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› DEWALT 20V MAX\* Hammer Drill, Compact Kit, Cordless, 1/2-Inch (DCD778C2) Instruction Manual

## DEWALT DCD778C2

# DEWALT 20V MAX\* Hammer Drill, Compact Kit, Cordless, 1/2-Inch

MODEL: DCD778C2

### 1. Product Overview

This brushless hammer drill/driver kit features two 20V MAX\* lithium ion batteries, charger, and tool bag. The DCD778 cordless hammer drill/driver has a compact lightweight design to fit in tight spaces while providing up to 340 UWO. This hammer drill is equipped with a bright LED light for superior visibility when working in dimly lit spaces.



Figure 1: Complete DEWALT 20V MAX\* Hammer Drill Kit contents.

### 2. What's Included

Your DEWALT 20V MAX\* Hammer Drill Kit includes the following components:

- 1 x DCD778 20V MAX\* Brushless Compact 1/2 in. Hammer Drill/Driver
- 2 x 20V MAX\* Lithium Ion Batteries
- 1 x DCB107 Charger
- 1 x Tool Bag

### 3. Key Features

- **Brushless Motor:** Provides efficient performance and extended runtime.
- **High Power Output:** Delivers up to 340 UWO (Unit Watts Out) for demanding tasks.
- **1/2-Inch Ratcheting Chuck:** Ensures superior bit gripping strength.
- **Variable Speed Trigger:** Allows for precise control over drilling speed, ideal for delicate work surfaces.
- **Lightweight Design:** Weighs only 2.5 lbs, reducing user fatigue during prolonged use.
- **Integrated LED Light:** Enhances visibility in dimly lit work areas.



Figure 2: The compact and lightweight design of the DEWALT DCD778C2 Hammer Drill.

### 4. Setup

#### 4.1 Charging the Battery

Before first use, fully charge the 20V MAX\* Lithium Ion batteries. Insert the battery pack firmly into the DCB107 charger. The charger's indicator light will show the charging status. A full charge typically takes approximately 1.5 hours.



Figure 3: The DCB107 Battery Charger for 20V MAX\* Lithium Ion batteries.

#### 4.2 Installing the Battery

Align the battery pack with the battery slot on the bottom of the drill handle. Slide the battery into place until it clicks securely. To remove, press the release button on the battery and slide it out.



Figure 4: A DEWALT 20V MAX\* Lithium Ion Battery.

### 4.3 Installing Drill Bits

Twist the chuck counter-clockwise to open the jaws. Insert the drill bit fully into the chuck. Twist the chuck clockwise to tighten the jaws securely around the bit. Ensure the bit is centered and firmly held before operation.

## 5. Operating Instructions

### 5.1 Powering On/Off and Speed Control

The drill is activated by pressing the variable speed trigger. The speed of the drill is controlled by the amount of pressure applied to the trigger. Releasing the trigger will turn the drill off. The integrated LED light will illuminate when the trigger is pressed, providing visibility to the work surface.

### 5.2 Forward/Reverse Operation

A forward/reverse button is located above the trigger. Push the button to the left for forward rotation (drilling/driving screws in) and to the right for reverse rotation (removing screws). Center the button for the trigger lock position to prevent accidental starting.

### 5.3 Mode Selection (Drill/Hammer Drill)

The DCD778C2 features a mode selector ring located behind the chuck. Rotate the ring to select between drilling mode (for wood, metal, plastic) and hammer drill mode (for masonry, concrete, brick). Ensure the desired mode is firmly engaged before beginning work.

