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› BLACK+DECKER 20V MAX 2-Speed String Trimmer/Edger with Lawn Mower Removable Deck (LST522 & MTD100) User Manual

BLACK+DECKER LST522 & MTD100

BLACK+DECKER 20V MAX 2-Speed String Trimmer/Edger with Lawn Mower Removable Deck

Model: LST522 & MTD100

1. IMPORTANT SAFETY INSTRUCTIONS

Read all instructions carefully before operating this product. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- Always wear eye protection when operating power tools.
- Keep children and bystanders away while operating the tool.
- Do not operate in wet conditions.
- Ensure the battery is fully charged before use.
- Disconnect the battery pack before making any adjustments, changing accessories, or storing the tool.
- Use only BLACK+DECKER recommended replacement parts and accessories.

2. PRODUCT OVERVIEW

The BLACK+DECKER 20V MAX String Trimmer/Edger with Removable Mower Deck is a versatile 3-in-1 tool designed for trimming, edging, and light mowing tasks. It features a 2-speed control for various applications.



Image 2.1: The BLACK+DECKER 20V MAX String Trimmer (left) and the Removable Mower Deck (right).

Components Included:

- 20V MAX String Trimmer/Edger (LST522)
- Removable Mower Deck (MTD100)
- 20V MAX Lithium Ion Battery
- Battery Charger
- Guard
- Auxiliary Handle

3. SETUP AND ASSEMBLY

3.1 Attaching the Guard

1. Align the guard with the slots on the trimmer head.
2. Push the guard firmly until it clicks into place. Ensure it is securely fastened.

3.2 Attaching the Auxiliary Handle

1. Slide the auxiliary handle onto the trimmer shaft.
2. Adjust the handle to a comfortable operating position.
3. Tighten the handle securely using the provided knob or lever.

3.3 Charging the Battery

The 20V MAX Lithium Ion battery powers the tool. It is recommended to fully charge the battery before first use.



Image 3.1: The BLACK+DECKER 20V MAX Lithium Ion battery system, indicating compatibility across tools.

1. Insert the battery pack into the charger.
2. Plug the charger into a standard electrical outlet.
3. The indicator light on the charger will show the charging status. Refer to the charger manual for specific light patterns.
4. Once fully charged, remove the battery from the charger.

3.4 Attaching/Detaching the Mower Deck

To convert the trimmer into a mower, attach the mower deck:

1. Ensure the trimmer is off and the battery is removed.
2. Align the trimmer head with the opening in the mower deck.
3. Push the trimmer firmly into the deck until it locks into place.
4. To detach, press the release button (if applicable) and pull the trimmer out of the deck.

4. OPERATING INSTRUCTIONS

4.1 Trimmer Mode

- Insert a charged battery into the trimmer.
- Select the desired speed setting (Speed 1 for lighter tasks, Speed 2 for tougher growth).
- Press the trigger to start the trimmer.
- Hold the trimmer at a slight angle, sweeping it from side to side for effective trimming.

4.2 Edger Mode

- Ensure the trimmer is in trimmer mode and the battery is inserted.
- Rotate the trimmer head 90 degrees to position the wheel for edging.
- Guide the wheel along the edge of the pavement or garden bed for a clean edge.

4.3 Mower Mode

- Attach the trimmer to the mower deck as described in Section 3.4.
- Adjust the cutting height using the deck's height adjustment mechanism. The product features 2 height adjustment settings.
- Push the unit like a traditional lawn mower over areas requiring light mowing.

4.4 Automatic Line Feed

This trimmer features an automatic line feed system. The line will advance automatically as it wears down. If the line does not advance, briefly tap the trimmer head on a hard surface while operating to manually advance the line.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your tool.

5.1 Cleaning

- Always remove the battery before cleaning.
- Wipe the tool with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Clear any grass clippings or debris from the guard and motor vents.

5.2 Replacing the String Line

When the string line runs out, it needs to be replaced. Use only BLACK+DECKER recommended replacement spools (e.g., AF-100).

1. Remove the battery.
2. Press the tabs on the spool cap and remove the cap and empty spool.
3. Insert a new pre-wound spool, ensuring the line is threaded through the eyelet.
4. Replace the spool cap, ensuring it clicks securely into place.

5.3 Battery Care and Storage

- Store batteries in a cool, dry place away from direct sunlight.
- Do not store batteries in a discharged state for extended periods.
- Charge batteries fully before long-term storage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start	Battery not inserted correctly or discharged.	Ensure battery is fully inserted. Charge battery.
Line does not feed	Spool empty, line tangled, or debris in head.	Replace spool. Untangle line. Clear debris. Briefly tap head on ground while running.
Poor cutting performance	Worn line, incorrect speed, or cutting too much at once.	Advance or replace line. Use Speed 2 for tougher growth. Take smaller passes.
Motor stops during operation	Overload protection activated or battery discharged.	Reduce load. Allow motor to cool. Charge battery.

7. SPECIFICATIONS

Brand: BLACK+DECKER
Model Numbers: LST522 (Trimmer/Edger), MTD100 (Mower Deck)
Power Source: 20V MAX Lithium Ion Battery
Cutting Width: 12 Inches

Speed Settings: 2-Speed Control

Mower Deck Height Adjustment: 2 Positions

Line Diameter: 0.065 inches (recommended)

8. WARRANTY INFORMATION

BLACK+DECKER offers a limited warranty on this product. For specific warranty terms, conditions, and registration, please refer to the warranty card included with your purchase or visit the official BLACK+DECKER website. Keep your proof of purchase for warranty claims.

9. CUSTOMER SUPPORT

For technical assistance, replacement parts, or service inquiries, please contact BLACK+DECKER customer support.

Website: www.blackanddecker.com

Phone: Refer to your product documentation for regional contact numbers.

When contacting support, please have your model number (LST522 & MTD100) and serial number (if applicable) ready.