

FAHEFANA 21VDZ-T

FAHEFANA 21V Cordless Impact Drill User Manual

Model: 21VDZ-T | Brand: FAHEFANA

1. INTRODUCTION AND SAFETY INFORMATION

Thank you for choosing the FAHEFANA 21V Cordless Impact Drill. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new tool. Please read all instructions carefully before use and retain this manual for future reference.

General Safety Warnings

- Always wear appropriate personal protective equipment, including safety glasses, hearing protection, and gloves.
- 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.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Ensure the battery is fully charged before use and removed when not in use or during maintenance.
- Avoid unintentional starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the tool.
- Use the correct tool for your application. Do not force the tool.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x FAHEFANA 21V Cordless Impact Drill
- 2 x 2.0Ah Lithium-Polymer Batteries

- 1 x Fast Charger
- 3 x Screwdrivers
- 3 x Impact Drill Bits
- 3 x Twist Drill Bits
- 3 x Point Drill Bits
- 3 x Flat Drill Bits
- 9 x Socket Wrenches
- 1 x Socket Adapter
- 1 x Hexagonal Screwdriver Holder
- 1 x Flexible Shaft Holder
- 1 x User Manual

3. PRODUCT FEATURES

- **Multiple Operating Modes:** Easily switch between Screwdriver, Drill, and Impact Drill modes for various tasks.
- **High Torque Output:** Equipped with a pure copper motor delivering a maximum torque of 45 Nm.
- **Adjustable Torque Settings:** Features 25+3 torque levels for precise control over different materials.
- **10mm Metal Self-Locking Chuck:** Ensures secure and stable attachment of drill bits and accessories.
- **Dual Speed Settings:** Two-speed gearbox (0-400 RPM and 0-1650 RPM) for optimized performance.
- **Integrated LED Light:** Illuminates the work area for improved visibility in dark spaces.
- **Ergonomic Design:** Comfortable grip and balanced weight for reduced fatigue during prolonged use.
- **Convenient Belt Clip:** Allows for easy carrying and quick access to the tool.

4. SETUP

4.1 Charging the Battery

The drill comes with two 2.0Ah Lithium-Polymer batteries. Ensure batteries are fully charged before first use.

1. Connect the fast charger to a standard power outlet.
2. Slide the battery pack onto the charger until it clicks into place.
3. The charger indicator light will show the charging status (e.g., red for charging, green for fully charged).
4. Once fully charged, remove the battery from the charger.



Image: The FAHEFANA 21V Cordless Impact Drill with its two 2.0Ah Lithium-Polymer batteries, highlighting the power source.

4.2 Installing and Removing the Battery

- **To Install:** Align the battery pack with the base of the drill handle and slide it in until it locks securely.
- **To Remove:** Press the battery release button (usually located on the front or sides of the battery pack) and slide the battery out.

4.3 Attaching and Removing Drill Bits/Accessories

The drill features a 10mm metal self-locking chuck.

1. **To Attach:** Rotate the chuck counter-clockwise to open the jaws. Insert the drill bit or accessory into the chuck. Rotate the chuck clockwise to tighten the jaws firmly around the bit. Ensure the bit is centered and secure.
2. **To Remove:** Rotate the chuck counter-clockwise to loosen the jaws and pull out the bit.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Press the trigger switch to turn the drill on. Release the trigger switch to turn it off. The speed is variable depending on how far the trigger is pressed.

5.2 Speed Settings

The drill has two mechanical speed settings, controlled by a switch located on top of the drill housing.

- **Speed 1 (0-400 RPM):** Ideal for driving screws and applications requiring higher torque and lower speed.
- **Speed 2 (0-1650 RPM):** Suitable for drilling and applications requiring higher speed.



Image: Illustration of the two-speed settings (0-400 RPM for screwdriving and 0-1650 RPM for drilling) on the FAHEFANA cordless drill.

5.3 Torque Settings (Clutch)

The torque adjustment ring allows you to select from 25 torque settings plus 3 special modes (Drill, Impact, Screwdriver). This prevents over-driving screws or damaging materials.

- Rotate the torque ring to the desired setting. Lower numbers are for smaller screws and softer materials; higher numbers are for larger screws and harder materials.
- Select the **Drill** symbol for general drilling without impact.

- Select the **Impact Drill** symbol for drilling into masonry or concrete.
- Select the **Screwdriver** symbol for driving screws.



Image: Close-up view of the drill's chuck and torque adjustment ring, showing the 25+3 settings for different material applications.

5.4 Forward/Reverse Switch

The forward/reverse switch is located above the trigger. Push it left for forward rotation (for driving screws or drilling) and right for reverse rotation (for removing screws or backing out bits). When the switch is in the center position, the trigger is locked for safety.

5.5 Using the LED Light

The integrated LED light automatically illuminates when the trigger is pressed, providing visibility in dimly lit work areas.



Image: The FAHEFANA cordless drill with its LED light illuminating a dark work surface, demonstrating its utility in low-light conditions.

5.6 Impact Drilling Function

When the impact drill mode is selected, the tool provides a hammering action in addition to rotation, suitable for drilling into hard materials like concrete or masonry.



Image: A FAHEFANA cordless impact drill being used to drill into a concrete wall, illustrating its 45 Nm maximum torque and impact function.

6. MAINTENANCE

6.1 Cleaning

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

6.2 Storage

- Store the tool and accessories in a dry, secure place, away from direct sunlight and extreme temperatures.
- Keep out of reach of children.

6.3 Battery Care

- Do not store batteries in a discharged state. Recharge them regularly, especially if not used for extended periods.
- Avoid exposing batteries to water, heat, or direct sunlight.
- Dispose of old or damaged batteries responsibly according to local regulations.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drill does not start	Battery not installed correctly Battery discharged Forward/reverse switch in center (locked) position	Reinstall battery securely Charge battery Move switch to forward or reverse position
Loss of power during operation	Battery low Overload	Recharge battery Reduce pressure or use a sharper bit
Bit wobbles or falls out	Chuck not tightened properly Bit shank damaged	Tighten chuck firmly Replace damaged bit
Overheating	Blocked ventilation slots Prolonged heavy use	Clean ventilation slots Allow tool to cool down

8. TECHNICAL SPECIFICATIONS

Feature	Specification
Manufacturer	FAHEFANA
Model Number	21VDZ-T
Product Dimensions (L x W x H)	30 x 20 x 10 cm
Weight	2.9 kg
Battery Type	Lithium-Polymer
Battery Voltage	21 Volts
Battery Capacity	2.0 Ah (per battery)
Max Torque	45 Newton-meters (Nm)
No-Load Speed (Speed 1)	0-400 RPM
No-Load Speed (Speed 2)	0-1650 RPM
Torque Settings	25 + 3 modes
Chuck Size	10 mm

Feature	Specification
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Power Source	Battery Powered
Material	Plastic (body)
Color	Orange

9. WARRANTY INFORMATION

FAHEFANA products are manufactured to high-quality standards. For specific warranty details, please refer to the warranty card included with your purchase or contact customer support. Keep your proof of purchase for any warranty claims.

10. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to report an issue with your FAHEFANA 21V Cordless Impact Drill, please contact our customer support team. Contact information can typically be found on the product packaging or our official website.