

ATOMSTACK MAKER D2 Air Purifier

ATOMSTACK D2 Air Smoke Purifier User Manual

Model: D2 Air Purifier | Brand: ATOMSTACK MAKER

1. INTRODUCTION

The ATOMSTACK D2 Air Smoke Purifier is designed to effectively filter smoke and harmful particles generated during laser engraving and cutting processes. It features a multi-layer filtration system, including activated carbon and HEPA filters, to ensure a clean and safe working environment. This manual provides essential information for the proper setup, operation, and maintenance of your D2 Air Smoke Purifier.

2. SAFETY INFORMATION

Please read and understand all safety instructions before operating the device. Failure to follow these instructions may result in injury or damage to the product.

- **Proper Ventilation:** Always operate the air purifier in a well-ventilated area. While the purifier significantly reduces airborne particles, it does not eliminate all fumes.
- **Electrical Safety:** Ensure the power supply matches the device's requirements. Do not use damaged power cords or plugs. Keep the device away from water or damp environments.
- **Filter Handling:** Filters may contain hazardous substances. Always wear appropriate personal protective equipment (PPE), such as gloves and a mask, when handling used filters. Dispose of used filters according to local regulations.
- **Children and Pets:** Keep the device out of reach of children and pets.
- **Intended Use:** Use the purifier only for its intended purpose of filtering smoke and fumes from laser engraving and cutting.

3. PACKAGE CONTENTS

Please refer to your product packaging for a complete and detailed list of all included components. Typically, the package contains:

- ATOMSTACK D2 Air Smoke Purifier Unit

- Multi-layer Filter Element (pre-installed or separate)
- Power Adapter
- Exhaust Hose and Clamps (for connection to laser enclosure)
- User Manual

4. SETUP

Follow these steps to set up your ATOMSTACK D2 Air Smoke Purifier:

1. **Unpack:** Carefully remove all components from the packaging.
2. **Positioning:** Place the purifier on a stable, flat surface near your laser engraver and its protective enclosure. Ensure there is adequate space around the unit for proper airflow.
3. **Connect Exhaust Hose:** Attach one end of the exhaust hose to the designated port on the laser engraver's protective enclosure and the other end to the intake port on the D2 Air Smoke Purifier. Secure both ends with the provided clamps to prevent air leakage.
4. **Power Connection:** Connect the power adapter to the purifier and then plug it into a suitable power outlet.

For a visual guide on connecting the purifier, please refer to the official product video below.

Your browser does not support the video tag.

Video Description: Official product video demonstrating the setup, filtration process, and filter replacement for the ATOMSTACK D2 Air Smoke Purifier. This video highlights the purifier's compatibility and efficient operation.



255 M³/H
HIGH EFFICIENCY PURIFICATION

Using variable frequency motor, Strong
Suction Along with 8-layer filters, quickly filter
harmful substances in the smoke

Image Description: The ATOMSTACK D2 Air Smoke Purifier shown connected via an exhaust hose to a laser engraver's protective enclosure, ready for operation.

5. OPERATING INSTRUCTIONS

Operating the D2 Air Smoke Purifier is straightforward:

1. **Power On:** Press the power button located on the top of the unit to turn it on. The indicator light will illuminate.
2. **Start Laser Operation:** Begin your laser engraving or cutting task. The purifier will automatically draw in smoke and fumes from the enclosure.
3. **Filtration Process:** The air passes through the multi-layer filter system, which captures particles, odors, and harmful gases. Clean air is then released back into the environment.

4. **Power Off:** Once your laser task is complete, press the power button again to turn off the purifier.

The D2 Air Smoke Purifier is designed for high compatibility and can be used with most enclosed laser cutting machines on the market. It provides all-round purification of various harmful pollutants such as PM2.5, PM10, formaldehyde, and TVOC.

THE PURIFICATION EFFECT IS CLEAR AT A GLANCE

Effectively purify the air, eliminate invisible threats, protect your family's health



Image Description: A visual comparison showing significantly improved air quality (lower PM2.5, PM10, HCHO, TVOC levels) when using the ATOMSTACK D2 Air Smoke Purifier compared to operating without it.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your purifier.

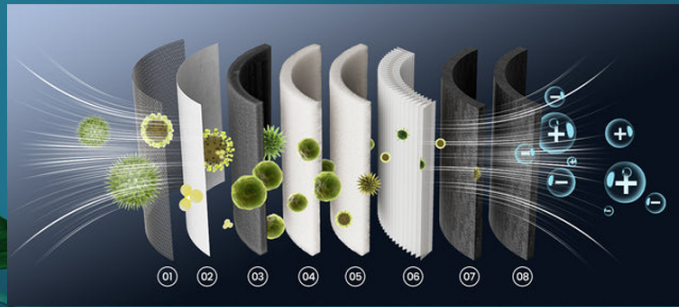
6.1 Filter Replacement

The D2 Air Smoke Purifier features an easy-to-replace filter element. A single filter element can be used for approximately three hours a day in normal laser cutting wood board, and can work continuously for 3 months, with a single continuous working time reaching 200 hours.

