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Dedra DED7046

DEDRA SAS+ALL DED7046 Cordless Angle Grinder Instruction Manual

Model: DED7046

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your DEDRA SAS+ALL DED7046 Cordless Angle Grinder. This tool is designed for cutting and grinding tasks. The motor reaches speeds of up to 8500 revolutions per minute (RPM) and is compatible with 125mm diameter discs. Please read these instructions carefully before using the tool and keep them for future reference.

The DED7046 features a safety switch, a quick-release disc system, a two-position side handle, and a rubberized grip for enhanced comfort and control. A two-hole disc change wrench is conveniently located in the side handle. The casing is made from fiberglass-reinforced nylon, offering increased resistance to mechanical damage and UV radiation.

2. GENERAL SAFETY INSTRUCTIONS

WARNING: Read 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 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:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not abuse the cord. Keep cord away from heat, oil, sharp edges, or moving parts.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating for extended periods. Wear a dust mask if operations create dust. Dress properly; do not wear loose clothing or jewelry. Keep hair and clothing away from moving parts.
- **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.
- **Service:** Have your power tool serviced by a qualified repair person using only identical replacement parts.

3. PRODUCT COMPONENTS

Familiarize yourself with the main components of your DEDRA SAS+ALL DED7046 Cordless Angle Grinder:

- Main Unit (Angle Grinder Body)
- Auxiliary Handle (Side Handle)
- Sanding Disc Guard
- Two-hole Disc Change Wrench
- Battery Slot (Battery not included)



Figure 1: Overall view of the DEDRA SAS+ALL DED7046 Cordless Angle Grinder with the auxiliary handle attached.



Figure 2: Rear view of the angle grinder, highlighting the battery slot. Please note that the battery is sold separately.



Figure 3: The DEDRA SAS+ALL DED7046 Cordless Angle Grinder shown with its included accessories: the auxiliary handle, disc guard, and disc change wrench.



Figure 4: The DEDRA SAS+ALL DED7046 Cordless Angle Grinder with the auxiliary handle attached, ready for use.

4. SETUP

4.1 Battery Installation (Battery Not Included)

This angle grinder operates on a DEDRA SAS+ALL battery (sold separately). Ensure the battery is fully charged before use.

1. Align the battery pack with the battery slot at the base of the grinder.
2. Slide the battery pack into the slot until it clicks securely into place.
3. To remove, press the battery release button and slide the battery out.



Figure 5: The angle grinder with the battery slot visible. Remember, the battery is a separate purchase.

4.2 Auxiliary Handle Attachment

The auxiliary handle can be attached to either side of the grinder head for optimal control and comfort, depending on your working position.

1. Screw the auxiliary handle into one of the threaded holes on the grinder head.
2. Tighten it firmly by hand.

4.3 Disc Guard Adjustment

The disc guard protects against sparks and debris. Adjust its position to suit your task, ensuring maximum protection.

1. Loosen the screw or lever on the disc guard.
2. Rotate the guard to the desired position.

3. Tighten the screw or lever securely.

4.4 Disc Installation

Always ensure the grinder is switched off and the battery is removed before changing discs.

1. Press and hold the spindle lock button.
2. Use the two-hole disc change wrench (stored in the side handle) to loosen the outer flange nut by turning it counter-clockwise.
3. Remove the outer flange nut and the old disc.
4. Place the new 125mm disc onto the inner flange, ensuring it is correctly seated.
5. Replace the outer flange nut and tighten it clockwise using the wrench while holding the spindle lock button. Do not overtighten.



Figure 6: Close-up of the disc mounting area, showing the spindle and flange for disc installation.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

The grinder is equipped with an integrated safety on/off system.

1. **To Turn On:** Slide the safety switch forward and then press the main power switch.
2. **To Turn Off:** Release the main power switch. The safety switch will automatically return to the off position.

5.2 Speed Control

This model features variable speed control, allowing adjustment between 4000-8500 RPM for different applications.

1. Locate the speed adjustment dial, typically found on the body of the grinder.
2. Rotate the dial to select the desired speed setting. Lower speeds are suitable for polishing or less aggressive grinding, while higher speeds are for cutting and heavy grinding.

5.3 Grinding and Cutting Techniques

Always wear appropriate personal protective equipment (PPE) including eye protection, hearing protection, and gloves.

- **Grinding:** Hold the grinder firmly with both hands. Position the disc at a slight angle (15-30 degrees) to the workpiece. Apply moderate pressure and move the grinder smoothly across the surface.
- **Cutting:** Use a thin cutting disc. Hold the grinder perpendicular (90 degrees) to the workpiece. Allow the disc to reach full speed before making contact. Apply light, consistent pressure and let the tool do the work. Avoid twisting or jamming the disc.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your angle grinder.

- **Cleaning:** After each use, clean the tool with a soft, dry cloth. Use compressed air to clear dust from ventilation openings. Do not use water or chemical cleaners.
- **Disc Replacement:** Replace worn or damaged discs immediately. Refer to Section 4.4 for disc installation instructions.

- **Battery Care:** Store batteries in a cool, dry place. Do not expose them to extreme temperatures. Follow the battery manufacturer's charging instructions.
- **Storage:** Store the angle grinder in a dry, secure location out of reach of children.

7. TROUBLESHOOTING

If you encounter issues with your DEDRA SAS+ALL DED7046, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Grinder does not start	Battery not inserted correctly or discharged; Safety switch not engaged; Faulty power switch.	Ensure battery is fully charged and properly inserted. Engage safety switch. If problem persists, contact service.
Reduced power or speed	Low battery charge; Worn carbon brushes (if applicable); Overload.	Recharge battery. Reduce load on the tool. If problem persists, contact service.
Excessive vibration	Damaged or improperly mounted disc; Loose components.	Inspect disc for damage and ensure it is correctly mounted. Check for any loose parts and tighten.
Disc not spinning freely	Spindle lock engaged; Obstruction.	Ensure spindle lock is released. Check for any debris obstructing the disc.

8. SPECIFICATIONS

Feature	Specification
Brand	Dedra
Model Number	DED7046
Item Weight	2.1 Kilograms
Product Dimensions	14 x 10 x 37 cm
Color	Blue
Material	Fiberglass-reinforced Nylon
Power Source	Battery-powered (Battery not included)
Maximum Rotational Speed	8500 RPM
Disc Diameter	125 mm
Included Components	Angle grinder, two-hole disc change wrench, auxiliary handle, sanding disc guard
Batteries Required	No (Battery sold separately)

9. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official Dedra website. Keep your proof of purchase for any warranty claims.

For technical support, spare parts, or service inquiries, please contact your local Dedra dealer or authorized service center. You can find contact information on the Dedra website or through your retailer.

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