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> [Litheli U20GT00-0K220 Cordless Brush Cutter User Manual](#)

## Litheli U20GT00-0K220

# Litheli U20GT00-0K220 Cordless Brush Cutter User Manual

Model: U20GT00-0K220

## 1. IMPORTANT SAFETY INSTRUCTIONS

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

- **Work Area Safety:** Keep the work area clean and well-lit. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection and hearing protection. Dress properly; do not wear loose clothing or jewelry. Keep hair, clothing, and gloves away from moving parts.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- **Battery Pack Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs.
- **Starting Safety:** The cordless brush cutter is equipped with two safety locks to prevent accidental starting. Press the safety button and the trigger simultaneously to start the tool.

## 2. PRODUCT OVERVIEW

The Litheli U20GT00-0K220 is a versatile 2-in-1 cordless brush cutter designed for efficient lawn and garden maintenance. It features a powerful brushless motor and operates on a 2x20V battery system.

### Key Features:

- **2-in-1 Functionality:** Easily converts between a string trimmer and an edger for versatile use.

- **Brushless Motor:** Provides extended lifespan and increased performance compared to traditional brushed motors.
- **Dual Speed Settings:** Adjustable speeds of 5000 RPM and 6000 RPM for different cutting needs.
- **Bump Feed System:** Allows for quick and easy line advancement by tapping the trimmer head on the ground.
- **Ergonomic Design:** Features an adjustable auxiliary handle and a foldable handle for comfortable operation, storage, and transport.
- **Battery Compatibility:** Uses Litheli U20 series 20V 2.0Ah batteries, which can also function as a power bank for mobile devices.



Figure 2.1: The Litheli Cordless Brush Cutter, including the main unit, two 20V 2.0Ah batteries, and charging cables.

### 3. ASSEMBLY AND SETUP

Assembly is required before first use. Follow these steps to prepare your brush cutter for operation.

1. **Attach the Auxiliary Handle:** Secure the auxiliary handle to the main shaft. Ensure it is positioned comfortably

for your height and reach.

2. **Install the Guard:** Attach the safety guard over the cutting head. This guard protects against debris during operation.
3. **Insert Batteries:** Ensure both 20V 2.0Ah batteries are fully charged. Insert them into the designated battery compartments until they click into place.



Figure 3.1: The 2-in-1 function of the brush cutter, demonstrating its use as a lawn mower (trimmer) and a lawn edger.

## 4. OPERATING INSTRUCTIONS

### 4.1 Starting and Stopping

- To start the brush cutter, press the safety lock button and then squeeze the trigger simultaneously.
- To stop the brush cutter, release the trigger.

## 4.2 Adjusting Speed

The tool offers two adjustable speeds: 5000 RPM and 6000 RPM. Use the speed selector switch on the handle to choose the appropriate speed for the task. Lower speeds are suitable for lighter trimming, while higher speeds are for denser vegetation.



Figure 4.1: Illustration of the two adjustable speed settings, 5000 RPM and 6000 RPM, available on the brush cutter.

## 4.3 Advancing the Cutting Line

The brush cutter uses a bump feed system to advance the cutting line.

- While the tool is running, gently tap the trimmer head on a firm surface (e.g., the ground).
- This action will release approximately 2 mm of new cutting line.
- The line limiter blade on the guard will automatically cut the line to the correct length.

# KNOCK ON THE FLOOR

TO OBTAIN A NEW  
2 MM CUTTING LINE

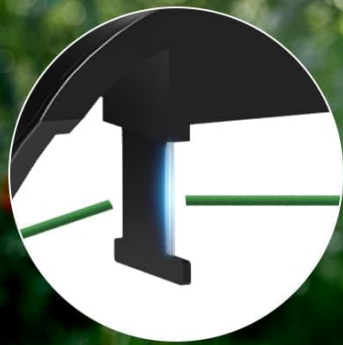


Figure 4.2: Visual guide on using the bump feed system to obtain a new 2 mm cutting line by tapping the trimmer head on the ground.

## 4.4 Cutting Techniques

- **Trimming:** Hold the tool at a slight angle to the ground and swing it from side to side, cutting with the tip of the line.
- **Edging:** Rotate the head to the vertical position. Walk along the edge of the lawn, guiding the line along the desired edge.



Figure 4.3: The cutting head illustrating the 35 cm cutting diameter for efficient operation.

## 5. MAINTENANCE

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

- **Cleaning:** After each use, clean the tool with a dry cloth. Remove any grass clippings or debris from the cutting head and guard.
- **Line Replacement:** When the cutting line runs out, replace the spool with a new 2 mm diameter line. Refer to the product manual for specific instructions on spool replacement.
- **Battery Care:** Store batteries in a cool, dry place. Do not store fully discharged batteries for extended periods.
- **Storage:** Store the brush cutter in a dry, secure location, out of reach of children. The handle can be folded for compact storage.

# BRUSHLESS MOTOR

Power increase of

**80%**

Lifespan extension of

**100%**



Figure 5.1: The brushless motor, highlighting its internal components, which contributes to the tool's durability and efficiency.

## 6. TROUBLESHOOTING

If you encounter issues with your Litheli brush cutter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tool does not start	Batteries not inserted correctly or discharged; Safety lock not engaged with trigger	Ensure batteries are fully charged and properly seated. Press safety button and trigger simultaneously.
Cutting line does not advance	Line tangled or empty spool; Insufficient bump force	Check and untangle line or replace spool. Tap trimmer head more firmly on the ground while running.

Problem	Possible Cause	Solution
Reduced cutting performance	Dull cutting line; Low battery charge; Incorrect speed setting	Advance new cutting line. Recharge batteries. Select a higher speed setting.
Excessive vibration	Damaged cutting head or line; Loose components	Inspect cutting head and line for damage and replace if necessary. Check all fasteners for tightness.

## 7. SPECIFICATIONS

Detailed technical specifications for the Litheli U20GT00-0K220 Cordless Brush Cutter.

Feature	Specification
Model Number	U20GT00-0K220
Power Source	Battery Powered (2 x 20V Lithium-ion)
Battery Capacity	2.0 Ah (each battery)
Motor Type	Brushless
Cutting Width	35 cm
Speed Settings	5000 RPM / 6000 RPM
Line Diameter	2 mm
Product Dimensions (L x W x H)	98.8 x 17.5 x 12.7 cm
Item Weight	3 Kilograms
Assembly Required	Yes



# 30 MINUTES OF BATTERY LIFE



Two batteries  
20V 2.0AH



CE  
10000mAh



Figure 7.1: The battery system, indicating approximately 30 minutes of continuous operation with two 20V 2.0Ah batteries.

# DUAL PORT USB-A AND USB-C

Charge 2 Devices At Once

**18<sup>MAX</sup>W**  
USB-A

**45<sup>MAX</sup>W**  
USB-C



Figure 7.2: The Litheli battery's additional functionality as a power bank, featuring dual USB-A (18W max) and USB-C (45W max) ports for charging other electronic devices.

## 8. WARRANTY AND SUPPORT

Litheli products are manufactured to high-quality standards. For warranty information, product registration, or

technical support, please refer to the contact information provided with your purchase or visit the official Litheli website.

This product holds multiple certifications including UL/CE/FCC/ETL, ensuring compliance with safety and quality standards.