

FADAKWALT DC-7420A

FADAKWALT 20V Cordless Drill Set User Manual

Model: DC-7420A | Brand: FADAKWALT

1. INTRODUCTION

1.1 Product Overview

The FADAKWALT 20V Cordless Drill Set is designed for a wide range of home DIY projects, offering powerful performance and user-friendly features. Its compact and lightweight design makes it ideal for various tasks, from assembling furniture to drilling into different materials.

1.2 Key Features

- **Powerful Torque:** Delivers 30 N.m torque for efficient drilling and screwing.
- **21+1 Position Clutch:** Provides precise torque control to prevent over-tightening or stripping screws.
- **20V Max Lithium Battery:** Ensures long runtime and consistent performance.
- **3/8-Inch Keyless Chuck:** Allows for quick and easy bit changes.
- **LED Light:** Illuminates the work area for improved visibility.
- **Forward/Reverse Switch:** Enables easy switching between drilling and driving directions.
- **Variable Speed:** Offers control over drilling speed for different applications.

1.3 Package Contents

Upon opening your FADAKWALT 20V Cordless Drill Set, please verify that all the following components are included:

- 1 x Cordless Drill (Pink)
- 1 x 20V Max Lithium Battery
- 1 x Battery Charger
- 1 x Magnetic Flexible Shaft
- 1 x Extension Bar
- 3 x Wood Drill Bits
- 3 x Twist Drill Bits
- 10 x Screwdriver Bits
- 1 x Screw Anchor Set (various screws and wall anchors)
- 1 x User Manual (this document)



Figure 1: Complete FADAKWALT 20V Cordless Drill Set and included accessories.



Figure 2: Detailed view of all components included in the FADAKWALT Cordless Drill Set.

2. IMPORTANT SAFETY INSTRUCTIONS

WARNING: To reduce the risk of injury, users must read and understand this instruction manual before operating the drill. Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury.

- Always wear appropriate personal protective equipment, such as safety glasses, when operating the drill.
- Ensure the work area is well-lit and clear of obstructions.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Always disconnect the battery pack from the drill before making any adjustments, changing accessories, or storing the tool.
- Always unplug the charger from the outlet before removing the battery pack.
- Use the correct tool for your application. Do not force the tool.
- Maintain tools with care. Keep cutting tools sharp and clean.

- Store idle tools out of reach of children and other untrained persons.
 - Do not use the drill if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
-

3. SETUP

3.1 Battery Charging

The 20V Lithium-ion battery comes partially charged. It is recommended to fully charge the battery before first use to ensure optimal performance and battery life.

1. Remove the battery from the drill by pressing the release tabs on the sides of the battery and sliding it out.
2. Connect the charger cable to the charging port on the battery pack.
3. Plug the charger into a standard electrical outlet.
4. The indicator light on the charger will turn red while charging and green when the battery is fully charged.
5. Once fully charged, unplug the charger from the outlet and then disconnect the battery.

3.2 Attaching/Detaching Battery

1. To attach: Align the battery with the base of the drill and slide it firmly until it clicks into place.
2. To detach: Press the battery release tabs on both sides of the battery and slide the battery out from the drill.

3.3 Installing/Changing Drill Bits

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

1. Rotate the chuck counter-clockwise until the jaws are wide enough to insert the desired drill bit or screwdriver bit.
2. Insert the bit into the chuck as far as it will go.
3. Rotate the chuck clockwise to tighten the jaws securely around the bit. Ensure the bit is centered and firmly gripped.
4. To remove, rotate the chuck counter-clockwise until the bit can be pulled out.



Figure 3: Step-by-step guide for installing a drill bit.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off and Variable Speed

The drill is activated by pressing the trigger switch. The speed of the drill is variable, meaning the harder you press the trigger, the faster the drill will rotate.

- To start: Press the trigger switch.
- To increase speed: Increase pressure on the trigger switch.
- To stop: Release the trigger switch.

4.2 Forward/Reverse Switch

The forward/reverse switch is located above the trigger. It controls the direction of rotation of the chuck.

- For drilling or driving screws: Push the switch to the left (forward position).
- For removing screws or backing out a drill bit: Push the switch to the right (reverse position).
- To lock the trigger: Place the switch in the center position. This prevents accidental starting.



