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› Jadeshay 12V Cordless Electric Drill Instruction Manual (Model Jadeshayed320)

Jadeshay Jadeshayed320

Jadeshay 12V Cordless Electric Drill Instruction Manual

Model: Jadeshayed320

1. INTRODUCTION AND OVERVIEW

Thank you for choosing the Jadeshay 12V Cordless Electric Drill. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new power tool. Please read this manual thoroughly before first use and keep it for future reference.



Image 1.1: The Jadeshay 12V Cordless Electric Drill Kit, including the drill, batteries, and various accessories in a carrying case.

2. SAFETY INSTRUCTIONS

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

- **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. Do not expose power tools to rain or wet conditions. Never abuse the cord; keep it away from heat, oil, sharp edges, or moving parts.
- **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 tool for your application. Disconnect the plug from the power source and/or remove the battery pack before making any adjustments, changing accessories, or storing power tools.
- **Battery Pack Safety:** Recharge only with the charger specified by the manufacturer. Do not disassemble, open, or shred battery packs. Do not expose battery packs to heat or fire.

3. PACKAGE CONTENTS

Your Jadeshay 12V Cordless Electric Drill kit includes the following items:

- 1 x Jadeshay 12V Cordless Electric Drill
- 3 x 1200mAh Lithium Batteries
- 1 x Battery Charger (US standard)
- 24 x Accessories (including woodworking drill bits 3/4/5mm, twist drill bits 3/4/5mm, multifunctional bits Vph1/vph2/vph3/v4/v5/v6, multifunctional sockets 4/4.5/5/6/7/8/9/10/12mm)
- 1 x Rotating Sleeve
- 1 x Extension Pole
- 1 x Universal Flexible Shaft

4. PRODUCT FEATURES

The Jadeshay 12V Cordless Electric Drill is designed for versatility and ease of use, offering a range of features for various tasks:

- **Powerful Performance:** Delivers 450W peak power and 30N·m max torque, suitable for drilling wood, steel, and tightening/loosening screws.
- **Cordless Design:** Equipped with 3 rechargeable 1200mAh lithium batteries for extended runtime and full mobility.
- **Adjustable Torque Settings:** Features 25 torque settings to prevent over-tightening and ensure precision for different materials.
- **Two-Speed Control:** Switch between low speed (0-350 RPM) for delicate tasks and high speed (0-1350 RPM) for faster drilling.
- **Integrated LED Light:** A front LED light illuminates dark workspaces, improving visibility.
- **Ergonomic and Durable Design:** Lightweight with a comfortable grip to reduce fatigue. The body is designed to be dustproof and waterproof, suitable for various working conditions.



Image 4.1: Key components of the drill, including the aluminum head, adjustable speed switch, air vent, reverse switch, rubberized handle, battery removal switch, and lithium battery.

Body dustproof and waterproof

Equipped with a sealing ring, it can be used safely even in rainy days



Image 4.2: The drill is equipped with a sealing ring, making it dustproof and usable even in wet conditions.

5. SETUP

Follow these steps to prepare your drill for use:

1. **Charging the Battery:** Before first use, fully charge the battery. Connect the charger to a power outlet and then to the battery. The indicator light on the charger will show the charging status.
2. **Installing the Battery:** 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 button and slide the battery out.
3. **Installing Drill Bits/Accessories:**
 - Rotate the chuck counter-clockwise to open the jaws.
 - Insert the desired drill bit or accessory into the chuck.
 - Rotate the chuck clockwise to tighten the jaws securely around the bit. Ensure the bit is centered and firmly held.
4. **Attaching Flexible Shaft (Optional):** For hard-to-reach areas, attach the universal flexible shaft by inserting its hexagonal end into the drill chuck and tightening it. Then, insert your desired bit into the flexible shaft's end.



Image 5.1: Illustrates how to open and close the drill chuck for bit installation by rotating it clockwise and counter-clockwise.

