

TIMBERTECH BD-512

TIMBERTECH Portable Airbrush Spray Cabin with Extraction BD-512 User Manual

Model: BD-512

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation, setup, and maintenance of your TIMBERTECH Portable Airbrush Spray Cabin with Extraction, Model BD-512. Please read this manual thoroughly before using the product and retain it for future reference.

The TIMBERTECH BD-512 is designed to absorb spray mist and reduce vapors from airbrush and spray gun materials, making it ideal for spraying models, small parts, ceramics, and radio models.

2. SAFETY INSTRUCTIONS

- Always operate the spray cabin in a well-ventilated area.
- Ensure the power supply matches the specifications (110-120 V/50 Hz).
- Do not block the air intake or exhaust vents during operation.
- Keep children and pets away from the unit during use.
- Disconnect power before cleaning or performing maintenance.
- Use only approved replacement filters.
- Avoid spraying highly flammable materials without adequate additional ventilation and safety precautions.

3. PACKAGE CONTENTS

Verify that all components are present upon unpacking:

- TIMBERTECH Portable Airbrush Spray Cabin (Main Unit)
- Exhaust Gas Extension Hose (up to 2.7 meters / 106.3 inches)
- Hose Adapter/Vent Hood
- 2-Layer High Density Fibreglass Cabin Filter (pre-installed)
- 22 cm (8.6 inch) Diameter Revolving Turntable

- 12V DC Power Adapter (for 110V AC input)
- User Manual (this document)



Image 3.1: Components of the TIMBERTECH BD-512 spray cabin.

4. SETUP INSTRUCTIONS

1. **Unfold the Spray Cabin:** Gently unfold the main unit from its compact suitcase shape. The side panels will extend to form the spray enclosure.

