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## BLACK+DECKER BEMW451

# BLACK+DECKER BEMW451-QS Electric Lawn Mower

## USER MANUAL

Model: BEMW451

### Introduction

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Thank you for choosing the BLACK+DECKER BEMW451-QS Electric Lawn Mower. This manual provides essential information for the safe and efficient operation, assembly, maintenance, and troubleshooting of your new lawn mower. Please read this manual thoroughly before first use and keep it for future reference.

The BEMW451-QS is a powerful 1200W wired electric lawn mower designed for lawns up to 300 m<sup>2</sup>. It features a 32 cm cutting width, E-DRIVE technology for consistent torque, and an EDGEMAX system for efficient mowing close to edges. The cutting height is adjustable to 3 positions (23, 43, and 63 mm) via a central lever.

### Important Safety Instructions

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Always observe basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and personal injury.

- **Read all instructions:** Familiarize yourself with the controls and proper use of the appliance.
- **Keep children and bystanders away:** Do not allow children or people unfamiliar with these instructions to operate the mower.
- **Wear appropriate attire:** Always wear substantial footwear and long trousers while mowing. Do not operate the mower when barefoot or wearing open sandals.
- **Inspect the area:** Before mowing, clear the area of objects such as stones, sticks, wires, bones, and toys that could be thrown by the blade.
- **Avoid dangerous environments:** Do not use the mower in damp or wet conditions.
- **Maintain the mower:** Keep cutting edges sharp and clean for best performance. Follow instructions for lubricating and changing accessories.
- **Disconnect power:** Always disconnect the mower from the power supply before cleaning, adjusting, or performing maintenance.
- **Use extension cords properly:** Ensure extension cords are suitable for outdoor use and are in good condition.

### Setup and Assembly

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Your BLACK+DECKER BEMW451-QS lawn mower requires minimal assembly. Follow these steps to prepare your mower for use.

## 1. Handle Assembly:

Attach the lower and upper handle sections to the mower body using the provided fasteners. Ensure all connections are secure. The handle is designed for comfortable grip and control during operation.



Image: Side view of the BLACK+DECKER BEMW451-QS electric lawn mower, illustrating the assembled handle and overall structure.

## 2. Grass Box Assembly:

Assemble the two halves of the grass collection box if they are separate. Then, securely attach the assembled grass box to the rear of the mower. Ensure it clicks into place correctly to prevent grass clippings from escaping.



Image: Front-side view of the BLACK+DECKER BEMW451-QS electric lawn mower, showing the integrated grass collection box at the rear.

### 3. Cutting Height Adjustment:

Before starting, adjust the cutting height to suit your lawn conditions. The BEMW451-QS offers 3 cutting heights: 23 mm, 43 mm, and 63 mm. Locate the central lever on the side of the mower and move it to the desired position. For best results, avoid cutting more than one-third of the grass blade length at a time.



Image: Detailed view of the central lever mechanism used to adjust the cutting height of the lawn mower.

## Operating Instructions

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Follow these guidelines for effective and safe operation of your electric lawn mower.

### 1. **Connecting to Power:**

Plug the mower's power cord into a suitable outdoor-rated extension cord, ensuring the extension cord is rated for the mower's power requirements (1200W). Connect the extension cord to a grounded outdoor power outlet.

### 2. **Starting the Mower:**

To start the mower, press and hold the safety button, then squeeze the bail lever towards the handle. Release the safety button once the motor starts. The E-DRIVE technology ensures high and consistent torque, even in taller or wet grass.

### 3. **Mowing Technique:**

Mow in overlapping rows, slightly overlapping the previous pass to ensure even coverage. For best results, mow when the grass is dry. The EDGEMAX system allows for efficient mowing close to borders and obstacles.



Image: An individual demonstrating the use of the BLACK+DECKER lawn mower on a well-maintained lawn.

#### 4. Stopping the Mower:

To stop the mower, simply release the bail lever. The blade will stop rotating within a few seconds. Always wait for the blade to come to a complete stop before approaching the mower or performing any adjustments.

## Maintenance

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Regular maintenance ensures the longevity and optimal performance of your BLACK+DECKER lawn mower. Always disconnect the power supply before performing any maintenance.

- **Cleaning:** After each use, clean the mower deck and grass box. Remove any accumulated grass clippings from the underside of the deck using a brush or scraper. Do not use water jets or high-pressure cleaners directly on the motor or electrical components.
- **Blade Care:** The new design blade with fins ensures optimal grinding and chopping, reducing jamming. Periodically inspect the blade for sharpness and damage. A dull or damaged blade can affect cutting performance and put strain on the motor. If necessary, have the blade sharpened or replaced by a qualified service center.
- **Grass Box Emptying:** Empty the grass box regularly, especially when it is full, to maintain efficient grass collection and prevent clogging.
- **Storage:** Store the mower in a dry, well-ventilated area, away from direct sunlight and moisture. The handle can be folded for compact storage.

## Troubleshooting

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This section provides solutions to common issues you might encounter.

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem                       | Possible Cause   | Solution   |
|-------------------------------|--|--|
| Mower does not start.         | No power supply; safety switch not engaged; motor overload.    | Check power connection and outlet. Ensure safety button and bail lever are fully engaged. Allow motor to cool if overloaded. |
| Poor cutting performance.     | Dull or damaged blade; cutting height too low; grass box full. | Inspect and sharpen/replace blade. Adjust cutting height higher. Empty grass box.  |
| Excessive vibration.          | Damaged or unbalanced blade; loose components.                 | Check blade for damage and balance. Tighten all fasteners. If vibration persists, seek professional service.                 |
| Motor stops during operation. | Overload protection activated; power interruption.             | Reduce load (raise cutting height). Check power cord for damage. Allow motor to cool.  |

## Specifications

Key technical specifications for the BLACK+DECKER BEMW451-QS Electric Lawn Mower.

| Feature               | Detail                                 |
|-----------------------|--|
| Brand                 | BLACK+DECKER                           |
| Model Number          | BEMW451                                |
| Power Source          | Wired Electric (1200W Universal Motor) |
| Cutting Width         | 32 cm (12.6 inches)                    |
| Cutting Heights       | 3 positions (23 mm, 43 mm, 63 mm)      |
| Recommended Lawn Size | Up to 300 m <sup>2</sup>               |
| Weight                | 7.5 Kilograms (16.5 pounds)            |
| Material              | Plastic                                |
| Color                 | Orange                                 |

## Warranty and Support

BLACK+DECKER products are manufactured to high quality standards and are guaranteed for professional and home use.

For detailed warranty information, please refer to the warranty card included with your product or visit the official BLACK+DECKER website.

For technical support, spare parts, or service inquiries, please contact BLACK+DECKER customer service or visit their official store page: [BLACK+DECKER Store on Amazon](#).



