

BOSCH GSB 180-LI

Bosch Cordless Combi Drill Professional GSB 180-LI Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Bosch Cordless Combi Drill Professional GSB 180-LI. Please read these instructions carefully before using the tool and keep them for future reference.

The Bosch GSB 180-LI is a versatile cordless combi drill designed for drilling, impact drilling, and screwdriving applications. It features an 18 Volt power source, a 13 mm keyless chuck, and a maximum speed of 1700 RPM, offering adjustable speed and reverse functionality.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent electric shock, fire, and serious injury:

- **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:** Power tool plugs must match the outlet. Never modify the plug in any way. Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges, and refrigerators.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating the drill for extended periods. Wear a dust mask if drilling generates dust. 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 use battery packs with any other power tools. Do not open, crush, or heat the battery pack.

3. PACKAGE CONTENTS

Upon opening the package, verify that all components are present and undamaged. The standard package for the Bosch GSB 180-LI typically includes:

- Bosch Cordless Combi Drill Professional GSB 180-LI unit

- Battery pack(s) (Lithium-Ion, 18V)
- Battery charger
- Instruction Manual

Note: Specific contents may vary based on the purchased kit.

4. SETUP

4.1 Battery Installation and Charging

1. **Charge the Battery:** Connect the charger to a power outlet. Insert the battery pack into the charger. The charging indicator light will show the charging status. Ensure the battery is fully charged before first use.
2. **Install the Battery:** Slide the charged battery pack into the base of the drill handle until it clicks securely into place.

4.2 Attaching Drill Bits or Screwdriver Bits

1. **Open the Chuck:** Rotate the front part of the keyless chuck counter-clockwise until the jaws are wide enough to accept the bit.
2. **Insert the Bit:** Insert the desired drill bit or screwdriver bit fully into the chuck.
3. **Tighten the Chuck:** Rotate the front part of the chuck clockwise until the bit is firmly secured. Hand-tighten only; do not use tools to tighten the chuck.



Figure 1: The Bosch GSB 180-LI Cordless Combi Drill with battery installed. This image shows the main components including the chuck, speed selector, and trigger.

5. OPERATING INSTRUCTIONS

5.1 Selecting Operating Mode

The GSB 180-LI offers three operating modes: screwdriving, drilling, and impact drilling. Rotate the mode selector ring (located behind the chuck) to choose the appropriate symbol for your task.

- **Screwdriving Mode:** Use for driving and removing screws. The torque setting ring allows adjustment of the clutch to prevent overtightening or damaging screw heads.
- **Drilling Mode:** For drilling into wood, plastic, and metal. The clutch is disengaged in this mode, providing full power.
- **Impact Drilling Mode:** For drilling into masonry and concrete. This mode activates the hammer function for increased penetration.

5.2 Speed Selection

The drill features a two-speed gearbox. Use the speed selector switch (located on top of the drill) to choose between:

- **Speed 1 (Low Speed):** For high torque applications like screwdriving or drilling large diameter holes.
- **Speed 2 (High Speed):** For faster drilling in smaller diameters or materials like wood and metal.

5.3 Starting and Stopping

To start the drill, press the ON/OFF trigger switch. The drill speed is variable depending on how far the trigger is pressed. To stop, release the trigger switch.

5.4 Direction of Rotation

The forward/reverse switch (located above the trigger) controls the direction of rotation. Push it to the left for forward rotation (drilling/driving screws) and to the right for reverse rotation (removing screws/jammed bits).



Figure 2: Angled view of the Bosch GSB 180-Li, highlighting the mode selector ring and speed selector switch for operational adjustments.



Figure 3: A user demonstrating the Bosch GSB 180-LI in action, drilling into a brick wall, showcasing its combi drill functionality.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your tool.

- **Cleaning:** Keep the ventilation openings of the power tool clean to prevent overheating. Use a soft, damp cloth to clean the tool casing. Do not use solvents or abrasive cleaners.
- **Battery Care:** Store battery packs in a cool, dry place away from direct sunlight and heat. Do not store discharged battery packs.
- **Chuck Maintenance:** Periodically clean the chuck jaws to ensure proper gripping of bits.
- **Storage:** Store the tool and accessories in a secure, dry place out of reach of children.

7. TROUBLESHOOTING

If you encounter issues with your Bosch GSB 180-LI, refer to the following table for common problems and solutions:

Problem	Possible Cause	Solution
Tool does not start	Battery discharged or not properly inserted	Charge battery; ensure battery is fully inserted until it clicks.
Reduced power or speed	Low battery charge; incorrect speed setting	Recharge battery; select higher speed setting if appropriate.
Bit slips in chuck	Chuck not tightened sufficiently; dirty chuck jaws	Tighten chuck firmly by hand; clean chuck jaws.
Overheating	Blocked ventilation slots; continuous heavy use	Clean ventilation slots; allow tool to cool down.

If the problem persists after attempting these solutions, contact an authorized Bosch service center.

8. SPECIFICATIONS

Detailed technical specifications for the Bosch Cordless Combi Drill Professional GSB 180-LI:

Feature	Specification
Model Number	GSB 180-LI
Power Source	Battery Powered
Voltage	18 Volts
Amperage	1.3 Amps
Drill Type	Combi Drill
Chuck Type	Keyless
Maximum Chuck Size	13 mm
Maximum Rotational Speed	1700 RPM
Adjustable Speed	Yes
Reverse Function	Yes
Hammer Functionality	Yes
Screw Functionality	Yes
Item Weight	1.7 Kilograms
Material	Metal
Battery Cell Type	Lithium Ion

9. WARRANTY AND SUPPORT

Bosch power tools are manufactured to the highest quality standards. For information regarding warranty coverage, terms, and conditions, please refer to the warranty card included with your product or visit the official Bosch website for your

region.

For technical assistance, spare parts, or service, please contact your local authorized Bosch service center. You can find contact information on the Bosch website or through your product retailer.

Manufacturer: Bosch

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