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## BLACK+DECKER BDCD120VA

# BLACK+DECKER 20V MAX Drill & Home Tool Kit Instruction Manual

Model: BDCD120VA

Brand: BLACK+DECKER

## 1. INTRODUCTION AND OVERVIEW

The BLACK+DECKER 20V MAX\* cordless drill/driver + 34-piece home project combo kit is designed to simplify a wide range of DIY tasks around the home. This versatile tool is compact, lightweight, and powerful, making it suitable for drilling into various materials including wood, metal, and plastic. Its intelligent design features a 24-position clutch for precise control, preventing over-driving or stripping screws, and a variable-speed trigger for controlled countersinking without damaging surfaces. The included 20V MAX\* lithium-ion battery offers long-lasting power and is compatible with other tools in the BLACK+DECKER 20V MAX\* system, holding a charge for up to 18 months. This comprehensive kit provides essential tools for routine repairs, simple projects, and general home maintenance, all conveniently stored in a durable carrying case.

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

## 2. INCLUDED COMPONENTS

The BLACK+DECKER 20V MAX Drill & Home Tool Kit includes the following items:

- (1) LD120 20V MAX\* drill/driver
- (1) Lithium ion battery
- (1) Charger
- (1) Storage bag
- (10) 1 in. driving bits
- (9) 2 in. driving bits
- (6) Drilling bits
- (4) Socket bits
- (1) Utility knife
- (1) Tape measure
- (1) 6 in. level

- (1) Magnetic bit holder



Figure 2.1: Complete contents of the BLACK+DECKER 20V MAX Drill & Home Tool Kit.



Figure 2.2: Labeled diagram of the kit's components for easy identification.

## 3. SETUP

### 3.1 Charging the Battery

Before initial use, fully charge the lithium-ion battery. The battery holds a charge for up to 18 months, but it's recommended to charge it before significant use. To charge, slide the battery off the drill by pressing the release button at the base. Then, slide the battery onto the charging unit and plug the charger into a power outlet. A full charge typically takes about 3 hours.



Figure 3.1: Detaching the battery from the drill for charging.

### 3.2 Installing Bits

The drill features a keyless chuck for easy bit installation. To insert a bit, rotate the chuck counter-clockwise to open the jaws. Insert the desired drill bit or screwdriver bit into the chuck, ensuring it is seated firmly. Then, rotate the chuck clockwise to tighten it securely around the bit. The kit includes a double-ended bit (Phillips and flathead) that can be stored in a slot on the drill's handle for convenience.



Figure 3.2: Key components of the drill, including the chuck for bit installation.

## 4. OPERATING INSTRUCTIONS

### 4.1 Powering On and Speed Control

To operate the drill, press the variable-speed trigger. The speed of the drill is controlled by the amount of pressure applied to the trigger; more pressure results in higher speed. This allows for precise control, especially when countersinking screws to prevent damage to the material.

### 4.2 Forward/Reverse Operation

The drill features a forward/reverse slider located above the trigger. Push the slider to the left for forward (clockwise) rotation, used for drilling and driving screws. Push it to the right for reverse (counter-clockwise) rotation, used for removing screws or backing out drill bits. Ensure the slider is in the center position to lock the trigger and prevent accidental activation.

### 4.3 Clutch Settings

The 24-position clutch allows you to adjust the torque setting for different applications and materials, preventing over-driving or stripping screws. Rotate the numbered ring behind the chuck to select the desired torque setting. Lower numbers are for lighter applications, while higher numbers provide more torque for tougher materials.

### 4.4 Integrated LED Light

An integrated LED light illuminates the work area when the trigger is pressed, providing improved visibility in dimly lit spaces.



Figure 4.1: Ergonomic design for comfortable and easy operation.

Your browser does not support the video tag.

Video 4.1: Official product video showcasing the BLACK+DECKER 20V MAX Drill & Home Tool Kit in various applications.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your BLACK+DECKER drill and tools.

