

FADAKWALT DC-7420A

FADAKWALT 20V Cordless Drill Set Instruction Manual

Model: DC-7420A

1. INTRODUCTION

Thank you for choosing the FADAKWALT 20V Cordless Drill Set. 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.

2. SAFETY INFORMATION

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep your work area clean and well-lit. 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.

2.1 Personal Safety

- Always wear appropriate personal protective equipment, including safety glasses, hearing protection, and gloves.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing, and gloves away from moving parts.
- Stay alert, watch what you are doing, and use common sense when operating a power tool.

2.2 Power 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.
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.
- Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation.

2.3 Battery Pack Use and Care

- Recharge only with the charger specified by the manufacturer.
- Do not use battery packs with any other power tools.
- When the battery pack is not in use, keep it away from other metal objects that can make a connection from one terminal to another.
- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, seek medical help.

3. PRODUCT OVERVIEW

The FADAKWALT 20V Cordless Drill Set is designed for various drilling and screw-driving tasks. It features a powerful motor, adjustable torque settings, and a comfortable ergonomic design.

3.1 Included Components

The FADAKWALT 20V Cordless Drill Set includes the following items:

- FADAKWALT 20V Cordless Drill
- 20V Lithium-ion Battery
- Battery Charger
- Flexible Extension Shaft
- Socket Adapter
- Screwdriver Bits (various sizes)
- Wood Drill Bits (various sizes)
- HSS Twist Drill Bits (various sizes)
- Screw Anchor Set (screws and anchors)
- 9 Sockets



Figure 3.1: FADAKWALT 20V Cordless Drill Set and Accessories



Figure 3.2: Detailed view of included components

3.2 Drill Features

Familiarize yourself with the key features of your FADAKWALT Cordless Drill:



Figure 3.3: Key Features of the Cordless Drill

- **3/8-Inch Keyless Chuck:** Allows for quick and easy bit changes without a key.
- **21+1 Torque Setting:** Provides precise control for various applications, preventing over-driving or stripping.
- **LED Light:** Illuminates the work area for improved visibility.
- **Variable Speed Switch:** Enables control over drilling/driving speed based on pressure applied.
- **Forward/Reverse Switch:** Changes the rotation direction for driving and removing screws.
- **20V Li-ion Battery:** Provides cordless power and portability.

4. SETUP

4.1 Battery Charging and Installation

1. Ensure the battery is fully charged before first use. Connect the charger to a power outlet and then to the battery pack. The indicator light on the charger will show the charging status.
2. To install the battery, align the battery pack with the base of the drill handle and slide it in until it clicks securely into place.

3. To remove the battery, press the release buttons on the sides of the battery pack and slide it out.

4.2 Bit Installation

Follow these steps to install or change drill bits or screwdriver bits:

1. Rotate the gear on the chuck counter-clockwise to open the jaws.
2. Insert the desired drill bit or screwdriver bit into the chuck. Ensure the bit is centered.
3. Rotate the gear clockwise to tighten the chuck jaws firmly around the bit. Ensure the bit is securely held.
4. Verify the bit is secure by gently pulling on it.



Figure 4.1: Bit Installation Steps

4.3 Torque Setting Adjustment

The drill features a 21+1 torque adjustment clutch. This allows you to select the appropriate torque for your task, preventing damage to screws or materials.

1. Rotate the torque adjustment ring located behind the chuck to select a setting from 1 to 21. Lower numbers

are for driving small screws or working with soft materials. Higher numbers are for driving larger screws or working with harder materials.

2. The drill icon setting (after 21) is for drilling applications, providing maximum torque.



Figure 4.2: Torque Setting and Applications

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off and Variable Speed

The drill is activated by pressing the variable speed trigger. The speed of the drill is controlled by the amount of pressure applied to the trigger. Pressing lightly results in slower speeds, while pressing fully results in maximum speed.

