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› BLACK+DECKER 18V Multi-Tool EVO183P1 Instruction Manual

BLACK+DECKER EVO183P1

BLACK+DECKER 18V Multi-Tool

MODEL: EVO183P1 INSTRUCTION MANUAL

1. PRODUCT OVERVIEW

The BLACK+DECKER 18V Multi-Tool EVO183P1 is a versatile power tool designed for various DIY and professional tasks. It features a quick-change system for different tool heads, including an impact driver, drill driver, circular saw, and sander, allowing for a wide range of applications from drilling and fastening to cutting and sanding. The tool is powered by an 18V Lithium-Ion battery, providing cordless convenience and enhanced portability. An integrated LED light illuminates the work area for improved visibility.



Figure 1: The BLACK+DECKER 18V Multi-Tool EVO183P1 main unit with its interchangeable impact driver, drill driver, circular saw, and sander attachments.

2. PACKAGE CONTENTS

Please check the package contents to ensure all items are present and undamaged before use.

- BLACK+DECKER 18V Multi-Tool Main Unit
- Impact Driver Head
- Drill Driver Head
- Circular Saw Head (with 24T blade)
- Sander Head
- 1.5Ah Lithium-Ion Battery (x2)
- 40-minute Rapid Charger
- Bit Set (11 pieces):
 - 50mm bits: Phillips #1, Phillips #2, PoziDrive #2, Slotted #8, Hex #3, Hex #4, Hex #5, Hex #6
 - 100mm bits: Phillips #2, PoziDrive #2, 2.5mm Drill Bit
- Sander Paper (10 pieces): Coarse #80 (x5), Fine #120 (x5)

- Dust Adapter
- Dedicated Soft Bag



Figure 2: Included accessories such as various bits, saw blade, sandpaper, charger, batteries, and soft bag.

3. SAFETY INFORMATION

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury when using power tools. Read all instructions before operating this product.

- **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 noisy tools. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **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 Pack Use and Care:** Recharge only with the charger specified by the manufacturer. Do not use battery packs with any other power tools. Do not incinerate the battery pack even if it is severely damaged.

4. SETUP

4.1 Charging the Battery

1. Connect the rapid charger to a standard power outlet.
2. Slide the 1.5Ah Lithium-Ion battery into the charger until it clicks into place.
3. The charging indicator light on the charger will show the charging status. A full charge typically takes 40 minutes.
4. Once fully charged, remove the battery from the charger.

4.2 Attaching Tool Heads

The Multi-Tool features a quick-release mechanism for easy head changes.

1. Ensure the main unit is turned off and the battery is removed before attaching or detaching any heads.
2. Align the desired tool head (Impact Driver, Drill Driver, Circular Saw, or Sander) with the main unit.
3. Push the head firmly onto the main unit until you hear a click, indicating it is securely locked in place.
4. To remove a head, press the release buttons on the sides of the main unit and pull the head off.



Figure 3: The main unit and its four interchangeable heads: drill, circular saw, sander, and impact driver.

5. OPERATING INSTRUCTIONS

Always ensure the battery is fully charged and the correct head is securely attached before operation.

5.1 General Operation

- Insert the charged battery into the main unit until it clicks.
- The tool features a variable speed trigger. Squeeze the trigger to start the tool and release to stop. The speed increases with more pressure on the trigger.
- An integrated LED light activates when the trigger is pressed, illuminating the work surface.

5.2 Impact Driver Head

Ideal for driving large fasteners and screws into dense materials.

- Insert the appropriate 6.35mm hex shank bit into the chuck.
- Apply firm, steady pressure to the fastener while operating the tool.



Figure 4: The impact driver head in use, driving a screw into a wooden beam.

5.3 Drill Driver Head

Suitable for drilling holes and driving smaller screws. Features an 11-stage clutch for torque control.

- Insert the desired drill bit (1-10mm capacity) into the chuck and tighten.
- Adjust the clutch setting based on the material and fastener size to prevent over-driving or stripping.
- For drilling, select the drill mode (usually indicated by a drill icon) and apply steady pressure.



Figure 5: The drill driver head attached to the main unit, ready for drilling tasks.

5.4 Circular Saw Head

For cutting wood and other materials. Max cutting depth of 21mm.

