

## Manuals+

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

manuals.plus /

› [BLACK+DECKER](#) /

› [BLACK+DECKER LDX220C 20V MAX Cordless Drill Driver with LBXR20 Extra Battery Instruction Manual](#)

**BLACK+DECKER LDX220C, LBXR20**

# BLACK+DECKER LDX220C 20V MAX Cordless Drill Driver with LBXR20 Extra Battery Instruction Manual

## INTRODUCTION

This manual provides essential instructions for the safe operation, maintenance, and troubleshooting of your BLACK+DECKER LDX220C 20V MAX Cordless Drill Driver and LBXR20 Lithium-Ion Battery. Please read this manual thoroughly before using the product to ensure proper function and to prevent injury.



Image: The BLACK+DECKER LDX220C 20V MAX Cordless Drill Driver with an attached battery and an additional LBXR20 battery.

## SAFETY INFORMATION

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury when using power tools.

- **Wear Eye Protection:** Always wear appropriate eye protection that complies with ANSI Z87.1.
- **Dress Properly:** Do not wear loose clothing or jewelry. Keep hair, clothing, and gloves away from moving parts.
- **Secure Workpiece:** Use clamps or a vise to hold the workpiece. This is safer than using your hand and frees both hands to operate the tool.
- **Maintain Good Balance:** Keep proper footing and balance at all times.
- **Avoid Accidental Starting:** Ensure the switch is in the off position before inserting the battery pack.
- **Do Not Force Tool:** The tool will do the job better and safer at the rate for which it was designed.
- **Disconnect Power:** Remove the battery pack from the tool before making any adjustments, changing accessories, or storing the tool.

- **Store Idle Tools:** When not in use, tools should be stored in a dry, high, or locked-up place, out of reach of children.
  - **Use Right Tool:** Do not force small tool or attachment to do the job of a heavy-duty tool.
- 

## PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any parts are missing or damaged, contact BLACK+DECKER customer service.

- 1 x BLACK+DECKER LDX220C 20V MAX Lithium Drill/Driver
  - 2 x BLACK+DECKER 20V MAX Lithium Ion Battery (LBXR20)
  - 1 x BLACK+DECKER Battery Charger
- 

## PRODUCT FEATURES

The BLACK+DECKER LDX220C Drill Driver is designed for versatility and ease of use, featuring:

- **20V MAX Lithium Ion Battery:** Provides extended runtime and improved performance. The battery is always ready and holds a charge for up to 18 months.
  - **11-Position Clutch:** A 3/8-inch, 11-position clutch prevents stripping of screws and overdriving, offering precise control for various applications.
  - **2-Speed Settings:** Allows for better versatility, providing appropriate power and speed for different tasks, from high-speed drilling to high-torque driving.
  - **Integrated LED Light:** Illuminates the work surface, improving visibility in dark or confined spaces.
  - **Compatibility:** Fully compatible with other BLACK+DECKER 20-Volt MAX lithium ion cordless tools.
- 

## SETUP

### 1. Battery Charging

Before first use, fully charge the battery. The battery is not fully charged out of the box.

1. Plug the charger into a standard electrical outlet.
2. Slide the battery pack into the charger. Ensure it is fully seated.
3. The charging indicator light on the charger will illuminate, indicating the battery is charging.
4. Once charging is complete, the light will change (refer to charger manual for specific light patterns). A full charge typically takes approximately 6-8 hours.
5. Remove the battery from the charger once fully charged.



Image: A BLACK+DECKER 20V MAX Lithium Ion Battery, ready for charging or installation.

## 2. Installing and Removing the Battery Pack

- **To Install:** Align the battery pack with the tool's battery port. Slide the battery into the tool until it clicks securely into place.
- **To Remove:** Press the battery release button (usually located on the side of the battery pack) and slide the battery out of the tool.

## 3. Attaching Drill Bits or Accessories

The drill driver features a keyless chuck for quick and easy bit changes.

1. Ensure the battery pack is removed from the drill for safety.
2. Grip the rear half of the chuck and rotate the front half counter-clockwise until the chuck jaws are open wide enough to accept the bit.
3. Insert the drill bit or accessory into the chuck jaws. Ensure the bit is centered.
4. Rotate the front half of the chuck clockwise to tighten the jaws securely around the bit. Hand-tighten firmly.

---

## OPERATING INSTRUCTIONS

### 1. Powering On/Off and Variable Speed Trigger

The drill driver is activated by pressing the trigger switch. The tool's speed is controlled by how far the trigger is depressed.

