DEWALT DCD796P2-QW

DEWALT 18V XR Brushless Hammer Drill Driver

MODEL: DCD796P2-QW USER MANUAL

1. Important Safety Instructions

Always follow basic safety precautions when using electrical tools to reduce the risk of fire, electric shock, and personal injury. Read all instructions before operating this product.

- **Work Area Safety:** Keep your 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 such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- **Personal Safety:** Always wear eye protection. Use personal protective equipment such as dust masks, non-skid safety shoes, hard hats, or hearing protection when appropriate.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- **Battery Pack Safety:** Do not disassemble, drop, or damage the battery pack. Do not short-circuit the battery terminals. Do not expose battery packs to rain or wet conditions.

2. Product Overview and Components

The DEWALT DCD796P2-QW is an 18V XR Brushless Hammer Drill Driver designed for high performance and durability. It features a compact design, a brushless motor, and a two-speed all-metal transmission.



Figure 2.1: Complete DEWALT DCD796P2-QW kit including the hammer drill driver, two 5Ah XR battery packs, multi-voltage XR charger, and TSTAK heavy duty kitbox.



Figure 2.2: Close-up view of the brushless motor area, highlighting the advanced motor technology that delivers high performance and extends tool life.

Included Components:

- DEWALT 18V XR Brushless Hammer Drill Driver (DCD796)
- Two 5Ah XR Battery Packs with State of Charge Indicator
- Multi-Voltage XR Charger
- Belt Hook
- Magnetic Bit Holder
- TSTAK Heavy Duty Kitbox

3. Setup

3.1 Battery Installation and Removal:

1. To install the battery pack, align the battery pack with the rails inside the tool's handle. Slide the battery pack firmly

into the tool until it latches into place.

2. To remove the battery pack, press the release button on the front of the battery pack and pull the battery pack out of the tool handle.



Figure 3.1: Close-up of the 18V XR Li-Ion battery pack, showing the connection point to the tool. Ensure the battery is fully charged before use.

3.2 Chuck Operation (Inserting/Removing Bits):

1. To open the chuck jaws, rotate the chuck collar counter-clockwise until the jaws are wide enough to accept the bit.
2. Insert the drill bit or accessory fully into the chuck.
3. To tighten, rotate the chuck collar clockwise until the bit is securely gripped. The chuck has a ratcheting action to ensure a tight grip.
4. To remove a bit, rotate the chuck collar counter-clockwise until the jaws open and pull the bit out.

4. Operating Instructions

4.1 Speed Selection:

The DCD796P2-QW features a two-speed all-metal transmission for optimal performance across various applications.

- **Speed 1 (Low Speed):** For high torque applications such as driving large fasteners or drilling large diameter holes. Select this speed by sliding the gear selector switch to position '1'.
- **Speed 2 (High Speed):** For faster drilling and driving smaller fasteners. Select this speed by sliding the gear selector switch to position '2'.



Figure 4.1: View of the two-speed gear selector switch located on top of the drill, allowing users to choose between high torque (Speed 1) and high speed (Speed 2) operations.

4.2 Torque Control (Clutch Settings):

The 15-position adjustable torque control collar allows for consistent screwdriving into a variety of materials with different screw sizes.

1. Rotate the torque adjustment collar to the desired setting. Lower numbers are for smaller screws and softer materials, while higher numbers are for larger screws and harder materials.
2. The clutch will disengage when the preset torque level is reached, preventing over-driving screws or damaging the

workpiece.



Figure 4.2: Close-up of the torque adjustment collar with 15 settings, enabling precise control for various screwdriving tasks.

4.3 Drilling Modes:

The tool offers three primary modes: Drill, Hammer Drill, and Driver.

- **Drill Mode (Drill Icon):** For drilling into wood, metal, plastics, and general drilling applications.
- **Hammer Drill Mode (Hammer Icon):** For drilling into masonry, concrete, and other hard materials. This mode engages a hammering action in addition to rotation.
- **Driver Mode (Screw Icon):** For driving screws. In this mode, the torque clutch is active.



Figure 4.3: The mode selector ring, allowing users to switch between drilling, hammer drilling, and screwdriving functions.

4.4 LED Work Light:

The integrated bright LED on the tool foot provides illumination for the work area, improving visibility in low-light situations.



Figure 4.4: The bright LED light located at the base of the tool, designed to illuminate the workpiece for enhanced visibility.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your DEWALT tool.

- **Cleaning:** Use only mild soap and a damp cloth to clean the tool. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.
- **Ventilation Openings:** Keep the tool's ventilation openings clear and free of debris to prevent overheating.
- **Battery Pack Care:** Store battery packs in a cool, dry place away from direct sunlight and excessive heat. Do not store in locations where the temperature may reach or exceed 50°C (122°F).
- **Charger Care:** Keep the charger clean and free of debris. Do not allow any liquid to enter the charger.

6. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Tool does not start.	Battery pack not installed correctly or discharged.	Ensure battery pack is fully inserted. Charge battery pack.
Reduced power or performance.	Battery pack low on charge; tool overheating; incorrect speed/torque setting.	Recharge battery. Allow tool to cool down. Adjust speed and torque settings.
Chuck not holding bit securely.	Chuck jaws are dirty or worn; bit shank is damaged.	Clean chuck jaws. Replace damaged bits. Ensure chuck is tightened properly.

7. Specifications

Feature	Value
Model Number	DCD796P2-QW
Voltage	18 Volts
Battery Type	Lithium Ion (XR)
Battery Capacity	5 Amp Hours
Maximum Rotational Speed	2000 RPM
Number of Speeds	2
Maximum Torque	27 Newton Meters
Drill Type	Hammer Drill
Product Dimensions	7.99"L x 2.64"W x 7.48"H
Item Weight	3.97 pounds

8. Warranty and Support

DEWALT provides a limited warranty for its products. For detailed warranty information, please refer to the warranty card included with your product or visit the official DEWALT website.

For technical support, service, or to locate a service center, please contact DEWALT customer service or visit their official support channels. Keep your proof of purchase for warranty claims.

DEWALT Official Website: www.dewalt.com

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