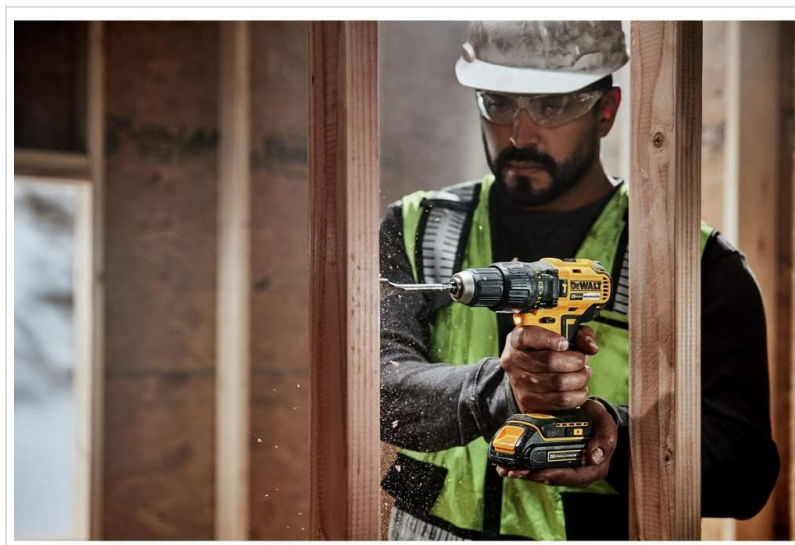


Figure 5: The DEWALT DCD778C2 in use for drilling applications.



Figure 6: The DEWALT DCD778C2 demonstrating its hammer drill capability on a concrete surface.

## 6. Maintenance

### 6.1 Cleaning

Regularly clean the ventilation slots of the drill to prevent overheating. Use a soft brush or compressed air to remove dust and debris. Do not use water or chemical cleaners.

### 6.2 Battery Care and Storage

Store batteries in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, charge batteries to approximately 50% capacity. Avoid fully discharging batteries before recharging to prolong their lifespan.

### 6.3 General Inspection

Periodically inspect the drill for any signs of damage, loose screws, or worn parts. Ensure the chuck operates smoothly and securely. If any issues are found, discontinue use and contact DEWALT service for repair.

## 7. Troubleshooting

### 7.1 Drill Not Starting

- Ensure the battery is fully charged and properly inserted.
- Check if the forward/reverse switch is in the center (locked) position. Move it to either forward or reverse.

### 7.2 Reduced Power or Runtime

- Recharge the battery.
- Ensure the battery is not old or damaged; consider replacing if performance continues to degrade.
- Verify that the correct mode (drill or hammer drill) is selected for the material.

### 7.3 Overheating

- Clear any obstructions from the ventilation slots.
- Avoid continuous heavy-duty use without breaks.
- Ensure the drill bit is sharp and appropriate for the material.

## 8. Specifications

Specification	Value
Brand	DEWALT
Power Source	Battery Powered
Voltage	20 Volts
Maximum Chuck Size	13 Millimeters
Color	Black, Yellow
Included Components	(1) DCD778 20V MAX* Brushless Compact 1/2 in. Hammer Drill/Driver; (2) 20V MAX* Lithium Ion Batteries; (1) DCB107 Charger; (1) Tool Bag
Special Feature	Variable Speed
Product Dimensions	12.5"L x 1"W x 9.81"H
Material	Blend
Maximum Torque	35 Newton Meters
Number of Speeds	2
Item Weight	2.6 Pounds
Maximum Power	300 Watts
Drill Type	Hammer Drill
Battery Capacity	1.3 Amp Hours
Is Electric	No
UPC	885911512664
Manufacturer	DEWALT
Drilling Capacity Metal	0.5 Inches
Part Number	DCD778C2
Item model number	DCD778C2
Batteries	2 Lithium Ion batteries required. (included)
Is Discontinued By Manufacturer	No
Size	One Size
Item Package Quantity	1
Batteries Included?	Yes

Batteries Required?	Yes
Battery Cell Type	Lithium Ion
ASIN	B08461MT3C
Date First Available	January 23, 2020

## 9. Warranty and Support

For warranty information and technical support, please refer to the official DEWALT website or contact DEWALT customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

You can visit the DEWALT Store for more information: [DEWALT Store](#)