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› Powate 40 PSI Double Action Airbrush Kit Instruction Manual

## Powate TA101

# Powate 40 PSI Double Action Airbrush Kit Instruction Manual

Model: TA101 | Brand: Powate

## INTRODUCTION

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This manual provides detailed instructions for the safe and effective use of your Powate 40 PSI Double Action Airbrush Kit. Please read this manual thoroughly before operating the device to ensure proper function and longevity. This kit is designed for various applications including cake decoration, makeup, crafts, nail design, model painting, and temporary tattoos.

## PRODUCT COMPONENTS

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Your Powate Airbrush Kit includes the following components:

# Product List and Introduction



Figure 1: Overview of all included components in the Powate Airbrush Kit.

- **Airbrush:** Double-action airbrush for precise control.
- **Compressor:** Portable air compressor with 3 pressure modes and up to 40 PSI.
- **20cc Capacity Cup:** For smaller paint volumes.
- **40cc Capacity Cup:** For larger paint volumes.
- **0.2mm Nozzle and Nozzle Cap:** For fine detail work.
- **0.5mm Nozzle and Nozzle Cap:** For broader coverage.
- **0.2mm Needle and 0.5mm Needle:** Corresponding needles for the nozzles.
- **Oil-Water Separator:** Helps prevent moisture from reaching the airbrush.
- **Wrench:** For changing nozzles.
- **Dropper:** For precise paint transfer.
- **Airbrush Cleaning Set:** Brushes and needles for thorough cleaning.
- **Adapter:** Power adapter for the compressor.
- **Storage Box:** For organizing and protecting components.

## SETUP INSTRUCTIONS

Follow these steps to set up your airbrush kit for first use:

1. **Connect the Hose:** Securely attach one end of the air hose to the airbrush and the other end to the compressor's air outlet.
2. **Attach the Cup:** Screw the desired capacity cup (20cc or 40cc) onto the airbrush.
3. **Install Nozzle and Needle:** Ensure the correct nozzle (0.2mm or 0.5mm) and corresponding needle are installed for your task. Use the provided wrench if needed, but do not overtighten.
4. **Connect Power:** Plug the adapter into the compressor and then into a suitable power outlet.
5. **Prepare Paint:** Dilute your paint to the appropriate consistency for airbrushing. The paint should be thin enough to flow smoothly but not watery. Pour the diluted paint into the airbrush cup.

High			<b>30PSI</b> Suitable for large areas.
Medium			<b>25PSI</b> Suitable for models, shoes, clothes.
Low			<b>15PSI</b> Suitable for make-up, nail design.

**3 Working Modes**  
From High to Low

Maximum Flow: 10Lpm  
Maximum Air Pressure: 25-30psi



Figure 2: Visual guide for initial setup and basic operation.

## OPERATING INSTRUCTIONS

### Understanding Double-Action Control

Your Powate airbrush features a double-action trigger, allowing independent control over both air and paint flow for precise results.



Figure 3: Illustration of double-action airbrush control versus single-action.

- **Air Control:** Press down on the trigger to release air.
- **Paint Control:** While holding the trigger down for air, pull the trigger back to release paint. The further you pull back, the more paint is released.
- This dual control provides superior atomization and fine detail capabilities.

### Adjusting Air Pressure

The compressor offers three adjustable pressure modes to suit different applications:

## Why choose Gocheer airbrush pen?

- Suitable for beginners, easy to use.
- Suitable for various spraying tasks, Make life more interesting
- Multi-accessories available, meet all your daily needs.
- Upgraded compressor and dual-airbrush kit, worth the money.



Figure 4: Air pressure settings and recommended uses.

- **Low (15 PSI):** Ideal for delicate tasks such as makeup application and nail design.
- **Medium (25 PSI):** Suitable for general model painting, shoes, and clothing.
- **High (30 PSI):** Recommended for covering larger areas or when a stronger spray is needed.

To adjust the pressure, use the control button on the compressor. The maximum air pressure is 40 PSI, with a maximum flow of 10 Lpm.