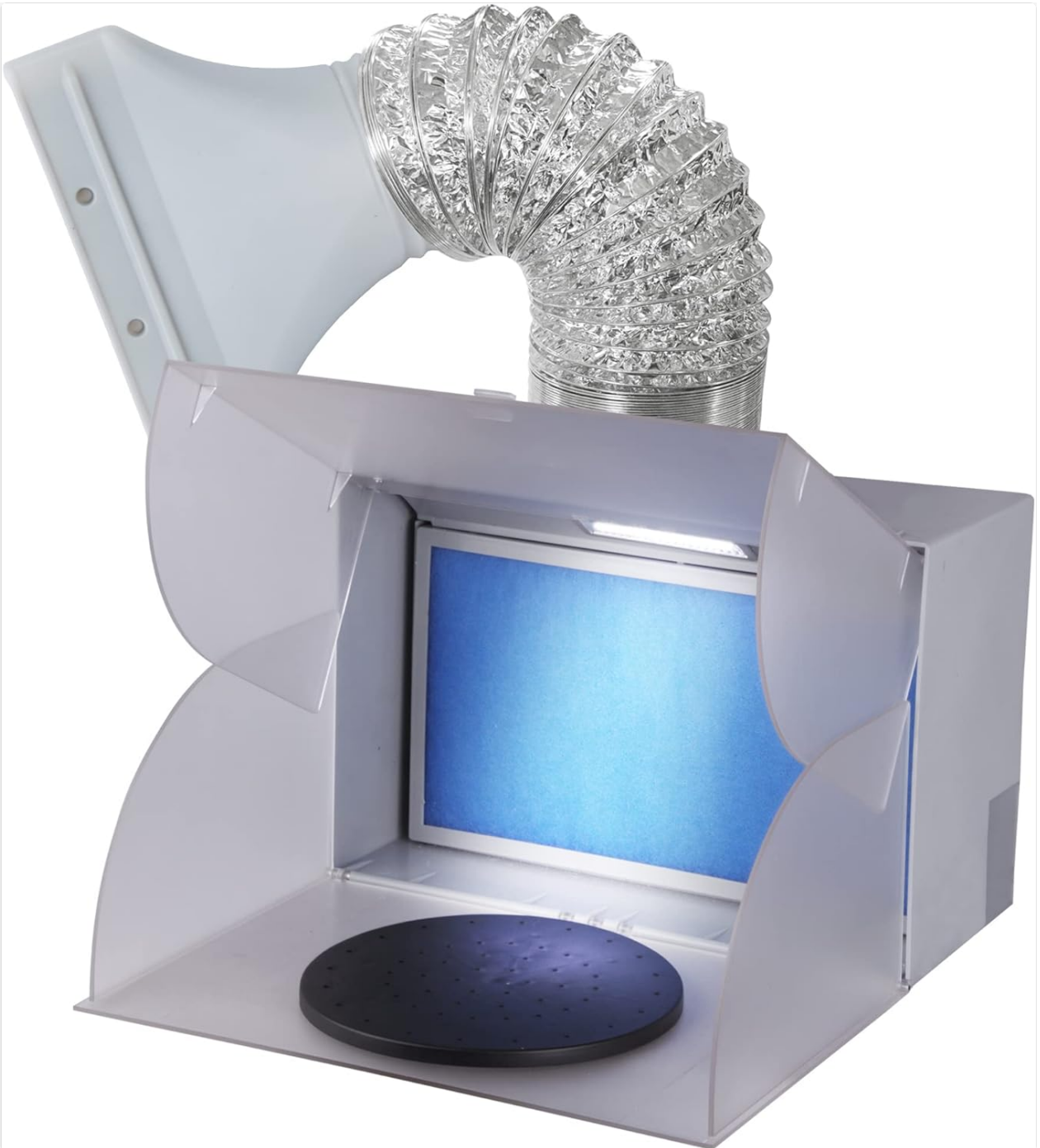


Image 4.1: Fully unfolded spray cabin with exhaust system.

2. **Install the Filter:** Ensure the 2-layer high-density fiberglass filter is correctly seated in the designated slot at the back of the cabin.

