DEWALT DCF850N-XJ

DEWALT DCF850N-XJ 1/4" 20V Max XR Cordless Brushless 3-Speed Compact Impact Driver Instruction Manual

Model: DCF850N-XJ

Brand: DEWALT

Introduction

This manual provides essential instructions for the safe operation, setup, maintenance, and troubleshooting of your DEWALT DCF850N-XJ 1/4" 20V Max XR Cordless Brushless 3-Speed Compact Impact Driver. Please read this manual thoroughly before using the tool to ensure proper function and to prevent injury.

The DEWALT DCF850N-XJ is a compact and powerful impact driver designed for various fastening applications. Its brushless motor provides extended tool life and efficiency, while its compact size allows access to confined spaces.





Image: The DEWALT DCF850N-XJ 1/4" 20V Max XR Cordless Brushless 3-Speed Compact Impact Driver, shown without a battery attached.

Safety Information

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

- **Work Area Safety:** Keep the 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:** Power tool plugs must match the outlet. Never modify the plug in any way. Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators.
- **Personal Safety:** Always wear eye protection. Use appropriate personal protective equipment such as dust masks, non-skid safety shoes, hard hats, or hearing protection when necessary.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source and/or remove the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs.

Setup

1. Battery Installation (Battery Not Included)

This tool is sold as a bare tool and requires a DEWALT 20V Max Li-ion XR battery pack (sold separately) for operation.

1. Ensure the impact driver is switched off.
2. Align the battery pack with the receptacle on the bottom of the tool handle.
3. Slide the battery pack into the tool until it clicks securely into place.
4. To remove the battery, press the release button on the battery pack and pull it out of the tool.



Image: A user holding the DEWALT impact driver with a 20V Max XR 5.0Ah battery pack installed, driving a screw into a wooden beam.

2. Bit Installation and Removal

The DCF850N-XJ features a 1/4" hex chuck for quick and easy bit changes.

1. **To Install:** Pull the chuck collar forward. Insert the 1/4" hex shank accessory fully into the chuck. Release the collar. The accessory is locked into place.

2. **To Remove:** Pull the chuck collar forward and pull the accessory out of the chuck.



Image: A close-up view of the impact driver's 1/4" hex chuck and the surrounding LED ring lights, highlighting the mechanism for easy bit changes.

Operating Instructions

1. Powering On/Off

To turn the tool on, depress the trigger switch. To turn the tool off, release the trigger switch. The tool's speed is variable and controlled by the amount of trigger depression.

2. Speed Selection (3-Mode Switch)

The DCF850N-XJ features a 3-mode select switch located on the top of the tool, allowing you to choose the appropriate speed and torque for your application.

- **Mode 1:** Low speed/torque for delicate applications or starting screws.
- **Mode 2:** Medium speed/torque for general fastening tasks.

- **Mode 3:** High speed/torque for heavy-duty applications requiring maximum power.

3. Forward/Reverse Control

The forward/reverse control button is located above the trigger. Push the button to the left for forward rotation (tightening) and to the right for reverse rotation (loosening). Position the button in the center to lock the trigger and prevent accidental operation.

4. LED Ring Lighting

The tool is equipped with an LED ring light that illuminates the work area when the trigger is depressed, providing improved visibility in low-light conditions.



Image: A DEWALT impact driver being used to drive a screw into a wooden frame, with the integrated LED ring providing illumination to the work area.

Maintenance

1. Cleaning

Keep the tool's ventilation slots clean to prevent overheating. Use a soft, damp cloth to clean the exterior of the tool. Do not use harsh chemicals or abrasive cleaners. Never immerse the tool in liquid.

2. Storage

Store the tool in a dry, secure location out of reach of children. Remove the battery pack before storing for extended periods. Avoid storing in direct sunlight or areas with extreme temperatures.

Troubleshooting

Problem	Possible Cause	Solution
Tool does not start.	Battery not installed correctly or discharged.	Ensure battery is fully seated. Recharge or replace battery.
Reduced power or performance.	Battery charge low; incorrect speed mode selected.	Recharge battery. Select a higher speed mode.
Bit not holding securely.	Chuck collar not fully released; incorrect bit type.	Ensure collar snaps back into place. Use 1/4" hex shank bits.
Tool overheating.	Blocked ventilation slots; continuous heavy use.	Clean ventilation slots. Allow tool to cool down.

If you experience issues not covered here, please contact DEWALT customer service.

Specifications

Feature	Detail
Model Number	DCF850N-XJ
Power Source	Battery Powered
Voltage	18V (20V Max)
Chuck Size	1/4 inch Hex
Maximum Torque	205 Newton Meters
Speeds	3-Speed Select Switch
Motor Type	Brushless
Weight (Tool Only)	Approximately 1 g (Note: This value from source data is unusually low for a power tool)
Dimensions	20 x 15 x 10 cm (approximate)
Special Features	Lightweight, Compact Design, LED Ring Lighting

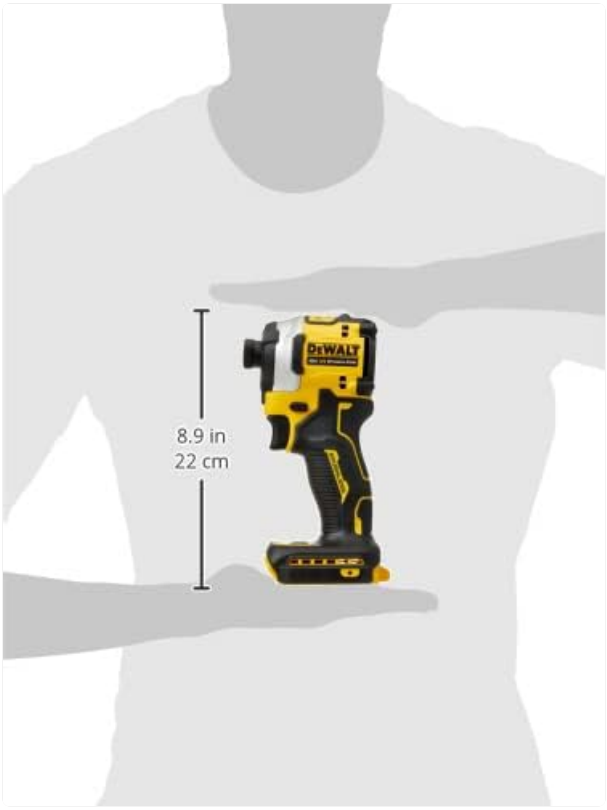


Image: A visual representation of the DEWALT impact driver's compact dimensions, indicating a length of approximately 22 cm (8.9 inches).

Warranty and Support

This DEWALT tool comes with a **2-year warranty** provided by the manufacturer from the date of purchase. Please retain your proof of purchase for warranty claims.

For technical assistance, service, or to locate an authorized service center, please visit the official DEWALT website or contact their customer support line. Refer to the product packaging or DEWALT's official resources for the most current contact information.

Online Resources: For additional information, product registration, and FAQs, visitwww.dewalt.com.

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Example: How do I reset this device or fix this error?

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