- Ensure the 85mm outer diameter, 15mm inner diameter 24T blade is securely installed.
- Adjust the cutting depth if applicable.
- Always use a stable work surface and secure the material being cut.

5.5 Sander Head

For sanding and finishing surfaces. Features one-touch pad replacement.

- Attach the appropriate sandpaper (Coarse #80 or Fine #120) to the sanding pad.
- Connect the dust adapter to a vacuum cleaner for dust collection.
- Move the sander evenly across the surface, applying light pressure.



Figure 6: The sander head in use, smoothing a wooden surface.

6. MAINTENANCE

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

- **Cleaning:** After each use, wipe down the tool with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners. Keep ventilation openings clear of dust and debris.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight and extreme temperatures. Do not store fully discharged batteries for extended periods.
- **Accessory Inspection:** Regularly inspect bits, blades, and sanding pads for wear and tear. Replace worn accessories to maintain performance and safety.
- **Storage:** Store the tool and its accessories in the dedicated soft bag in a dry, secure location out of reach of children.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Tool does not start.	Battery not charged or not inserted correctly.	Ensure battery is fully charged and securely inserted.
Reduced power or short run time.	Battery needs recharging or is at end of life.	Recharge battery. If problem persists, battery may need replacement.
Head not attaching securely.	Debris in connection or head not aligned.	Clean connection points. Ensure proper alignment and push firmly until it clicks.
Excessive vibration or poor performance.	Worn or damaged accessory (bit, blade, sandpaper).	Replace the accessory. Ensure it is correctly installed.

If the problem persists after trying these solutions, please contact BLACK+DECKER customer support.

8. SPECIFICATIONS

Feature	Specification
Voltage	DC18V
Battery Capacity	1.5Ah
Switch	Variable Speed
LED Light	Yes
Bit Holder	Magnetic
Product Weight	Approx. 970g (main unit)
Impact Driver Head	
No-load Speed	0-3,100 RPM
Impact Rate	0-4,000 BPM
Max Torque	140 N·m
Chuck Capacity	6.35mm Hex Shank
Drill Driver Head	
No-load Speed	0-800 RPM
Max Torque	22 N·m
Clutch Settings	11 Stages
Chuck Capacity	1-10mm
Circular Saw Head	
No-load Speed	0-3,400 RPM
Blade Diameter (Outer)	85mm
Blade Diameter (Inner)	15mm
Max Cutting Depth	21mm
Sander Head	
No-load Speed	0-9,000 RPM
Pad Replacement	One-touch

PRODUCT SPECS

電圧	DC18V
バッテリー容量	1.5Ah
スイッチ	無段変速
LEDライト	あり
ビットホルダー	マグネット
質量(ボディのみ)	約0.6kg

インパクト ドライバー	回転数	0-3,100回/分
	打撃数	0-4,000回/分
	最大トルク	140N・m
	チャック能力	6.35mm六角軸
ドリル ドライバー	回転数	0-800回/分
	最大トルク	22N・m
	クラッチ	11段階
	チャック能力	1-10mm
丸ノコ	回転数	0-3,400回/分
	ノコ刃(外径)	85mm
	ノコ刃(内径)	15mm
	最大切込深さ	21mm
サンダー	回転数	0-9,000回/分
	パッド交換	ワンタッチ

付属品

ビット:	プラス#1, #2, ポジドライブ#2, マイナス#8, 六角#3, #4, #5, #6 (50mm) プラス#2, ポジドライブ#2(100mm) 2.5mmドリル(100mm)
チップソー:	24Tブレード
サンドペーパー	粗目#80:5枚, 細目#120:5枚, 集塵機アダプター
バッテリー&充電機:	1.5Ahリチウムバッテリー2個付き & 40分急速充電器
バッグ:	専用ソフトバッグ

Figure 7: A visual representation of the product specifications.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

This BLACK+DECKER Multi-Tool EVO183P1 comes with a **1-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, abuse, alteration, or unauthorized repair.

9.2 Customer Support

For technical assistance, warranty claims, or to order replacement parts, please contact BLACK+DECKER customer support through their official website or the contact information provided in your product packaging.

Please have your model number (EVO183P1) and date of purchase ready when contacting support.

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