

Makita PM001GZ01

Makita PM001GZ01 40V Max XGT Cordless Backpack Sprayer Instruction Manual

Model: PM001GZ01

INTRODUCTION

Thank you for choosing the Makita PM001GZ01 40V Max XGT Cordless Backpack Sprayer. This manual provides important information regarding the safe use, operation, and maintenance of your sprayer. Please read it thoroughly before first use and keep it for future reference.

GENERAL SAFETY INSTRUCTIONS

Always observe the following safety precautions to reduce the risk of personal injury or damage to the tool.

- **Read all instructions:** Familiarize yourself with the controls and proper use of the sprayer.
- **Wear appropriate personal protective equipment (PPE):** This includes eye protection, gloves, and respiratory protection, especially when handling chemicals.
- **Chemical handling:** Always follow the instructions and safety warnings provided by the chemical manufacturer. Do not spray flammable liquids.
- **Battery safety:** Use only Makita XGT 40V Max batteries and chargers. Do not expose batteries to water, heat, or direct sunlight.
- **Keep children and bystanders away:** Do not allow children or untrained persons to operate the sprayer.
- **Maintain a firm footing:** Ensure stable balance when operating the backpack sprayer.
- **Inspect before use:** Check for damaged parts, loose connections, or leaks before each operation.
- **Disconnect battery:** Always remove the battery pack before making adjustments, changing accessories, or storing the sprayer.

PRODUCT OVERVIEW

The Makita PM001GZ01 is a powerful 40V Max XGT cordless backpack sprayer designed for efficient application of liquids. Key components are illustrated below.



Figure 1: Overall view of the Makita PM001GZ01 backpack sprayer, showing the main unit, tank, and spray wand assembly.



Figure 2: Rear view of the sprayer, highlighting the comfortable backpack straps and padded back support for extended use.



Figure 3: Side profile of the sprayer, illustrating the robust frame and the connection point for the spray hose.





Figure 4: Detailed view of the main power unit, featuring the XGT battery system compartment and fan housing.

SETUP

1. Battery Installation

Ensure the sprayer is turned off before installing or removing the battery.

1. Open the battery compartment cover.
2. Align the battery pack with the battery slot and slide it in until it clicks into place.
3. Close the battery compartment cover securely.



Figure 5: Correct method for inserting the 40V Max XGT battery into the designated compartment.



Figure 6: The battery compartment is designed to hold two XGT batteries for extended operation.

2. Hose and Nozzle Assembly

Connect the spray hose and nozzle securely before filling the tank.

- Attach the flexible hose to the main unit's outlet and the spray wand's inlet. Ensure all connections are tight to prevent leaks.
- Secure the spray nozzle to the end of the spray wand.



Figure 7: Detail of the hose connection to the main unit, showing the secure clamp.

