

NANWEI NW-D8213

NANWEI NW-D8213 Cordless Drill User Manual

Model: NW-D8213

1. INTRODUCTION

Thank you for choosing the NANWEI NW-D8213 Cordless Drill. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before first use and keep it for future reference.

The NANWEI NW-D8213 is a powerful and versatile cordless drill featuring a brushless motor, two-speed settings, and 21 torque adjustments, designed for various drilling and driving applications. It is compatible with Makita 18V series batteries.

2. SAFETY INSTRUCTIONS

WARNING: Read 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.

General Power Tool Safety

- **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:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating noisy tools. Dress properly; avoid loose clothing or jewelry. Keep hair, clothing, and gloves away from moving parts.
- **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 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.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all items listed below are present and undamaged:

- 1 x NANWEI NW-D8213 Cordless Drill (Tool Only)

- 1 x English User Manual
- 1 x Fixing Bit
- 1 x Glass Bit
- 11 x Screwdriver Bits
- 9 x Socket Wrenches
- 4 x Twist Drills
- 1 x Flexible Shaft Screwdriver

Note: Battery and charger are not included with this tool.

4. PRODUCT FEATURES

Brushless Motor



Equipped with a high-performance brushless motor, this drill offers 80% more power and 60% less energy consumption compared to traditional brushed motors. This design ensures quieter operation, increased efficiency, and a longer tool lifespan.

2-Speed Modes & 21 Torque Settings

2 Speed Mode

- 1** Low Speed
0-500 RPM
- 2** High Speed
0-1600 RPM

Stepless Speed Change

- 01** Push hard for high speed
- 02** Push lightly for low speed
- 03** Release finger to stop



The drill features two variable speed modes: Low Speed (0-500 RPM) for precision tasks and High Speed (0-1600 RPM) for heavy-duty drilling. With 21 torque settings, you can achieve precise control for both drilling and screwdriving in various materials like wood, metal, and plastic.

Keyless Chuck & LED Light



The 10mm keyless chuck allows for quick and tool-free bit changes. An integrated LED light illuminates your work area, improving visibility in dark environments.

Ergonomic Design & Battery Compatibility



The ergonomic non-slip rubber handle ensures a comfortable grip and reduces hand fatigue during extended use. This tool is compatible with Makita 18V series batteries (e.g., BL1860B, BL1850B, BL1830B) and 14V series batteries (e.g., BL1415N, BL1430B).

5. SETUP

5.1 Attaching/Removing the Battery

1. Ensure the drill is switched off.
2. To attach: Align the battery pack with the base of the drill and slide it in until it clicks securely into place.
3. To remove: Press the battery release button (if present) and slide the battery pack out.

Note: This tool is sold without a battery or charger. Use only compatible Makita 18V or 14V series batteries.

5.2 Installing/Removing Drill Bits

Easy Installation



This image illustrates the process of installing a drill bit.

1. Rotate the chuck counter-clockwise to open the jaws.
2. Insert the desired drill bit or screwdriver bit into the chuck jaws. Ensure the bit is centered and fully seated.
3. Rotate the chuck clockwise to tighten the jaws securely around the bit. Hand-tighten firmly.
4. To remove, rotate the chuck counter-clockwise until the jaws open, then pull the bit out.

6. OPERATING INSTRUCTIONS

6.1 Selecting Speed Mode

2 Speed Mode Change



This image shows the location of the 2-speed mode selector switch.

The drill has a speed selector switch located on top of the tool:

- **Position 1 (Low Speed):** 0-500 RPM. Ideal for screwdriving, larger drilling diameters, or applications requiring higher torque and more control.
- **Position 2 (High Speed):** 0-1600 RPM. Suitable for smaller drilling diameters and applications requiring faster drilling.

Always ensure the tool is stopped before changing speed modes.

6.2 Adjusting Torque Settings

21 Torque Setting: Fit for Tightening & Drilling

Max Torque **50** N · m



This image highlights the 21 torque setting ring on the drill.

The torque adjustment ring is located behind the chuck. Rotate the ring to select one of the 21 torque settings.

- Lower numbers (1-5) are for driving small screws or working with soft materials.
- Higher numbers (15-21) are for driving larger screws or working with harder materials.
- The drill symbol setting is for drilling applications, providing maximum torque without clutch engagement.

6.3 Forward/Reverse Rotation

Direction Change



This image demonstrates how to use the forward/reverse switch for tightening and loosening screws. The forward/reverse switch is located above the trigger.

- Push the switch to the left for forward rotation (clockwise) to tighten screws or drill.
- Push the switch to the right for reverse rotation (counter-clockwise) to loosen screws or remove bits.
- Center position locks the trigger, preventing accidental startup.

Always ensure the tool is stopped before changing the direction of rotation.

6.4 Operating the Trigger Switch

The trigger switch controls the tool's speed.

- Pressing the trigger lightly results in low speed.
- Pressing the trigger harder increases the speed.
- Releasing the trigger stops the tool.

The integrated LED light activates when the trigger is pressed, illuminating the work area.

7. MAINTENANCE

7.1 Cleaning

- Always disconnect the battery pack before performing any cleaning or maintenance.
- Keep the ventilation openings of the tool clean to prevent overheating.
- Wipe the tool housing with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Clean the chuck jaws regularly to ensure proper grip on bits.

7.2 Storage

- Store the tool and battery pack in a cool, dry place, away from direct sunlight and moisture.
- Ensure the battery is removed from the tool before storage.
- Keep out of reach of children.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start	Battery not inserted correctly or discharged. Forward/reverse switch in center (locked) position.	Ensure battery is fully charged and properly inserted. Move forward/reverse switch to desired operating position.
Reduced power or speed	Battery charge is low. Tool is overloaded.	Recharge the battery. Reduce pressure on the tool or use a lower speed setting.
Bit slips in chuck	Chuck not tightened sufficiently. Bit shank is dirty or damaged.	Tighten chuck firmly. Clean or replace the bit.
Overheating	Continuous heavy use. Blocked ventilation openings.	Allow the tool to cool down. Clear any obstructions from ventilation openings.

9. SPECIFICATIONS

Feature	Specification
Brand	NANWEI
Model Number	NW-D8213
Power Source	Battery (Cordless)
Voltage	20 Volts (Compatible with Makita 18V/14V series)
Max Rotation Speed	1600 RPM
Low Speed	0-500 RPM
High Speed	0-1600 RPM
Max Torque	50 N.m (443 Inch-pounds)
Torque Settings	21
Chuck Size	10 mm (0.38 Inches) Keyless
Motor Type	Brushless
Special Features	Cordless, Rechargeable, Variable Speed, LED Light
Dimensions (L x W x H)	25.3 x 3.5 x 15.6 cm
Material	Metal

10. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. NANWEI is committed to providing high-quality tools and customer satisfaction. If you have any questions, require technical assistance, or need to report an issue, please contact NANWEI customer support through the retailer where the product was purchased or visit the official NANWEI website for contact details.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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.

Submit question