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› [Kress KA0102 20V 4Ah Lithium-Ion Battery Instruction Manual for Kress Mission Robotic Lawn Mowers](#)

Kress KA0102

Kress KA0102 20V 4Ah Lithium-Ion Battery Instruction Manual

For Kress Mission Robotic Lawn Mowers KR111, KR112, KR120, KR121, KR122, KR123

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient use of your Kress KA0102 20V 4Ah Lithium-Ion Battery. This battery is specifically designed to power Kress Mission robotic lawnmowers, ensuring optimal performance and runtime. Please read this manual thoroughly before initial use and retain it for future reference.

The Kress KA0102 battery is compatible with the following Kress Mission robotic lawnmower models:

- KR111
- KR112
- KR120
- KR121
- KR122
- KR123



An image showing the Kress KA0102 battery pack. It is black, rectangular, with a label displaying 'Kress', 'KA0102', '20V Max Lithium Ion 18V 72Wh', '4.0Ah', and various safety symbols. A white connector with red, yellow, and blue wires extends from one end.

2. IMPORTANT SAFETY INFORMATION

Always observe the following safety precautions to prevent personal injury and damage to the battery or robotic lawnmower.

- **Read all instructions:** Familiarize yourself with the battery and its compatible device before use.
- **Use only with specified chargers:** Only charge the Kress KA0102 battery with chargers approved by Kress for this model. Using an incompatible charger may cause fire, injury, or damage.
- **Do not disassemble:** Never attempt to open, modify, or repair the battery pack. There are no user-serviceable parts inside.
- **Avoid extreme conditions:** Do not expose the battery to water, rain, or extreme temperatures (above 50°C / 122°F or below -10°C / 14°F).
- **Prevent short circuits:** Do not allow metal objects to contact the battery terminals.
- **Proper disposal:** Do not dispose of batteries in household waste or fire. Always follow local regulations for battery recycling. The battery features the crossed-out wheeled bin symbol, indicating it must be disposed of separately from household waste.
- **Handle with care:** Do not drop, puncture, or subject the battery to heavy impact. If the battery is damaged, discontinue use immediately.
- **Keep away from children:** Store the battery in a secure location out of reach of children.

3. SETUP AND INSTALLATION

3.1 Initial Charging

1. Before first use, fully charge the Kress KA0102 battery using the Kress-approved charger for your robotic lawnmower.
2. Refer to your robotic lawnmower's manual for specific charging instructions and indicators.

3.2 Battery Installation

To install the battery into your Kress Mission robotic lawnmower:

1. Ensure the robotic lawnmower is powered off and disconnected from its charging station.
2. Locate the battery compartment on your specific Kress Mission model. This is typically found under a cover secured by screws or latches.
3. Carefully open the battery compartment.
4. Align the battery connector with the corresponding port inside the compartment. The connector is designed to fit in only one orientation.
5. Gently push the connector until it clicks securely into place.
6. Insert the battery pack into the compartment, ensuring it sits snugly without forcing.
7. Close the battery compartment cover and secure it according to your mower's instructions.

For detailed visual guidance, consult the instruction manual provided with your Kress Mission robotic lawnmower.

4. OPERATING THE BATTERY

The Kress KA0102 battery operates as an integrated power source for your Kress Mission robotic lawnmower. Its operation is managed by the mower's internal system.

- **Automatic Operation:** Once installed and the mower is powered on, the battery will provide power for mowing cycles and automatically recharge when the mower returns to its charging station.
- **Battery Level Indication:** The battery level is typically displayed on the robotic lawnmower's control panel or via its companion app. Refer to your mower's manual for specific details on checking the charge status.
- **Optimal Performance:** For best results, allow the mower to complete its full charging cycles. Avoid frequently interrupting charging unless necessary.

5. MAINTENANCE AND STORAGE

5.1 Cleaning

Keep the battery and its terminals clean. Use a dry, soft cloth to wipe away any dust or debris. Do not use water or cleaning solvents.