### 5.1 Cleaning

Keep the tool and its ventilation slots clean to prevent overheating. Use a clean, dry cloth to wipe down the exterior. Do not use water or chemical cleaners. Periodically clean the chuck jaws to ensure proper bit gripping.

### 5.2 Battery Care

Store the battery in a cool, dry place away from direct sunlight and extreme temperatures. Although the lithium-ion battery holds a charge for up to 18 months, it is best practice to fully charge it before storing for extended periods and to recharge it periodically if not in use.

## 5.3 Tool Storage

Utilize the included storage bag to keep all components organized and protected from dust and damage when not in use. This helps prevent loss of smaller bits and accessories.

## 6. TROUBLESHOOTING

If you encounter issues with your BLACK+DECKER drill, consider the following common troubleshooting steps:

- **Tool Not Starting:** Ensure the battery is fully charged and properly inserted into the drill. Check that the forward/reverse slider is not in the center (locked) position.
- **Reduced Power/Performance:** The battery may be low on charge. Recharge the battery fully. Ensure the correct clutch setting is selected for the material and task.
- **Bit Slipping in Chuck:** Ensure the bit is fully inserted and the chuck is tightened securely. Clean any debris from the chuck jaws.
- **Overheating:** If the tool feels excessively hot, stop use immediately. Allow it to cool down. Ensure ventilation slots are clear of obstructions. Avoid continuous heavy-duty use without breaks.

For persistent issues or problems not listed here, please refer to the support section for contact information.

## 7. SPECIFICATIONS

Feature	Detail
Brand	BLACK+DECKER
Model Number	BDCD120VA
Voltage	20 Volts (Max initial), 18 Volts (Nominal)
Amperage	2 Amps
Maximum Rotational Speed	650 RPM
Item Weight	4.77 pounds
Product Dimensions	13.31 x 4.06 x 8.59 inches
Battery Type	Lithium Ion (1 included)
Battery Capacity	1.5 Amp Hours
Average Battery Life	24 Hours (usage), holds charge up to 18 months (storage)
Special Features	Variable Speeds, 24-position clutch, LED light
Color	Orange
Style	Drill & Home Tool Kit Only



Figure 7.1: Key technical specifications of the drill.

## 8. WARRANTY

This BLACK+DECKER product is covered by a **2-year limited warranty**. Please retain your proof of purchase for warranty claims. For full details regarding warranty coverage, terms, and conditions, refer to the official warranty documentation included with your product or contact customer support.

## 9. SUPPORT

For any questions, technical assistance, or support regarding your BLACK+DECKER 20V MAX Drill & Home Tool Kit, please use the following contact methods:



**SALES AND AFTER  
SALES SUPPORT**



**GREAT SERVICE  
NETWORK**



**WARRANTY**



**ORIGINAL PARTS**



**INFORMATION**



**OMNICHANNEL  
SUPPORT**

## **CUSTOMER CARE CONTACT**

**PHONE:**

**1800-203-0644**

**EMAIL:**

**SBD-CUSTOMER  
COMMUNICATIONS  
@SBDINC.COM**

**WHATSAPP:**



**+91 96060 55835**

**MON-SAT**

**09:00 AM - 06:00 PM IST**

**EXCEPT GOVERNMENT HOLIDAYS**

**NUMBER OF AUTHORIZED  
SERVICE CENTER : 500+**

**SCAN THE CODE TO CONTACT US**

Figure 9.1: BLACK+DECKER Total Care contact information.

**Phone:** 1800-203-0644 (Mon-Sat: 09:00 AM - 06:00 PM IST, except government holidays)

**Email:** [SBD-CUSTOMERCOMMUNICATIONS@SBDINC.COM](mailto:SBD-CUSTOMERCOMMUNICATIONS@SBDINC.COM)

**WhatsApp:** [+91 96060 55835](https://wa.me/919606055835)

**Number of Authorized Service Centers:** 500+