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› [DEWALT 20V MAX XR Hammer Drill Kit \(DCD996P2\) Instruction Manual](#)

DEWALT DCD996P2

DEWALT 20V MAX XR Hammer Drill Kit (DCD996P2) Instruction Manual

Model: DCD996P2 | Brand: DEWALT

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your DEWALT 20V MAX XR Hammer Drill Kit (DCD996P2). This cordless kit includes one 1/2-inch hammer drill/driver, two 20V MAX* 5.0Ah batteries, a charger, and a hard case. The hammerdrill features a heavy-duty ratcheting nitro-carburized metal chuck with carbide inserts for superior bit gripping strength and a high-efficiency brushless motor that delivers extended runtime. The DCD996 also includes a 3-mode LED for illumination in dark or confined spaces.

KEY FEATURES

- **Brushless Motor:** DEWALT-built high power, high efficiency brushless motor delivers up to 75% more runtime compared to 18V NiCad brushed motors.
- **XR Li-Ion Batteries:** 5.0Ah batteries with fuel gauge provide 33% more capacity over standard packs.
- **Heavy-Duty Chuck:** 1/2-inch ratcheting nitro-carburized metal chuck with carbide inserts for superior bit gripping strength.
- **3-Mode LED:** Provides lighting in dark or confined spaces, up to 20X brighter than previous models.
- **LED Spotlight Mode:** Features a 20-minute shutoff function for extended work time in dark or confined spaces.
- **3-Speed Transmission:** All-metal high-performance transmission optimizes tool-to-task for fast application speeds and improved run-time.
- **Drill Mode RPM:** 0-450 / 0-1300 / 0-2000 RPM.
- **Hammerdrill Mode RPM:** 0-500 / 0-1500 / 0-2250 RPM.
- **BPM for Masonry:** Up to 0-38,250 BPM for fast drilling in masonry materials.

INCLUDED COMPONENTS

- (1) DCD996 - 20V MAX* XR Lithium Ion Brushless Premium 3-Speed Hammerdrill
- (2) DCB205 - 20V MAX* XR High Capacity Li-Ion Batteries (5.0Ah)
- Charger
- Belt Hook

- 360° Side Handle
- Kitbox

SAFETY INFORMATION

Always wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, and gloves when operating the hammer drill. Ensure the work area is clear of obstructions and well-lit. Disconnect the battery pack before making any adjustments, changing accessories, or storing the tool. Read and understand all instructions and safety warnings provided with the product before use.

SETUP

Battery Installation and Removal

1. To install the battery pack, align the battery pack with the rails inside the tool's handle and slide it firmly into the tool until it locks into place.
2. To remove the battery pack, press the battery release button and pull the battery pack out of the tool handle.

Charging the Battery

1. Plug the charger into an appropriate outlet.
2. Insert the battery pack into the charger. The charging indicator light will illuminate.
3. A fully discharged battery typically charges in approximately 60-90 minutes.

Attaching the Side Handle

The 360° side handle provides additional control and stability, especially during high-torque applications or when using larger drill bits. To attach, loosen the handle grip, slide it over the chuck and onto the tool's collar, then tighten the grip securely.

OPERATING INSTRUCTIONS

Selecting Operating Mode

Rotate the collar near the chuck to select between three modes:

- **Drill Mode:** For drilling into wood, metal, and plastic.
- **Hammerdrill Mode:** For drilling into masonry, concrete, and brick.
- **Driver Mode (Clutch Settings):** For driving screws, with 11 clutch settings to prevent over-driving or stripping.

Adjusting Speed Settings

Use the 3-speed selector switch located on top of the tool to match the speed to the application:

- **Speed 1 (Low):** 0-450 RPM (Drill Mode), 0-500 RPM (Hammerdrill Mode) - For high torque applications and larger diameter drilling.
- **Speed 2 (Medium):** 0-1300 RPM (Drill Mode), 0-1500 RPM (Hammerdrill Mode) - For general drilling and driving.
- **Speed 3 (High):** 0-2000 RPM (Drill Mode), 0-2250 RPM (Hammerdrill Mode) - For fast drilling in smaller diameters.

Chuck Operation

The 1/2-inch ratcheting chuck allows for quick and secure bit changes. To open the chuck, rotate the front sleeve counter-clockwise. Insert the drill bit and rotate the sleeve clockwise until the bit is firmly gripped. The ratcheting

mechanism will click when tightened.

LED Light Modes

The LED light can be adjusted using the switch on the base of the tool:

- **Low Brightness:** Provides minimal illumination.
- **Medium Brightness:** Offers increased visibility for most tasks.
- **Spotlight Mode:** Activates a high-brightness light that stays on for 20 minutes, ideal for extended work in dark areas.

MAINTENANCE

Cleaning

Regularly clean the tool's ventilation slots to prevent overheating. Use a soft brush or dry cloth to remove dust and debris. Do not use water or chemical cleaning agents. Keep the chuck clean and free of debris for optimal bit gripping.

Storage

Store the tool and batteries in a cool, dry place, away from direct sunlight and extreme temperatures. Always remove the battery pack from the tool before storage. Use the provided hard case for protection during transport and storage.

TROUBLESHOOTING

Tool Not Operating

- Ensure the battery pack is fully charged and properly inserted into the tool.
- Check if the forward/reverse button is in the center (lock) position.
- Verify that the tool is not overheated. Allow it to cool down if necessary.

Battery Not Charging

- Confirm the charger is properly plugged into a working outlet.
- Ensure the battery pack is correctly seated in the charger.
- Check the charger's indicator lights for error codes (e.g., hot/cold delay).

SPECIFICATIONS

Brand	DEWALT
Model Number	DCD996P2
Power Source	Battery Powered
Voltage	20 Volts
Amperage	5 Amps
Maximum Rotational Speed	2250 RPM
Number of Speeds	3
Maximum Chuck Size	13 Millimeters (1/2 inch)

Maximum Torque	95 Newton Meters
Item Weight	4.9 Kilograms (10.78 pounds)
Product Dimensions	1" L x 1" W x 1" H
Battery Cell Type	Lithium Ion
Type of Bulb	LED

WARRANTY AND SUPPORT

This DEWALT product comes with a **3-year limited warranty**. For warranty claims, service, or technical support, please refer to the contact information provided in your product packaging or visit the official DEWALT website.

PRODUCT VISUALS



The DEWALT 20V MAX XR Hammer Drill Kit (DCD996P2) with a 5.0Ah battery attached, showcasing its compact design and yellow/black color scheme.



The DEWALT 20V MAX XR Hammer Drill (DCD996P2) with its adjustable side handle attached, providing enhanced control for heavy-duty tasks.



A three-quarter view of the DEWALT 20V MAX XR Hammer Drill (DCD996P2), showing the side handle, 5.0Ah battery, and the robust chuck.



An internal view of the DEWALT 20V MAX XR Hammer Drill (DCD996P2), highlighting the brushless motor and internal components for efficient operation.



The DEWALT 20V MAX XR Hammer Drill (DCD996P2) from the side, featuring the 5.0Ah battery, belt clip, and mode selector.



A close-up view of the base of the DEWALT 20V MAX XR Hammer Drill (DCD996P2) with the 5.0Ah battery, showing the integrated LED light and its control switch.



The DEWALT 20V MAX XR Hammer Drill (DCD996P2) with the LED light activated on its base, providing illumination for the work area.

Official Product Video

Your browser does not support the video tag.

Official DEWALT video showcasing the 20V MAX* XR 3-Speed Hammer Drill Kit (DCD996P2), highlighting its features and capabilities.