5.2 Storage

- **Short-term storage:** If the battery will not be used for a few days, store it in the robotic lawnmower in its charging station.
- **Long-term storage:** For periods longer than one month, remove the battery from the mower. Store it in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Charge level for storage:** For optimal battery life during long-term storage, ensure the battery is charged to approximately 50-60% of its capacity. Fully discharged or fully charged batteries can degrade faster

during extended storage.

- **Periodic charging:** If storing for several months, it is recommended to partially charge the battery every 3-6 months to maintain its health.

6. TROUBLESHOOTING

If you encounter issues with your Kress KA0102 battery, consider the following common solutions:

- **Battery not charging:**

- Ensure the robotic lawnmower is correctly docked in its charging station.
- Verify that the charging station is powered on and receiving electricity.
- Check the battery connector for any debris or corrosion.
- Confirm that the battery is securely installed in the mower.

- **Reduced runtime:**

- Battery capacity naturally decreases over time with usage.
- Ensure the battery is fully charged before each mowing cycle.
- Extreme temperatures can temporarily affect battery performance.

- **Mower not starting (battery related):**

- Check the battery charge level.
- Ensure the battery is properly connected within the mower.
- If the mower displays an error code, consult your Kress Mission robotic lawnmower manual for specific battery-related diagnostics.

If these steps do not resolve the issue, contact Kress customer support or an authorized service center.

7. SPECIFICATIONS

Attribute	Specification
Brand	Kress
Model	KA0102
Part Number	59000300
Battery Type	Lithium-Ion
Voltage	20V Max (18V Nominal)
Capacity	4.0 Ah (4000 mAh)
Energy	72 Wh
Power Source Type	DC
Compatible Devices	Kress Mission Robotic Lawn Mowers (KR111, KR112, KR120, KR121, KR122, KR123)

8. WARRANTY AND SUPPORT

For information regarding the warranty period and terms for your Kress KA0102 battery, please refer to the warranty documentation included with your original purchase or visit the official Kress website. Kress provides customer support for product inquiries, technical assistance, and service requests.

To contact Kress support, please visit the official Kress website or refer to the contact information provided in your robotic lawnmower's manual.

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Related Documents - KA0102

	<p>Kress KR133E Robotic Lawnmower Parts List and Diagram</p> <p>Detailed parts list and diagram for the Kress KR133E robotic lawnmower. Find comprehensive information on all components, including SKUs, part names, and associated diagram tags for easy identification and replacement.</p>
	<p>Kress Robotic Lawnmower KR160E Series Owner's Manual</p> <p>This owner's manual provides comprehensive guidance for Kress robotic lawnmowers, including models KR160E, KR160E.A, KR161E, and KR171E. It covers essential information on safe operation, maintenance, technical specifications, and troubleshooting to ensure optimal performance and user safety.</p>
	<p>Kress MISSION KR120E Robotic Lawnmower Owner's Manual</p> <p>Comprehensive owner's manual for the Kress MISSION KR120E robotic lawnmower, covering safety, operation, maintenance, troubleshooting, and technical specifications.</p>

 Kress  SAFETY AND OPERATING MANUAL Lithium-Ion Brushless Impact Driver KUB60 KUB60.2 KUB60.9 KUB60.91	<p><u>Kress Lithium-Ion Brushless Impact Driver KUB60 Series: Safety and Operating Manual</u></p> <p>Comprehensive safety and operating manual for the Kress KUB60, KUB60.2, KUB60.9, and KUB60.91 Lithium-Ion Brushless Impact Drivers. Covers general power tool safety, battery safety, operating instructions, technical data, and troubleshooting.</p>
 MISsION™ Owner's Manual	<p><u>Kress MISSION RTK Robotic Lawnmower Owner's Manual</u></p> <p>Comprehensive owner's manual for the Kress MISSION RTK KR237E robotic lawnmower, detailing safety, operation, maintenance, troubleshooting, and technical specifications for optimal lawn care.</p>
 MISsION™ Owner's Manual	<p><u>Kress KR133E/KR136E Robotic Lawnmower Owner's Manual</u></p> <p>Comprehensive owner's manual for the Kress KR133E and KR136E robotic lawnmowers, covering safety, operation, maintenance, and technical specifications.</p>