etoolab ETB013

ETOOLAB ETB013 Cordless HVLP Paint Sprayer User Manual

Model: ETB013

1. Introduction

This manual provides essential instructions for the safe and efficient operation, maintenance, and care of your ETOOLAB ETB013 Cordless HVLP Paint Sprayer. Please read thoroughly before first use to ensure optimal performance and safety.

2. Safety Information

Important Safety Precautions:

- Do not spray towards face or eyes.
- Use in a well-ventilated area.
- Do not ingest paint or cleaning solutions.
- Always wear appropriate personal protective equipment (PPE), including eye protection, gloves, and a respirator, when operating the paint sprayer.
- Ensure the work area is free from ignition sources as paint fumes can be flammable.
- Keep children and pets away from the work area.
- Disconnect the battery pack before cleaning or performing any maintenance.

3. Package Contents

Verify that all items are present in your package:

- 1 x Brushless Motor Gun
- 1 x 3.0Ah Battery Pack
- 1 x 1400ml Paint Container
- 1 x 2.2A Fast Charger
- 4 x Copper Nozzles (1.0mm, 1.5mm, 2.0mm, 3.0mm)
- 1 x Funnel

- 1 x Cleaning Brush
- 1 x Cleaning Needle
- 5 x Paint Filter Papers
- 1 pair of Gloves
- 1 x User Manual



Image: All components included in the ETOOLAB ETB013 Cordless HVLP Paint Sprayer package, laid out on a white surface. These include the main sprayer unit, battery, charger, paint container, various nozzles, cleaning tools, funnel, filter papers, and gloves.

4. Product Overview

4.1 Key Features

- **Cordless Design:** Offers freedom of movement without power cords.
- **Brushless Motor:** Provides smoother operation, higher spraying efficiency, longer motor life, and reduced noise/vibration.
- **Adjustable Spray Modes:** Three patterns (horizontal, vertical, circular) and four nozzle sizes (1.0mm, 1.5mm, 2.0mm, 3.0mm) for versatile application.
- **Viscosity Compatibility:** Handles most paints with viscosity up to 120 DIN/S, including latex and water-based paints.
- **Anti-Backflow System:** Prevents paint backflow, especially when spraying overhead.
- **Large Capacity Container:** 1400ml paint container reduces the need for frequent refills.
- **Fast Charging Battery:** 20V 3.0Ah Makita-compatible battery with 90-minute fast charge, providing 25-35 minutes of continuous use.



Image: The ETOOLAB ETB013 Cordless HVLP Paint Sprayer, featuring a green and black body with a white paint container attached. The image highlights the overall design and primary components.



Image: A detailed diagram illustrating the internal structure of the brushless copper core motor, emphasizing its efficiency and durability with no sparks and long service life.

Image: A close-up of the 20V 3.0Ah Lithium-Ion battery pack, highlighting its compatibility and high-energy capacity for extended use.



Image: A visual guide demonstrating the three adjustable spray patterns (circular, horizontal, vertical) and the four different nozzle sizes (1.0mm, 1.5mm, 2.0mm, 3.0mm) for varied applications.

5. Setup

5.1 Charging the Battery

1. Ensure the battery pack is fully charged before first use. The battery is shipped with approximately 50% charge.
2. Connect the 2.2A fast charger to a power outlet and then to the battery pack.

3. A full charge takes approximately 90 minutes.
4. Allow the battery pack to cool for ten minutes after charging before use, especially if it feels warm.
5. For long-term storage, remove the battery pack from the sprayer and store it fully charged. Recharge every 3 months to maintain battery life.

5.2 Assembling the Sprayer

1. Attach the paint container to the main sprayer unit by screwing it securely.
2. Select the appropriate copper nozzle (1.0mm, 1.5mm, 2.0mm, or 3.0mm) based on your paint type and desired spray pattern.
3. Insert the selected nozzle into the spray head and secure it with the nozzle cap.
4. Attach the charged battery pack to the base of the sprayer handle until it clicks into place.

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Video: This video demonstrates the step-by-step process of assembling the ETOOLAB Cordless Paint Sprayer, including attaching the paint container, selecting and installing a nozzle, and connecting the battery pack.

