

Bosch PSB 18 LI-2 Ergonomic (Model: 06039B0301)

Bosch PSB 18 LI-2 Ergonomic Cordless Combi Drill

User Manual and Operating Instructions

Model: 06039B0301

1. INTRODUCTION

Thank you for choosing the Bosch PSB 18 LI-2 Ergonomic Cordless Combi Drill. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new tool. Please read all instructions carefully before use and retain this manual for future reference. The Bosch PSB 18 LI-2 Ergonomic is a versatile cordless combi drill designed for drilling, hammer drilling, and screwdriving applications in various materials. Its ergonomic design ensures maximum comfort during extended use, while advanced features like the anti-recoil sensor and Syneon chip enhance performance and safety.



Image: The Bosch PSB 18 LI-2 Ergonomic cordless combi drill kit, including the drill, two 18V 2.5Ah Lithium-Ion batteries, a charger, and a green carrying case.

2. SAFETY INSTRUCTIONS

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

General Power Tool Safety Warnings

- **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 (e.g., pipes, radiators, ranges, 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 your hair, clothing, and gloves away from moving parts.
- **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 remove 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. When battery pack is not in use, keep it

away from other metal objects.

- **Service:** Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all components are present and undamaged:

- 1 x Bosch PSB 18 LI-2 Ergonomic Cordless Combi Drill
- 1 x Charger
- 2 x 18V Lithium-Ion Batteries (2.5 Ah)
- 1 x Carrying Case
- 1 x Double Screw Bit
- 1 x User Manual (this document)



Image: The complete kit as supplied, showing the drill, batteries, charger, and case.

4. SETUP

4.1. Charging the Battery

The Lithium-Ion batteries are supplied partially charged. For optimal performance, fully charge the

battery before first use.

1. Connect the charger to a suitable power outlet.
2. Slide the battery pack into the charger until it clicks into place.
3. The charging indicator light on the charger will illuminate. Refer to the charger's specific instructions for light indications (e.g., solid light for charging, blinking for fully charged).
4. Once fully charged, remove the battery from the charger.

4.2. Installing/Removing the Battery Pack



Image: The Bosch PSB 18 LI-2 Ergonomic drill with a battery pack inserted into its base.

- **To Install:** Align the battery pack with the receptacle in the base of the drill and slide it in until it clicks securely into place. Ensure it is fully seated.
- **To Remove:** Press the battery release button (usually located on the side or front of the battery pack) and slide the battery pack out of the tool.

4.3. Installing Drill Bits/Screwdriver Bits

The drill features a 13mm auto chuck for quick and easy bit changes.

1. Ensure the drill is switched off and the battery is removed for safety.
2. Rotate the chuck counter-clockwise to open the jaws.
3. Insert the drill bit or screwdriver bit fully into the chuck jaws.
4. Rotate the chuck clockwise to tighten the jaws firmly around the bit. Hand-tighten only; do not use a wrench.
5. To remove a bit, rotate the chuck counter-clockwise to loosen the jaws and pull the bit out.

5. OPERATING INSTRUCTIONS

5.1. Powering On/Off and Speed Control

- **On/Off Switch:** Press the trigger switch to turn the tool on. Release the trigger switch to turn it off.
- **Variable Speed:** The trigger switch is pressure-sensitive. Pressing it further increases the speed. This allows for precise control depending on the material and application.
- **Direction of Rotation:** Use the forward/reverse selector switch (typically located above the trigger) to select clockwise (for drilling/screwing in) or counter-clockwise (for unscrewing) rotation. Ensure the switch is in the desired position before starting.

5.2. Mode Selection

The PSB 18 LI-2 Ergonomic offers multiple operating modes:

- **Screwdriving Mode:** Use for driving screws. Adjust the torque setting ring (usually numbered) to prevent overtightening or damaging screw heads.
- **Drilling Mode:** For drilling in wood, metal, and plastics. Set the mode selector to the drill symbol.
- **Hammer Drilling Mode:** For drilling in masonry, brick, and concrete. Set the mode selector to the hammer drill symbol. This mode engages an impact mechanism for faster drilling in hard materials.

5.3. Application Examples



Image: A person using the Bosch PSB 18 LI-2 Ergonomic drill to create a hole in a brick wall, demonstrating its hammer drilling capability.



Image: A person using the drill to drive a screw into a wooden plank, showcasing its screwdriving function.



Image: A person using the drill for an overhead application, highlighting the ergonomic design for comfortable use in various positions.



Image: A person using the drill during a kitchen sink installation, demonstrating its utility for various home improvement tasks.

5.4. Key Features

- **Ergonomic Design:** The unique ergonomic design provides maximum comfort during applications, reducing fatigue.
- **Anti-recoil Sensor:** This safety feature causes the tool to stop immediately in case of blockage, preventing kickback and potential injury.
- **Syneon Chip:** Ensures optimum performance and maximum battery life by intelligently managing power output.



Image: The Bosch Syneon Chip logo, representing intelligent power management for optimal performance and battery life.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Bosch PSB 18 LI-2 Ergonomic drill.

- **Cleaning:** Keep the ventilation openings of the tool clean to prevent overheating. Use a soft, damp cloth to wipe down the exterior. Do not use harsh chemicals or abrasive cleaners.
- **Chuck Maintenance:** Periodically clean the chuck jaws to ensure proper gripping of bits.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store fully discharged batteries for extended periods. Recharge them periodically if not in use.
- **Storage:** When not in use, store the drill, batteries, and charger in the provided carrying case in a dry, secure location out of reach of children.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your drill.

Problem	Possible Cause	Solution
Drill does not start.	Battery not charged or not properly inserted.	Ensure battery is fully charged and securely inserted.
Loss of power during operation.	Battery low or tool overloaded.	Recharge battery. Reduce pressure on the tool or use a larger bit for the application.
Bit slips in chuck.	Chuck not tightened sufficiently or bit shank is dirty/damaged.	Retighten chuck firmly. Clean or replace the bit.
Excessive vibration or noise.	Damaged bit or internal component issue.	Replace the bit. If problem persists, discontinue use and contact Bosch service.
Anti-recoil sensor frequently activates.	Tool is binding or encountering too much resistance.	Ensure proper technique and appropriate bit for the material. Do not force the tool.

8. TECHNICAL SPECIFICATIONS

Specification	Value
Brand	Bosch
Model Number	06039B0301
Power Source	Battery Powered
Voltage	18 Volts
Amperage	1 Amps
Maximum Chuck Size	13 Millimeters
Speed	1400 RPM
Item Weight	1.3 Kilograms (2.86 pounds)
Product Dimensions	9.29 x 3.19 x 8.58 inches
Battery Type	Lithium-Ion
Included Components	1 Product; 1 Charger; 2 Batteries; 1 Box; 1 Double Screw Bit
Drill Type	Combination Drill
Material	Metal

9. WARRANTY AND SUPPORT

Bosch products are manufactured to the highest quality standards. For information regarding warranty coverage, service, or technical support, please refer to the warranty card included with your product or visit the official Bosch Home and Garden website. Keep your proof of purchase for any warranty claims.

For further assistance, you may contact Bosch customer service through their official channels.