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› Einhell Cordless Angle Grinder TE-AG 18/125 CE Q Li Instruction Manual

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Einhell Cordless Angle Grinder TE-AG 18/125 CE Q Li Instruction Manual

Model: TE-AG 18/125 CE Q Li (Item No. 4431155)

1. INTRODUCTION

The Einhell TE-AG 18/125 CE Q Li cordless angle grinder is a versatile and powerful tool designed for a variety of tasks including grinding, cutting, roughing, and polishing. As part of the Einhell Power X-Change family, this tool offers cordless freedom and compatibility with all Power X-Change batteries and chargers. It features a robust PurePOWER brushless motor for extended runtime and power, constant electronics for stable performance, and a quick-fix nut for easy disc changes. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting to ensure optimal performance and longevity of your tool.

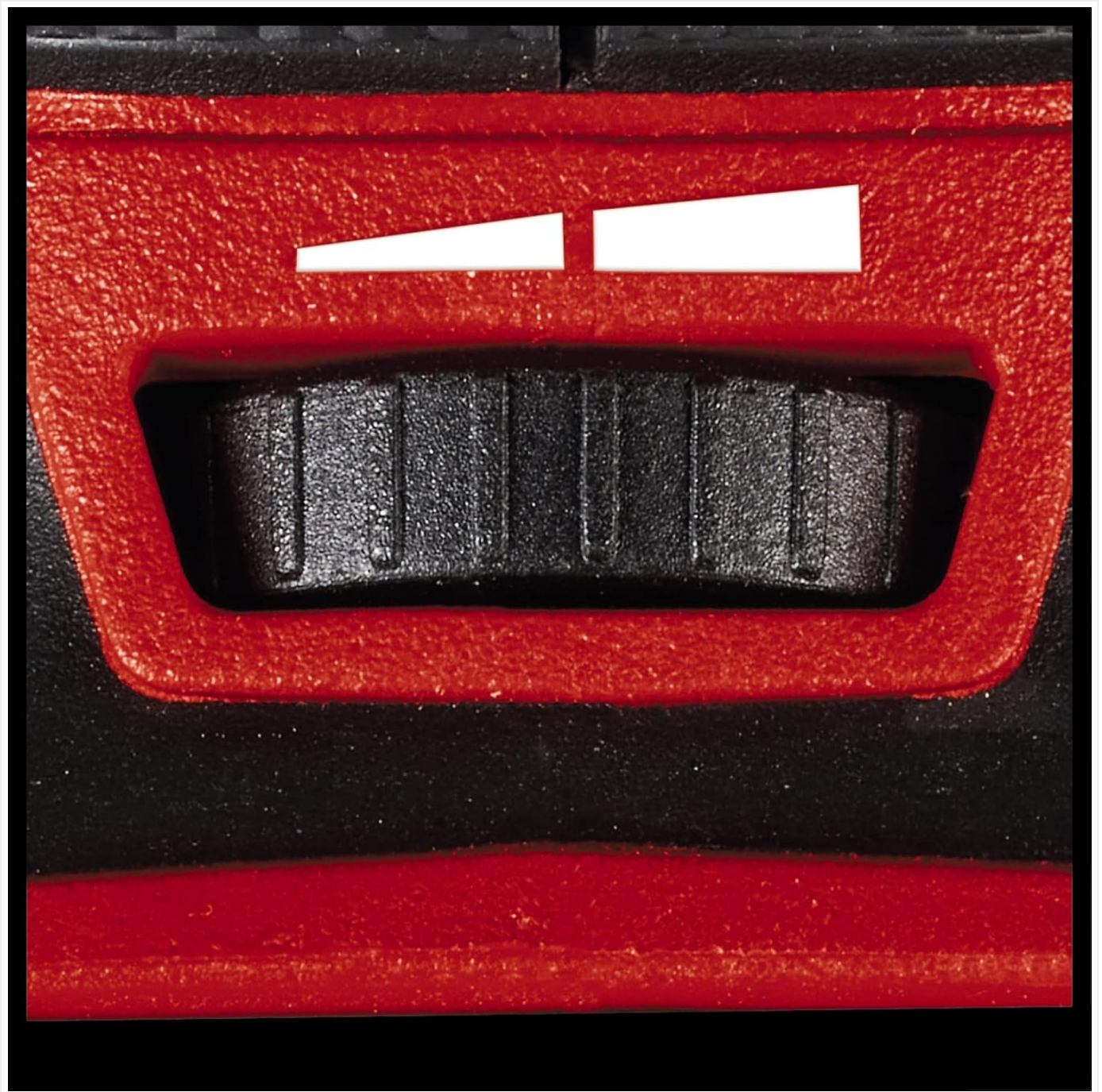


Figure 1: The Einhell Power X-Change ecosystem, highlighting battery compatibility across various tools.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions when operating the angle grinder to prevent injury and damage.

- **Wear Personal Protective Equipment (PPE):** Always wear safety goggles, hearing protection, and work gloves. A dust mask is recommended for dusty operations.
- **Secure Workpiece:** Ensure the workpiece is firmly clamped or secured to prevent movement during operation.
- **Proper Grip:** Maintain a firm grip on the tool with both hands, using the additional handle provided.
- **Check Disc Condition:** Before each use, inspect the grinding or cutting disc for cracks, chips, or damage. Replace damaged discs immediately.
- **Correct Disc Type:** Use only discs appropriate for the material and task. Ensure the disc's maximum RPM rating is higher than the tool's maximum speed.
- **Adjust Disc Guard:** Position the disc guard to provide maximum protection for the operator and to deflect sparks away from the body.

- **Avoid Kickback:** Be aware of potential kickback, especially when cutting. Maintain a stable stance and avoid binding the disc in the workpiece.
