**Bosch GSR1080**

# Bosch GSR 1080-2-LI Cordless Drill Driver User Manual

## 1. Introduction

Welcome to the user manual for your Bosch GSR 1080-2-LI Cordless Drill Driver. This document provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your tool. Please read these instructions carefully before using the product and keep them for future reference.


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*Figure 1: Bosch GSR 1080-2-LI Cordless Drill Driver*

## 2. Important Safety Instructions

Always observe the following safety precautions to reduce the risk of 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:** Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- **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; do not wear loose clothing or jewelry. Keep hair, clothing, and gloves away from moving parts.
- **Power Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Do not use the power tool if the switch does not turn it on and off. Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs.

## 3. Product Overview

The Bosch GSR 1080-2-LI is a versatile cordless drill driver designed for various drilling and screwdriving tasks. Familiarize yourself with its components for optimal use.




*Figure 2: Detailed view of the drill driver showing key features.*

- **Chuck:** Used for holding drill bits and screwdriver bits securely.
- **Torque Adjustment Ring (Clutch):** Allows selection of 15+1 torque settings for precise screwdriving and a drill mode for maximum power.
- **Speed Selector Switch:** Controls the two-speed gearbox for optimized torque (speed 1) or speed (speed 2).
- **Forward/Reverse Rotation Switch:** Changes the direction of rotation for inserting or removing screws and for drilling.
- **Trigger Switch:** Activates the tool and controls variable speed.
- **LED Light:** Illuminates the work area for improved visibility, especially in dark conditions.
- **Battery Pack:** Provides cordless power to the tool. Features Electronic Cell Protection (ECP) to prevent overload, overheating, and deep discharge.

## 4. Setup and Assembly

## 4.1. Battery Installation and Charging

1. To install the battery, slide the charged battery pack into the base of the tool until it clicks into place.
2. To remove the battery, press the release button on the battery pack and slide it out.
3. Charge the battery using the Bosch-approved charger. Ensure the charger is connected to a suitable power supply. The charging indicator will show the charging status.

## 4.2. Inserting and Removing Bits




*Figure 3: Drill driver with a bit inserted into the chuck.*

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

# 5. Operating Instructions

## 5.1. Power On/Off and Variable Speed

Press the trigger switch to turn the tool on. The tool's speed is variable and can be controlled by the amount of pressure applied to the trigger. Release the trigger to turn the tool off.

## 5.2. Speed Selection

The GSR 1080-2-LI features a 2-speed gearbox:

- **Speed 1 (Low Speed):** Select this for screwdriving applications or when drilling large diameters, requiring higher torque.
- **Speed 2 (High Speed):** Select this for drilling smaller diameters or when higher speed is required.

To change speeds, use the speed selector switch located on top of the tool. Ensure the tool is stopped before changing

speeds.

## 5.3. Torque Adjustment (Clutch)

The torque adjustment ring allows you to set the desired torque for screwdriving. There are 15 torque settings plus a drill setting.

- Rotate the ring to select a lower number for smaller screws or softer materials, and a higher number for larger screws or harder materials.
- For drilling, set the ring to the drill symbol for maximum torque.

## 5.4. Forward/Reverse Rotation

The forward/reverse switch, located above the trigger, controls the direction of rotation.

- Push the switch to the left for forward rotation (for drilling and tightening screws).
- Push the switch to the right for reverse rotation (for loosening screws).
- Center the switch to lock the trigger and prevent accidental starting.

# GSR 1080-2-LI Professional

Give your performance a boost. Worth the upgrade.

## WHY THIS

01 **Affordable price**
Value for money

02 **Bosch's uncompromising quality**
Long tool lifetime thanks to durable components
Long battery lifetime thanks to ECP (Electronic Cell Protection)

03 **Powerful performance**
2-speed, covers various applications

**Optimized torque for screw driving and speed for drilling**
With 2-speed gear




FLEXIBLE POWER SYSTEM

powered by Li-Ion technology

**Bosch flexible power system**
- The tool can be attached with all Bosch 10.8V inserting batteries
- The battery can also be used for a wide range of Bosch 10.8V cordless power tools

**Long battery lifetime**

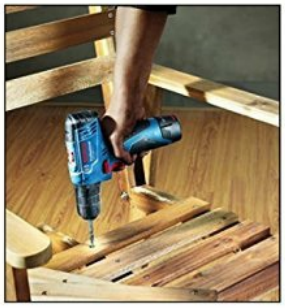
Thanks to ECP (Electronic Cell Protection), which prevents battery cells from overloading, overheating and deep discharge

