DEWALT DCD800D2

DEWALT 20V MAX XR Cordless Drill/Driver Kit

Model: DCD800D2 | Brand: DEWALT

Product Overview

The DEWALT 20V MAX XR Brushless 1/2 in. Drill/Driver (Model DCD800D2) is engineered for professional-grade performance, providing the power and speed necessary for demanding drilling and fastening applications. Its high-output brushless motor efficiently handles tough projects. This versatile tool achieves up to 2,000 RPM when drilling into wood and metal. Designed for comfort and extended use, its compact and lightweight build allows for work in tight spaces. The integrated 3-position, pivoting LED light offers up to 70 Lumens of brightness with three mode settings, enhancing visibility in dimly lit work areas. This comprehensive kit includes the DCD800 Drill/Driver, two DCB203 20V MAX 2Ah batteries, a DCB112 charger, a belt hook, and a convenient kit bag.

Important Safety Information

Always read and understand all instructions before operating this tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Electrical Safety:** Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- **Personal Safety:** Always wear eye protection. Use safety glasses or goggles. Wear appropriate personal protective equipment.
- **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 Tool Use and Care:** Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

What's in the Box

Your DEWALT 20V MAX XR Cordless Drill/Driver Kit (DCD800D2) includes the following components:

- DCD800 20V MAX* XR® Brushless Cordless 1/2 in. Drill/Driver

- (2) DCB203 20V MAX* 2Ah Batteries
- DCB112 Charger
- Kit Bag
- Belt Hook



Figure 1: Complete contents of the DEWALT 20V MAX XR Cordless Drill/Driver Kit.



Figure 2: Detailed list of included items in the DCD800D2 kit.

Setup

Battery Installation and Charging

Before first use, fully charge the batteries. To install a battery, align the battery with the tool's handle and slide it in until it clicks securely into place. To remove, press the release button on the battery and slide it out. The DCB112 charger is designed for efficient charging of your 20V MAX batteries.

- Connect the charger to a standard power outlet.
- Slide the battery pack onto the charger. The indicator light on the charger will show the charging status.
- A battery charge indicator is located on the battery pack. Press the button on the battery to view the current charge level.

Operating Instructions

Chuck Operation

The drill features a 1/2 inch metal ratcheting chuck for high bit retention. To install a drill bit or accessory, twist the chuck counter-clockwise to open the jaws. Insert the bit, then twist clockwise to tighten the chuck firmly around the bit. Ensure the bit is centered and secure before operation.



Figure 3: The 1/2 inch metal ratcheting chuck for secure bit retention.

Speed Settings

The drill features a high-speed transmission with two mechanical speed settings (0-650 RPM and 0-2,000 RPM). Use the speed selector switch located on top of the drill to choose between low speed (1) for high torque applications and high speed (2) for faster drilling.

Variable Speed Trigger

The variable speed trigger allows for precise control over drilling speed. Press the trigger lightly for slower speeds and increase pressure for higher speeds. This enables optimal control for various materials and applications.

LED Work Light

The adjustable, 3-position 70 Lumens LED light enhances visibility in dimly lit work areas. It features three modes, including an LED spotlight mode with a 20-minute shutoff function for extended illumination.



Figure 4: The pivoting LED light illuminates your work area.

Forward/Reverse Control

The forward/reverse control button is located above the trigger. Push it to the left for forward (clockwise) rotation for drilling and fastening. Push it to the right for reverse (counter-clockwise) rotation for removing screws or backing out bits. Center the button for the lock-off position to prevent accidental starting.

Brushless Motor Technology

This drill is equipped with a high-output brushless motor, which provides increased efficiency, longer runtime, and extended tool life compared to brushed motors. This technology ensures consistent performance under demanding conditions.



Figure 5: The brushless motor provides enhanced performance and durability.

Compact Design for Tight Spaces

The drill's compact 6.37 inch size makes it 1/2 inch shorter in length compared to the DCD791 model (tool head only). This design allows for easier access to hard-to-reach work areas and reduces user fatigue during prolonged use.



Figure 6: The compact design allows for access to confined spaces.

Optimized Performance

The drill is designed for optimized performance and runtime, delivering up to 40% more unit watts out compared to the DCD791 with a DCBP034 DEWALT POWERSTACK™ Battery or DCB205 Battery. This ensures efficient power delivery for various tasks.



Figure 7: Enhanced power output for demanding applications.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your DEWALT drill. Keep the tool clean and free of debris. Periodically inspect the chuck for wear and ensure the battery contacts are clean. Store the tool and batteries in a cool, dry place away from direct sunlight and extreme temperatures.

Troubleshooting

If you encounter issues with your DEWALT drill, refer to the following common troubleshooting tips:

- **Tool Not Starting:** Ensure the battery is fully charged and properly inserted. Check the forward/reverse switch is not in the lock-off (center) position.
- **Battery Not Charging:** Verify the charger is properly plugged into a working outlet. Ensure the battery is correctly seated on the charger. Check for any damage to the battery or charger.

- **Bit Slipping in Chuck:** Ensure the chuck is tightened securely around the drill bit. The ratcheting chuck should click when fully tightened. Check if the drill bit shank is clean and free of oil or debris.
- **Reduced Performance:** A low battery charge can lead to reduced power. Ensure the battery is fully charged. Overheating can also reduce performance; allow the tool to cool down.

For persistent issues or complex repairs, contact DEWALT customer support or an authorized service center.

Specifications

Feature	Specification
Brand	DEWALT
Model Number	DCD800D2
Power Source	Battery Powered
Voltage	20 Volts
Amperage	2 Amps
Maximum Rotational Speed	2000 RPM
Maximum Chuck Size	0.5 Inches
Product Dimensions	6.37"L x 2.5"W x 8.14"H
Item Weight	6.17 Pounds
Battery Cell Type	Lithium Ion
Special Feature	Variable Speed

Warranty and Support

DEWALT stands behind the quality and durability of its products. The DEWALT 20V MAX XR Cordless Drill/Driver Kit (DCD800D2) is covered by the following:

- **3-Year Limited Warranty:** Covers defects in material or workmanship.
- **1-Year Free Service:** Provides free maintenance of the tool.
- **90-Day Money Back Guarantee:** Allows for a full refund if you are not satisfied with the product.





Figure 8: DEWALT Tool Warranty details.

For additional support, protection plans are available for purchase:

- **3-Year Protection Plan:** Available for $28.99.

- **4-Year Protection Plan:** Available for $38.99.
- **Complete Protect:** A monthly plan covering all eligible past and future purchases for $16.99/month.

For further assistance or to inquire about service, please visit the official DEWALT website or contact their customer service.

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