

Avhrit AG037-02NEW

Avhrit 21V Cordless Angle Grinder Instruction Manual

Model: AG037-02NEW

1. INTRODUCTION

The Avhrit 21V Cordless Angle Grinder is a versatile power tool designed for cutting, grinding, and polishing various materials. Its brushless motor provides efficient performance and extended tool life, while the cordless design offers maximum mobility for both indoor and outdoor applications. This manual provides essential information for safe operation, proper setup, and effective maintenance of your tool.

2. SAFETY INSTRUCTIONS

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury when operating power tools.

- **Personal Protective Equipment:** Always wear eye protection (safety glasses or goggles), hearing protection, and heavy-duty gloves. A dust mask is recommended for dusty operations.
- **Work Area:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Secure Workpiece:** Always clamp or otherwise secure the workpiece to prevent movement during operation.
- **Avoid Accidental Starting:** Ensure the switch is in the off-position before inserting the battery pack, picking up or carrying the tool.
- **Proper Grip:** Maintain a firm grip on the tool with both hands during operation.
- **Ventilation:** Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Battery Safety:** Use only the specified battery packs and charger. Do not expose battery packs to heat or fire.
- **Disc Safety:** Ensure the disc is correctly installed and secured before operation. Never use damaged or incorrect discs.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact

customer support.

- 1 x Avhrit Cordless Angle Grinder
- 2 x 4000mAh Lithium-Ion Batteries
- 1 x Battery Charger
- 1 x Side Handle (Anti-Vibration)
- 5 x Cutting Wheels
- 2 x Flap Discs
- 1 x Disc Fixing Kit
- 1 x Wrench
- 1 x Tool Bag

Our Cordless Grinders Set



Figure 3.1: Included components of the Avhrit Cordless Angle Grinder set.

4. SETUP

4.1 Battery Installation and Charging

To install the battery, align the battery pack with the slot on the tool and slide it in until it clicks into place. To remove, press the release button and slide the battery out. Charge batteries fully before first use and whenever the power level is low.



Figure 4.1: The two 4000mAh lithium-ion batteries provide extended runtime.

4.2 Side Handle Attachment

The anti-vibration side handle can be attached to either the left or right side of the grinder head, providing improved control and comfort for both left-handed and right-handed users. Screw the handle firmly into the desired position.

Comfortable *anti-slip Handle* Design

2-Position



Drop Shut-off Feature

Figure 4.2: The side handle can be mounted in two positions for ergonomic use.

4.3 Disc Installation and Removal

Ensure the battery is removed before changing discs. Use the provided wrench to loosen the flange nut, remove the old disc, and place the new disc onto the spindle. Secure it with the flange nut and tighten firmly using the wrench. The quick clamp guard can be adjusted without tools for optimal protection.

5. OPERATION

5.1 Powering On and Off

To turn the grinder on, slide the power switch to the 'ON' position. To turn it off, slide the switch back to the 'OFF' position. Always ensure a firm grip before starting the tool.

5.2 Speed Adjustment

The angle grinder features three adjustable speed settings to match the requirements of different tasks and materials:

- **Low Speed:** 5000 RPM - Suitable for delicate grinding or polishing tasks.
- **Medium Speed:** 7500 RPM - General purpose grinding and cutting.
- **High Speed:** 10000 RPM - For aggressive cutting and heavy-duty grinding.

Select the appropriate speed using the speed selector button on the tool.

Three-speed adjustment mode

UP TO 10000RPM



Figure 5.1: The angle grinder offers three speed settings for various applications.

5.3 Usage Guidelines

Always allow the disc to reach full operating speed before contacting the workpiece. Apply steady, even pressure. Avoid excessive force, which can cause kickback or damage the disc and tool. For cutting, use a cutting disc and make shallow passes. For grinding, use a grinding disc and move the tool smoothly across the surface.



Figure 5.2: The tool is suitable for both metal cutting and grinding tasks.

