

[Manuals.plus](#) /

> [BLACK+DECKER](#) /

> BLACK+DECKER BESTA512CM 12-inch 3-in-1 Compact Electric Lawn Mower Instruction Manual

## BLACK+DECKER BESTA512CM

# BLACK+DECKER BESTA512CM 12-inch 3-in-1 Compact Electric Lawn Mower

## INSTRUCTION MANUAL

### Important Safety Instructions

Read and understand all instructions before using this appliance. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury. Save these instructions for future reference.

- **Personal Safety:** Always wear eye protection, long pants, and sturdy footwear when operating the tool. Keep children, bystanders, and pets at a safe distance (at least 50 feet/15 meters) from the operating area.
- **Electrical Safety:** Use only with a properly rated extension cord suitable for outdoor use. Ensure the cord is in good condition and avoid cutting or damaging it. Disconnect the tool from the power supply before making any adjustments, cleaning, or when not in use.
- **Work Area Safety:** Do not operate in wet conditions. Clear the work area of objects such as rocks, broken glass, nails, wire, or string that can be thrown or become entangled in the cutting line.
- **Operation:** Do not overreach. Maintain proper footing and balance at all times. Do not operate the tool if you are tired, ill, or under the influence of drugs or alcohol.
- **Maintenance:** Keep all guards and safety devices in place and in working order. Replace worn or damaged parts with genuine BLACK+DECKER replacement parts.

### Product Overview

The BLACK+DECKER BESTA512CM is a versatile 3-in-1 electric tool designed for lawn care. It functions as a compact lawn mower, a string trimmer, and an edger, providing flexibility for various yard maintenance tasks. Its corded electric design ensures consistent power for effective performance.







Figure 1: The BLACK+DECKER BESTA512CM 3-in-1 Compact Electric Lawn Mower in its assembled form, ready for use.

## Package Contents

Verify that all items listed below are present in your package:

- (1) BESTA512 String Trimmer
- (1) MTD100 Detachable Mower Deck
- (1) AF-100 Spool (pre-installed or separate)
- (1) Auxiliary Handle
- (1) Guard
- Instruction Manual

## Assembly

Follow these steps to assemble your 3-in-1 lawn care tool:

1. **Attach the Auxiliary Handle:** Slide the auxiliary handle onto the main shaft and secure it at a comfortable position using the provided fasteners.
2. **Install the Guard:** Position the guard over the cutting head and fasten it securely with the screws or clips provided. Ensure it is firmly in place before operation.
3. **Connect to Mower Deck:** Align the string trimmer with the MTD100 mower deck. Slide the trimmer into the deck until it clicks securely into place. Ensure the connection is firm and stable.



Figure 2: Illustrates the assembly process, showing the string trimmer component being attached to the mower deck.

## Setup

Before operating, ensure the tool is properly set up for your task:

1. **Adjust Handle Height:** Loosen the adjustment collar on the main shaft and extend or retract the shaft to a comfortable operating height. Tighten the collar firmly.
2. **Adjust Cutting Height (Mower Mode):** The mower deck offers fixed cutting heights of 1.6 inches and 2.4 inches. Ensure the trimmer is correctly seated in the deck for the desired height.
3. **Cord Management:** Use the cord retention system to prevent accidental disconnection of the extension cord during operation.



Figure 3: A user demonstrating the tool's use in edging mode, highlighting proper posture and handling.

## Operating Instructions

Always wear appropriate safety gear, including eye protection, before starting the tool.

### Mowing

- Ensure the trimmer is securely attached to the mower deck.

- Plug the tool into a suitable extension cord.
- Start the tool and push it forward in overlapping rows, similar to a traditional lawn mower.
- Avoid cutting wet grass, as this can clog the tool and reduce efficiency.



Figure 4: A user demonstrating the tool in mowing configuration, cutting grass on a residential lawn.