Figure 4: Key operational features of the drill.

4.3 Torque Settings (21+1 Position Clutch)

The 21+1 position clutch allows you to adjust the torque (rotational force) of the drill. This is crucial for preventing damage to screws or the workpiece, especially when working with softer materials or driving screws to a specific depth.

- Settings 1-21: For driving screws. Lower numbers provide less torque, suitable for smaller screws or softer materials. Higher numbers provide more torque for larger screws or harder materials.
- Drill Symbol Setting: For drilling applications. This setting provides maximum torque without the clutch engaging, ensuring continuous power for drilling holes.



Figure 5: Understanding the 21+1 torque settings.

4.4 LED Work Light

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

4.5 Drilling Applications

The FADAKWALT Cordless Drill is versatile and suitable for various drilling and driving tasks:

- **Drilling Wood:** Use appropriate wood drill bits. Start with a lower speed and increase as needed.
- **Drilling Metal:** Use HSS (High-Speed Steel) twist drill bits. Apply steady pressure and use a cutting fluid if necessary to prevent overheating.
- **Drilling Plastics/Ceramics:** Use appropriate bits and lower speeds to prevent cracking or melting.
- **Driving Screws:** Select the correct screwdriver bit and adjust the torque setting according to the screw size and material.

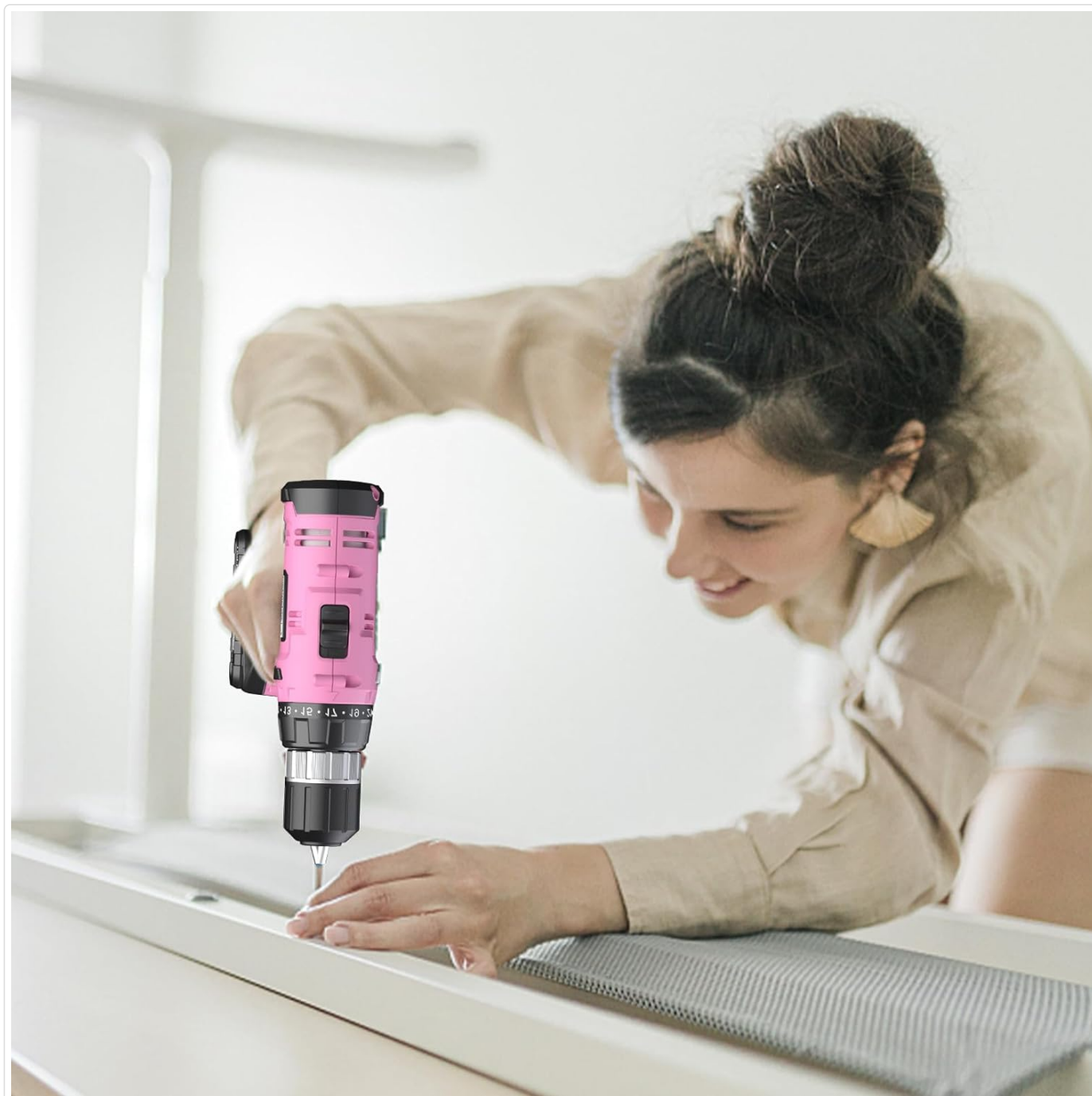


Figure 6: Versatile applications of the FADAKWALT Cordless Drill.

5. MAINTENANCE

5.1 Cleaning

Regular cleaning helps maintain the performance and longevity of your drill.

- Always disconnect the battery before cleaning.
- Use a clean, damp cloth to wipe down the exterior of the drill. Do not use harsh chemicals or abrasive cleaners.
- Clear any dust or debris from the ventilation openings to prevent overheating.
- Clean the chuck jaws regularly to ensure proper gripping of bits.

5.2 Storage

Proper storage protects your drill from damage and extends its lifespan.

- Store the drill and accessories in a dry, cool place, away from direct sunlight and moisture.
- Keep the drill out of reach of children.
- If storing for extended periods, ensure the battery is partially charged (around 50%) to prevent deep discharge.

5.3 Battery Care

To maximize the life of your Lithium-ion battery:

