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BLACK+DECKER MTC220

BLACK+DECKER MTC220 3-in-1 Cordless String Trimmer, Lawn Mower, and Edger Instruction Manual

1. INTRODUCTION

Thank you for choosing the BLACK+DECKER MTC220 3-in-1 Cordless String Trimmer, Lawn Mower, and Edger. This versatile tool is designed to simplify your lawn care tasks by combining three essential functions into one convenient unit. This manual provides detailed instructions for safe assembly, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your product.

2. IMPORTANT SAFETY GUIDELINES

WARNING: Read all safety warnings and all instructions before operating this product. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- Always wear appropriate protective gear, including sturdy shoes, long pants, and eye protection, when operating the tool.
- Keep children and pets away from the mowing area.
- Avoid pulling the mower backward unless absolutely necessary. If you must pull the mower backward, look down and behind before and while moving backward.
- Ensure the area is clear of debris, rocks, and other objects that could be thrown by the cutting line.
- Do not operate the tool in wet grass or rain.
- Always remove the battery when cleaning, performing maintenance, or when the tool is not in use.

3. PRODUCT COMPONENTS

The BLACK+DECKER MTC220 includes the following components:

- (1) LST220 String Trimmer
- (1) MTD100 Detachable Mower Deck
- (2) LBXR2020 - 20V MAX* Lithium Ion Batteries
- (1) AF-100 Spool

- (1) Auxiliary Handle
- (1) Guard

4. ASSEMBLY

Your BLACK+DECKER MTC220 requires some assembly before first use. Follow these steps:

1. **Attach the Guard:** Secure the guard to the string trimmer head using the provided fasteners. Ensure it is firmly in place to protect against debris.
2. **Install the Auxiliary Handle:** Slide the auxiliary handle onto the trimmer shaft and adjust it to a comfortable working position. Tighten securely.
3. **Charge Batteries:** Fully charge both LBXR2020 Lithium Ion batteries using the provided charger before initial use. Refer to the charger's instructions for proper charging procedures.
4. **Attach Trimmer to Mower Deck (for mowing):** Align the string trimmer with the mower deck. Push the trimmer down until it clicks securely into place. Ensure the orange tab on the mower deck locks the trimmer.



Figure 1: BLACK+DECKER MTC220 in mower configuration.

5. OPERATING INSTRUCTIONS

The MTC220 offers three distinct operating modes: mowing, trimming, and edging.

5.1. Mowing Mode

For mowing, ensure the string trimmer is securely attached to the MTD100 mower deck. The mower deck features adjustable cutting heights from 1.6 to 2.4 inches. Adjust the height as needed for your lawn conditions.

1. Insert a charged battery into the trimmer.

2. Hold the trimmer handle firmly and press the safety button, then squeeze the trigger to start the motor.
3. Push the mower across your lawn in overlapping passes. The POWERDRIVE™ transmission helps power through heavy overgrowth.



Figure 2: Operating the MTC220 as a lawn mower.

5.2. Trimming Mode

To use as a string trimmer, detach the trimmer from the mower deck:

1. Place your foot on the orange lever on the mower deck.
2. Pull the trimmer handle upwards and forward to release it from the deck.

3. Insert a charged battery. Press the safety button and squeeze the trigger.
4. Trim around obstacles, fences, and garden beds. The AFS automatic feed system ensures continuous work without manual bumping.



Figure 3: Operating the MTC220 as a string trimmer.

5.3. Edging Mode

For edging, convert the trimmer head:

1. With the trimmer detached from the mower deck, rotate the trimmer head 180 degrees to position it for edging.
2. Insert a charged battery. Press the safety button and squeeze the trigger.
3. Guide the edger along sidewalks, driveways, and flower beds for a clean, defined edge.



Figure 4: Operating the MTC220 as an edger.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your 3-in-1 tool.

6.1. Cleaning

- After each use, remove the battery and clean the tool.
- Detach the trimmer from the mower deck.
- Use a stiff brush or cloth to remove grass clippings and debris from the trimmer head, guard, and mower deck.
- For stubborn grass, you may carefully wash the mower deck with a hose, ensuring no water enters the motor housing of the trimmer.

6.2. Line Replacement

The trimmer uses an AF-100 spool. When the cutting line runs out, replace the spool following these steps:

1. Remove the battery from the trimmer.
2. Press the tabs on the spool cap and remove the cap.
3. Remove the empty spool.

4. Insert a new AF-100 spool, ensuring the line is threaded through the eyelet.
5. Replace the spool cap, ensuring it clicks into place.

6.3. Battery Care

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not store batteries in the tool when not in use.
- Charge batteries fully before storing for extended periods.

7. TROUBLESHOOTING

If you encounter issues with your BLACK+DECKER MTC220, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly inserted.	Ensure battery is fully charged and correctly inserted until it clicks.
Cutting line does not feed	Spool is empty or line is tangled.	Replace the spool or untangle the line. Ensure AFS system is clear.
Motor bogs down or stops	Cutting too much grass at once; grass is too wet or thick.	Reduce cutting load by taking smaller passes. Avoid cutting wet or excessively thick grass. Clean any clogged grass from the deck.
Uneven cut in mowing mode	Mower deck height is unevenly set.	Ensure all wheels are set to the same cutting height.

8. SPECIFICATIONS

Feature	Detail
Brand	BLACK+DECKER
Model Number	MTC220
Power Source	Battery Powered (20V Lithium Ion)
Material	Alloy Steel
Item Weight	9.9 Pounds
Cutting Width	12 Inches
Cutting Heights	1.6 - 2.4 Inches
Operation Mode	Automatic
Product Dimensions	40.5"D x 15.25"W x 7.38"H
Assembly Required	Yes

Feature	Detail
Included Batteries	2 Lithium Ion batteries (LBXR2020)
Charge Time (60%)	2.5 Hours

9. WARRANTY AND SUPPORT

9.1. Warranty Information

The BLACK+DECKER MTC220 is covered by a **2-year limited warranty**. This warranty covers defects in material or workmanship. Please retain your proof of purchase for warranty claims.

9.2. Customer Support

For technical assistance, warranty claims, or to purchase replacement parts, please contact BLACK+DECKER customer support through their official website or the contact information provided in your product packaging.