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DEWALT DCF860WW1

DEWALT 20V MAX XR 1/4 Inch Cordless Impact Driver Kit (DCF860WW1) User Manual

Introduction

This manual provides essential instructions for the safe operation, maintenance, and troubleshooting of your DEWALT 20V MAX XR 1/4 Inch Cordless Impact Driver Kit (DCF860WW1). Please read this manual thoroughly before using the tool to ensure proper function and to prevent injury.
The DCF860WW1 is a high-performance cordless impact driver designed for professional applications. It features a powerful brushless motor, variable speed control, and multiple speed modes for versatile use.

Safety Information

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep this manual for future reference.

- **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. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating power tools. Dress properly; avoid loose clothing or jewelry.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- **Battery Pack Use and Care:** Recharge only with the charger specified by the manufacturer. Do not use battery packs with any other power tools.

Package Contents

Verify that all items listed below are included in your kit:

- (1) DEWALT DCF860 20V MAX XR Impact Driver
- (1) DEWALT DCB2108 XR POWERPACK™ 8 AH Battery
- (1) DEWALT DCB118 Charger
- (1) Belt Hook

- (1) Kit Bag



Figure 1: Contents of the DEWALT DCF860WW1 Impact Driver Kit, including the impact driver, 8AH battery, charger, belt hook, and kit bag.

Setup

1. Charging the Battery

1. Connect the charger (DCB118) to a standard power outlet.
2. Slide the 8AH battery pack (DCB2108) onto the charger until it clicks into place.
3. The charger's indicator light will show the charging status. Refer to the charger manual for detailed light patterns.
4. Once fully charged, remove the battery pack from the charger.

2. Installing the Battery Pack

1. Align the battery pack with the receptacle on the base of the impact driver handle.

2. Slide the battery pack into the tool until it locks securely in place. Ensure it is fully seated to prevent it from falling out during operation.



Figure 2: The DEWALT DCF860WW1 Impact Driver with the 8AH battery pack attached.

3. Installing/Removing Bits

1. To install a 1/4 inch hex shank accessory, push the collar forward and insert the accessory fully into the hex chuck. Release the collar. Pull on the accessory to ensure it is securely locked.
2. To remove an accessory, push the collar forward and pull the accessory out of the hex chuck.

Operating Instructions

Tool Features Overview



Figure 3: Key features of the DEWALT DCF860WW1 Impact Driver, including the 1/4 inch quick-connect hex chuck, variable speed trigger, 3-speed mode select, 9 built-in LEDs, brushless motor, and belt hook.

1. Powering On/Off and Variable Speed

To turn the tool on, depress the variable speed trigger. To turn the tool off, release the trigger. The speed of the tool is controlled by the amount of trigger depression; the further the trigger is pressed, the higher the speed.

2. 3-Speed Mode Select

The impact driver features a 3-speed mode select button, allowing you to choose the appropriate speed and torque for your application. Press the button to cycle through the modes (1, 2, 3). The selected mode will be indicated by an LED.

- **Mode 1:** Lower speed and torque for delicate applications or when precise control is needed.
- **Mode 2:** Medium speed and torque, optimized for common self-drilling and tapping screws.
- **Mode 3:** Highest speed and torque (up to 2,500 in-lbs. Max torque, 3,800 RPM no-load speed) for heavy-duty fastening tasks.

Note: Refer to the impact driver manual and screw manufacturer instructions for proper installation speeds.

3. Integrated 9-LED Work Light

The tool is equipped with 9 built-in LEDs around the chuck to illuminate the work area. These LEDs activate when the trigger is pressed and can be set to a 20-minute LED mode for continuous illumination by pressing the mode select button until the light icon illuminates.



Figure 4: Close-up view of the integrated 9-LED work light on the DEWALT DCF860WW1 Impact Driver, providing illumination for the work area.

4. Driving Fasteners

Position the bit on the fastener head. Apply firm, steady pressure to the tool and depress the trigger. Allow the tool to do the work. Avoid excessive force, which can strip fasteners or damage the workpiece.



Figure 5: A user operating the DEWALT DCF860WW1 Impact Driver to drive a fastener into a wooden beam, demonstrating typical use.

Maintenance

Cleaning

Keep the tool's ventilation slots clean to prevent overheating. Use a soft brush or dry cloth to remove dust and debris. Do not use water or chemical cleaning agents.

Battery Care

Store battery packs in a cool, dry place away from direct sunlight and extreme temperatures. Do not store battery packs in a discharged state for extended periods.

Troubleshooting

Problem	Possible Cause	Solution
Tool does not start.	Battery not charged or improperly installed.	Ensure battery is fully charged and securely inserted.
Reduced power or performance.	Low battery charge.	Recharge the battery pack.
Bit slips from chuck.	Bit not fully inserted or chuck worn.	Ensure bit is fully inserted and locked. Replace bit if worn. If chuck is worn, contact service.

Problem	Possible Cause	Solution
Tool overheats.	Blocked ventilation slots or continuous heavy use.	Clear ventilation slots. Allow tool to cool down during prolonged use.

Specifications

Model: DCF860WW1

Voltage: 20 Volts MAX

Power Source: Battery Powered (Lithium Ion)

Maximum Rotational Speed: 3800 RPM (No-load)

Maximum Torque: 2500 Inch Pounds

Chuck Size: 1/4 Inch Hex Quick-Connect

Battery Capacity: 8 Amp Hours (DCB2108)

Item Weight: 7.48 pounds (with battery)

Product Dimensions: 13.5"L x 9"W x 5.5"H

Included Components: Impact Driver, 8AH Battery, Charger, Belt Hook, Kit Bag

Warranty Information

This DEWALT product is covered by a Manufacturer Warranty. For specific details regarding warranty coverage, duration, and claims process, please refer to the warranty card included with your product or visit the official DEWALT website.

Support

For technical assistance, service, or to order replacement parts, please contact DEWALT Customer Service. You can find contact information on the official DEWALT website or by referring to the documentation included with your product.
Website: www.dewalt.com

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