- **Clear Work Area:** Keep the work area clean and well-lit. Remove any flammable materials.
- **Battery Safety:** Use only Einhell Power X-Change batteries and chargers. Do not expose batteries to heat or water.
- **Overload Protection:** The tool is equipped with overload protection. If the tool stops, reduce pressure or allow it to cool down before resuming.
- **Restart Protection:** The tool features restart protection to prevent accidental startup after a power interruption or battery change.

3. COMPONENTS OVERVIEW

Familiarize yourself with the main components of your Einhell Cordless Angle Grinder:

- **Brushless Motor (PurePOWER):** Provides high power and efficiency with minimal maintenance.
- **Spindle Lock Button:** For securing the spindle during disc changes.
- **Quick-Fix Nut:** Allows for tool-free and rapid changing of grinding/cutting discs.
- **Quick-Adjust Disc Guard:** Protects against sparks and debris, adjustable without tools.
- **Additional Handle:** Can be mounted in two positions for optimal control and comfort.
- **Variable Speed Control Dial:** Adjusts the rotational speed (3000-10500 RPM) for different materials.
- **LED Speed Display:** Indicates the selected speed setting.
- **Dust Protection Grid:** Integrated grid protects the tool's interior from dust and debris, removable for cleaning.
- **Battery Interface:** For connecting Power X-Change batteries.

4. SETUP

4.1 Battery Installation

Ensure the battery is fully charged before use. The angle grinder is sold without a battery or charger, which must be purchased separately as part of the Power X-Change system.

1. Align the battery with the battery interface on the tool.
2. Slide the battery into place until it clicks securely.
3. To remove, press the release button on the battery and slide it out.



Figure 2: Illustration indicating that the battery and charger are not included with the tool and must be purchased separately.

4.2 Disc Installation and Guard Adjustment

The angle grinder accepts cutting discs up to 125 mm in diameter.

