DH Lifelabs SAHP-21WH12C

DH Lifelabs HEPA Air Purifier (SAHP-21WH12C) User Manual

Model: SAHP-21WH12C

1. INTRODUCTION

Thank you for choosing the DH Lifelabs HEPA Air Purifier. This device is designed to provide clean and fresh air in your living spaces, utilizing advanced filtration and ionization technologies. Please read this manual thoroughly before operation to ensure proper use, maintenance, and optimal performance of your air purifier.

Figure 1: DH Lifelabs HEPA Air Purifier with app interface.

2. SAFETY INFORMATION

To reduce the risk of fire, electric shock, or injury, please observe the following safety precautions:

- Always unplug the air purifier before moving, cleaning, or performing any maintenance.
- Do not operate the unit with a damaged cord or plug. If the cord or plug is damaged, contact customer support.
- Keep the air purifier away from water or other liquids. Do not immerse the unit in water.

- Do not block air inlets or outlets. Ensure proper ventilation around the unit.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- Use only DH Lifelabs replacement filters.

3. PRODUCT OVERVIEW

The DH Lifelabs HEPA Air Purifier combines multiple technologies to ensure comprehensive air purification:

- **3-Stage H13 TrueHEPA Filtration:** Includes a Pre-filter, H13 TrueHEPA filter, and Activated Carbon filter to capture 99.97% of airborne particles as small as 0.3 microns.
- **Ionizer (Plasma Generator):** Generates negative and positive ions to actively break down molecular structures of odors, bacteria, and viruses, eliminating 99.9% of them.
- **Smart Air Quality Sensor:** Monitors real-time air quality and automatically adjusts fan speed in Auto mode.
- **WiFi & Voice Control:** Connects to the DH Lifelabs App for remote control and is compatible with Google Home and Amazon Alexa.
- **Quiet Operation:** Features a Sleep Mode with noise levels as low as 23dB and a display LED off option.

Control Panel with IAQ Light Ring

Positive Ion Emitter

Negative Ion Emitter

3-IN-1 HEPA Filter

Figure 2: Internal components and airflow.

H13 HEPA 3-Stage Filtration

Removes 99.97% of airborne particles as small as 0.3 microns

Figure 3: Detailed view of the 3-Stage H13 HEPA Filtration.

H13 HEPA 3-Stage Filtration

Removes **99.97%**
of airborne particles as small as 0.3 microns

1. **High Efficiency Activated Carbon**
   Absorbs household odors, gases, and VOCs.

2. **Efficient HEPA Filter Captures**
   Pollen, and airborne particles as small as 0.3 microns

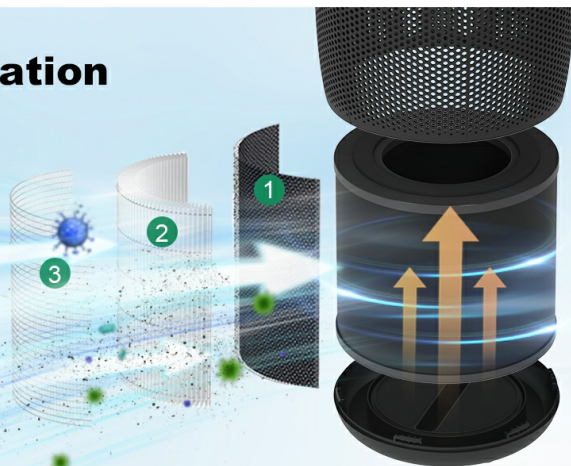3. **Pre-Filter**
   Captures dust, mold, odors and allergens

Figure 4: PlasmaShield Technology for active air ionization.

4. SETUP

4.1 Unboxing and Filter Installation

1. Carefully remove the air purifier from its packaging.

2. Turn the unit upside down. Twist the base cover counter-clockwise to unlock and remove it.

3. Remove the 3-in-1 HEPA filter, which is typically sealed in a plastic bag for freshness.

4. Remove the plastic packaging from the filter.

5. Insert the unwrapped filter back into the unit. Ensure it is seated correctly.

6. Replace the base cover and twist clockwise to lock it securely.

7. Place the air purifier upright on a flat, stable surface.

Figure 5: Filter installation guide.

4.2 Power Connection

- Connect the power adapter to the power port on the back of the air purifier.

- Plug the power adapter into a standard electrical outlet.

