

FAHEFANA 20VDZ

FAHEFANA 20VDZ 21V Cordless Hammer Drill User Manual

Model: 20VDZ

1. INTRODUCTION

Thank you for choosing the FAHEFANA 20VDZ 21V Cordless Hammer Drill. This versatile power tool is designed for various tasks, including driving screws and drilling into materials such as wood, ceramics, plastics, metals, plasterboard, and concrete blocks. This manual provides essential information for safe operation, proper setup, maintenance, and troubleshooting to ensure optimal performance and longevity of your tool.

2. SAFETY INSTRUCTIONS

Always observe basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury. Read all instructions carefully before operating the drill.

- **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 such as pipes, radiators, ranges, and refrigerators. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating the drill for extended periods. Dress properly; avoid loose clothing or jewelry that can get caught in moving parts.
- **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.

3. PACKAGE CONTENTS

Verify that all items are present upon unpacking:

- 1x FAHEFANA 21V Cordless Hammer Drill
- 2x 2.0Ah Lithium Batteries
- 1x Fast Charger

- 1x Tool Kit
- 3x Rotary Drills
- 3x Auger Drills
- 3x Flat Drills
- 3x Screwdriver Bits
- 1x Hexagonal Screwdriver Holder
- 9x Socket Wrenches
- 1x Socket Adapter
- 1x Safety Lever
- 1x Brush Bit
- 1x User Manual (this document)

4. SETUP

4.1 Charging the Battery

The drill is supplied with two 2.0Ah high-capacity lithium batteries and a 2.0A fast charger. Each battery can be fully charged in approximately 60 minutes, providing 60-80 minutes of continuous use.

1. Remove the battery from the drill by pressing the release buttons on the sides of the battery pack and sliding it out.
2. Connect the charger to a standard power outlet.
3. Insert the battery pack into the charger. The charger's LED indicator will show the charging status (e.g., red for charging, green for fully charged).
4. Once fully charged, disconnect the battery from the charger and unplug the charger from the power outlet.



Figure 4.1: The 21V 2000mAh lithium battery pack, indicating its capacity and voltage. Ensure proper charging for optimal performance.

4.2 Installing/Removing Battery

- **To Install:** Align the battery pack with the base of the drill handle and slide it in until it clicks securely into place.
- **To Remove:** Press the battery release buttons on both sides of the battery pack and slide the battery out.

4.3 Installing Drill Bits/Screwdriver Bits

The drill features a 10mm self-locking keyless chuck for quick and easy bit changes.

1. Rotate the chuck counter-clockwise to open the jaws to the desired size.
2. Insert the drill bit or screwdriver bit into the chuck, ensuring it is centered.
3. Rotate the chuck clockwise to tighten the jaws firmly around the bit. Ensure the bit is securely held before operation.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

The drill is activated by pressing the trigger switch. The speed is variable depending on the pressure applied to the trigger.

- **To Start:** Press the trigger switch.
- **To Stop:** Release the trigger switch.
- **Direction Control:** Use the forward/reverse switch located above the trigger to select rotation direction. Push left for forward (drilling/screwing in), push right for reverse (screwing out). Center position locks the trigger for safety.

5.2 Speed Selection

The drill features a dual-speed gearbox for optimal performance across different applications.

- **Low Speed (0-450 RPM):** Select this speed for screwdriving tasks or when drilling larger holes in softer materials. Use the speed selector switch on top of the drill.
- **High Speed (0-1650 RPM):** Select this speed for drilling smaller holes or when working with harder materials.



Figure 5.1: Speed selector switch for choosing between low speed (0-450 RPM) for screwdriving and high speed (0-1650 RPM) for drilling.

5.3 Torque Adjustment

The drill offers 25+3 torque settings, allowing precise control for various materials and applications. The maximum torque can reach 45 Nm.

