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› BLACK+DECKER 14.4V Cordless Drill Driver SX4000 Instruction Manual

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Model: SX4000

1. IMPORTANT SAFETY INSTRUCTIONS

Always observe basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury. Read all instructions carefully before operating this tool.

- **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 safety equipment such as dust masks, non-skid safety shoes, hard hats, or hearing protection when appropriate. Dress properly; avoid loose clothing or jewelry.
- **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.
- **Battery Pack Safety:** Recharge only with the charger specified by the manufacturer. Do not incinerate the battery pack even if it is severely damaged.

2. PRODUCT OVERVIEW

The BLACK+DECKER 14.4V Cordless Drill Driver SX4000 is a versatile tool designed for drilling and driving applications. It features an ergonomic design for comfortable use, an integrated LED work light for improved visibility, and a battery gauge to monitor power levels.



Image 2.1: Front view of the BLACK+DECKER 14.4V Cordless Drill Driver SX4000, highlighting its compact design.

Key Components:

- **Chuck:** Holds drill bits and screwdriver bits.
- **Torque Collar:** Adjusts the torque setting for driving screws.
- **Speed Selector:** Switches between two speed ranges.
- **Forward/Reverse Switch:** Controls the direction of rotation.
- **Trigger Switch:** Activates the tool and controls speed.
- **LED Work Light:** Illuminates the work area.
- **Battery Gauge:** Displays the remaining battery charge.
- **Battery Pack:** Provides power to the tool.

3. SETUP

3.1 Charging the Battery

Ensure the battery pack is fully charged before first use. Refer to your charger's instruction manual for specific charging procedures. Always use the BLACK+DECKER specified charger for this 14.4V battery pack.

3.2 Installing/Removing the Battery Pack

1. To install, align the battery pack with the base of the tool and slide it in until it clicks securely into place.
2. To remove, press the battery release button(s) and slide the battery pack out.



Image 3.1: A hand inserting the 14.4V battery pack into the base of the drill driver, demonstrating proper battery installation.

3.3 Installing/Removing Drill Bits or Screwdriver Bits

1. Rotate the chuck counter-clockwise to open the jaws.
2. Insert the desired drill bit or screwdriver bit into the chuck. Ensure the bit is fully seated.
3. Rotate the chuck clockwise to tighten the jaws firmly around the bit. For best results, use the spindle lock feature to hold the chuck steady while tightening.
4. To remove, rotate the chuck counter-clockwise and pull the bit out.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off and Speed Control

The tool is activated by pressing the trigger switch. The speed of the tool is variable and controlled by the amount of pressure applied to the trigger switch. Releasing the trigger switch turns the tool off.

4.2 Forward/Reverse Operation

The forward/reverse switch located above the trigger controls the direction of rotation. Push the switch to the left for forward rotation (drilling/driving) 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.

4.3 Speed Selection

The SX4000 features a 2-stage speed selection switch. Use lower speeds for high-torque applications like driving large screws or drilling into dense materials. Use higher speeds for faster drilling in softer materials.

4.4 Torque Collar Adjustment

The torque collar allows you to set the amount of torque applied before the clutch disengages. This prevents over-driving screws and damaging the workpiece. Rotate the collar to select the desired torque setting. Higher numbers indicate

higher torque.

4.5 Using the LED Work Light

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

4.6 Monitoring Battery Charge

The battery gauge provides a quick visual indication of the remaining battery charge. Recharge the battery when the gauge indicates a low charge level to ensure continuous operation.



Image 4.1: A person using the BLACK+DECKER drill driver to drill a hole into a wooden board, demonstrating a typical drilling application.



Image 4.2: A person using the BLACK+DECKER drill driver to drive a screw into a wooden frame, illustrating a common driving task.

5. MAINTENANCE

5.1 Cleaning

Regularly clean the ventilation slots of the tool to prevent overheating. Use a soft brush or dry cloth. Do not use water or chemical cleaners. Keep the chuck jaws free of debris.

5.2 Storage

Store the tool and battery pack in a cool, dry place, away from direct sunlight and moisture. Ensure the battery is partially charged before long-term storage. Keep out of reach of children.

5.3 Battery Care

To maximize battery life, avoid completely discharging the battery. Recharge the battery when its power noticeably decreases. Do not store the battery in a discharged state for extended periods.

6. TROUBLESHOOTING

- **Tool does not start:** Check if the battery pack is fully charged and properly inserted. Ensure the forward/reverse switch is not in the center (locked) position.
- **Reduced power or speed:** The battery pack may be low on charge. Recharge the battery.
- **Bit slips in chuck:** Ensure the chuck is tightened securely around the bit. The bit shank might be dirty or damaged.
- **Overheating:** Clean the ventilation slots. Avoid continuous heavy-duty use without breaks.

If problems persist, contact BLACK+DECKER customer service or an authorized service center.

7. SPECIFICATIONS

Feature	Specification
Brand	BLACK+DECKER
Model Number	SX4000
Power Source	Rechargeable Battery
Voltage	14.4 Volts
Maximum Rotational Speed	2700 RPM
Maximum Chuck Size	10 mm
Item Weight	1.6 kg
Color	Orange, Black
Special Features	Built-in LED Work Light
Included Components	Drill Attachment

8. WARRANTY INFORMATION

This BLACK+DECKER product is covered by a limited warranty. For detailed information regarding warranty terms, conditions, and duration, please refer to the warranty card included with your purchase or visit the official BLACK+DECKER website. Keep your proof of purchase for warranty claims.

9. SUPPORT

For technical assistance, spare parts, or service, please contact BLACK+DECKER customer support. Contact information can typically be found on the official BLACK+DECKER website or in the documentation provided with your tool.

Online Resources: Visit the official [BLACK+DECKER website](#) for product registration, FAQs, and additional support materials.

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