1. **Power Off:** Ensure the purifier is turned off and unplugged before attempting to replace the filter.
2. **Remove Top Cover:** Unscrew the retaining screws on the top cover and carefully lift it off.
3. **Remove Old Filter:** Lift out the used filter element. Dispose of it properly according to local waste disposal guidelines for hazardous materials.
4. **Install New Filter:** Insert the new filter element into the purifier, ensuring it is seated correctly.
5. **Replace Cover:** Place the top cover back on and secure it with the screws.

Refer to the official product video for a demonstration of the filter replacement process.

Layer Filters Specially Designed for LaserCutting 99.5% Purification Rate



- 1.** PROTECTIVE METAL MESH **2.** Melt blown non-woven fabric **3.** Composite electrostatic filter cotton
4/5. Ultra-efficient double-layer composite filter cotton **6.** H12 grade HEPA filter
7. High-iodine long-lasting granular activated carbon **8.** High-efficiency composite powder activated carbon

Image Description: An exploded view diagram illustrating the 8-layer filtration system of the ATOMSTACK D2 Air Smoke Purifier, highlighting components like protective metal mesh, melt-blown non-woven fabric, electrostatic filter cotton, HEPA filter, and activated carbon layers.

6.2 Cleaning the Exterior

Wipe the exterior of the purifier with a soft, dry cloth. Do not use abrasive cleaners or solvents.

7. TROUBLESHOOTING

If you encounter issues with your D2 Air Smoke Purifier, refer to the following common problems and solutions:

• Device Not Turning On:

- Check if the power adapter is securely plugged into both the purifier and the power outlet.
- Ensure the power outlet is functional.

• Low Airflow:

- Check if the exhaust hose is properly connected and not kinked or blocked.
- Inspect the filter for excessive dust or debris. It may need replacement.

• Unusual Noise:

- Ensure the purifier is placed on a stable surface.
- Check for any loose parts or obstructions inside the unit.

• Smoke Not Being Purified Effectively:

- Verify that the filter is correctly installed and not past its service life.
- Ensure the laser engraver's enclosure is sealed properly to prevent smoke leakage.

If the problem persists, please contact ATOMSTACK MAKER customer support for assistance.

8. SPECIFICATIONS

Feature	Detail
---------	--------

Model Number	D2 Air Purifier
Filtration System	3-Layer (or 8-layer as per video) with Activated Carbon + HEPA Filter
Purification Rate	99.5% (for smoke)
Noise Level	Less than 50 dB (working volume)
Filter Lifespan	Approx. 3 months (3 hours/day normal use) or 200 hours continuous use
Item Weight	12.92 pounds
Package Dimensions	19.5 x 12.5 x 11.5 inches

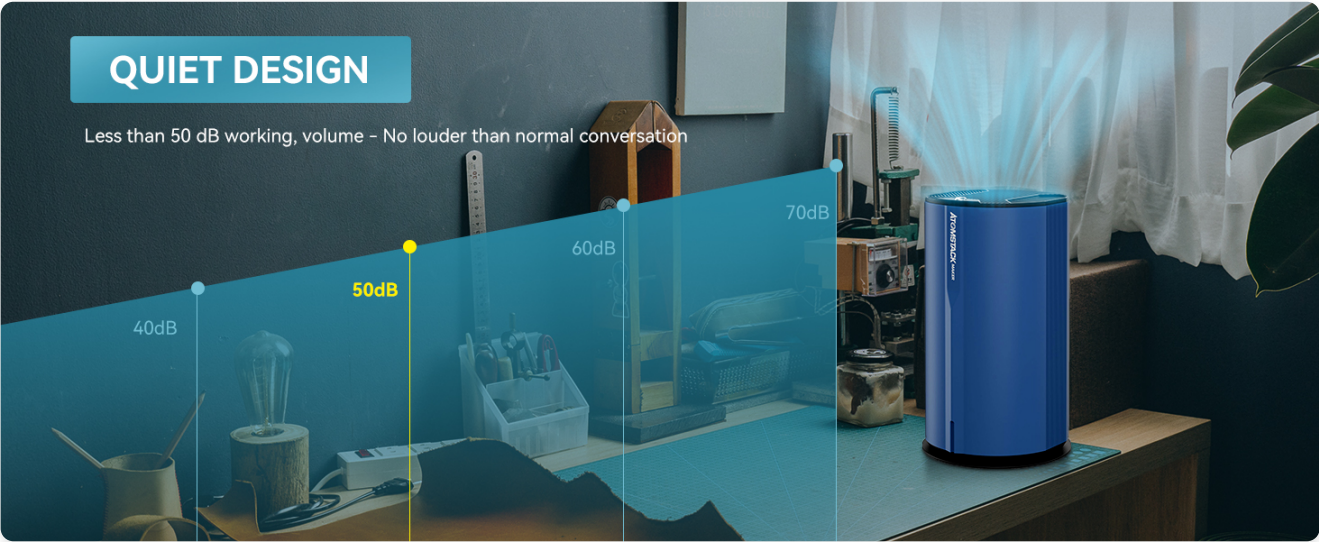


Image Description: An illustration demonstrating the quiet operation of the ATOMSTACK D2 Air Smoke Purifier, indicating a working volume of less than 50 dB, comparable to a quiet conversation.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official ATOMSTACK MAKER website. You can also contact their customer service directly through the contact information provided on their website or product packaging.

© 2023 ATOMSTACK MAKER. All rights reserved.

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

Anonymous

Email

you@example.com

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