circular Saw Bevel Capacity	45 and 90 degrees
Item Weight	9 pounds (total kit)
Product Dimensions	8 x 9 x 17 inches
Included Components	(1) LDX120 Drill/Driver, (1) BDCCS20 Circular Saw, (1) LBXR20 20V MAX* Battery, (1) Battery Charger, (1) Double Ended Driver Bit, (1) 5.5" Circular Saw Blade.

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

10. Warranty Information

This BLACK+DECKER product is covered by a **2-year limited warranty**. This warranty covers defects in material or workmanship. For specific terms, conditions, and limitations, please refer to the warranty card included with your product or visit the official BLACK+DECKER website.

11. Support

For further assistance, technical support, or to purchase replacement parts, please visit the official BLACK+DECKER store or contact customer service.

Official BLACK+DECKER Store: [BLACK+DECKER Store on Amazon](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question