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Dedra DED7051

Instruction Manual for DEDRA 18V Cordless Angle Grinder

Model: DED7051

Brand: Dedra

PRODUCT OVERVIEW

The DEDRA SAS+ALL DED7051 18V Cordless Angle Grinder is designed for cutting and grinding tasks. This tool features a powerful motor capable of reaching speeds up to 8500 RPM, compatible with 125 mm and 115 mm diameter discs. Its ergonomic design, lightweight construction (2.2 kg), and fiberglass-reinforced nylon housing ensure durability and comfortable operation.

Key features include a safety switch that interrupts power if excessive pressure is applied to the workpiece, preventing damage or overheating. The quick-release system for discs, a two-position side handle, and a rubberized grip enhance user comfort and control. The disc changing key is conveniently stored within the side handle.



Image: DEDRA 18V Cordless Angle Grinder, showing the main unit with the side handle and disc guard installed.

SAFETY INFORMATION

Always read and understand all safety warnings, instructions, illustrations, and specifications provided with this power tool.

Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- **Work Area Safety:** Keep 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 personal protective equipment such as dust masks, non-skid safety shoes, hard hats, or hearing protection for appropriate conditions.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- **Safety Switch:** The grinder is equipped with a safety switch that cuts off power if excessive pressure is applied to the workpiece. This prevents damage to the tool and potential overheating. Do not attempt to bypass or disable this safety feature.
- **Disc Compatibility:** Only use grinding and cutting discs with a diameter of 125 mm or 115 mm that are rated for the grinder's maximum RPM.

WHAT'S IN THE BOX

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

- 1 x DEDRA 18V Cordless Angle Grinder (Main Unit)
- 1 x Auxiliary Side Handle
- 1 x Disc Guard
- 1 x Two-hole Wrench for Disc Change
- **Note: Battery and charger are NOT included and must be purchased separately.**



Image: A visual reminder that the battery and charger are sold separately from the angle grinder unit.

SETUP

1. Attaching the Side Handle:

The auxiliary side handle can be screwed into either of the two threaded holes on the grinder's gear housing, depending on your preferred working position and hand dominance. Ensure it is tightened securely.



Image: The angle grinder with the side handle attached, demonstrating its position.

2. Mounting the Disc Guard:

Position the disc guard over the spindle housing. Rotate it until it covers the disc adequately for your application, providing maximum protection. Tighten the guard's clamping mechanism firmly to prevent movement during operation.

3. Installing the Grinding/Cutting Disc:

Ensure the grinder is switched off and the battery is removed before installing or changing discs. Press the spindle lock button to secure the spindle. Place the inner flange onto the spindle, then position the grinding or cutting disc onto the inner flange. Secure the disc with the outer flange and tighten it using the provided two-hole wrench. Release the spindle lock.



Image: Top view of the angle grinder showing the disc guard and the spindle assembly where the disc is mounted.

4. Inserting the Battery:

Align the battery pack with the battery slot at the rear of the grinder handle. Slide the battery into place until it clicks securely. Ensure it is fully seated before operation.





Image: Rear view of the angle grinder, highlighting the battery insertion slot.

OPERATING INSTRUCTIONS

1. Starting the Grinder:

With the battery inserted and disc securely mounted, hold the grinder firmly with both hands. Press the power switch to start the tool. Allow the disc to reach full speed before making contact with the workpiece.

2. Grinding and Cutting:

Apply light, consistent pressure. Do not force the tool. The integrated safety switch will activate and cut power if excessive pressure is detected, protecting the tool from overload and overheating. If this occurs, reduce pressure and restart the tool.

3. Stopping the Grinder:

Release the power switch to stop the tool. Wait for the disc to come to a complete stop before setting the grinder down or performing any adjustments.

MAINTENANCE

- **Cleaning:** Regularly clean the ventilation openings of the grinder to prevent dust accumulation, which can lead to overheating. Use a soft brush or compressed air.

- **Disc Inspection:** Before each use, inspect the grinding or cutting disc for cracks, chips, or excessive wear. Replace damaged discs immediately.
- **Storage:** Store the grinder in a dry, secure place, out of reach of children. Remove the battery when storing for extended periods.
- **Battery Care:** Follow the manufacturer's instructions for charging and storing the battery pack. Do not expose batteries to extreme temperatures or moisture.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Grinder does not start.	Battery not inserted correctly or discharged.	Ensure battery is fully seated. Charge battery if necessary.
Grinder stops during operation.	Excessive pressure applied (safety switch activated).	Reduce pressure on the workpiece. Restart the tool.
Excessive vibration or noise.	Disc improperly installed or damaged.	Check disc installation. Replace disc if damaged or worn.
Tool feels hot.	Overuse or blocked ventilation.	Allow tool to cool down. Clean ventilation openings.

SPECIFICATIONS

Attribute	Value
Brand	Dedra
Model Number	DED7051
Power Source	Battery Powered (18V)
Max RPM	8500 RPM/min
Outer Disc Diameter	125 Millimeters (also compatible with 115 mm)
Disc Bore Diameter	22.2 mm
Material	Nylon (fiberglass-reinforced)
Item Weight	2 Kilograms
Package Dimensions	37 x 14 x 11 cm
Batteries Included	No
Batteries Required	Yes (Lithium-Manganese Dioxide type)

WARRANTY AND SUPPORT

Dedra products are designed for quality and reliability, undergoing testing at every stage of their lifecycle to ensure high standards. While specific warranty details are not provided in this manual, for any product support, technical assistance, or warranty claims, please contact Dedra customer service or refer to the official Dedra website for the most up-to-date information.

You can visit the official Dedra store on Amazon for more information and contact options:[Dedra Store](#)