5.2 Forward/Reverse Switch

The forward/reverse switch is located above the trigger. Push the switch to the left for forward rotation (driving screws, drilling) and to the right for reverse rotation (removing screws). Ensure the switch is in the center position to

lock the trigger and prevent accidental starting.

5.3 LED Work Light

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

5.4 Drilling Applications

Select the appropriate drill bit and torque setting for the material you are working with. For drilling, set the torque adjustment ring to the drill icon. Apply steady, even pressure and allow the drill to do the work.

- **Drilling Wood:** Use wood drill bits. Start with a low speed and increase as needed.
- **Drilling Metal:** Use HSS twist drill bits. Apply cutting oil to prolong bit life and improve cutting efficiency.
- **Drilling Tile/Ceramics:** Use specialized ceramic drill bits. It is recommended to use water cooling to prevent overheating and cracking.

5.5 Screw Driving

Select the appropriate screwdriver bit and torque setting. For screw driving, use a lower torque setting (1-21) to prevent over-driving or stripping the screw head. Start slowly and increase speed as the screw engages.

5.6 Using the Flexible Extension Shaft

The flexible extension shaft allows you to reach screws or drilling points in tight or awkward spaces. Simply insert the flexible shaft into the chuck and then attach your desired bit to the end of the flexible shaft. This accessory is particularly useful for corners or confined areas.



Drilling Metal



Drilling Wood



Drilling Corners



Drilling Screws

Figure 5.1: Versatile Applications of the Drill



Figure 5.2: User operating the FADAKWALT Cordless Drill

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your FADAKWALT Cordless Drill.

6.1 Cleaning

- Keep the ventilation slots of the drill clean to prevent overheating.
- Wipe the tool with a dry cloth. Do not use water or chemical cleaners.
- Clean the chuck jaws regularly to ensure proper bit gripping.

6.2 Storage

- Store the drill and accessories in a dry, secure place, away from direct sunlight and extreme temperatures.
- Ensure the battery is removed from the drill before storage.

6.3 Battery Care

- Do not store the battery in a discharged state. Recharge it periodically if not in use for extended periods.
- Avoid exposing the battery to extreme heat or cold.

7. TROUBLESHOOTING

If you encounter issues with your FADAKWALT Cordless 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.	Charge battery and ensure it is securely installed; Move Forward/Reverse switch to either forward or reverse position.
Loss of power during operation	Battery low or discharged.	Recharge the battery.
Bit slips in chuck	Chuck not tightened sufficiently; Bit shank is dirty or damaged.	Tighten chuck firmly; Clean or replace the bit.
Overheating	Prolonged heavy use; Blocked ventilation slots.	Allow drill to cool down; Clear any obstructions from ventilation slots.

8. SPECIFICATIONS

Technical specifications for the FADAKWALT 20V Cordless Drill Set (Model DC-7420A):

Feature	Specification
Brand	FADAKWALT
Model Number	DC-7420A
Voltage	20 Volts
Battery Type	Lithium Ion
Maximum Torque	30 Newton Meters
Torque Settings	21 + 1 (Drill Mode)
Chuck Size	3/8-Inch (10 mm) Keyless
Speed	Up to 1300 RPM (Variable)
Power Source	Battery Powered
Material	Plastic

Feature	Specification
Item Weight	1.83 kg
Product Dimensions	20 x 20 x 6 cm
Special Features	Variable Speed, LED Light

9. WARRANTY AND SUPPORT

FADAKWALT products are manufactured to high-quality standards. For warranty information, please refer to the warranty card included with your product or contact FADAKWALT customer service. If you have any questions, require technical assistance, or need to report a problem, please contact our customer support team through the retailer where the product was purchased or visit the official FADAKWALT 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.

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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

Answered questions about this manual

Can I use the FADAKWALT DC-7420A 20V Cordless Drill to drill into concrete?

Based on the instruction manual for the FADAKWALT DC-7420A 20V Cordless Drill, it is not recommended for drilling into concrete. The manual specifically lists applications for wood, metal, and tile/ceramics, but does not

mention...

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