- Avoid fully discharging the battery before recharging.
- Do not store the battery in extreme temperatures (hot or cold).
- Charge the battery in a well-ventilated area.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drill does not start.	Battery is not charged or not properly inserted.	Charge the battery fully. Ensure the battery is securely clicked into place.
Drill bit slips in chuck.	Chuck not tightened sufficiently or bit shank is dirty/damaged.	Retighten the chuck firmly. Clean or replace the drill bit.
Drill stops during operation.	Overload protection activated or battery is low.	Reduce pressure on the drill. Allow the motor to cool. Recharge the battery.
Battery not charging.	Charger not plugged in, faulty outlet, or battery/charger issue.	Check power connection. Try a different outlet. Contact customer support if issue persists.

7. PRODUCT SPECIFICATIONS

Feature	Specification
Brand	FADAKWALT
Model Number	DC-7420A
Power Source	Battery Powered
Voltage	20 Volts
Amperage	2 Amps
Maximum Rotational Speed	650 RPM
Maximum Torque	30 N.m (Newton Meters) / 270 in-lbs (Inch Pounds)
Chuck Size	3/8-Inch (10 Millimeters) Keyless
Clutch Settings	21+1 Position
Special Features	Variable Speed, LED Light, Forward/Reverse Switch

Feature	Specification
Item Weight	4.05 pounds
Product Dimensions	7.5"L x 8.5"W x 3"H
Material	Metal
Batteries Required	1 Lithium Ion (included)

8. WARRANTY AND SUPPORT

FADAKWALT stands behind the quality of its products. For specific warranty information, please refer to the warranty card included in your product packaging or visit the official FADAKWALT website.

If you encounter any issues or have questions regarding your FADAKWALT 20V Cordless Drill Set, please contact our customer support team for assistance. Contact details can typically be found on the product packaging or the brand's official online store.

Visit the [FADAKWALT Store](#) for more products and information.

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

Answered questions about this manual

What is the function of the slide switch on top of the FADAKWALT DC-7420A 20V cordless drill?

Based on the manual for the FADAKWALT DC-7420A 20V Cordless Drill, the slide switch located on the top of the tool is typically the Two-Speed Gear Switch (though the text primarily highlights the variable...

[Read full answer](#)