## Trimming

- Detach the trimmer from the mower deck.
- Hold the trimmer with both hands, ensuring a firm grip.
- Swing the trimmer from side to side, keeping the cutting line parallel to the ground.
- The Automatic Feed Spool (AFS) will automatically feed line as needed.

### Edging

- Detach the trimmer from the mower deck.
- Rotate the trimmer head 90 degrees for edging.
- Guide the cutting line along the edge of sidewalks, driveways, or flower beds.
- Maintain a steady pace for a clean, even edge.

## Maintenance

Regular maintenance ensures optimal performance and extends the life of your tool. Always disconnect the power supply before performing any maintenance.

### Cleaning

- After each use, clean the tool with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Remove any grass clippings or debris from the cutting head, guard, and mower deck.
- Ensure ventilation openings are clear of obstructions.

### Replacing Trimmer Line

- The tool uses an Automatic Feed Spool (AFS) system. When the line runs out, replace the AF-100 spool with a genuine BLACK+DECKER replacement spool.
- Refer to the diagrams in the full manual for specific instructions on spool replacement.

### Storage

- Store the tool in a dry, secure location out of reach of children.
- If storing for an extended period, ensure the tool is clean and free of debris.

## Troubleshooting

If you encounter issues, refer to the table below for common problems and solutions:

Problem	Possible Cause	Solution
Tool does not start	No power supply; Faulty extension cord; Trigger not fully depressed	Check power connection; Test extension cord; Ensure trigger is fully engaged
Poor cutting performance	Worn trimmer line; Clogged cutting head; Cutting wet or very tall grass	Replace trimmer line; Clean cutting head; Cut dry grass in smaller passes
Trimmer line not feeding	Spool empty; Line tangled; Line fused to spool	Replace spool; Untangle line; Unwind and rewind line if fused

## Specifications

Key technical specifications for the BLACK+DECKER BESTA512CM:

Product Specs			
AMPS	6.5 Amps	USES	<ul style="list-style-type: none"> <li>• Great for inclines or areas difficult to mow with standard mowers</li> </ul>
CUTTING HEIGHTS	1.6 in./2.4 in.		
CUTTING PATH	12 in		<ul style="list-style-type: none"> <li>• Trims grass in hard-to-reach areas where mowers cannot cut</li> </ul>
FEED TYPE	AFS* - Automatic Feed Spool		<ul style="list-style-type: none"> <li>• Edging along borders, sidewalks, and flower beds</li> </ul>
LINE DIAMETER	.065 in		<ul style="list-style-type: none"> <li>• Ideal for smaller yards</li> </ul>
POWER SOURCE	Corded Electric		
RPM	8000 rpm		
WEIGHT	9.9 lbs	INCLUDES	<ul style="list-style-type: none"> <li>• (1) BESTA512 String Trimmer</li> <li>• (1) MTD100 Detachable Mower Deck</li> <li>• (1) AF-100 Spool</li> <li>• (1) Auxiliary Handle</li> <li>• (1) Guard</li> </ul>

Figure 5: Detailed product specifications, including power, cutting dimensions, and weight.

Feature	Specification
Brand	BLACK+DECKER
Model Number	BESTA512CM
Power Source	Corded Electric
Amperage	6.5 Amps
Cutting Width	12 Inches
Cutting Heights	1.6 inch / 2.4 inch
Feed Type	Automatic Feed Spool (AFS)
Line Diameter	.065 inches
RPM	8000 rpm
Item Weight	1 Pounds (Note: Product specs image indicates 9.9 lbs, please verify actual weight)

## Warranty and Support

This BLACK+DECKER product is covered by a 90-day limited warranty. This warranty covers defects in material or workmanship for the specified period from the date of purchase.

For warranty claims, technical assistance, or to order replacement parts, please contact BLACK+DECKER customer support. Keep your proof of purchase for warranty validation.

For the most up-to-date contact information, please visit the official BLACK+DECKER website or refer to the contact details provided on the product packaging.

