

Fengda FD-207K

Fengda Professional Airbrush Kit with Multifunctional Compressor AS-207K User Manual

Model: FD-207K

1. INTRODUCTION

Thank you for choosing the Fengda Professional Airbrush Kit with Multifunctional Compressor AS-207K. This comprehensive kit is designed for a wide range of applications, including model painting, nail art, makeup, automotive graphics, and temporary tattoos. Its portable and user-friendly design makes it suitable for both beginners and experienced artists. Please read this manual carefully before operation to ensure proper use and maintenance.

2. PRODUCT OVERVIEW AND COMPONENTS

The Fengda AS-207K kit includes the following main components:

- Dual-Action Airbrush Gun
- Mini Air Compressor (Oil-Free)
- AC Power Adapter
- Air Hose (1.8 meters)
- User Manual



Figure 2.1: Complete Fengda AS-207K Airbrush Kit showing the compressor, airbrush, and power adapter.

2.1 Air Compressor Features

PRODUCT FEATURES



Figure 2.2: Key features of the AS-207K Air Compressor, including the airbrush holder, pressure regulator knob, power switch, power indicator light, anti-slip base, and air hose connection.

PRODUCT FEATURES

AS-207K

- ▶ Equipped with Infinite>stepless regulation (flow) and automatic start-and-stop function, suitable for beginners.
- ▶ Equipped with low noise and vibration, suitable for various environments.



MAX	15L/MIN
ON	1 BAR
OFF	2 BAR

Figure 2.3: Compressor control knob for adjusting air pressure from OFF to MAX, with indicated operational pressure ranges.

2.2 Dual-Action Airbrush Components

EXPLODED VIEW



Figure 2.4: Exploded view illustrating the various components of the dual-action airbrush, including the needle, nozzle, fluid cup, and control lever.

3. SETUP

1. **Unpack Components:** Carefully remove all items from the packaging. Inspect for any damage.
2. **Connect Air Hose:** Attach one end of the 1.8-meter air hose to the air outlet port on the compressor. Ensure a secure connection.
3. **Connect Airbrush:** Attach the other end of the air hose to the air inlet of the airbrush gun. Tighten gently to prevent air leaks.
4. **Connect Power Adapter:** Plug the DC power adapter into the compressor's power input jack.
5. **Power On:** Plug the AC power adapter into a suitable electrical outlet (100-250V, 50-60 Hz). The power indicator light on the compressor should illuminate.
6. **Place Compressor:** Position the compressor on a stable, flat surface. The anti-slip base will help keep it steady during operation.

4. OPERATING INSTRUCTIONS

4.1 Preparing the Airbrush

1. **Fill Fluid Cup:** Pour your desired paint or medium into the airbrush's integrated 5ml fluid cup. Ensure the paint is properly thinned for airbrushing.
2. **Test Spray:** Before applying to your project, perform a test spray on a scrap piece of material to check paint consistency and air pressure.

4.2 Adjusting Air Pressure

The compressor features an adjustable pressure knob. Turn the knob from 'OFF' towards 'MAX' to increase air pressure. The compressor provides a maximum pressure of 28 PSI and an airflow of 15 L/min. The automatic start-and-stop function means the compressor will activate when air is drawn and stop when not in use, conserving energy and reducing noise.

4.3 Using the Dual-Action Airbrush

The dual-action airbrush allows for independent control of air and fluid flow:

- **Air Control:** Press down on the main lever to release air.
- **Fluid Control:** Pull back on the main lever to release paint. The further you pull back, the more paint is released.
- **Fine Details:** For ultra-fine details, use the 0.2mm nozzle and adjust the air and fluid flow precisely.

Practice controlling both air and fluid simultaneously to achieve desired effects.

5. MAINTENANCE

Regular cleaning and maintenance are crucial for the longevity and optimal performance of your airbrush kit.

5.1 Airbrush Cleaning

1. **After Each Use:** Empty any remaining paint from the fluid cup. Add a small amount of appropriate cleaning solution (water for water-based paints, solvent for solvent-based paints) to the cup.
2. **Flush:** Spray the cleaning solution through the airbrush until it runs clear.
3. **Back-Flush:** Cover the nozzle with your finger or a cap and gently pull back the trigger to create a bubbling action in the fluid cup. This helps dislodge paint from inside the airbrush.
4. **Disassemble (Periodically):** For thorough cleaning, disassemble the airbrush components (refer to Figure 2.4). Clean each part with a brush and cleaning solution. Pay special attention to the needle, nozzle, and fluid cup.
5. **Reassemble:** Ensure all parts are dry before reassembling. Be careful not to bend the needle or damage the nozzle.

5.2 Compressor Maintenance

The compressor is an oil-free design, requiring minimal maintenance. Keep the exterior clean and free of dust. Ensure the air intake and outlet are unobstructed. Do not attempt to lubricate internal components.

5.3 Storage

Store the airbrush kit in a clean, dry place away from direct sunlight and extreme temperatures. Ensure the airbrush is thoroughly cleaned before storage to prevent paint from drying inside.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No air from airbrush	Compressor off; hose disconnected; nozzle clogged.	Check power; reconnect hose; clean nozzle.
Paint sputtering or inconsistent spray	Paint too thick; partially clogged nozzle/needle; low air pressure.	Thin paint; thoroughly clean airbrush; increase air pressure.
Air leaks from connections	Loose hose connections.	Tighten hose connections.
Compressor runs continuously	Air leak in system; faulty pressure switch.	Check all connections for leaks; contact support if issue persists.
No paint flow	Needle stuck; nozzle clogged; paint too thick; fluid cup empty.	Clean needle/nozzle; thin paint; refill fluid cup.

7. SPECIFICATIONS

- **Model:** FD-207K
- **Compressor Type:** Mini Air Compressor, Oil-Free
- **Input Voltage:** 100-250V, 50-60 Hz
- **Output Voltage:** 12V DC, 1.6A
- **Max Pressure:** 28 PSI (1.9 BAR)
- **Air Flow:** 15 L/min
- **Air Hose Length:** 1.8 meters
- **Airbrush Type:** Dual-Action, Gravity Feed
- **Nozzle/Needle Size:** 0.2 mm
- **Integrated Fluid Cup Capacity:** 5 ml
- **Connection:** 1/8" BSP
- **Noise Level:** 62 dB
- **Dimensions (Compressor):** Approximately 13 x 11.5 x 8 cm
- **Weight (Kit):** Approximately 1.28 kg

8. WARRANTY AND SUPPORT

This Fengda product comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and material faults under normal use. It does not cover damage caused by misuse, neglect, unauthorized modifications, or normal wear and tear.

If you encounter any issues with your product or require replacement accessories, please contact Fengda customer support. For assistance, refer to the contact information provided on the product packaging or the official Fengda website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question