

## TIMBERTECH AS186K

# TIMBERTECH AS-186K Airbrush Compressor Kit User Manual

Model: AS-186K

## INTRODUCTION

This manual provides detailed instructions for the safe and effective use, maintenance, and troubleshooting of your TIMBERTECH AS-186K Airbrush Compressor Kit. Please read this manual thoroughly before operating the device and retain it for future reference.

## COMPONENTS OVERVIEW

The TIMBERTECH AS-186K Airbrush Compressor Kit includes the following main components:

- **Air Compressor Unit:** Features a 3-liter air tank, manometer, compressed air regulator, and air filter.
- **Double-Action Airbrush Gun:** Equipped with a 0.30mm nozzle/needle.
- **Air Hose:** Approximately 6 feet in length for connecting the airbrush to the compressor.
- **Cleaning Brushes:** Various sizes for airbrush maintenance.
- **Paint Bottles:** A set of starter paints.



Figure 1: Complete TIMBERTECH AS-186K Airbrush Compressor Kit, showing the compressor, airbrush, hose, cleaning brushes, and paints.

## SETUP INSTRUCTIONS

1. **Unpack Components:** Carefully remove all items from the packaging and inspect for any damage.
2. **Position the Compressor:** Place the compressor on a stable, level surface in a well-ventilated area. Ensure the suction pads on the compressor feet provide stability.
3. **Connect Air Hose:** Attach one end of the 6-foot air hose to the air outlet on the compressor's regulator. Securely fasten the other end of the air hose to the airbrush gun's hose connection.
4. **Power Connection:** Plug the compressor's power cord into a standard 110V, 60Hz electrical outlet.
5. **Adjust Air Pressure:**
  - Ensure the compressor is powered on.
  - Locate the air pressure regulator knob on the compressor.
  - To adjust the pressure, **pull the knob upwards** (Step 1).
  - Rotate the knob clockwise to increase pressure or counter-clockwise to decrease pressure (Step 2).
  - Read the desired pressure from the manometer gauge.
  - Once the desired pressure is set, **push the knob downwards** to lock the setting.



Figure 2: Instructions for adjusting air pressure by pulling up and rotating the regulator knob.



Figure 3: Close-up view of the compressor's manometer gauge for reading air pressure.

## OPERATING INSTRUCTIONS

### Airbrush Operation

The included airbrush is a double-action type, meaning the trigger controls both air flow and paint flow. This allows for fine control over your spray.



Figure 4: Detailed diagram of the double-action airbrush components and trigger function for air and paint control.

1. **Prepare Paint:** Thin your paint to the appropriate consistency for airbrushing. The ideal consistency is often described as milk-like.
2. **Load Paint:** Pour the prepared paint into the 7ml fluid cup on top of the airbrush. Secure the fluid cup cover.
3. **Power On Compressor:** Turn on the compressor. It will automatically start at 3 Bar (43 PSI) and stop at 4 Bar (58 PSI) to maintain consistent pressure.
4. **Test Spray:** Before applying to your project, perform a test spray on a scrap surface to check paint flow and pattern.
5. **Spray Technique:**
  - To initiate air flow, **press the trigger down**.
  - To release paint, **pull the trigger back** while holding it down. The further back you pull, the more paint is released.

- Practice controlling the distance from the surface and the trigger movement for desired effects.

6. **Finish Spraying:** Release the trigger to stop paint flow, then release the trigger upwards to stop air flow.

## MAINTENANCE

### Airbrush Cleaning

Proper cleaning after each use is crucial for the longevity and performance of your airbrush.

1. **Empty Paint Cup:** Pour any remaining paint back into its container.
2. **Flush with Cleaner:** Add a small amount of appropriate airbrush cleaner or water (depending on paint type) to the paint cup. Spray through the airbrush until the cleaner runs clear.
3. **Back-Flush:** Cover the nozzle with your finger or a cap and press the trigger for air only. This will force air back into the paint cup, bubbling and cleaning the inside.
4. **Disassemble and Clean:** For thorough cleaning, disassemble the airbrush (needle, nozzle, fluid cup). Use the provided cleaning brushes and cleaner to remove all paint residue from each component. Be careful with the needle, as it is delicate.
5. **Reassemble:** Carefully reassemble the airbrush, ensuring all parts are correctly seated.

### Compressor Maintenance

Regularly drain accumulated moisture from the compressor's air filter.

- **Drain Water:** After use, or when you observe water in the moisture trap, ensure the compressor is powered off and depressurized. Press the drain button located at the bottom of the moisture trap to release accumulated water. **Do not press this drain button when the machine is working or when the pressure cutoff stops.**

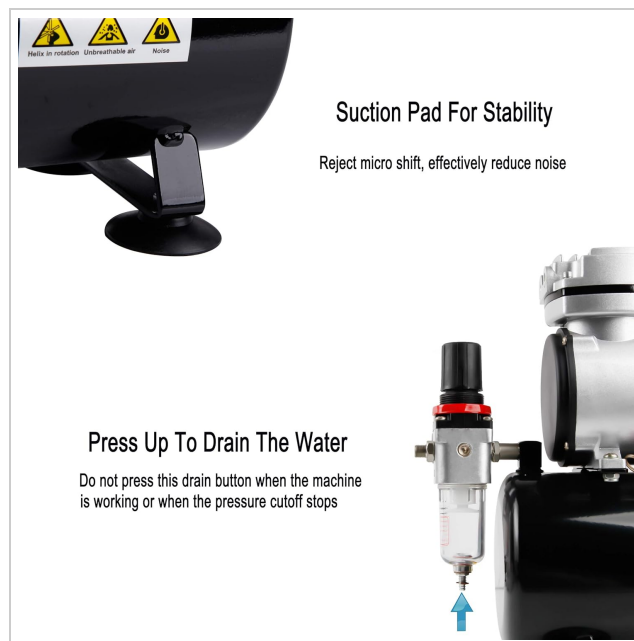


Figure 5: Location of the drain button on the compressor's moisture trap for releasing condensed water.