- **To Turn On:** Squeeze the trigger switch.
- **To Turn Off:** Release the trigger switch.
- **Variable Speed:** Press the trigger lightly for slower speeds and press harder for faster speeds.

### 2. Forward/Reverse Button

The forward/reverse button (located above the trigger) controls the direction of rotation and also acts as a lock-off feature.

- **Forward (Drilling/Driving):** Push the button to the left side of the tool.
- **Reverse (Removing Screws):** Push the button to the right side of the tool.
- **Lock-Off:** When the button is in the center position, the trigger is locked, preventing accidental starting. Always engage the lock-off when not in use or when changing bits.

### 3. Clutch Settings (Torque Control)

The 11-position clutch ring allows you to select the appropriate torque setting for your application. This

prevents overdriving screws and stripping screw heads.

- Rotate the clutch ring to align the desired number with the arrow on the drill housing.
- Lower numbers (1-4) are for driving small screws or working with soft materials.
- Medium numbers (5-8) are for driving screws into medium-hard materials.
- Higher numbers (9-10) are for driving large screws or working with hard materials.
- The drill symbol (⌘) is for drilling applications, providing maximum torque.

## 4. 2-Speed Gear Selector

The gear selector switch (located on top of the drill) allows you to choose between two speed ranges.

- **Position 1 (Low Speed/High Torque):** Ideal for driving screws and drilling large diameter holes.
- **Position 2 (High Speed/Low Torque):** Suitable for fast drilling of small diameter holes.

**Always ensure the drill is stopped before changing the speed setting.**

## 5. LED Work Light

The integrated LED light automatically activates when the trigger is pressed, illuminating the work area. It remains on for a short period after the trigger is released.

# MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your tool.

- **Cleaning:** Use a clean, damp cloth to wipe down the tool. Do not use solvents or harsh chemicals. Keep the ventilation slots clear of dust and debris.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store batteries in a discharged state for extended periods. Charge them periodically if not in use.
- **Chuck Maintenance:** Periodically clean the chuck jaws to ensure proper gripping of bits.
- **Inspection:** Regularly inspect the tool for any damaged parts, loose screws, or worn components. Do not operate the tool if it is damaged.

# TROUBLESHOOTING

If your drill driver is not functioning correctly, refer to the following common issues and solutions:

| Problem                         | Possible Cause  | Solution  |
|---------------------------------|---|---|
| Tool does not start.            | Battery not charged or not properly installed. Forward/reverse button in lock-off position. | Charge battery. Reinstall battery securely. Move forward/reverse button to forward or reverse position. |
| Reduced power or short runtime. | Battery needs recharging. Battery is old or damaged.  | Recharge battery. Replace battery if it no longer holds a charge.                                       |
| Bit slips in chuck.             | Chuck not tightened sufficiently. Bit shank is dirty or damaged.                            | Retighten chuck firmly. Clean or replace bit.   |

| Problem                            | Possible Cause              | Solution                          |
|------------------------------------|-----------------------------|-----------------------------------|
| Screws are stripped or overdriven. | Clutch setting is too high. | Adjust clutch to a lower setting. |

If you encounter issues not covered here, please contact BLACK+DECKER customer support.

---

## SPECIFICATIONS

Technical specifications for the BLACK+DECKER LDX220C 20V MAX Cordless Drill Driver:

- **Brand:** BLACK+DECKER
  - **Model Number:** LDX220C (Drill Driver), LBXR20 (Battery)
  - **Power Source:** Battery Powered
  - **Voltage:** 20 Volts MAX
  - **Battery Type:** Lithium Ion
  - **Maximum Chuck Size:** 10 Millimeters (3/8 inch)
  - **Number of Speeds:** 2
  - **Special Features:** Variable Speed, LED Work Light, 11-Position Clutch
  - **Material:** Metal (Chuck components), Durable Plastic Housing
  - **Color:** Orange
- 

## WARRANTY AND SUPPORT

This BLACK+DECKER product is backed by a **2-year limited warranty**. This warranty covers defects in material or workmanship for a period of two years from the date of purchase.

For warranty claims, technical assistance, or to purchase replacement parts, please contact BLACK+DECKER customer support:

- **Website:** [www.blackanddecker.com/support](http://www.blackanddecker.com/support)
- **Phone:** Refer to the BLACK+DECKER website for regional contact numbers.

Please have your product model number (LDX220C) and date of purchase available when contacting support.

---