- Rotate the torque adjustment ring, located behind the chuck, to select the desired setting.
- Lower torque settings (1-25) are suitable for screwdriving to prevent over-tightening or damaging screw heads.
- The drill symbol (hammer icon for hammer drill mode) is for drilling applications, providing maximum torque.



Figure 5.2: Torque adjustment ring with 25+3 settings for precise control across various materials.



Figure 5.3: The drill's powerful 45 Nm torque for demanding tasks, with efficient heat dissipation.

5.4 Mode Selection (Drill, Hammer, Screwdriver)

The drill offers multiple modes for different applications:

- **Screwdriver Mode:** Use the torque settings (1-25) for driving screws.
- **Drill Mode:** Select the drill symbol on the torque ring for standard drilling in wood, metal, plastic, etc.
- **Hammer Drill Mode:** Select the hammer symbol for drilling into masonry, concrete, or brick. This mode engages an impact mechanism for faster drilling in hard materials.



Figure 5.4: The drill operating in hammer mode, suitable for drilling into concrete and masonry.

5.5 Using the LED Light

A built-in LED light illuminates the work area, allowing for easy operation in dark or poorly lit environments. The light activates automatically when the trigger is pressed.



Figure 5.5: The integrated LED light provides illumination for working in low-light conditions.

6. MAINTENANCE

6.1 Cleaning

- Always disconnect the battery pack before cleaning.
- Use a soft, damp cloth to wipe down the exterior of the drill. Do not use harsh chemicals or abrasive cleaners.
- Keep the ventilation openings clear of dust and debris to prevent overheating. Use compressed air if necessary.

6.2 Battery Care

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not store batteries in a discharged state for extended periods. Recharge them periodically if not in use.
- Avoid dropping or physically damaging the battery packs.

6.3 Storage

- Store the drill and its accessories in a clean, dry, and secure location, out of reach of children.
- If storing for a long period, remove the battery from the drill.

7. TROUBLESHOOTING

Refer to the table below for common issues and their potential solutions.

Problem	Possible Cause	Solution
Drill does not start	Battery not charged or improperly installed. Forward/reverse switch in center (locked) position.	Charge battery and ensure it is securely installed. Move forward/reverse switch to desired direction.
Reduced power or short run time	Battery not fully charged. Battery nearing end of life.	Fully charge the battery. Consider replacing the battery if it no longer holds a charge.
Bit not holding securely	Chuck not tightened sufficiently.	Ensure the chuck is rotated clockwise until the bit is firmly gripped.
Overheating during use	Blocked ventilation slots. Excessive load.	Clean ventilation slots. Reduce pressure on the drill or use a larger bit for the task. Allow the tool to cool.

8. SPECIFICATIONS

Technical specifications for the FAHEFANA 20VDZ 21V Cordless Hammer Drill:

Feature	Specification
Model Number	20VDZ
Brand	FAHEFANA
Power Source	Battery Powered
Voltage	21V (Nominal 20V)
Battery Capacity	2.0 Ah (Lithium-ion)
Amperage	2 Amps
Maximum Torque	45 Newton Meters
Torque Settings	25 + 3 (Drill, Hammer, Screwdriver)
Number of Speeds	2
Low Speed	0-450 RPM
High Speed	0-1650 RPM
Chuck Size	10 Millimeters (Keyless)

Feature	Specification
Drill Type	Hammer Drill
Special Features	Adjustable Mode, Adjustable Torque, Built-In LED Working Light, Cordless, Keyless Chuck
Product Dimensions (L x W x H)	32.7 x 9.6 x 30.5 Centimeters
Item Weight	2 kg 950 g
Material	Metal
Color	Orange

9. WARRANTY AND SUPPORT

FAHEFANA products are manufactured to high-quality standards. For information regarding warranty coverage, technical support, or service inquiries, please refer to the warranty card included with your purchase or contact FAHEFANA customer service through the retailer where the product was purchased. Please retain your proof of purchase for warranty claims.

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