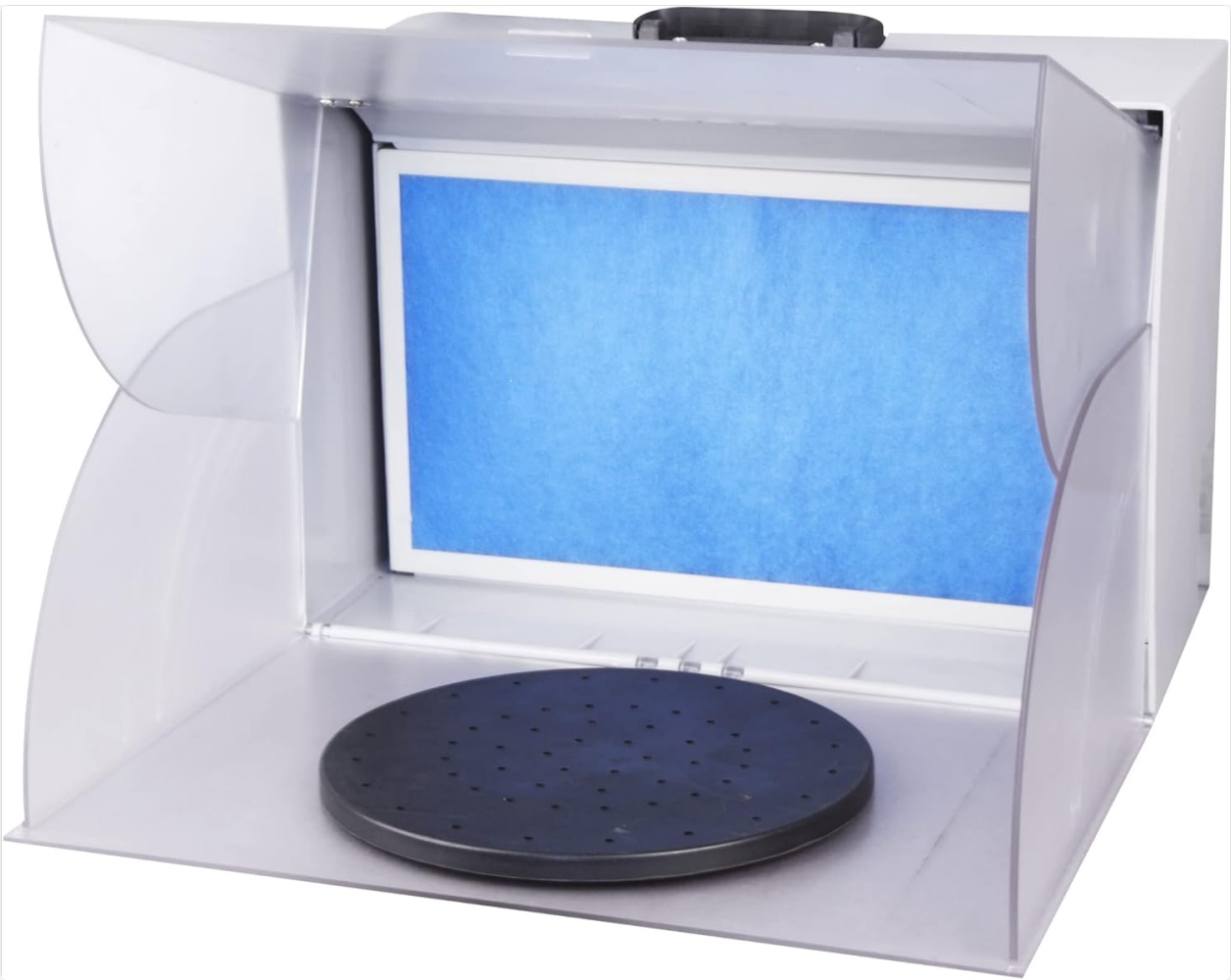


Image 4.2: Interior view of the spray cabin with filter and turntable.

3. **Attach the Turntable:** Place the 22 cm (8.6 inch) diameter revolving turntable on the base of the spray cabin. This allows for easy rotation of items being painted.
4. **Connect the Exhaust Hose:** Attach the flexible exhaust gas extension hose to the outlet port on the back of the main unit. Extend the hose up to 2.7 meters (106.3 inches) and position the vent hood between a small window or door gap to direct particles and vapors away from your work environment.



Image 4.3: Rear view of the spray cabin with exhaust hose connection.

5. **Power Connection:** Connect the 12V DC power adapter to the spray cabin and then plug it into a standard 110-120 V/50 Hz AC outlet.

5. OPERATING INSTRUCTIONS

1. **Placement:** Position the spray cabin on a stable, level surface in a well-ventilated area. Ensure the exhaust hose is properly directed outdoors or into a suitable ventilation system.
2. **Power On:** Press the illuminated on/off switch to activate the extraction fan and LED lights. The switch will light up when the unit is powered on.



Image 5.1: Rear panel with illuminated on/off switch and extraction fan.

3. **Spraying:** Place the item to be painted on the revolving turntable. Begin your airbrushing or spraying work. The extraction fan will draw spray mist and vapors through the filter, and the LED lights will provide illumination.
4. **Rotation:** Use the turntable to easily rotate your workpiece, allowing access to all sides without touching the wet surface.
5. **Power Off:** Once finished, press the on/off switch to turn off the unit. Allow the fan to run for a few minutes

after spraying to clear any remaining airborne particles.

6. MAINTENANCE

- 1. Filter Replacement:** The 2-layer high-density fiberglass cabin filter should be regularly inspected and replaced when it becomes visibly saturated with paint or dust, or when airflow significantly decreases. Replacement filters are available from TIMBERTECH.
- 2. Cleaning:**
 - Disconnect the power adapter before cleaning.
 - Wipe down the interior and exterior surfaces of the spray cabin with a damp cloth. Avoid using harsh chemicals that may damage the plastic.
 - Clean the turntable as needed.
- 3. Storage:** When not in use, the spray cabin can be folded into its compact suitcase shape for easy storage. Ensure the unit is clean and dry before storing.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	Power adapter not connected; power outlet not active; faulty switch.	Check power connections; test outlet with another device; contact customer support if switch is faulty.
Weak extraction fan airflow.	Clogged filter; blocked exhaust hose; fan malfunction.	Replace filter; clear any obstructions in the hose; contact customer support.
LED lights not working.	Loose connection; LED failure.	Ensure all internal connections are secure; contact customer support for LED replacement.

8. SPECIFICATIONS

Feature	Detail
Model	BD-512
Brand	TIMBERTECH
DC Motor	Powered by 12 V DC via 110 V AC adapter
Voltage	110-120 V/50 Hz, 1.33 A
Extraction Fan Power	16 watts
Air Flow	4.3 cubic meters / minute extraction rate
Noise Level	52 dB
Electrical Cable Length	1.6 meters (63 inches)
Exhaust Hose Length	Up to 2.7 meters (106.3 inches)

Feature	Detail
Turntable Diameter	22 cm (8.6 inches)
Dimensions (H x W x D, folded)	29 x 40 x 21.5 cm (11.4 x 15.7 x 8.5 inches)
Item Weight	5.0 kg (11 lb)
Certifications	CE



Image 8.1: Folded dimensions of the spray cabin.

