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› FAHEFANA 12V Cordless Drill Driver User Manual

FAHEFANA 12V-T

FAHEFANA 12V Cordless Drill Driver Instruction Manual

Model: 12V-T

1. INTRODUCTION

Thank you for choosing the FAHEFANA 12V Cordless Drill Driver. This versatile tool is designed for various drilling and screwdriving tasks around the home and for DIY projects. Its compact size, powerful motor, and comprehensive accessory set make it an efficient and practical companion for your projects. Please read this manual carefully before operating the tool to ensure safe and effective use.

2. SAFETY INSTRUCTIONS

Always follow basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury.

- **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 for extended periods. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **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 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

Your FAHEFANA 12V Cordless Drill Driver package includes the following items:

- 1 x FAHEFANA 12V Cordless Drill Driver
- 1 x 2000 mAh Lithium Polymer Battery
- 1 x Battery Charger
- 1 x Portable Storage Bag

- 6 x Screwdriver Bits
- 3 x Twist Drills
- 3 x Brad Point Drill Bits
- 9 x Socket Wrenches
- 1 x Base Adapter
- 1 x Hex Screwdriver Holder
- 1 x Flexible Tool Pusher (Flexible Shaft)



Figure 3.1: Overview of the FAHEFANA 12V Cordless Drill Driver and its 25 accessories, including various drill bits, screwdriver bits, socket wrenches, a flexible shaft, charger, and storage bag.

4. PRODUCT FEATURES

The FAHEFANA 12V Cordless Drill Driver is equipped with several features designed for optimal performance and user convenience:

- **Powerful Motor & Torque:** Delivers 25 Nm of torque, suitable for a wide range of drilling and screwdriving applications.
- **25+1 Torque Settings:** Provides precise control for various materials and screw sizes, preventing overtightening or stripping. The '+1' setting is for drilling mode, offering maximum torque.
- **Two-Speed Transmission:** Features a low speed (0-450 RPM) ideal for screwdriving and high speed (0-1400 RPM) for efficient drilling.
- **Integrated LED Light:** Illuminates the work area for improved visibility in dimly lit spaces.
- **Forward/Reverse Switch:** Allows for easy changing of rotation direction for screwdriving and unscrewing.
- **Ergonomic Handle:** Designed for comfortable grip and reduced user fatigue during extended use.
- **Compact & Lightweight Design:** Weighing approximately 1kg (including battery), it is easy to handle and maneuver, especially in tight spaces.
- **Keyless Chuck:** A 10mm (3/8 inch) keyless chuck allows for quick and easy bit changes.



Figure 4.1: The drill features a 2-speed transmission. Low speed (0-450 RPM) is recommended for screwdriving, and high speed (0-1400 RPM) is recommended for drilling.

25+1 Torque Setting

More Accurate Control



Figure 4.2: The 25+1 torque setting ring provides accurate control for various materials like ceramic tile, wood, plastic, and steel plate, as well as different screw types.



Figure 4.3: Key operational features include an integrated LED light for illumination, a switch for changing the direction of rotation (forward/reverse), and a variable speed control trigger for precise operation.



Figure 4.4: The drill features a torque protection function. When engaged, it helps prevent damage to screws and workpieces by stopping the drill once the set torque is reached, ensuring precise drilling in stressed objects.

5. SETUP

5.1 Charging the Battery

The battery pack is not fully charged upon purchase. It is recommended to fully charge the battery before first use.

1. Remove the battery pack from the drill by pressing the release buttons on the sides of the battery and sliding it out.
2. Connect the charger to a standard power outlet.
3. Insert the battery pack into the charger. The charging indicator light on the charger will show the charging status.
4. Once fully charged, disconnect the battery from the charger and unplug the charger from the outlet.

5.2 Installing/Removing the Battery Pack

- **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 pull the battery out from the drill handle.

5.3 Attaching Drill Bits and Accessories

The drill features a 10mm (3/8 inch) keyless chuck for quick bit changes.

1. Rotate the chuck counter-clockwise until the jaws are open wide enough to insert the desired bit or accessory.
2. Insert the bit fully into the chuck.
3. Rotate the chuck clockwise until the bit is securely tightened. Ensure the bit is centered and firmly gripped to prevent slippage during operation.

