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› Greenworks 48V (24V x 2) Cordless Brushless Leaf Blower/Vacuum BL48L4420 User Manual

## Greenworks BL48L4420

# Greenworks 48V (24V x 2) Cordless Brushless Leaf Blower/Vacuum

Model: BL48L4420

Brand: Greenworks

## 1. SAFETY INFORMATION

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Read and understand 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.

### 1.1 General Safety Warnings

- **Work Area Safety:** Keep the work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- **Personal Safety:** Always wear eye protection. Use appropriate personal protective equipment such as dust masks, non-skid safety shoes, hard hats, or hearing protection when necessary. Dress properly. Do not wear loose clothing or jewelry. Keep your 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. Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.

## 2. PRODUCT OVERVIEW

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The Greenworks 48V (24V x 2) Cordless Brushless Leaf Blower/Vacuum is a versatile 3-in-1 tool designed for efficient yard debris cleanup. It functions as a blower, vacuum, and mulcher, powered by two 4.0Ah lithium-ion batteries for extended runtime and consistent performance.

## 2.1 Key Features

- **Powerful Performance:** Delivers 520 CFM (Cubic Feet Per Minute) airflow and 240 MPH (Miles Per Hour) air speed for effective clearing of leaves, grass clippings, and debris.
- **Brushless Motor:** Provides higher torque, increased efficiency, longer motor life, and quieter operation compared to brushed motors.
- **Dual Battery System:** Utilizes two 24V 4.0Ah batteries simultaneously for 48V power, ensuring extended runtime. Includes a dual-port rapid charger.
- **3-in-1 Functionality:** Easily converts between blower, vacuum, and mulcher modes without the need for additional tools.
- **Mulching Ratio:** Reduces collected debris at a 12:1 ratio, optimizing bag capacity.
- **Variable Speed & Cruise Control:** Allows for precise control over airflow and sustained operation without holding the trigger.
- **Ergonomic Design:** Features an adjustable auxiliary handle and guide wheels for improved comfort and maneuverability.

## 2.2 Included Components

- Greenworks 48V (24V x 2) Brushless Blower/Vacuum/Mulcher Unit
- (2) 4.0Ah Batteries
- (1) Dual Port Charger
- Blower Tube
- Concentrator Nozzle
- Vacuum Tubes (Upper and Lower)
- Collection Bag
- Auxiliary Handle
- Guide Wheels
- User Manual



Figure 1: Greenworks 48V Blower/Vacuum with labeled components.

## 3. SETUP

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Follow these steps to assemble your Greenworks 48V Blower/Vacuum.

### 3.1 Assembling the Blower

1. **Install the Blower Tube:** Slide the blower tube onto the main unit until the tube release button locks into the slot. Attach the concentrator nozzle to the end of the blower tube by sliding it on until it latches securely.



Figure 2: Blower tube and nozzle assembly.

### 3.2 Assembling the Vacuum/Mulcher

2. **Connect the Mulcher Tube:** Slide the upper and lower vacuum tubes together until the latch engages.
3. **Install the Auxiliary Handle:** Attach the auxiliary handle to the upper vacuum tube and secure it with the knob and bolt. Adjust the handle to a comfortable position, then tighten the knob.
4. **Install the Guide Wheels:** Depress the tabs on the guide wheels and position them along the guide rail on the lower vacuum tube. Loosen the tab on the guide wheel and reposition it at the desired height until it locks into the mounting holes.
5. **Connect the Tube to the Product:** Press the gate-lock release button to unhinge the gate. Insert the latch at the top of the vacuum tube into the wedge at the base of the product. Snap the vacuum tube enclosure shut until you

hear a click from the gate-lock release button.

6. **Install the Collection Bag:** Attach the collection bag inlet to the blower outlet until you hear a click from the tube release button. Hang the collection bag hook to the mounting hole on the lower vacuum tube.



Figure 3: Assembled vacuum/mulcher with collection bag and guide wheels.

### 3.3 Battery Installation

7. **Insert Batteries:** Ensure the tool is off. Align the two 4.0Ah batteries with the battery ports on the tool and slide them in until they click into place.



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Figure 4: Inserting batteries into the tool.

### 3.4 Instructional Video

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Video 1: Official Greenworks video demonstrating the assembly and operation of the 48V (2x24V) 520 CFM Brushless Leaf Blower/Vacuum, including blower and vacuum modes.

## 4. OPERATION

This section details how to operate your Greenworks 48V Blower/Vacuum in its various modes.

### 4.1 Starting and Adjusting Speed (Blower Mode)

1. **Start the Blower:** Ensure batteries are installed. Pull the variable trigger to start the blower.
2. **Adjust Air Speed:** Pull the trigger further to increase air speed. Gently release the trigger to decrease air speed.

3. **Activate Cruise Control:** Rotate the cruise control lever to sustain optimal airflow without continuously holding the trigger.



Figure 5: Operating the blower on a paved surface.

#### 4.2 Activating Vacuum/Mulcher Mode

4. **Switch to Vacuum Mode:** Ensure the vacuum tubes and collection bag are correctly installed. Press the vacuum mode button to activate the vacuum function. The tool will begin to draw in leaves and debris, mulching them before depositing into the collection bag.



Figure 6: Operating the vacuum/mulcher on a lawn.

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Figure 7: Illustration of the mulching process within the vacuum tube.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your tool.

### 5.1 Cleaning

- Always remove batteries before cleaning.
- Clean the tool's exterior with a damp cloth. Do not use strong detergents or solvents.
- Inspect air vents for blockages and clear any debris.
- Empty and clean the collection bag regularly to prevent buildup and maintain vacuum efficiency.

### 5.2 Battery Care and Storage

- 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. Recharge them periodically.
- Use only the Greenworks dual port charger provided with the tool.

## 6. TROUBLESHOOTING

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If you encounter issues with your tool, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Tool does not start	Batteries not inserted correctly or discharged.	Ensure batteries are fully seated and charged.
Reduced airflow/suction	Blower/vacuum tube or collection bag is clogged.	Remove batteries, then clear any blockages from the tubes or empty the collection bag.
Tool stops during operation	Batteries are overheated or discharged.	Allow batteries to cool down before recharging or replace with fully charged batteries.

If the problem persists after attempting these solutions, contact Greenworks customer support.

## 7. SPECIFICATIONS

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Detailed technical specifications for the Greenworks 48V (24V x 2) Cordless Brushless Leaf Blower/Vacuum.

Feature	Specification
Brand	Greenworks
Model Name	Leaf Blower/Vacuum
Model Number	BL48L4420
Power Source	Battery Powered
Voltage	48 Volts (2 x 24V)
Battery Type	Lithium-ion (2 x 4.0Ah included)
Air Flow Capacity	520 Cubic Feet Per Minute (CFM)
Maximum Air Speed	240 Miles per Hour (MPH)
Mulching Ratio	12:1
Noise Level	70.9 Decibels
Item Weight	10.3 Pounds
Item Dimensions (L x W x H)	36.81"L x 9.25"W x 48.31"H
Special Features	Adjustable Speed, Leaf Vacuum, Turbo

## 8. WARRANTY & SUPPORT

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Greenworks provides comprehensive support and warranty coverage for your product.

## 8.1 Warranty Information

- **Tool Warranty:** 3-Year Limited Warranty
- **Battery Warranty:** 3-Year Limited Warranty

For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official Greenworks website.

## 8.2 Customer Support

For technical assistance, troubleshooting, or to inquire about replacement parts, please contact Greenworks customer support.

Visit the Greenworks Store on Amazon for more information and product registration.