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› Metabo HPT 18V MultiVolt Compact Cordless 18-Gauge Brad Nailer NT1850DG Instruction Manual

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1. PRODUCT OVERVIEW

The Metabo HPT 18V MultiVolt Compact Cordless 18-Gauge Brad Nailer (Model NT1850DG) is designed for driving 18-gauge brad nails from 5/8" to 2" in length. This tool operates on an 18V Lithium-Ion battery, eliminating the need for a compressor or hose. It features a mechanical spring drive system for consistent power and a lightweight, compact design for ease of use.



Figure 1: Metabo HPT 18V MultiVolt Compact Cordless 18-Gauge Brad Nailer, including the 2.0Ah battery and charger.

Key Features:

- **Mechanical Spring Drive:** Provides consistent power for driving brad nails up to 2 inches.
- **Long Lasting Battery:** The included 2.0Ah 18V battery with fuel gauge allows for approximately 700 nails per charge.
- **Low Center Height & Lightweight:** Weighs only 5.5 lbs, making it suitable for tight spaces and extended use.
- **Fast Response:** Offers quick firing between nails with no ramp-up time.
- **Bright LED Light:** Illuminates the work area for improved visibility.
- **Simple Adjustment:** Features tool-less depth of drive adjustment.
- **Fastener Compatibility:** Accepts 5/8" up to 2" 18-Gauge brad nails.
- **Convenience:** Operates without gas cartridges, hoses, or noisy compressors.

2. SAFETY INFORMATION

Always read and understand all safety warnings, instructions, illustrations, and specifications provided with this

power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury. Keep all warnings and instructions for future reference.

General Safety Precautions:

- Wear eye protection and hearing protection when operating the nailer.
- Ensure the workpiece is stable and secured before nailing.
- Keep hands and body parts away from the nailing area.
- Do not operate the tool in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Always disconnect the battery pack before making any adjustments, changing accessories, or storing the tool.
- Use the safety lock mechanism when the tool is not in use or during transport.

3. COMPONENTS INCLUDED

The Metabo HPT 18V MultiVolt Compact Cordless 18-Gauge Brad Nailer kit includes the following items:

- NT1850DG Brad Nailer
- 18V 2.0Ah Lithium-Ion Battery
- Battery Charger
- No-Mar Nose Caps
- Belt Hook
- Safety Glasses

4. SETUP AND ASSEMBLY

4.1 Battery Installation and Charging

To install the battery, align the battery pack with the receptacle on the tool handle and slide it in until it clicks into place. To remove, press the release buttons on the sides of the battery and slide it out.



Figure 2: Proper insertion of the 18V battery into the nailer's handle.

To charge the battery, connect the charger to a power outlet. Insert the battery pack into the charger, ensuring it is seated correctly. The charger's indicator light will show the charging status. A solid red light typically indicates charging, and a green light indicates a full charge.

4.2 Loading Brad Nails

Ensure the battery is removed and the safety lock is engaged before loading nails. Pull back the magazine follower and insert a strip of 18-gauge brad nails into the magazine, with the points facing forward. Release the follower to secure the nails.



Figure 3: The nailer's magazine, ready for loading 18-gauge brad nails.

4.3 Adjusting Depth of Drive

The depth of drive can be adjusted without tools. Locate the depth adjustment dial or lever near the nose of the tool. Rotate or slide it to increase or decrease the nail's penetration depth. Test on a scrap piece of material to achieve the desired depth.



Figure 4: Detail of the tool-less depth adjustment mechanism on the nailer.

4.4 Safety Lock

The tool is equipped with a safety lock to prevent accidental firing. Engage the lock when the tool is not in immediate use or when transporting it. Disengage the lock before operation.

5. OPERATION

After setting up the nailer, ensure you are wearing appropriate safety gear. Place the nose of the tool firmly against the workpiece where you intend to drive a nail. The contact trip mechanism must be fully depressed. Then, pull the trigger to fire a nail. The integrated LED light will illuminate the work area, enhancing visibility.

Video 1: A brief demonstration of the Metabo HPT 18V Brad Nailer in action, highlighting its power and ease of use for trim applications.



Figure 5: An operator using the cordless brad nailer to secure trim around a window.

The nailer is designed for fast response, allowing for quick successive nailing without significant delay. The 2.0Ah battery provides sufficient power for driving up to 700 brads per charge, making it efficient for various tasks.

6. MAINTENANCE

6.1 Clearing Jams

In the event of a nail jam, ensure the battery is removed and the safety lock is engaged. The NT1850DG features a tool-free jam removal mechanism. Refer to the diagrams near the nose of the tool for specific instructions on how to open the nose and clear any jammed fasteners.

6.2 General Care

- Regularly clean the tool with a soft, dry cloth to remove dust and debris.
- Inspect the nose and magazine for any wear or damage before each use.
- Store the tool and battery in a dry, secure location away from extreme temperatures.
- Ensure the battery contacts are clean and free from corrosion.

7. TROUBLESHOOTING

If the tool is not operating as expected, consider the following common issues:

- **Tool Not Firing:** Check if the battery is fully charged and properly inserted. Ensure the safety lock is disengaged and the contact trip is fully depressed against the workpiece.
- **Nails Not Driving Fully:** Adjust the depth of drive setting to a deeper penetration. Ensure the correct nail gauge and length are being used for the material.
- **Jams Occurring Frequently:** Verify that the correct size and type of brad nails are being used. Follow the jam clearing procedure carefully.
- **LED Indicator Flashing:** A rapidly flashing LED may indicate a low battery or an overheating condition. Allow the battery or tool to cool down if overheating is suspected.

8. SPECIFICATIONS

Specification	Value
Manufacturer	Koki Holdings America, Ltd
Part Number	NT1850DG
Item Weight	9.3 pounds
Product Dimensions	11 x 3.5 x 10 inches
Item Model Number	NT1850DG
Batteries	1 Lithium Ion battery required (included)
Power Source	Battery Powered
Voltage	18 Volts
Battery Cell Type	Lithium Ion
Fastener Gauge	18 Gauge
Fastener Length	5/8" to 2"
Nails per Charge (2.0Ah)	Up to 700

9. WARRANTY AND SUPPORT

The Metabo HPT 18V MultiVolt Compact Cordless 18-Gauge Brad Nailer (NT1850DG) comes with the following warranty coverage:

- **Tool:** 5-Year Professional Warranty
- **Battery:** 2-Year Lithium-Ion Battery Warranty

- **Charger:** 1-Year Charger Warranty

For technical support, service, or warranty claims, please contact Koki Holdings America, Ltd. customer service. Refer to the product packaging or the official Metabo HPT website for the most current contact information.