Flexible Shaft & Led Light



Figure 5.1: The flexible shaft accessory allows for screwdriving in hard-to-reach areas, while the integrated LED light illuminates the workspace for better visibility.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off and Speed Control

The drill is activated by pressing the trigger switch. The speed is variable and controlled by the amount of pressure applied to the trigger. Pressing lightly results in lower speed, while pressing fully increases the speed.

6.2 Adjusting Torque Settings

The torque setting ring is located behind the chuck. Rotate the ring to select the desired torque level from 1 to 25. For drilling, select the drill symbol (marked '+1' or drill icon) for maximum torque.

- **Lower Torque Settings (1-5):** Suitable for small screws and soft materials.
- **Medium Torque Settings (6-15):** For medium screws and materials like wood or plastic.

- **Higher Torque Settings (16-25):** For larger screws and harder materials.
- **Drill Mode (Drill Symbol):** For all drilling applications, providing full power without clutch engagement.

6.3 Changing Speed Gear

A two-speed gear selector switch is located on top of the drill. Slide the switch to select between:

- **Gear 1 (Low Speed):** 0-450 RPM, ideal for high-torque screwdriving and larger drilling diameters.
- **Gear 2 (High Speed):** 0-1400 RPM, suitable for fast drilling and smaller drilling diameters.

Always ensure the drill has come to a complete stop before changing the speed gear.

6.4 Forward/Reverse Rotation

The forward/reverse selector switch is located above the trigger. Push the switch to the left for forward rotation (for drilling and tightening screws) and to the right for reverse rotation (for loosening screws or removing bits).

When the switch is in the center position, the trigger is locked, preventing accidental startup.

7. MAINTENANCE

7.1 Cleaning

Regular cleaning ensures optimal performance and extends the life of your tool.

- 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.
- Clean the chuck jaws regularly to ensure proper gripping of bits.

7.2 Battery Care and Storage

- Store the battery pack in a cool, dry place, away from direct sunlight and extreme temperatures.
- For long-term storage, charge the battery to approximately 50% capacity.
- Do not store the battery pack fully discharged or fully charged for extended periods.
- If the battery will not be used for a long time, recharge it every 3-6 months.

7.3 Storage of the Tool

After use, store the drill and its accessories in the provided portable storage bag. This protects the tool from dust and damage and keeps all components organized.

Easy to Store & Carry



Figure 7.1: The included portable storage bag makes it easy to store and carry the cordless drill driver, protecting it from damage and keeping accessories organized.



Figure 7.2: The drill's light and compact design (approximately 0.98 kg) enhances portability and reduces fatigue during use.



Figure 7.3: The comprehensive set of 25 accessories ensures versatility for different tasks, all neatly stored in the included bag.

8. TROUBLESHOOTING

If you encounter issues with your drill, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Drill does not start	Battery not charged or improperly installed; Forward/Reverse switch in center (locked) position; Motor fault.	Charge battery; Reinstall battery securely; Move F/R switch to forward or reverse; Contact customer support.
Loss of power during operation	Battery low; Overload; Overheating.	Recharge battery; Reduce pressure or use appropriate torque setting; Allow drill to cool down.

Problem	Possible Cause	Solution
Bit slips in chuck	Chuck not tightened sufficiently; Bit shank is dirty or damaged.	Tighten chuck firmly; Clean or replace bit.
Excessive vibration	Bent or damaged bit; Improperly installed bit.	Replace bit; Reinstall bit correctly.

9. SPECIFICATIONS

Specification	Value
Brand	FAHEFANA
Model Number	12V-T
Voltage	12 Volts
Battery Cell Type	Lithium Polymer
Torque	25 Newton Meters (Nm)
Torque Settings	25 + 1 (Drill Mode)
No-Load Speed (Gear 1)	0-450 RPM
No-Load Speed (Gear 2)	0-1400 RPM
Maximum Chuck Size	10 Millimetres (3/8 inch)
Product Dimensions	20 x 5.5 x 19 cm
Item Weight (with battery)	1.6 kg
Special Features	Portable, Cordless, Compact, LED Light

10. WARRANTY AND SUPPORT

FAHEFANA stands behind the quality of its products. For warranty information, technical support, or service inquiries, please refer to the contact details provided with your purchase or visit the official FAHEFANA website. Please retain your proof of purchase for warranty claims.

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