

[Manuals.plus](#) /

› [Parkside](#) /

› PARKSIDE PERFORMANCE PSBSAP 20-LI B2 Cordless Impact Drill User Manual

## Parkside PSBSAP 20-Li B2

# PARKSIDE PERFORMANCE PSBSAP 20-LI B2 Cordless Impact Drill User Manual

Model: PSBSAP 20-Li B2

## 1. INTRODUCTION

---

Thank you for choosing the PARKSIDE PERFORMANCE PSBSAP 20-LI B2 Cordless Impact Drill. This powerful and versatile tool is designed for drilling, impact drilling, and screwdriving tasks in various materials. Featuring a brushless motor for extended lifespan and a robust RÖHM metal chuck with radial lock, this drill offers reliability and performance for both DIY enthusiasts and semi-professional users. It includes a two-speed motor, activatable impact mechanism, variable speed trigger with emergency stop, and integrated LED lighting. Please read this manual carefully before first use to ensure safe operation and optimal performance. This device is compatible with all PARKSIDE X 20 V Team series batteries (battery and charger not included).



Image 1: The PARKSIDE PERFORMANCE PSBSAP 20-LI B2 Cordless Impact Drill with battery attached.

## 2. GENERAL SAFETY INSTRUCTIONS

---

Always observe the following safety precautions when operating power tools 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:** 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 for extended periods. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **Power 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 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

---

Familiarize yourself with the components of your PARKSIDE PERFORMANCE PSBSAP 20-LI B2 drill.

1. **RÖHM Metal Chuck:** Keyless chuck with radial lock for quick and secure bit changes.
2. **Torque/Mode Selector Ring:** Adjusts torque settings for screwdriving or selects drilling/impact drilling modes.

3. **Speed Selector Switch:** Two-speed gearbox for different applications.
4. **Forward/Reverse Switch:** Changes rotation direction.
5. **On/Off Trigger with Variable Speed:** Controls tool operation and speed, includes emergency stop function.
6. **LED Work Light:** Illuminates the work area.
7. **Auxiliary Handle:** Provides additional grip and control.
8. **Depth Stop:** For precise drilling depth control.
9. **Battery Pack (not included):** Compatible with PARKSIDE X 20 V Team series.



Image 2: Side view of the drill, highlighting the auxiliary handle and depth stop.



*Image 3: The separate auxiliary handle and depth stop accessories.*

## 4. SETUP AND ASSEMBLY

---

### 4.1. Battery Installation

Ensure the battery is fully charged before use. This tool is compatible with PARKSIDE X 20 V Team series batteries (2 Ah or 4 Ah recommended).

- 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 and slide the battery pack out.

## **4.2. Attaching the Auxiliary Handle and Depth Stop**

The auxiliary handle provides better control, especially during high-torque applications or impact drilling.

1. Loosen the auxiliary handle clamp by turning the handle counter-clockwise.
2. Slide the clamp over the front of the drill housing.
3. Position the handle to your desired angle and tighten by turning clockwise.
4. Insert the depth stop into the hole on the auxiliary handle clamp, adjusting it to the required drilling depth.

## **4.3. Installing Drill Bits/Screwdriver Bits**

The RÖHM metal chuck allows for quick and secure bit changes.

1. Rotate the front sleeve of the 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 jaws.
3. Rotate the front sleeve clockwise to tighten the chuck, ensuring the bit is securely clamped. The radial lock mechanism provides extra security.



Image 4: Detail of the RÖHM metal chuck for bit installation.

## 5. OPERATING INSTRUCTIONS

---

### 5.1. Selecting Operating Mode and Torque

Rotate the torque/mode selector ring to choose between:

- **Screwdriving Mode:** Select a torque setting (1-X) appropriate for the screw size and material. Start with a lower

setting and increase if necessary.

- **Drilling Mode:** For drilling into wood, metal, or plastic.
- **Impact Drilling Mode:** For drilling into masonry or concrete.

## 5.2. Selecting Speed

Use the speed selector switch on top of the drill to choose between two gears:

- **Gear 1 (Low Speed):** For high torque applications like screwdriving or drilling large diameter holes.
- **Gear 2 (High Speed):** For faster drilling with smaller diameter bits.

## 5.3. Starting and Stopping the Tool

- To start: Press the On/Off trigger. The speed is variable depending on how far the trigger is pressed.
- To stop: Release the On/Off trigger. The emergency stop function ensures immediate cessation of rotation.

## 5.4. Forward/Reverse Rotation

Use the forward/reverse switch located above the trigger to select the direction of rotation. Ensure the switch is in the central position for locking the trigger during storage or bit changes.



*Image 5: Proper handling of the drill during operation.*

## 6. MAINTENANCE AND CARE

---

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

- **Cleaning:** Keep the ventilation openings clean to prevent overheating. Wipe the tool housing with a soft, damp cloth. Do not use harsh cleaning agents or solvents.
- **Chuck Maintenance:** Periodically clean the chuck jaws to ensure smooth operation and secure bit clamping.
- **Storage:** Store the tool and battery in a dry, cool place, away from direct sunlight and moisture. Always remove the battery pack before storing. The included storage case (Image 6) is ideal for protection.
- **Brushless Motor:** The brushless motor requires no carbon brush replacement, reducing maintenance needs.



Image 6: The robust storage and transport case for the drill.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start.	Battery not inserted correctly or discharged. Forward/reverse switch in central (locked) position.	Ensure battery is fully charged and properly inserted. Move forward/reverse switch to either forward or reverse position.

Problem	Possible Cause	Solution
Reduced power or speed.	Battery charge low. Tool overloaded. Incorrect speed setting.	Recharge battery. Reduce load on the tool. Select a lower gear (Gear 1) for higher torque.
Chuck not holding bit securely.	Chuck jaws dirty or worn. Bit not inserted fully.	Clean chuck jaws. Ensure bit is inserted completely and chuck is tightened firmly.
Excessive vibration.	Damaged or bent drill bit. Loose auxiliary handle.	Replace damaged bit. Tighten auxiliary handle securely.

## 8. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	Parkside
Model Number	PSBSAP 20-Li B2
Power Source	Battery (PARKSIDE X 20 V Team)
Voltage	20 Volts
Max. Rotational Speed	2000 rpm
Max. Torque	80 Nm
Special Feature	Brushless Motor
Chuck Type	RÖHM Metal Chuck (Three-jaw)
Material	Carbon Steel
Color	Black/Grey
Product Dimensions (L x W x H)	20 x 15 x 25 cm
Weight	2.98 kg
Included Components	Storage and transport case, 1 metal depth stop
Recommended Battery Capacity	2 Ah / 4 Ah

## 9. WARRANTY AND SUPPORT

This PARKSIDE product is manufactured with care and undergoes strict quality control. In the unlikely event of a defect, please contact your retailer or the authorized service center for assistance. Please retain your proof of purchase for warranty claims. Specific warranty terms and conditions may vary by region and retailer.

For further support, spare parts, or technical inquiries, please refer to the contact information provided with your purchase documentation or visit the official Parkside website.

