Makita US053DZ

Makita US053DZ 12V Max Li-ion CXT 5 Litre Garden Sprayer Instruction Manual

Model: US053DZ | Brand: Makita

Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita US053DZ 12V Max Li-ion CXT 5 Litre Garden Sprayer. Please read this manual thoroughly before first use and keep it for future reference. This cordless garden sprayer is designed for applying water and various pesticides, offering convenience and portability for garden care.



Figure 1: The Makita US053DZ 5 Litre Garden Sprayer with its telescopic spray wand and hose.

Safety Information

Always observe the following safety precautions to prevent injury and damage to the product.

- Read all instructions before operating the sprayer.
- Wear appropriate personal protective equipment (PPE) such as gloves, eye protection, and a mask when handling chemicals.
- Do not spray flammable liquids, strong acids, or corrosive substances.
- Ensure the battery is removed from the sprayer before filling, cleaning, or performing any maintenance.
- Keep the sprayer and chemicals out of reach of children and pets.

- Do not spray liquid directly onto the unit or electrical components.



Figure 2: Side view of the sprayer showing important warning labels.

Components Overview

Familiarize yourself with the main components of your Makita Garden Sprayer:

- **Tank:** 5-litre capacity for liquid solutions.
- **Battery Compartment:** Located at the top, designed for 12V Max Li-ion CXT slide type batteries.
- **Telescopic Spray Wand:** Adjustable length from 0.5 to 0.7 meters for extended reach.
- **Spray Nozzle:** Features selectable single/double head spraying and rotatable H-shaped nozzle.
- **Hose:** 1.7-meter hose connecting the tank to the spray wand.

- **Paddle Switch:** Located under the grip of the spray wand for easy on/off control and continuous spraying.
- **Fuel Gauge:** 3 LED indicator for battery charge level.



Front View



Side View



Back View

Setup

Battery Installation

1. Ensure the sprayer is turned off.
2. Open the battery compartment cover located on top of the unit.
3. Align the 12V Max Li-ion CXT slide type battery (not included) with the battery slot and slide it in until it

clicks into place.

4. Close the battery compartment cover securely.



Figure 3: Open battery compartment for battery insertion.

Filling the Tank

1. Remove the battery before filling.
2. Unscrew the tank cap and remove it.
3. Carefully pour the desired liquid (water or pesticide solution) into the 5-litre tank. Do not overfill.
4. Securely replace the tank cap, ensuring a tight seal to prevent leaks.



Figure 4: Filling the sprayer tank, showing the measuring cup.

Assembling the Spray Wand

1. Connect the hose from the sprayer unit to the spray wand handle. Ensure it is securely fastened.
2. To adjust the telescopic spray wand length (0.5m to 0.7m), loosen the locking nut on the wand, extend or retract to the desired length, and then tighten the locking nut firmly.

Operating Instructions

Powering On/Off

- To start spraying, press the paddle switch located under the grip of the spray wand.
- For continuous spraying, engage the lock-on function on the paddle switch.
- To stop spraying, release the paddle switch or disengage the lock-on function.

Selecting Spray Modes (Mist/Stream)

The sprayer offers two selectable modes for different applications:

- **Mist Mode:** Ideal for optimal spraying close to plants, providing a fine, even coverage.
- **Stream Mode:** Suitable for optimal watering and fertilizing plants, delivering a more direct and concentrated flow.
- Refer to the nozzle head for instructions on how to switch between mist and stream modes.

Single/Double Head Spraying

The H-shaped double head rotatable nozzle allows for selectable single or double head spraying:

- **Single Head:** For precise application.
- **Double Head:** To enable a wider spraying area, increasing efficiency for larger tasks.
- Rotate the nozzle head to switch between single and double spray patterns.

Battery Fuel Gauge

The 3 LED fuel gauge indicates the remaining battery charge. Check the gauge periodically to ensure sufficient power for your task.



Figure 5: Operating the Makita US053DZ sprayer in a garden setting.

Maintenance

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

- **Cleaning the Tank:** After each use, especially when using chemicals, rinse the tank thoroughly with clean water.
- **Cleaning the Nozzle and Wand:** Spray clean water through the nozzle and wand to clear any residue. If the nozzle becomes clogged, carefully remove and clean it.
- **Storage:** Store the sprayer in a cool, dry place, away from direct sunlight and freezing temperatures. Ensure the tank is empty and clean before storage. Remove the battery if storing for extended periods.
- **Inspection:** Periodically inspect the hose, connections, and wand for any signs of wear, cracks, or damage. Replace damaged parts immediately.

Troubleshooting

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
Sprayer does not turn on.	Battery not inserted correctly or discharged.	Ensure battery is fully charged and properly inserted.
Weak or no spray.	Clogged nozzle, low liquid level, or air in the system.	Clean the nozzle. Refill the tank. Prime the pump by spraying until consistent flow.
Liquid leaking from connections.	Loose connections or damaged seals.	Tighten all connections. Inspect and replace any worn or damaged O-rings/seals.
Inconsistent spray pattern.	Partially clogged nozzle or incorrect nozzle setting.	Clean the nozzle thoroughly. Adjust the nozzle to the desired spray mode (mist/stream, single/double).

Specifications

Feature	Specification
Brand	Makita
Model Name	US053DZ
Tank Volume	5 Liters
Power Source	Battery Powered (12V Max Li-ion CXT)
Hose Length	1.7 Meters
Telescopic Wand Length	0.5 to 0.7 Meters (adjustable)
Item Weight	4.73 Kilograms (10.41 pounds)
IP Rating	IP54 (Dust and Shower Proof)
Nozzle Mounting Thread	G ¼

Warranty and Support

Your Makita US053DZ Garden Sprayer comes with a 1-year manufacturer warranty. This warranty can be extended by a further 2 years when registered within 30 days of purchase. Please note that this guarantee does not apply where non-genuine or recommended parts or accessories are fitted to the tool. The use of non-genuine or compatible batteries and chargers with Makita tools will invalidate the Makita guarantee for our tools.

For further support, product information, or to register your product, please visit the official Makita Store: Makita Official Store.

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