### General Operation Tips

- Always test your airbrush on a scrap surface before applying to your final project.
- Maintain a consistent distance between the airbrush and the surface for even coverage.
- Move the airbrush in smooth, even strokes.
- For fine lines, move closer to the surface and pull the trigger back minimally. For broader coverage, move further away and pull the trigger back more.
- Ensure proper ventilation when working with paints and cleaning solutions.

## MAINTENANCE AND CLEANING

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Regular cleaning is crucial for maintaining the performance and longevity of your airbrush kit. Clean your airbrush immediately after each use, especially when changing colors or finishing a session.

- 1. Empty Paint Cup:** Disconnect the airbrush from the compressor. Empty any remaining paint from the cup.
- 2. Flush with Cleaner:** Pour a small amount of appropriate airbrush cleaner or water (depending on paint type) into the cup. Spray through the airbrush onto a paper towel or into a cleaning pot until the spray runs clear.
- 3. Back-Flush:** For a deeper clean, place your finger over the nozzle cap and press the trigger for air. This will force air back into the paint cup, creating bubbles that help dislodge paint residue. Repeat with cleaner until the cup is clean.
- 4. Disassemble and Clean:** For thorough cleaning, carefully disassemble the airbrush. Use the provided cleaning brushes and needles to clean the paint cup, nozzle, needle, and air cap. Be gentle to avoid bending the needle or damaging the nozzle.
- 5. Reassemble:** Once all parts are clean and dry, carefully reassemble the airbrush.
- 6. Compressor Maintenance:** Keep the compressor clean and free of dust. Ensure the air filter (if present) is clean.

*Note:* Always use cleaning solutions compatible with your specific type of paint (e.g., water for water-based paints, appropriate thinners for solvent-based paints).

## TROUBLESHOOTING GUIDE

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Problem	Possible Cause	Solution
No paint flow	Clogged nozzle, dried paint in airbrush, paint too thick, bent needle.	Clean nozzle and airbrush thoroughly. Dilute paint. Check needle for damage and replace if necessary.
Air bubbles in paint cup	Loose nozzle, damaged nozzle, bent needle, air leaking back.	Tighten nozzle. Inspect nozzle and needle for damage. Ensure airbrush is properly assembled.
Inconsistent spray pattern	Partially clogged nozzle, paint consistency issues, incorrect air pressure.	Clean nozzle. Adjust paint dilution. Verify air pressure setting.
Compressor not turning on	Power not connected, faulty adapter, compressor malfunction.	Check power connections. Test adapter. Contact customer support if issues persist.

## TECHNICAL SPECIFICATIONS

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- **Model Number:** TA101
- **Brand:** Powate
- **Maximum Air Pressure:** 40 PSI
- **Adjustable Pressure Range:** 25-40 PSI (3 modes: Low, Medium, High)
- **Maximum Air Flow:** 8-10 Lpm
- **Power Source:** Electric Cord
- **Nozzle Sizes Included:** 0.2mm, 0.5mm
- **Product Dimensions:** 25.8 x 22.8 x 8.5 cm (Package)
- **Product Weight:** 750 grams (Package)
- **Special Features:** Portable, Double-Action Airbrush

## SAFETY INFORMATION

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- Always operate the airbrush in a well-ventilated area to avoid inhaling paint fumes.
- Wear appropriate personal protective equipment (PPE), such as a respirator mask and safety glasses.
- Keep the airbrush and compressor away from children and pets.
- Do not point the airbrush at yourself or others.
- Ensure all electrical connections are secure and dry. Do not operate with wet hands.
- Never use flammable liquids or solvents not intended for airbrushing.
- Unplug the compressor when not in use or during cleaning and maintenance.

## WARRANTY AND SUPPORT

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For warranty information or technical support, please refer to the documentation included with your purchase or contact Powate customer service through the retailer where the product was purchased. Please have your model number (TA101) and purchase date available when contacting support.