5. OPERATING INSTRUCTIONS
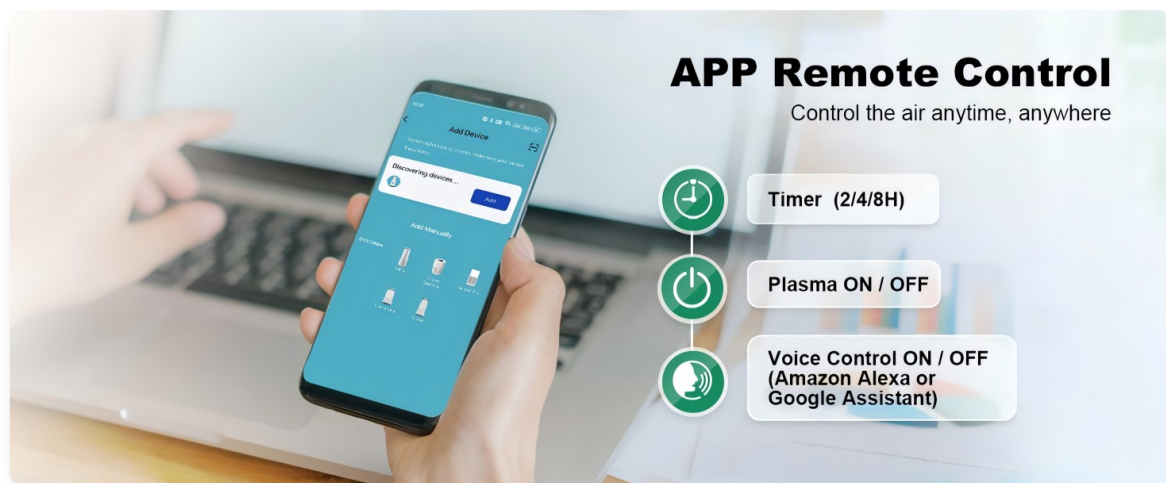
5.1 Control Panel Overview

Figure 6: Top control panel.

- **Power Button:** Press to turn the unit ON/OFF.

- **Fan Speed:** Adjusts fan speed (1, 2, 3) or activates Sleep Mode.

- **Auto Mode (A):** Activates the smart sensor to automatically adjust fan speed based on air quality.

- **Timer:** Sets the operating time (2H/4H/8H).

- **Light Mode:** Toggles the display LED ON/OFF.

- **WiFi Indicator:** Shows WiFi connection status.

- **Filter Indicator:** Illuminates when filter replacement is needed.

5.2 Modes of Operation

- **Auto Mode:** The air quality sensor continuously monitors the surrounding air. The fan speed will automatically adjust to optimize purification based on detected pollutants. Air quality is indicated by a 3-color LED ring (Blue: Good, Yellow: Moderate, Red: Poor).

- **Sleep Mode:** Reduces fan speed to the lowest setting (23dB) and turns off the display LED for undisturbed rest.

- **Timer Function:** Set the purifier to operate for a specific duration (2, 4, or 8 hours) before automatically shutting off.

Figure 7: Smart Sensor Auto Mode indicators.

5.3 WiFi App & Voice Control

Connect your air purifier to the DH Lifelabs App for enhanced control and monitoring:

1. Download the "DH Lifelabs" app from your smartphone's app store.

2. Follow the in-app instructions to connect your air purifier to your home WiFi network.

3. Once connected, you can remotely control the unit, adjust settings, and monitor air quality from anywhere.

4. The air purifier is compatible with Google Home and Amazon Alexa for hands-free voice control.

APP Remote Control

Control the air anytime, anywhere

Timer (2/4/8H)

Plasma ON / OFF

Voice Control ON / OFF (Amazon Alexa or Google Assistant)

Figure 8: App remote control interface.

6. MAINTENANCE

6.1 Filter Replacement

The filter indicator light on the control panel will illuminate when it's time to replace the filter. Filter life can vary based on usage and air quality.

1. Unplug the air purifier from the power outlet.
2. Turn the unit upside down and remove the base cover.
3. Remove the old filter.
4. Insert a new DH Lifelabs 3-in-1 HEPA filter (ensure plastic packaging is removed).
5. Replace and lock the base cover.
6. Plug the unit back in. Press and hold the Filter Reset button on the control panel for 3 seconds to reset the filter life indicator.

6.2 Cleaning the Unit

- Wipe the exterior of the air purifier with a soft, dry cloth.

- Do not use abrasive cleaners or solvents.
- The pre-filter component of the 3-in-1 filter can be gently vacuumed to extend its life, but the entire filter should be replaced as indicated.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; Filter not installed correctly	Check power connection; Ensure filter is unwrapped and base cover is locked.
Poor air purification effect	Filter is dirty; Room size exceeds capacity	Replace filter; Ensure unit is used in a room within its recommended coverage area.
Abnormal noise	Foreign object in fan; Unit not on a flat surface	Unplug and check for obstructions; Place on a stable, flat surface.
Cannot connect to WiFi App	Incorrect WiFi password; Router issues; App not updated	Verify WiFi password; Restart router; Update DH Lifelabs App.

8. SPECIFICATIONS

- **Model Number:** SAHP-21WH12C
- **Product Dimensions:** 9.06"D x 9.06"W x 14.96"H
- **Item Weight:** 8.5 Pounds
- **Power Source:** AC
- **Filter Type:** 3-Stage H13 TrueHEPA Filter (Pre-filter, H13 TrueHEPA, Activated Carbon)
- **Coverage Area:** Up to 1026 SqFt/hr (214 SqFt, 4.8 air changes/hr)
- **Noise Level:** 23dB (Sleep Mode)
- **Connectivity:** WiFi, Google Home, Amazon Alexa

9. OFFICIAL PRODUCT VIDEO

Your browser does not support the video tag.

Video 1: DH Lifelabs Sciaire Technology Overview. This video explains the core technology behind the air purifier's operation, including its ionization process.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your DH Lifelabs HEPA Air Purifier, please refer to the official DH Lifelabs website or contact their customer service directly. Keep your purchase receipt for warranty claims.

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