DEWALT DCN680B

DEWALT DCN680B 20V MAX* XR® 18 GA Cordless Brad Nailer Instruction Manual

Model: DCN680B | Brand: DEWALT

Introduction

This manual provides essential information for the safe and effective operation of your DEWALT DCN680B 20V MAX* XR® 18 GA Cordless Brad Nailer. This tool is designed for fastening 18 Gauge brad nails from 5/8 in to 2-1/8 in, ideal for decorative molding, casing, kitchen crown, and shoe molding. Its brushless motor and battery power eliminate the need for gas, compressors, and hoses.

Important Safety Instructions

Always wear eye protection when operating power tools. Read and understand all instructions before use. Keep hands and body parts clear of the discharge area. Ensure the workpiece is stable before nailing.

Product Overview

The DEWALT DCN680B is a high-performance cordless brad nailer.

- 100% battery powered. Eliminates the hassle of using gas, compressor, and hose.
- Brushless motor maximizes runtime and durability.
- Micro nose improves line of sight and accuracy of nail placement (Compared to DEWALT DC608).
- Tool-free depth adjustment for precise countersinking of nails.
- Tool-free jam release to quickly and easily clear nail jams.
- Multi-functional LED lights help to provide both workspace illumination and tool diagnostics.
- Tool-free selectable trigger for sequential or contact actuation modes.
- Integrated tool-free stall release lever to quickly reset the driver blade in the event of a stall.
- Adjustable belt hook for left or right attachment depending on user preference.
- Low nail lockout prevents dry firing and unwanted marks on the work material.



This image shows the overall design of the DEWALT DCN680B 20V MAX* XR® 18 GA Cordless Brad Nailer, highlighting its compact and ergonomic form factor.

Setup

Battery Installation

The DCN680B operates with DEWALT 20V MAX* Lithium-Ion batteries. To install, align the battery with the tool's base and slide it in until it clicks securely. To remove, press the battery release button and slide the battery out.

Loading Brad Nails

To load nails, pull back the pusher assembly and insert a strip of 18-gauge brad nails into the magazine. Ensure the nails

are oriented correctly. Release the pusher assembly to secure the nails.

Operating the Brad Nailer

Depth Adjustment

Use the tool-free depth adjustment wheel located near the nose of the tool to set the desired nail depth. Turn the wheel to adjust for precise countersinking or flush driving.



This image illustrates the micro-nose design and the tool-free depth adjustment feature, allowing for precise control over nail placement and depth.

Firing Modes

The tool features a tool-free selectable trigger for two actuation modes:

- **Sequential Actuation Mode**: For precise placement, the trigger must be pulled for each nail.

- **Contact Actuation Mode**: For rapid firing, hold the trigger and press the nose against the workpiece to drive nails.



This image highlights the tool-free selectable trigger, which allows users to easily switch between sequential and contact actuation modes based on their application needs.

General Operation

Place the tool's nose firmly against the workpiece. Ensure the safety contact trip is fully depressed before pulling the trigger. The integrated LED lights will illuminate the work area.



A user is shown applying the brad nailer to trim work, demonstrating its ease of use for finishing applications.



This image depicts the brad nailer being used for cabinetry installation, showcasing its versatility for various woodworking tasks.



The brad nailer is being used to assemble a wood frame, illustrating its utility for construction and assembly projects.



This image shows the brad nailer in action on door casing, highlighting its precision for detailed trim work.

Maintenance

Jam Clearing

In the event of a nail jam, disengage the battery. Use the tool-free jam release lever to open the nosepiece and clear the jammed nail. Reset the lever before resuming operation.

Cleaning

Keep the tool clean and free of debris. Regularly inspect the nosepiece and magazine for any build-up that could impede operation.

Troubleshooting

Problem	Possible Cause	Solution
Nailer not firing	Battery low/dead, Nail magazine empty, Safety contact trip not fully depressed	Recharge battery, Load nails, Ensure nose is firmly pressed against workpiece
Nails not driving fully	Depth adjustment too shallow, Incorrect nail length, Low battery	Adjust depth deeper, Use appropriate nail length, Recharge battery
Nails jamming frequently	Incorrect nail type/size, Debris in magazine, Worn driver blade	Use recommended nails, Clear debris, Contact service for blade replacement
LED indicators flashing	Low battery or nail jam	Check battery level or clear any jams

Specifications

Feature	Detail
Model	DCN680B
Item Weight	6.15 pounds
Product Dimensions	13.23 x 11.85 x 4.1 inches
Power Source	Battery Powered
Battery Voltage	20V MAX*
Nail Gauge	18 GA
Fastener Length	5/8 in to 2-1/8 in
Material	Alloy Steel
Included Components	(1) DCN680 - Brad nailer (Tool Only)

Warranty and Support

For warranty information and technical support, please refer to the official DEWALT website or contact DEWALT customer service. A PDF user manual is also available for download.
Download User Manual (PDF)

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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.

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