

BLACK+DECKER SX3050

BLACK+DECKER 12V SX3050 Cordless Impact Driver User Manual

1. INTRODUCTION

This manual provides essential instructions for the safe operation, maintenance, and troubleshooting of your BLACK+DECKER 12V SX3050 Cordless Impact Driver. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.

2. SAFETY INFORMATION

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep this manual for future reference.

- **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.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating the tool 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 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.

3. PRODUCT COMPONENTS

Familiarize yourself with the main parts of your BLACK+DECKER 12V SX3050 Cordless Impact Driver.



Figure 1: The BLACK+DECKER 12V SX3050 Cordless Impact Driver. This image displays the main body of the tool, including the chuck, variable speed trigger, forward/reverse switch, and battery housing.



Figure 2: Product packaging for the BLACK+DECKER 12V SX3050. The box indicates that the product includes two batteries and supports rapid charging.

4. SETUP

4.1 Charging the Battery

1. Ensure the battery pack is fully charged before first use.
2. Connect the charger to a standard power outlet.
3. Slide the battery pack into the charger until it clicks into place.
4. Allow the battery to charge until the indicator light on the charger signals a full charge. Refer to your charger's specific instructions for charging times and indicator meanings.
5. Once charged, disconnect the charger from the power outlet and remove the battery pack.

4.2 Installing the Battery Pack

1. Align the charged battery pack with the battery port at the base of the tool handle.
2. Slide the battery pack firmly into the tool until it locks securely into place. Ensure it is fully seated to prevent it from falling out during operation.
3. To remove the battery, press the release button(s) on the side of the battery pack and slide it out.

4.3 Installing Driver Bits

1. Ensure the tool is switched off and the forward/reverse selector is in the center (locked) position.
2. Pull the chuck collar forward to open the bit holder.
3. Insert the desired 1/4-inch hex shank driver bit fully into the chuck.
4. Release the chuck collar. The bit should be held firmly in place. Gently pull on the bit to confirm it is secure.
5. To remove a bit, pull the chuck collar forward and pull the bit out.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

The tool is activated by pressing the variable speed trigger. Release the trigger to turn the tool off.

5.2 Variable Speed Control

The SX3050 features a variable speed trigger. The speed of the tool is controlled by the amount of trigger depression. Pressing the trigger lightly results in lower speed, while pressing it fully results in maximum speed (up to 700 RPM). This allows for precise control depending on the application.

5.3 Forward/Reverse Operation

A forward/reverse selector switch is located above the trigger. Push the switch to the left for forward rotation (tightening screws) and to the right for reverse rotation (loosening screws). For safety, always set the switch to the center (locked) position when not in use or when changing bits.

5.4 Impact Function

The impact mechanism engages automatically when resistance is met, providing additional torque for driving fasteners. This feature is particularly useful for driving long screws or working with tough materials.

6. MAINTENANCE

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

- **Cleaning:** Keep the ventilation slots of the tool clean to prevent overheating. Use a soft, damp cloth to clean the exterior. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** Store battery packs in a cool, dry place away from direct sunlight and extreme temperatures. Do not store fully discharged batteries for extended periods.
- **Storage:** When not in use, store the tool and its accessories in a secure, dry place out of reach of children.
- **Lubrication:** This tool is factory-lubricated and requires no additional lubrication.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly installed.	Ensure battery is fully charged and correctly inserted.
Reduced power or speed	Battery charge is low.	Recharge the battery pack.
Bit slips or falls out	Bit not fully inserted or chuck collar not released properly.	Re-insert bit, ensuring chuck collar locks it securely. Use only 1/4-inch hex shank bits.
Tool overheats	Ventilation slots blocked or continuous heavy use.	Clean ventilation slots. Allow tool to cool down during prolonged use.

If the problem persists after attempting these solutions, please contact BLACK+DECKER customer support or an authorized service center.

8. SPECIFICATIONS

Key technical specifications for the BLACK+DECKER 12V SX3050 Cordless Impact Driver:

Feature	Specification
Brand	BLACK+DECKER
Model	SX3050
Power Source	Battery-driven
Voltage	12 Volts
Speed	Up to 700 RPM (Revolutions Per Minute)
Feature	Variable Speed Trigger

9. WARRANTY INFORMATION

BLACK+DECKER products are manufactured to high-quality standards. For specific warranty details, please refer to the warranty card included with your purchase or visit the official BLACK+DECKER website. Keep your proof of purchase for any warranty claims.

10. SUPPORT

For further assistance, technical support, or to locate an authorized service center, please visit the official BLACK+DECKER website or contact their customer service department. Contact information can typically be found on the product packaging or the manufacturer's website.

Website: www.blackanddecker.com