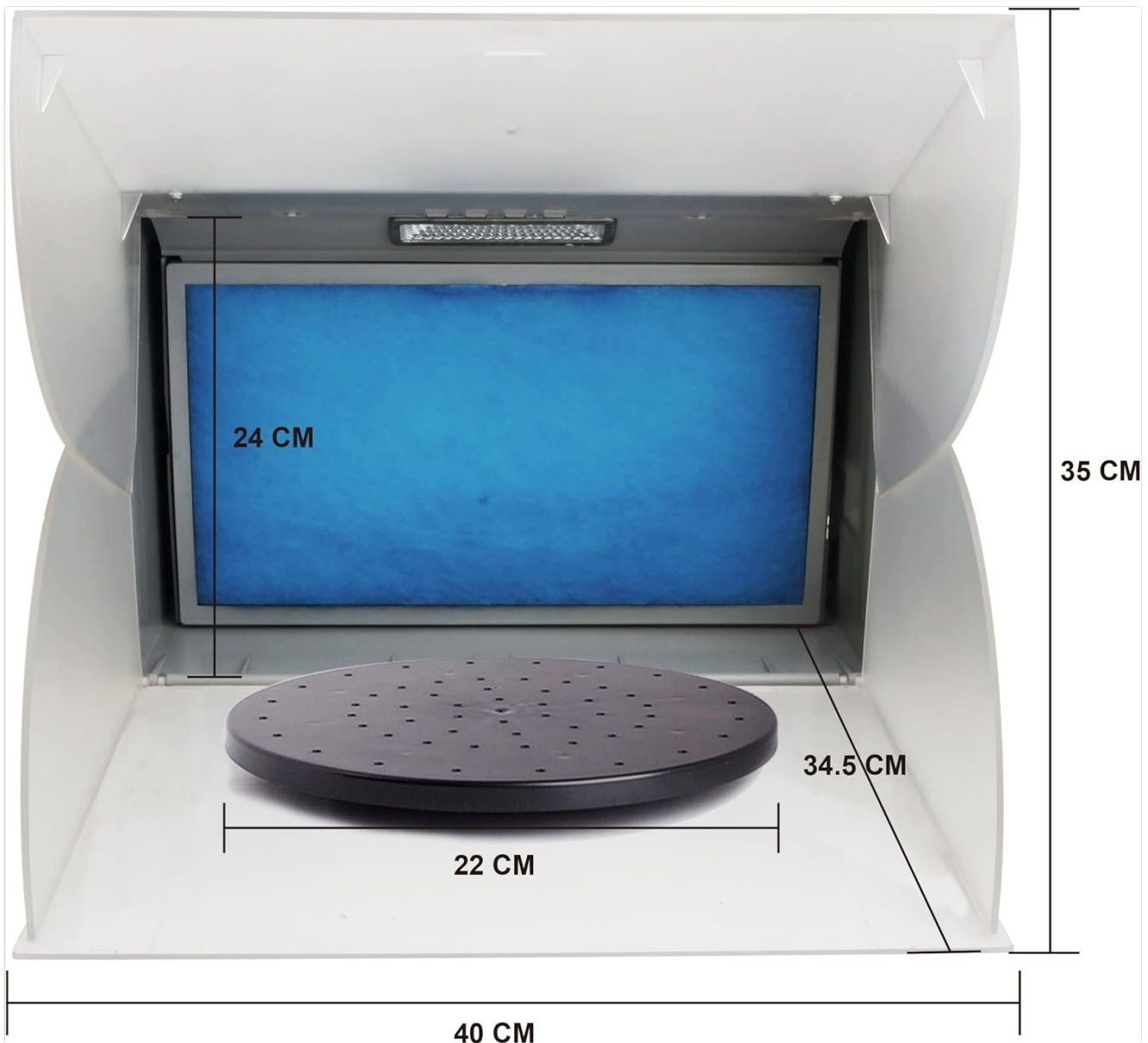


Image 8.2: Internal dimensions of the spray cabin.

9. WARRANTY AND SUPPORT

For warranty information, replacement parts (such as filters), or technical support, please contact TIMBERTECH customer service. Refer to your purchase documentation or the official TIMBERTECH website for contact details. Please note that the product has a 30-day refund/replacement return policy as per Amazon's buy box winner information. Specific warranty duration beyond this period should be confirmed with the manufacturer or seller.