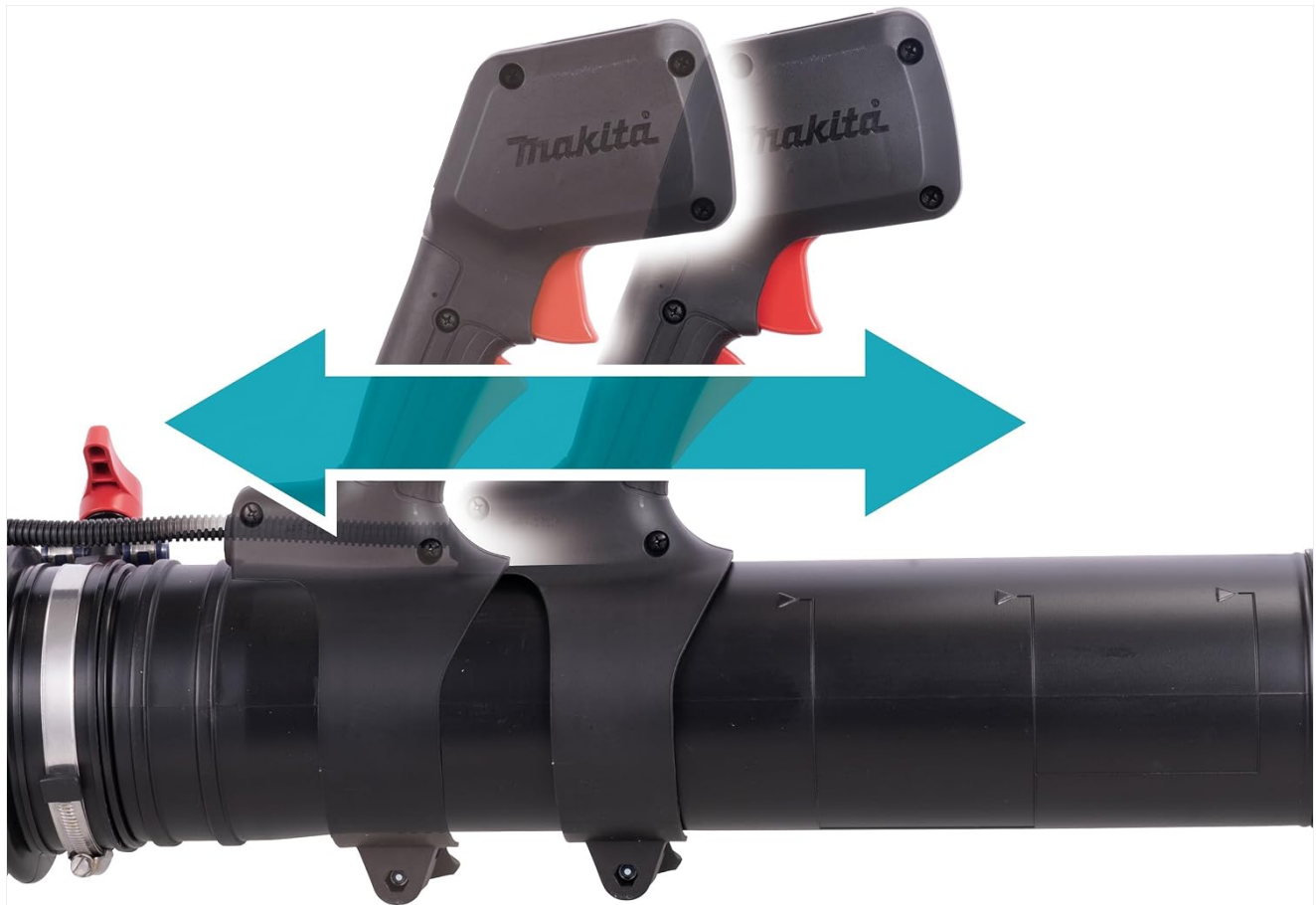


Figure 8: The clear hose connecting to the spray wand, with an inline control valve for liquid flow.

3. Filling the Tank

Always fill the tank with the sprayer on a stable, level surface and the battery removed.

1. Unscrew the tank cap.
2. Carefully pour the desired liquid into the tank, observing maximum fill lines.
3. Securely replace the tank cap.

OPERATION

1. Powering On and Off

The sprayer is controlled via the handle assembly.

- To power on, press the main power button on the control handle.
- To begin spraying, depress the trigger on the handle. Release the trigger to stop spraying.
- To power off, press and hold the main power button until the indicator lights turn off.



Figure 9: The ergonomic control handle features a trigger for spray activation and a power button with LED indicators.

2. Adjusting Spray Settings

The sprayer offers adjustable settings for optimal application.

- **Flow Rate Adjustment:** Use the red rotary knob on the spray wand to adjust the liquid flow rate. Settings typically range from 1 (low) to 4 (high).
- **Nozzle Pattern Adjustment:** Rotate the nozzle head to change the spray pattern from a fine mist to a more concentrated stream.



Figure 10: The red knob on the spray wand allows for precise adjustment of the liquid output volume.



Figure 11: The nozzle can be rotated to select different spray patterns, from a wide mist to a narrow stream.

3. Battery Level Indicator

The control handle features LED indicators to show the remaining battery charge.



Figure 12: Pressing the power button illuminates the LED indicators, showing the current battery charge level.



Figure 13: Three green lights indicate a full or near-full battery charge.

MAINTENANCE

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

- **Cleaning the Tank:** After each use, especially when using chemicals, thoroughly rinse the tank with clean water. Operate the sprayer with clean water to flush the hose and nozzle.
- **Nozzle Cleaning:** If the nozzle becomes clogged, remove it and clean any debris. Use a soft brush or needle if necessary.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store fully discharged batteries for extended periods.
- **General Inspection:** Periodically check all hoses, connections, and the main unit for signs of wear, damage, or leaks. Replace any damaged parts immediately.
- **Storage:** Store the sprayer in a dry, secure location, out of reach of children. Ensure the tank is empty and clean before storage.

TROUBLESHOOTING

Refer to this section for common issues and their solutions.

1. Sprayer Does Not Turn On

- **Check Battery:** Ensure the battery is fully charged and correctly inserted into the compartment.
- **Battery Connection:** Verify that the battery compartment cover is securely closed.
- **Power Button:** Ensure the power button on the control handle is pressed firmly.

2. No Spray or Weak Spray

- **Check Tank Level:** Ensure there is sufficient liquid in the tank.
- **Nozzle Clog:** Inspect the nozzle for any blockages and clean if necessary.
- **Hose Kinks/Blockages:** Check the spray hose for kinks or internal blockages.
- **Flow Rate Setting:** Ensure the flow rate adjustment knob is not set to minimum or off.
- **Battery Charge:** A low battery can result in reduced spray pressure. Recharge or replace the battery.

3. Leaks

- **Connections:** Tighten all hose and nozzle connections.
- **Tank Cap:** Ensure the tank cap is securely fastened.
- **Damaged Components:** Inspect hoses, seals, and the tank for cracks or damage. Replace any compromised parts.

SPECIFICATIONS

Feature	Detail
Model Name	PM001GZ01
Brand	Makita
Power Source	Battery Powered
Voltage	40 Volt (XGT Max)
Form Factor	Backpack
Special Feature	Compact Design
Item Weight	13.8 Kilograms
Color	Black/Petrol (Teal)
Included Components	1 x Makita PM001GZ01 (Battery and Charger not included)
Country of Origin	China

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official Makita website or contact your local Makita authorized service center. Keep your purchase receipt as proof of purchase for warranty claims.

Online Resources: www.makita.com