Video 5.1: This video demonstrates the unboxing of the Jadeshay 12V Cordless Electric Drill kit, including battery installation, bit attachment, flexible shaft usage, and basic drilling operations.

6. OPERATING INSTRUCTIONS

Understand the controls and functions for effective operation:

1. **Power On/Off:** Press the trigger switch to turn the drill on. Release the trigger to turn it off. The integrated LED light will activate when the trigger is pressed.
2. **Adjusting Torque Settings:** The torque adjustment ring is located behind the chuck. Rotate the ring to select one of the 25 torque settings. Lower settings are for driving small screws or working with soft materials, while higher settings are for larger screws or harder materials.
3. **Selecting Speed:** Use the speed selector switch located on top of the drill. Position '1' is for low speed (0-350 RPM) and high torque, ideal for driving screws. Position '2' is for high speed (0-1350 RPM) and lower torque, suitable for drilling.
4. **Forward/Reverse Rotation:** The forward/reverse switch is located above the trigger. Push the switch to the left for forward rotation (for drilling and driving screws) and to the right for reverse rotation (for removing screws or jammed bits). Ensure the switch is in the center position when not in use to prevent accidental starting.

**Fastening tightness
can be adjusted to 25 levels.**



25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

Image 6.1: Diagram illustrating the 25 adjustable torque settings and their suitability for various materials like metal, brick, marble, wood, and for tightening nuts.



Image 6.2: Shows the forward/reverse switch. The left button engages reverse for removing screws, and the right button engages forward for screw drilling.



Image 6.3: A close-up view of the integrated LED light, which illuminates the work area when the drill is in operation.

7. MAINTENANCE

Proper maintenance ensures the longevity and performance of your drill:

- **Cleaning:** Regularly clean the ventilation openings to prevent overheating. Use a soft, damp cloth to wipe down the tool. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store fully discharged batteries for extended periods. Charge them periodically if not in use.
- **Chuck Maintenance:** Keep the chuck jaws clean and free of debris to ensure proper bit gripping.
- **Storage:** Store the drill and accessories in their original case in a dry, secure location out of reach of children.



Image 7.1: The drill features large ventilation vents for fast heat dissipation, ensuring prolonged use without overheating.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Drill does not turn on	Battery not charged or improperly installed. Forward/reverse switch in center (locked) position.	Ensure battery is fully charged and correctly inserted. Move forward/reverse switch to either forward or reverse position.
Loss of power during operation	Battery is low. Overloading the drill.	Recharge the battery. Reduce pressure on the drill or use a higher torque setting.
Bit slips in chuck	Chuck not tightened sufficiently. Bit shank is dirty or damaged.	Tighten the chuck firmly. Clean the bit shank or replace if damaged.
Drill overheats	Blocked ventilation vents. Prolonged heavy use.	Clean all ventilation openings. Allow the drill to cool down before continuing use.

9. SPECIFICATIONS

Detailed technical specifications for the Jadeshay 12V Cordless Electric Drill:

Feature	Specification
Brand	Jadeshay
Model Number	Jadeshayed320
Power Source	Battery Powered
Voltage	12 Volts
Maximum Power	450 Watts
Maximum Torque	30 Newton Meters (265.5 Inch Pounds)
No-Load Speed (Low)	0-350 RPM
No-Load Speed (High)	0-1350 RPM
Number of Speeds	2
Torque Settings	25
Maximum Chuck Size	0.25 Inches
Battery Capacity	1200 Milliamp Hours (per cell, 3 cells total)
Battery Cell Type	Lithium Ion
Drilling Capacity (Wood)	7.5 Inches
Drilling Capacity (Metal)	7.5 Inches
Product Dimensions	7.9"L x 7.5"W x 1.8"H

Feature	Specification
Item Weight	3.39 pounds
Material	Metal
Special Features	Cordless, Rechargeable, LED Light

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official Jadeshay website. Keep your proof of purchase for any 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

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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