1. Ensure the tool is switched off and the battery is removed.
2. Press and hold the spindle lock button.
3. Unscrew the quick-fix nut by hand (or using a spanner if necessary, though it's designed for tool-free operation).
4. Place the desired grinding or cutting disc onto the flange, ensuring it is centered.
5. Screw the quick-fix nut back on and tighten it firmly by hand. Release the spindle lock button.
6. Adjust the quick-adjust disc guard to ensure maximum protection for your hands and body, deflecting sparks away from you.

BATTERY & CHARGER



NOT INCLUDED

Figure 3: Detail of the quick-fix nut mechanism for fast and tool-free disc changes.

4.3 Additional Handle Attachment

The additional handle can be screwed into either of the two mounting positions on the gear head for comfortable and secure two-hand operation.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

1. To switch on, slide the ON/OFF switch forward.
2. To switch off, release the ON/OFF switch. The tool will stop.

5.2 Variable Speed Control

The integrated variable speed control allows you to adjust the rotational speed between 3000 and 10500 RPM, optimizing performance for different materials and applications. The constant electronics feature ensures that the selected speed is

maintained even under load.

1. Use the speed control dial to select the desired RPM.
2. Refer to the LED speed display for the current setting.
3. Lower speeds are generally suitable for polishing or working with sensitive materials, while higher speeds are for aggressive grinding and cutting.



Figure 4: Close-up of the variable speed control dial, allowing precise speed adjustment.



Figure 5: The LED display showing speed settings and an overload indicator for safe operation.

5.3 General Usage Tips

- Allow the tool to reach full speed before contacting the workpiece.
- Apply moderate pressure; excessive force can lead to overheating, reduced performance, and disc damage.
- Move the tool smoothly and consistently across the workpiece.
- For cutting, use a cutting disc and make shallow passes to avoid binding.
- For grinding, hold the disc at a slight angle to the workpiece.



Figure 6: An operator using the Einhell angle grinder for a cutting application, demonstrating proper safety gear and technique.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your angle grinder.

6.1 Cleaning

- Always remove the battery before cleaning.
- Clean the tool's exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- The integrated dust protection grid can be easily removed for cleaning. Regularly clean it to prevent dust buildup and ensure proper air circulation.
- Use compressed air to clear ventilation slots and internal components of dust and debris.



Figure 7: Close-up of the removable dust protection grid, designed to shield internal components from debris.

6.2 Storage

Store the angle grinder in a dry, secure place, out of reach of children. Remove the battery before storing for extended periods.

7. TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Tool does not start	Battery not inserted correctly or discharged; ON/OFF switch not fully engaged; Restart protection active.	Check battery connection and charge level; Ensure switch is fully engaged; Cycle the ON/OFF switch to reset restart protection.
Reduced performance / Tool stops during operation	Overload protection activated; Battery low; Disc worn or incorrect type.	Reduce pressure on the tool; Recharge battery; Replace disc if worn or use appropriate disc.
Excessive vibration	Disc incorrectly mounted or damaged; Flange nut not tightened.	Re-mount disc correctly; Replace damaged disc; Tighten quick-fix nut securely.

8. SPECIFICATIONS

Feature	Value
Model Number	4431155

Feature	Value
Power Source	Battery Powered (Power X-Change 18V)
Voltage	18 Volts
Power Output	900 Watts
Max. Disc Diameter	125 mm
Max. Cutting Depth	33 mm
No-Load Speed	3000 - 10500 RPM (Variable)
Motor Type	Brushless (PurePOWER)
Product Dimensions (LxWxH)	30 x 22.4 x 11 cm
Item Weight	1.71 kg
Included Components	Cordless Angle Grinder, Disc Guard, Quick-Fix Nut, Auxiliary Handle

9. WARRANTY AND SUPPORT

Einhell provides a 10-year guarantee on the PurePOWER brushless motor upon online registration. For detailed warranty information, product registration, or technical support, please visit the official Einhell website or contact your local dealer. Keep your purchase receipt as proof of purchase.

