

Bosch Professional 0601868101

Bosch Professional GSR 10.8-2-LI Cordless Drill Driver User Manual

Model: 0601868101

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Bosch Professional GSR 10.8-2-LI Cordless Drill Driver. Please read these instructions carefully before using the tool and keep them for future reference.

The Bosch Professional GSR 10.8-2-LI is a compact and powerful cordless drill driver designed for various drilling and screwdriving applications in wood, metal, and plastic.

GENERAL SAFETY INFORMATION

WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- Always wear eye protection and hearing protection when operating the drill driver.
- 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.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.
- Secure the workpiece. Use clamps or a vise to hold the workpiece. This is safer than using your hand and it frees both hands to operate the tool.
- Before making any adjustments, changing accessories, or storing power tools, disconnect the battery pack from the power tool.
- Use the correct tool for your application. Do not force small tools or attachments to do the job of a heavy-duty tool.
- Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation.

PRODUCT OVERVIEW

The Bosch Professional GSR 10.8-2-LI is a versatile cordless drill driver. Familiarize yourself with its components before operation.



Image: Bosch Professional GSR 12V-45 Cordless Drill Driver. This image shows the compact design of a similar Bosch drill driver, highlighting the chuck, torque setting ring, speed selector, forward/reverse switch, trigger, and battery interface (battery not shown).

Key Components:

- **Keyless Chuck:** For quick and easy bit changes.
- **Torque Setting Ring:** Adjusts the clutch to prevent overtightening screws or damaging materials.
- **Gear Selector Switch:** Selects between two speed settings (1st gear for high torque, 2nd gear for high speed).
- **Forward/Reverse Switch:** Changes the rotation direction and locks the trigger.
- **Trigger Switch:** Activates the tool and controls speed.

- **LED Work Light:** Illuminates the workpiece.
- **Battery Interface:** For connecting the 10.8V/12V Lithium-Ion battery pack.

SETUP

1. Charging the Battery

Ensure the battery pack is fully charged before first use. Use only Bosch Professional chargers compatible with 10.8V/12V Lithium-Ion batteries.

1. Insert the battery pack into the charger.
2. Plug the charger into a suitable power outlet.
3. The charging indicator on the charger will show the charging status. Refer to your charger's manual for specific indicator meanings.
4. Once fully charged, remove the battery from the charger.

2. Installing/Removing the Battery Pack

- **To Install:** Slide the charged battery pack into the base of the tool until it clicks securely into place.
- **To Remove:** Press the battery release button (usually located on the side of the battery pack) and slide the battery out of the tool.

3. Inserting/Changing Drill Bits or Screwdriver Bits

Always ensure the tool is switched off and the forward/reverse switch is in the center (locked) position before changing accessories.

1. Rotate the keyless chuck counter-clockwise until the jaws are open wide enough for the bit.
2. Insert the drill bit or screwdriver bit fully into the chuck.
3. Rotate the keyless chuck clockwise to tighten the jaws firmly around the bit. Ensure the bit is centered and secure.
4. To remove, rotate the chuck counter-clockwise and pull the bit out.

OPERATING INSTRUCTIONS

1. Selecting Speed and Torque

- **Gear Selector Switch:**
 - **Position 1 (Low Speed):** For screwdriving and drilling large diameters. Provides higher torque.
 - **Position 2 (High Speed):** For drilling small diameters and faster work. Provides lower torque.
- **Torque Setting Ring:**
 - Rotate the ring to select the desired torque setting. Lower numbers are for smaller screws and softer materials; higher numbers are for larger screws and harder materials.
 - The drill symbol (⚙️) bypasses the clutch for maximum torque, suitable for drilling.

2. Forward/Reverse Operation

The forward/reverse switch controls the direction of rotation and acts as a trigger lock.

- **Forward Rotation:** Push the switch to the left (when viewed from the rear of the tool).
- **Reverse Rotation:** Push the switch to the right.

- **Trigger Lock:** Place the switch in the center position to prevent accidental starting.

3. Starting and Stopping

- **To Start:** Ensure the forward/reverse switch is set to the desired direction (not locked). Press the trigger switch. The LED work light will illuminate.
- **To Stop:** Release the trigger switch.
- The tool features variable speed control; pressing the trigger further increases the speed.

4. Drilling and Screwdriving Techniques



Image: A person demonstrating the use of a Bosch Professional drill driver for drilling into a wooden surface. This illustrates proper grip and application during operation.

- **Drilling:**
 - Select the drill symbol on the torque setting ring.
 - Choose the appropriate speed (Gear 2 for most drilling, Gear 1 for very large holes or tough materials).

- Apply steady, even pressure. Do not force the drill.

- **Screwdriving:**

- Select a torque setting appropriate for the screw size and material. Start with a lower setting and increase if the clutch slips too early.
- Use Gear 1 for most screwdriving tasks to ensure maximum control and torque.
- Apply firm, consistent pressure to prevent the bit from camming out of the screw head.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your drill driver.

- **Cleaning:**

- Keep the ventilation openings of the tool clean to prevent overheating.
- Wipe the tool housing with a soft, damp cloth. Do not use solvents or abrasive cleaners.
- Clean the chuck jaws regularly to ensure proper grip on bits.

- **Storage:**

- Store the tool and battery in a cool, dry place, away from direct sunlight and moisture.
- Ensure the battery is partially charged (around 50%) for long-term storage to prolong its life.
- Remove the battery from the tool before storage.

- **Battery Care:**

- Do not expose batteries to extreme temperatures or fire.
- Do not short-circuit battery terminals.
- Dispose of old batteries responsibly according to local regulations.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Tool does not start.	Battery not charged or improperly inserted. Forward/reverse switch in locked position.	Charge battery. Ensure battery is fully inserted. Move forward/reverse switch out of center position.
Reduced power or speed.	Battery charge is low. Tool is overloaded.	Recharge battery. Reduce pressure on the tool or use a lower speed/higher torque setting.
Chuck not holding bit securely.	Chuck jaws are dirty or worn. Bit shank is damaged.	Clean chuck jaws. Replace damaged bits. Ensure chuck is tightened firmly.
Overheating.	Ventilation openings blocked. Continuous heavy use.	Clean ventilation openings. Allow tool to cool down during prolonged use.

If the problem persists after attempting these solutions, please contact Bosch Professional customer service.

SPECIFICATIONS

Below are the technical specifications for the Bosch Professional GSR 10.8-2-LI Cordless Drill Driver (Model: 0601868101).



Image: Technical drawing showing the dimensions of a Bosch GSR 12V-15 drill driver, indicating a length of 169 mm and a height of 178 mm. This provides a visual reference for the tool's compact size, though the specific model number shown is GSR 12V-15.

Feature	Value
Brand	Bosch Professional
Model Number	0601868101
Power Source	Battery Powered (Lithium-Ion)
Voltage	10.8 Volts (12V Max)
Maximum Rotational Speed	1300 RPM
Number of Speeds	2
Maximum Torque	30 Newton Meters

Feature	Value
Special Feature	Reversible, LED Work Light
Product Dimensions (L x W x H)	8.66" x 2.76" x 13.66" (approx. 22 x 7 x 34.7 cm)
Item Weight	1.71 pounds (approx. 775 grams)
Material	Plastic
Color	Blue

SUPPORT AND WARRANTY

For technical assistance, warranty claims, or service inquiries, please contact Bosch Professional customer support. Refer to the official Bosch Professional website or your product packaging for the most up-to-date contact information and warranty details applicable to your region.

Always use genuine Bosch Professional spare parts and accessories for repairs and replacements to ensure safety and maintain product performance.