

Parkside PABS 20-Li X20V

Parkside PABS 20-Li X20V Cordless Drill Instruction Manual

1. INTRODUCTION

Thank you for choosing the Parkside PABS 20-Li X20V Cordless Drill. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new tool. Please read these instructions carefully before first use and keep them for future reference. This product is designed for drilling and screwdriving tasks in various materials.

2. SAFETY INSTRUCTIONS

Always observe general power tool safety guidelines to prevent electric shock, fire, and serious injury. Familiarize yourself with the tool's controls and proper usage before operation.

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces (e.g., pipes, radiators, ranges, refrigerators).
- **Personal Safety:** Always wear eye protection, hearing protection, and suitable work gloves. Dress appropriately; avoid loose clothing or jewelry that can get caught in moving parts.
- **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 Safety:** This drill is compatible with batteries from the PARKSIDE X 20 V Team series. Use only specified battery packs and chargers.

3. PRODUCT OVERVIEW

The Parkside PABS 20-Li X20V Cordless Drill is a versatile tool featuring a powerful motor and a 2-speed gearbox, designed for efficient drilling and screwdriving. It includes a keyless metal chuck for quick bit changes and an integrated LED work light for improved visibility.



Image shows the Parkside PABS 20-Li X20V Cordless Drill. The drill features a green and black body, a keyless metal chuck, and an ergonomic soft-grip handle. The base where the battery would attach is visible, with a yellow 'X' indicating that the battery is not included.

Key Features:

- Powerful motor with 2-speed gearbox.
- Keyless metal chuck with radial lock.
- On/off switch with continuous speed control and quick stop function.
- Integrated LED work light.
- Magnetic bit holder on both sides.
- Practical belt clip.
- Ergonomic soft-grip handle.
- Compatible with all batteries from the PARKSIDE X 20 V Team series.

4. SETUP

4.1. Battery Installation (Battery and Charger Not Included)

1. Ensure the drill is switched off.
2. Align the battery pack (from the PARKSIDE X 20 V Team series) with the base of the drill.
3. Slide the battery pack into the drill until it clicks securely into place.
4. To remove, press the release button on the battery pack and slide it out.

4.2. Installing/Removing Drill Bits or Screwdriver Bits

1. Rotate the front sleeve of the keyless metal chuck counter-clockwise to open the chuck jaws.
2. Insert the drill bit or screwdriver bit fully into the chuck.
3. Rotate the front sleeve clockwise to tighten the chuck jaws firmly around the bit. Ensure the bit is centered and secure.
4. To remove, rotate the front sleeve counter-clockwise to loosen the jaws and pull the bit out.

5. OPERATING INSTRUCTIONS

5.1. Speed Selection

The drill features a 2-speed gearbox:

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

Use the gear selector switch located on top of the drill to choose the desired speed range. Ensure the drill is stopped before changing gears.

5.2. Torque Pre-selection

The torque pre-selection ring allows you to set the desired torque level. It has 25 torque settings plus a drill mode. This prevents overtightening screws and damaging materials.

- Rotate the ring to select a torque setting. Lower numbers are for smaller screws or softer materials; higher numbers are for larger screws or harder materials.
- For drilling, select the drill symbol (*drill icon*) to engage maximum torque without clutch activation.

5.3. On/Off Switch and Variable Speed Control

The trigger switch controls the drill's operation and speed:

- Press the trigger to start the drill.
- The speed is continuously variable; press the trigger further for higher speeds.
- Release the trigger for a quick stop.

5.4. Direction of Rotation

Use the forward/reverse switch, typically located above the trigger, to select the direction of rotation:

- **Forward:** For drilling and tightening screws.
- **Reverse:** For loosening screws or removing jammed drill bits.
- Position the switch in the middle to lock the trigger and prevent accidental starting.

5.5. LED Work Light

The integrated LED work light illuminates the work area automatically when the trigger is pressed, improving visibility in dimly lit conditions.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your tool.

- **Cleaning:** Keep the ventilation slots clean to prevent overheating. Use a soft, damp cloth to clean the tool casing. Do not use solvents or abrasive cleaners.
- **Chuck Maintenance:** Periodically clean the chuck jaws to ensure proper gripping of bits.
- **Storage:** Store the drill in a dry, secure place, out of reach of children. Remove the battery pack before storage.
- **Lubrication:** This tool is designed for maintenance-free operation. No additional lubrication is required.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Drill does not start.	Battery not inserted correctly or discharged. Trigger lock engaged.	Ensure battery is fully charged and properly inserted. Disengage the trigger lock.
Reduced power or speed.	Battery low. Incorrect gear selection.	Recharge the battery. Select the appropriate gear for the task.
Bit slips in chuck.	Chuck not tightened sufficiently. Chuck jaws dirty.	Tighten chuck firmly. Clean chuck jaws.
Overheating.	Blocked ventilation slots. Prolonged heavy use.	Clean ventilation slots. Allow the tool to cool down.

If the problem persists after attempting these solutions, please contact customer support or a qualified service technician.

8. SPECIFICATIONS

Feature	Specification
Model	PABS 20-Li X20V
Brand	Parkside
Motor Type	DC motor, copper winding
Gearbox	2-speed gearbox
Torque Settings	25 levels + drill mode
Max. Torque	40 Nm

Feature	Specification
No-load Speed (1st Gear)	0–400 min ⁻¹
No-load Speed (2nd Gear)	0–1400 min ⁻¹
Chuck Capacity	Max. Ø 13 mm
Spindle Lock	Automatic - SPINDLE-LOCK
Max. Drilling Diameter (Wood)	30 mm
Max. Drilling Diameter (Steel)	13 mm
Materials (Housing)	Polyamide 6 (PA6 + GF30), Thermoplastic elastomer (TPE), Hard polyethylene (HDPE)
Dimensions (without battery)	Approx. 222 x 90 x 195 mm
Weight (without battery)	Approx. 1275 g
Compatible Battery Series	PARKSIDE X 20 V Team

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. Keep your proof of purchase for any warranty claims. For technical support or spare parts, please contact the Parkside customer service department or an authorized service center.