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Makita XML11CT1

Makita XML11CT1 36V (18V X2) LXT® 21" Self-Propelled Lawn Mower Kit

Model: XML11CT1

Product Overview

The Makita XML11CT1 is a 36V (18V X2) LXT® 21" Self-Propelled Lawn Mower designed for efficient and quiet grass cutting with zero emissions. This kit includes the lawn mower and four 18V LXT® Lithium-Ion 5.0Ah batteries, along with a dual port charger.



Figure 1: Makita XML11CT1 Lawn Mower Kit including the mower, four 18V LXT batteries, and a dual port charger.

Key Features:

- **Cordless Operation:** No gas, emissions, oil mixing, or pull starts, resulting in reduced maintenance and lower noise levels.
- **Powerful Motor:** Delivers 3,000 RPM for faster cutting performance.
- **Extended Run Time:** Provides up to 40 minutes of run time with four LXT 5.0Ah batteries.
- **Self-Propelled:** Features variable speed (1.5 MPH - 3 MPH) for effortless operation.
- **Rear-Wheel Drive:** Enhanced traction and performance on incline slopes and uneven terrain.
- **Durable Design:** Plastic deck for lower weight and easy transport, with Makita® Extreme Protection Technology (XPT™) for improved operation in harsh conditions.
- **3-in-1 Functionality:** Capable of mulching, bagging, or side discharge.

Setup and Assembly

1. Unpacking and Initial Inspection:

Carefully remove all components from the packaging. Verify that all included items are present: lawn mower (XML11Z), four 18V LXT® Lithium-Ion 5.0Ah Batteries (BL1850B), 18V LXT® Lithium-Ion Dual Port Charger (DC18SH), 21" Lawn Mower Blade (191V96-5), Grass Catcher Bag (162A26-7), and Mulching Plug (413945-7).

2. Handle Assembly:

Unfold the handle and secure it in the upright position using the quick-release levers or knobs provided. Ensure the handle is firmly locked to prevent movement during operation.

3. Battery Installation and Charging:

The mower requires two 18V LXT batteries for operation. Lift the battery cover located on top of the mower. Insert two fully charged 18V LXT 5.0Ah batteries into the designated slots. Ensure they click securely into place. The included dual port charger (DC18SH) can charge two batteries simultaneously. Always use genuine Makita batteries and chargers.



Figure 2: The battery compartment of the Makita XML11CT1, designed to hold two 18V LXT batteries for 36V power.

4. Grass Catcher Bag / Mulching Plug Installation:

Depending on your preference, attach the grass catcher bag to the rear discharge opening or insert the mulching plug for mulching operations. Refer to the diagrams in the physical manual for precise attachment instructions.

5. Cutting Height Adjustment:

The cutting height can be adjusted using a single lever that controls all four wheels simultaneously. Select the desired cutting height from the available settings (typically 1-8, as seen in some product visuals) to suit your lawn conditions.



Figure 3: Side view of the mower highlighting the single-lever cutting height adjustment mechanism.

Operating Instructions

1. Starting the Mower:

Ensure the safety key is inserted into its slot in the battery compartment. Press and hold the power button on the handle. While holding the power button, pull the blade control lever towards the handle. The blade will begin to spin, and the mower will be ready for operation.



Figure 4: Close-up of the mower's handle, showing the power button and control levers for starting and self-propulsion.

2. Engaging Self-Propelled Function:

To engage the self-propelled feature, pull the self-propelled drive lever towards the handle. The mower will begin to move forward. The speed can be adjusted using the variable speed control dial on the handle (1.5 MPH - 3 MPH).

3. Mowing Techniques:

- For best results, mow when the grass is dry.
- Overlap cutting paths slightly to ensure even coverage.
- Avoid cutting more than one-third of the grass blade length at a time. If grass is very tall, make multiple passes, gradually lowering the cutting height.
- The rear-wheel drive provides improved traction, especially on inclines.



Figure 5: The Makita XML11CT1 in operation, demonstrating its self-propelled capability on a residential lawn.

4. Stopping the Mower:

Release the blade control lever to stop the blade. To completely power off the mower, release the power button and remove the safety key from the battery compartment.

Maintenance

Regular maintenance ensures optimal performance and extends the life of your Makita lawn mower.

1. Cleaning:

- After each use, disconnect the batteries and remove the safety key.

- Clean the underside of the mower deck to prevent grass buildup, which can affect cutting performance. Use a brush or scraper.
- Wipe down the exterior of the mower with a damp cloth. Do not use high-pressure water or immerse the mower in water.

2. Blade Care:

- Inspect the blade regularly for sharpness and damage. A dull or damaged blade can lead to poor cutting quality and increased battery drain.
- Sharpen or replace the blade as needed. Always use genuine Makita replacement blades (Part Number: 191V96-5).
- When handling the blade, wear heavy-duty gloves to prevent injury.

3. Battery and Charger Care:

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not store batteries in a discharged state for extended periods.
- The Makita 18V LXT Lithium-Ion Batteries feature Star Protection Computer Controls™ for protection against overloading, over-discharging, and overheating.
- Ensure the charger is used in a well-ventilated area.

4. Extreme Protection Technology (XPT™):

The mower features Makita® Extreme Protection Technology (XPT™), a protective seal engineered for improved operation in harsh conditions by channeling water and dust from key internal components. It is IPX4-rated for weather-resistant construction.

Troubleshooting

Problem	Possible Cause	Solution
Mower does not start.	Safety key not inserted or not fully engaged. Batteries not properly installed or discharged. Power button or blade control lever not activated correctly.	Ensure safety key is fully inserted. Check battery installation and charge level; recharge if necessary. Follow starting procedure: press power button, then pull blade control lever.
Reduced run time or power.	Batteries not fully charged. Mowing very tall or wet grass. Dull or damaged blade. Grass buildup under the deck.	Fully charge batteries before use. Avoid mowing excessively tall or wet grass; make multiple passes if necessary. Sharpen or replace the blade. Clean the mower deck.
Uneven cutting.	Dull or damaged blade. Incorrect cutting height setting. Uneven terrain.	Inspect and replace/sharpen blade. Adjust cutting height evenly. Mow carefully over uneven areas.

Problem	Possible Cause	Solution
Mower stalls frequently.	Overload due to thick/tall grass. Battery overheating (Star Protection activated).	Raise cutting height or reduce mowing speed. Allow batteries to cool down before resuming operation.

Specifications

Feature	Detail
Brand	Makita
Model Number	XML11CT1
Power Source	Battery Powered (36V, 18V X2 LXT® Lithium-Ion)
Cutting Width	21 Inches
Operation Mode	Self-Propelled (Variable Speed: 1.5 MPH - 3 MPH)
Product Dimensions (D x W x H)	40.16"D x 24.41"W x 18.74"H
Item Weight	86.8 pounds
Material	Plastic (Deck)
Included Batteries	4 x 18V LXT® Lithium-Ion 5.0Ah (BL1850B)
Included Charger	18V LXT® Lithium-Ion Dual Port Charger (DC18SH)
Country of Origin	China
UPC	088381756839

Warranty and Support

Warranty Information:

The Makita XML11CT1 comes with a **3-year limited warranty** on the tool, battery, and charger. Please retain your proof of purchase for warranty claims.

Customer Support:

For technical assistance, service, or warranty inquiries, please contact Makita Customer Support. Refer to the contact information provided in your product packaging or visit the official Makita website.

Note: Using non-genuine ("knock-off") Makita Lithium-Ion Batteries may cause fires, personal injuries, or property damage and will void the product warranty. Always use authentic Makita products.

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