## TARGET USERS

- Installers
- Joiners





## ACCESSORIES



| Part No. 2 608 521 039 | Part No. 2 608 521 040 | Part No. 2 608 521 042 | Part No. 2 608 521 043 |
|---|---|---|---|
| **Standard for Universal Grey, double ended PH2 screw driver bits, 6.35x65mm, 10pcs** For all universal use, permanent magnetic | **Standard for Universal Grey, double ended PH2 screw driver bits, 6.35x110mm, 10pcs** For all universal use, permanent magnetic | **Standard for Universal Gold, double ended PH2 screw driver bits, 6.35x65mm, 10pcs** Extra hard for universal use, permanent magnetic | **Standard for Universal Gold, double ended PH2 screw driver bits, 6.35x110mm, 10pcs** Extra hard for universal use, permanent magnetic |

## KEY SPARE PARTS





| Part no. XXXXXXX | Part no. XXXXXXX | Part no. XXXXXXX |
|---|---|---|
| DC Motor | Gear Box | Switch |

| Model | Unit | GSR 1080-2-LI Professional |
|---|---|---|
| Cell technology | - | Li-Ion |
| Voltage | V | 10.8 |
| Capacity | Ah | 1.5 |
| Chuck capacity | mm | 0.8-10 |
| Clutch setting | - | 15 + 1 drill |
| No load speed | | |
| 1st gear | rpm | 0-430 |
| 2nd gear | rpm | 0-1,600 |
| Max. torque | | |
| Hard joint | Nm | 28 |

| Model | Unit | GSR 1080-2-LI Professional |
|---|---|---|
| Soft joint | Nm | 11 |
| Max. screwing diameter into wood | mm | 7 |
| Max. drilling diameter into wood | mm | 19 |
| Max. drilling diameter into steel | mm | 6 |
| LED light | Y/N | Y |
| Dimensions | | |
| Length | mm | 186 |
| Height | mm | 196 |
| Weight (incl. battery) | kg | 1.0 |



*Figure 4: Drilling into a wooden surface.*


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*Figure 5: Driving a screw into a metal frame.*

## 6. Maintenance

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

- **Cleaning:** Keep the ventilation openings of the tool clean to prevent overheating. Use a soft, damp cloth to clean the tool casing. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** Store battery packs away from metal objects that could short the terminals. Do not store the battery in temperatures above 50°C (122°F) or below -20°C (-4°F). For long-term storage, charge the battery to approximately 50% and store in a cool, dry place.
- **Accessory Inspection:** Regularly inspect drill bits and screwdriver bits for wear or damage. Replace worn accessories to ensure efficient and safe operation.

## 7. Troubleshooting

This section addresses common issues you might encounter with your Bosch GSR 1080-2-LI.

| Problem | Possible Cause | Solution |
|---|---|---|
| Tool does not start | Battery not charged or improperly inserted; trigger lock engaged. | Ensure battery is fully charged and correctly inserted. Disengage the forward/reverse switch from the center (locked) position. |
| Reduced power or speed | Low battery charge; incorrect speed/torque setting for the task. | Recharge the battery. Adjust the speed selector and torque ring to suit the application. |
| Battery not charging | Charger malfunction; battery too hot/cold; poor connection. | Check charger connection and power supply. Allow battery to reach room temperature. If issues persist, contact customer support. |
| Sparking from motor vents | Normal operation (carbon brushes); excessive sparking may indicate wear. | Minor sparking is normal. If sparking is excessive, accompanied by smoke, or unusual noise, discontinue use and contact an authorized service center. |

## 8. Technical Specifications

| Feature | Specification |
|---|---|
| Brand | Bosch |
| Model Number | GSR1080 |
| Power Source | Cordless (Battery) |
| Voltage | 10.8 Volts |

| Feature | Specification |
|---|---|
| Amperage | 2 Amps |
| Number of Speeds | 2 |
| Clutch Settings | 15 + 1 (Drill) |
| Material | Metal, Plastic |
| Item Weight | 1.95 kg |
| Battery Type | Lithium-Ion |
| Lithium Battery Energy Content | 10.8 Watt Hours |
| Number of Lithium Ion Cells | 6 |

# 9. Warranty and Support

## 9.1. Warranty Information

This Bosch GSR 1080-2-LI Cordless Drill Driver comes with a**6-month warranty** from the date of invoice. To claim warranty service, please retain your original purchase invoice as proof of purchase.

## 9.2. Customer Support

For technical assistance, service, or spare parts, please contact your authorized Bosch service center or visit the official Bosch website for your region. When contacting support, please have your model number (GSR1080) and purchase details ready.


### 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**

Anonymous

**Email**

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

**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**