Durability & Safety

Durable machine for heavy use, offering consistent performance

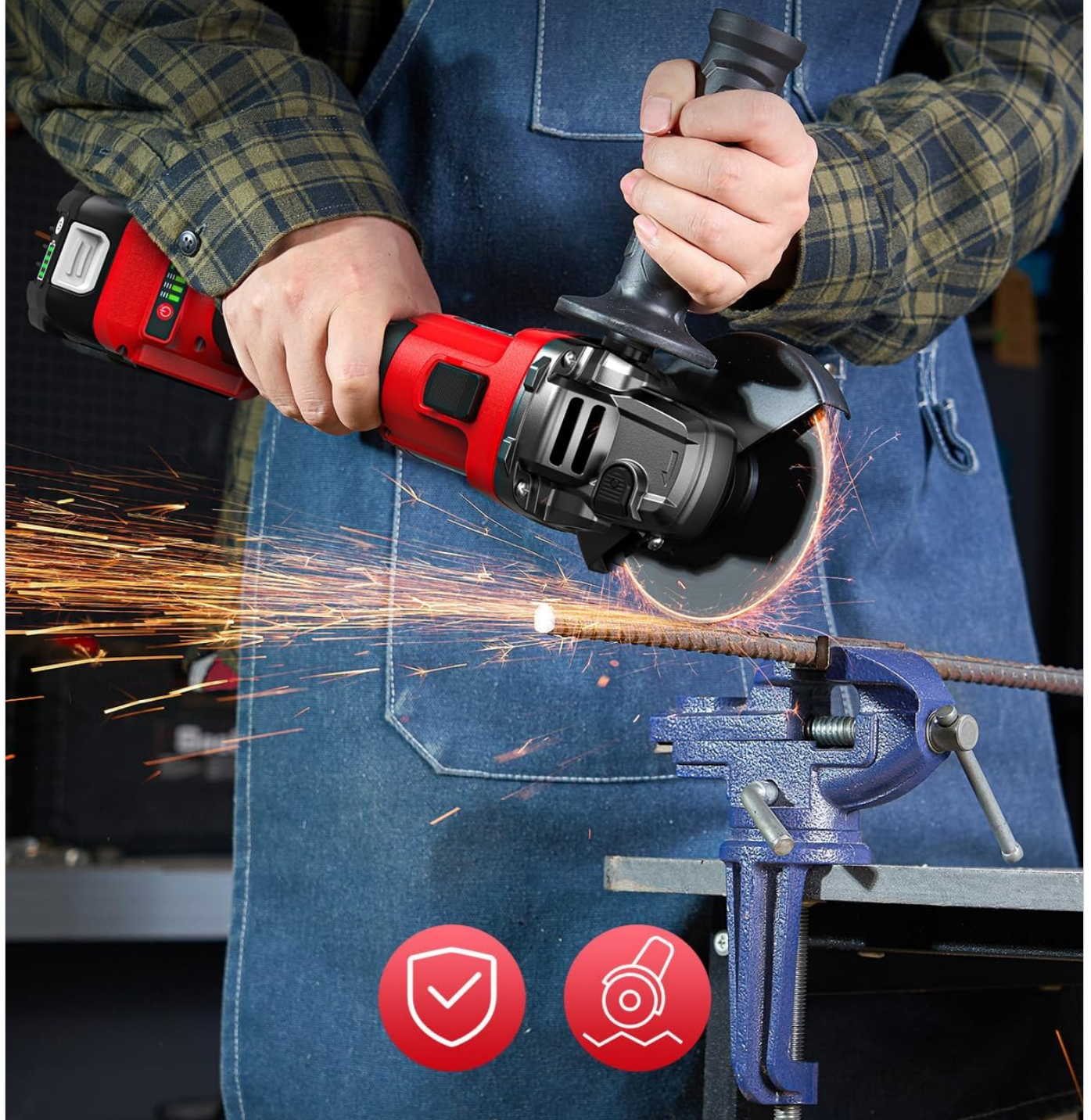


Figure 5.3: The brushless motor ensures consistent performance and durability.



Figure 5.4: Examples of various applications for the cordless angle grinder.

6. MAINTENANCE

6.1 Cleaning

Regularly clean the ventilation openings of the tool to prevent overheating. Use a soft brush or compressed air to remove dust and debris. Do not use water or chemical cleaners.

6.2 Battery Care

Store batteries in a cool, dry place away from direct sunlight. Do not store fully discharged batteries for extended periods. Charge them periodically if not in use.

6.3 Disc Inspection

Before each use, inspect discs for cracks, chips, or wear. Replace any damaged discs immediately. Never use a disc that has been dropped.

6.4 Storage

When not in use, store the angle grinder and its accessories in the provided tool bag, in a dry, secure location out of reach of children.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly installed	Ensure battery is fully charged and correctly inserted.
Reduced performance / Overheating	Blocked ventilation openings; Worn disc; Overloading	Clean ventilation slots. Replace worn disc. Reduce pressure on workpiece.
Excessive vibration	Damaged or improperly installed disc; Loose side handle	Inspect and replace disc if damaged. Ensure disc is correctly installed. Tighten side handle.

8. SPECIFICATIONS

- **Model Number:** AG037-02NEW
- **Voltage:** 21 Volts
- **Max No-Load Speed:** 10,000 RPM
- **Speed Settings:** 3 (5000, 7500, 10000 RPM)
- **Disc Diameter:** 125 mm (Ø 125 mm)
- **Motor Type:** Brushless
- **Battery Capacity:** 2 x 4000 mAh Lithium-Ion
- **Power Source:** Battery Powered
- **Materials:** Acrylonitrile Butadiene Styrene, Aluminum, Metal
- **Approx. Package Dimensions:** 39.29 x 28.8 x 14.5 cm
- **Approx. Package Weight:** 4.52 kg

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact the retailer. Keep your proof of purchase for any warranty claims.

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question