## TROUBLESHOOTING

This section addresses common issues you might encounter with your airbrush compressor kit.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No air flow from airbrush	<ul style="list-style-type: none"><li>• Air hose disconnected or kinked.</li><li>• Compressor not powered on.</li><li>• Airbrush nozzle clogged.</li><li>• Regulator knob not pulled up for adjustment or not locked down.</li></ul>	<ul style="list-style-type: none"><li>• Check hose connections and ensure it's not kinked.</li><li>• Verify power supply and switch.</li><li>• Clean airbrush nozzle and needle thoroughly.</li><li>• Ensure regulator knob is correctly set and locked.</li></ul>
Uneven or sputtering spray	<ul style="list-style-type: none"><li>• Paint too thick or improperly mixed.</li><li>• Partial clog in airbrush.</li><li>• Low air pressure.</li></ul>	<ul style="list-style-type: none"><li>• Thin paint to correct consistency.</li><li>• Clean airbrush thoroughly, especially the nozzle and needle.</li><li>• Adjust compressor pressure using the regulator.</li></ul>
Compressor frequently cycles on/off or overheats	<ul style="list-style-type: none"><li>• Continuous heavy use without breaks.</li><li>• Poor ventilation around the compressor.</li><li>• Minor air leak in the system.</li></ul>	<ul style="list-style-type: none"><li>• Allow the compressor to rest between extended periods of use.</li><li>• Ensure adequate airflow around the unit.</li><li>• Check all connections for tightness to prevent air leaks.</li></ul>

## SPECIFICATIONS




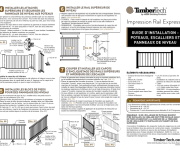

Feature	Detail
Brand	TIMBERTECH
Model Name	AS 186K
Voltage	120 Volts
Power Source	Corded Electric
Noise Level	50 dB
Maximum Power	0.2 Horsepower
Tank Volume	3 Liters
Air Flow Capacity	20-23 Liters Per Minute
Maximum Operating Pressure	4 Bars (58 PSI)
Auto Start/Stop	Starts at 3 Bar (43 PSI), Stops at 4 Bar (58 PSI)
Airbrush Nozzle Size	0.30mm
Hose Length	6 Feet
Product Dimensions	13.39"L x 12.6"W x 5.91"H
Item Weight	12.84 pounds

## WARRANTY AND SUPPORT

For any product inquiries, technical support, or warranty claims, please contact TIMBERTECH customer service through your purchase platform or the official brand website.

Optional protection plans may be available for extended coverage. Please refer to your purchase details for more information on available plans and their terms.

### Related Documents - AS186K

	<p><a href="#">TimberTech 150W Power Pack Operating Instructions, Safety, and Troubleshooting Guide</a></p> <p>Detailed operating instructions, safety warnings, installation guide, troubleshooting steps, and electrical specifications for the TimberTech 150W Power Pack landscape lighting system. Includes guidance on wattage calculation, mode functions, and error code resolution.</p>
	<p><a href="#">TimberTech Advanced PVC Decking Installation and Maintenance Guide</a></p> <p>Comprehensive guide for installing and maintaining TimberTech Advanced PVC Decking, covering substructure, fasteners, expansion, contraction, stair installation, fascia, and care. Includes detailed instructions for Cortex, CONCEALoc, FUSIONLoc, and SIDELOC hidden fastening systems.</p>
	<p><a href="#">TimberTech Deck &amp; Porch Care and Cleaning Guide</a></p> <p>Comprehensive guide from TimberTech by AZEK Building Products on how to clean and maintain TimberTech decking, porch, and railing products, including recommended cleaners, brushes, and cleaning methods for various collections.</p>
	<p><a href="#">TimberTech Impression Rail Express Installation Guide</a></p> <p>A comprehensive installation guide for the TimberTech Impression Rail Express deck railing system. This guide provides step-by-step instructions for installing posts, level panels, and stair railings, along with essential tips, safety precautions, and material requirements.</p>
	<p><a href="#">Installing TimberTech Advanced PVC Deck &amp; Fascia Boards: Top-Down Fastening Guide</a></p> <p>Comprehensive guide to installing TimberTech Advanced PVC decking and fascia boards using the top-down fastening method. Learn about material properties, tools, fasteners, and step-by-step installation for a durable and beautiful deck.</p>



## TimberTech Composite and Specialty Decking: Installation and Maintenance Guide

A comprehensive guide for installing and maintaining TimberTech composite and specialty decking, covering preparation, fastening methods, care, and warranty information. Includes detailed instructions for CONCEALoc, Cortex, and FUSIONLoc fastening systems.