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> AEG BS 12C2 Li-202C Compact Drill User Manual

AEG 4935447867

AEG BS 12C2 Li-202C Compact Drill

USER MANUAL

1. INTRODUCTION

1.1 Product Overview

The AEG BS 12C2 Li-202C Compact Drill is a versatile and powerful 12V battery-powered tool designed for drilling and screwing applications. Its compact size, measuring only 168 mm in length, makes it extremely handy for various tasks. It features a 10 mm keyless chuck, electronic speed control, overload protection, and a 17-step torque adjustment with an additional drill setting.

This drill is equipped with clockwise and anti-clockwise rotation capabilities, an integrated LED light for improved visibility, a comfortable soft-grip handle, and a battery charge status indicator. It utilizes PRO Li-ion batteries with built-in overload protection for enhanced durability and performance.



Figure 1: AEG BS 12C2 Li-202C Compact Drill

1.2 Safety Information

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.

- Always wear eye protection and hearing protection when operating the drill.
- 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.
- Keep children and bystanders away while operating a power tool.
- Use the correct tool for your application. Do not force the tool.
- Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.
- Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation.

2. PACKAGE CONTENTS

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

retailer.

- 1 x AEG BS 12C2 Compact Drill
- 2 x 12 V / 2.0 Ah PRO Li-Ion Battery Packs
- 1 x Quick Charger LL1230
- 1 x Belt Clip
- 1 x Transport Case

3. SETUP

3.1 Battery Charging

Before first use, fully charge the battery pack. The quick charger LL1230 is designed for use with AEG 12V Li-Ion battery packs.

1. Insert the battery pack into the charger until it clicks into place.
2. Plug the charger into a suitable power outlet.
3. The charging indicator light on the charger will show the charging status. Refer to the charger's manual for specific light indications.
4. Once fully charged, remove the battery pack from the charger.

3.2 Attaching Accessories (Drill Bits/Screwdriver Bits)

The drill features a 10 mm keyless chuck for quick and easy accessory changes.

1. To open the chuck, rotate the chuck sleeve counter-clockwise until the jaws are wide enough to insert the accessory.
2. Insert the drill bit or screwdriver bit fully into the chuck. Ensure the bit is centered.
3. To tighten the chuck, rotate the chuck sleeve clockwise until the bit is securely clamped. Do not overtighten.
4. To remove an accessory, rotate the chuck sleeve counter-clockwise to loosen the jaws and pull the bit out.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

To start the drill, press the trigger switch. The speed of the drill is controlled by the amount of pressure applied to the trigger; the more you press, the faster the drill rotates. To stop the drill, release the trigger switch.

4.2 Speed Control

The AEG BS 12C2 features two mechanical speed gears and electronic speed control via the trigger.

- **Gear 1 (Low Speed):** 0-350 min⁻¹. Use for high torque applications such as driving large screws or drilling large diameter holes in softer materials.
- **Gear 2 (High Speed):** 0-1500 min⁻¹. Use for faster drilling in smaller diameters or for general drilling tasks.

To change gears, slide the gear selector switch located on top of the drill. Ensure the drill is stopped before changing gears to prevent damage.

4.3 Torque Adjustment

The drill has a 17-step torque adjustment ring plus a dedicated drill setting. The torque ring allows you to set the amount of torque the drill will apply before the clutch disengages, preventing overtightening of screws or damage to the

workpiece.

- Rotate the torque adjustment ring to select the desired setting. Lower numbers indicate lower torque, suitable for smaller screws or softer materials. Higher numbers provide more torque for larger screws or harder materials.
- For drilling applications, set the ring to the drill symbol (indicated by a drill bit icon) to bypass the clutch and provide maximum power.

4.4 Drilling and Screwing

The drill supports both clockwise and anti-clockwise rotation.

- **Forward Rotation (Clockwise):** Used for drilling and driving screws. Set the forward/reverse selector switch (located above the trigger) to the left position.
- **Reverse Rotation (Anti-clockwise):** Used for removing screws or backing out drill bits. Set the forward/reverse selector switch to the right position.

An integrated LED light illuminates the work area when the trigger is pressed, improving visibility in dimly lit conditions.



Figure 2: AEG BS 12C2 Li-202C Compact Drill in operation

5. MAINTENANCE

5.1 Cleaning

- Always disconnect the battery pack before cleaning.
- Keep the ventilation openings of the tool clean to prevent overheating.
- Use a soft, damp cloth to clean the exterior of the tool. Do not use harsh chemicals or abrasive cleaners.
- Regularly clean the chuck jaws to ensure proper gripping of accessories.

5.2 Storage

- Store the drill and battery packs in a cool, dry place, away from direct sunlight and extreme temperatures.
- Ensure battery packs are partially charged (around 50%) before long-term storage to prolong battery life.

- Store the tool in its transport case to protect it from dust and physical damage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drill does not start	Battery not charged or improperly inserted	Charge battery fully; ensure battery is securely inserted.
Reduced power or short run time	Battery low or nearing end of life	Recharge battery; consider replacing old battery packs.
Chuck not holding bit securely	Chuck jaws dirty or damaged; bit not inserted fully	Clean chuck jaws; ensure bit is inserted completely and chuck is tightened.
Overheating during use	Blocked ventilation slots; continuous heavy use	Clear ventilation slots; allow tool to cool down during prolonged use.

7. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	AEG
Model Number	4935447867 (BS 12C2 Li-202C)
Power Source	Battery Powered
Battery Voltage	12 Volts
Battery Amperage	2 Amps
Maximum Power	24 Watts
No-Load Speed (Gear 1)	0-350 RPM
No-Load Speed (Gear 2)	0-1500 RPM
Maximum Torque	34 Newton Meters
Torque Settings	17 + Drill Setting
Chuck Clamping Range	1.5 - 10 mm
Drilling Capacity (Wood)	20 mm
Drilling Capacity (Steel)	10 mm
Max Wood Screw Diameter	6 mm
Item Weight	3 Kilograms (approx. 6.6 pounds)
Product Dimensions	14.57 x 4.72 x 10.63 inches
Included Components	2 x 12 V / 2.0 Ah PRO Li-Ion battery; quick charger LL1230; belt clip; transport case
Material	Metal

Feature	Specification
Color	Black, Orange

8. WARRANTY AND SUPPORT

AEG power tools are manufactured to high quality standards. This product comes with a manufacturer's warranty.



Figure 3: AEG Warranty Information

- **Tool Warranty:** 6 years warranty on tools after online registration within 30 days of purchase.
- **Battery and Charger Warranty:** 3 years warranty on batteries and chargers after online registration within 30 days of purchase.

For detailed warranty terms, online registration, or technical support, please visit the official AEG website or contact your local AEG service center. Keep your proof of purchase for warranty claims.