Iwata ICM 2002

Iwata Custom Micron B Airbrush (ICM 2002) Version 2 User Manual

Model: ICM 2002 | Brand: Iwata

1. Introduction

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your Iwata Custom Micron B Airbrush (ICM 2002) Version 2. Please read this manual thoroughly before using the airbrush to ensure proper function and longevity of the device.



Figure 1.1: Iwata Custom Micron B Airbrush (ICM 2002) Version 2.

2. Safety Information

Adhering to safety guidelines is crucial for safe operation and to prevent injury or damage to the airbrush.

- Always keep the airbrush pointed in a safe direction when spraying.
- Wear appropriate safety glasses and gloves during operation and cleaning.
- Keep the airbrush away from heat sources and open flames.
- Do not disassemble the airbrush while it is under pressure.
- Always unplug the airbrush from the air compressor before cleaning or servicing.
- Dispose of the airbrush and its components in accordance with local regulations.

3. Package Contents

Verify that all items listed below are present in your package:

- Iwata Custom Micron CM-B Airbrush (Version 2)
- Spanner Wrench
- Superlube Lubricant
- Test Page
- User's Guide Booklet (this manual)



Figure 3.1: Contents of the Iwata Custom Micron B Airbrush package.

4. Product Overview

4.1 Key Features

- Ergonomic square-shaped trigger for improved comfort and control.
- Crown cap dock located on the back of the handle for convenient storage of the crown cap.
- Features a 0.18mm needle and nozzle combination for precise, detailed spraying.
- Auxiliary lever is now attached to the chucking guide for easier re-assembly.
- Spray pattern ranges from micro-line to 3/4 inch.
- Pre-set handle and adjustable main lever tension for customized control.
- 1.8ml gravity feed cup for efficient paint delivery.

4.2 Components

Familiarize yourself with the main components of the airbrush:



Figure 4.1: Side view of the airbrush, highlighting the main body and cup.

1. **Nozzle:** The component through which paint is atomized and sprayed. The CM-B features a 0.18mm nozzle.
2. **Needle:** Controls the flow of paint through the nozzle.
3. **Gravity Feed Cup:** The top-mounted cup (1.8ml capacity) where paint is loaded.
4. **Trigger:** The square-shaped lever that controls both air and paint flow.
5. **Handle with Crown Cap Dock:** The rear part of the airbrush, designed for comfortable grip and includes a dock for the crown cap.
6. **Auxiliary Lever:** Attached to the chucking guide for ease of re-assembly.



Figure 4.2: Close-up view of the ergonomic square trigger and gravity feed cup.

5. Setup

Follow these steps to prepare your airbrush for use:

1. **Connect to Air Source:** Attach the airbrush to a compatible air compressor or air tank using an appropriate air hose. Ensure all connections are secure to prevent air leaks.
2. **Prepare Paint:** Thin your chosen paint to the appropriate consistency for airbrushing. The ideal consistency will vary depending on the paint type and desired spray pattern.
3. **Fill Gravity Feed Cup:** Carefully pour the thinned paint into the 1.8ml gravity feed cup. Do not overfill.
4. **Adjust Air Pressure:** Set your air compressor to the recommended operating pressure for your paint and desired effect. Start with a lower pressure and adjust as needed.



Figure 5.1: An inline air filter (sold separately) can help ensure clean air delivery.

6. Operation

Operating the Custom Micron B Airbrush involves coordinating air and paint flow:

1. **Initiate Air Flow:** Press down on the square trigger to release air.
2. **Control Paint Flow:** While holding the trigger down, pull it back gently to begin paint flow. The further back you pull, the

more paint will be released.

3. **Adjust Spray Pattern:** The 0.18mm nozzle allows for fine lines and detailed work. Practice on a test surface to achieve desired line thickness and opacity.
4. **Pre-set Handle:** Utilize the pre-set handle to limit the maximum needle travel, allowing for consistent line width.
5. **Adjustable Main Lever Tension:** Customize the feel of the trigger by adjusting the main lever tension to your preference.
6. **Stopping:** Release the trigger forward to stop paint flow, then release it upwards to stop air flow.

7. Maintenance

Regular cleaning and maintenance are essential for optimal performance and longevity of your airbrush.

7.1 After Each Use (Quick Clean)

1. Empty any remaining paint from the gravity feed cup.
2. Add a small amount of appropriate cleaner (e.g., airbrush cleaner, water for water-based paints) to the cup.
3. Spray the cleaner through the airbrush until it runs clear.
4. Use a soft brush or cotton swab to clean the inside of the paint cup.

7.2 Periodic Deep Cleaning

For thorough cleaning or when changing paint types:

1. Disassemble the airbrush carefully, following the instructions in the included User's Guide Booklet for detailed disassembly steps. Pay close attention to the delicate needle and nozzle.
2. Clean all components with appropriate cleaning solutions. Use specialized airbrush cleaning brushes for small parts.
3. Inspect the needle and nozzle for any damage or clogs. Replace if necessary.
4. Lubricate moving parts (e.g., needle bearing) with Superlube or other airbrush-specific lubricant as directed in the detailed manual.
5. Reassemble the airbrush, ensuring all parts are correctly aligned and tightened.

8. Troubleshooting

Common issues and their potential solutions:

Problem	Possible Cause	Solution
No paint flow	Clogged nozzle or needle, paint too thick, insufficient air pressure	Clean nozzle/needle, thin paint, increase air pressure
Splattering or inconsistent spray	Partially clogged nozzle, damaged needle tip, paint too thin/thick, air leak	Clean nozzle, inspect/replace needle, adjust paint consistency, check connections
Air bubbles in paint cup	Loose nozzle, damaged nozzle, debris in nozzle	Tighten nozzle, inspect/replace nozzle, clean nozzle thoroughly
Trigger sticking	Dried paint or debris in trigger mechanism, lack of lubrication	Clean trigger area, apply lubricant

9. Specifications

Attribute	Detail
Brand	Iwata
Model Name	Custom Micron CM-B Version 2
Item Model Number	ICM 2002
Nozzle Size	0.18mm
Cup Capacity	1.8ml (Gravity Feed)
Spray Pattern	Micro-line to 3/4 inch
Item Weight	1.85 Pounds
Product Dimensions	8.66 x 6.14 x 2.28 inches
UPC	734748051511
Material	Silver
Power Source	Manual (requires external air source)

10. Warranty and Support

Iwata products are known for their quality and durability. For specific warranty information, please refer to the warranty card included with your product or visit the official Iwata website.
For technical support, replacement parts, or further assistance, please contact Iwata customer service or visit their official store:
Official Iwata Store: Iwata-Medea Store on Amazon

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