6. Operating Instructions

6.1 Paint Preparation

1. Before spraying, ensure the surface is clean and free of dust.
2. Dilute your paint as necessary. Add water (for water-based paints) or paint thinner (for oil-based paints) and stir thoroughly.
3. Use the included viscosity cup to test the paint's consistency. The paint should pass through the viscosity cup smoothly within 120 seconds. Refer to the table below for general guidelines:

Viscosity (DIN/S)	Paint Type
30	Sealers, Stains, Enamel, Varnish, Dyes
40	Polyurethane, Chalk and Milk Type Paint
50	Low Viscosity Primer, Wall Paint
70-80	Latex, Latex Plus Primers, Primers, Oil Enamel, Wall Paint



Image: A hand pouring paint into a funnel with a viscosity cup, demonstrating the process of checking paint consistency before spraying. The image also shows a table with recommended viscosity values for different paint types.

6.2 Spraying Technique

1. **Practice First:** Before painting your actual project, practice on cardboard or a similar scrap surface to check paint thinning and spray settings.
2. **Adjust Spray Pattern:** Rotate the air cap to select horizontal, vertical, or circular spray patterns.
3. **Adjust Flow Rate:** Use the flow control knob to adjust the paint output from 0-1200ml/min.
4. **Maintain Distance:** Keep the spray gun at an even distance of approximately 2-6 inches (5-15 cm) from the target object.
5. **Smooth Strokes:** Use smooth, even strokes to ensure uniform coverage.

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Video: This video demonstrates the ETOOLAB paint sprayer in action, showing how to adjust spray patterns and flow, and apply paint evenly to various surfaces like furniture and walls.

7. Maintenance

7.1 Cleaning After Use

1. Immediately after spraying, disconnect the battery pack.
2. Disassemble all parts of the paint sprayer (nozzle, air cap, paint container, suction tube).
3. Clean the paint container thoroughly to remove any remaining paint.
4. Use the provided cleaning brush and needle to clean the nozzle, air cap, and suction tube.
5. **Important:** Do not wash the motor parts with water. Use a damp cloth to wipe the exterior of the motor unit if necessary.
6. Ensure all parts are completely dry before reassembling or storing.

Your browser does not support the video tag.

Video: A short preview video demonstrating the ease of cleaning the paint sprayer components after use, showing the container being rinsed and parts being wiped.

8. Troubleshooting

If you encounter issues with your ETOOLAB paint sprayer, please refer to the following common solutions:

- **No Spray/Weak Spray:** Check if the nozzle is clogged. Clean the nozzle and air cap with the provided tools. Ensure the paint is properly thinned according to the viscosity guidelines. Verify the suction tube is fully submerged in paint and free from blockages.
- **Uneven Spray Pattern:** Adjust the air cap to ensure it is correctly aligned for the desired pattern (horizontal, vertical, circular). Check for partial nozzle clogs.
- **Paint Leaking:** Ensure all connections, especially the paint container and nozzle cap, are securely tightened. Check for damaged seals or O-rings.
- **Battery Not Charging:** Verify the charger is properly connected to both the power outlet and the battery. Ensure the battery is not overheated; allow it to cool before charging.

9. Specifications

Feature	Specification
Brand	ETOOLAB
Model Name	ETB013
Power Source	DC (Battery Powered)
Battery	20V 3.0Ah Lithium Polymer
Charging Time	Approx. 90 minutes
Continuous Use Time	25-35 minutes
Tank Volume	1400ml
Maximum Viscosity	120 DIN/S
Flow Rate	0-1200ml/min (Stepless Adjustment)
Nozzle Sizes	1.0mm, 1.5mm, 2.0mm, 3.0mm (Copper)
Product Dimensions	9.65 x 8.98 x 10.16 inches
Item Weight	5.24 pounds

10. Warranty and Support

ETOOLAB offers a 24-month warranty on this product. For any questions regarding the use of your ETOOLAB ETB013 Cordless HVLP Paint Sprayer, please contact ETOOLAB customer service. We are committed to providing professional support and ensuring your satisfaction.
You can visit the official ETOOLAB store for more information:ETOOLAB Store

Ask a question about this manual

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