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BLUEAIR 5210i

BLUEAIR DustMagnet 5210i Air Purifier User Manual

Model: 5210i | Brand: BLUEAIR

1. INTRODUCTION

The BLUEAIR DustMagnet 5210i is an advanced air purifier designed to improve indoor air quality by effectively removing airborne particles such as dust, pet dander, smoke, mold, pollen, bacteria, and viruses. Featuring HEPASilent™ dual filtration technology and smart capabilities, this unit provides efficient and quiet air purification for small to medium-sized rooms.

This manual provides essential information for the safe and effective use of your DustMagnet 5210i air purifier, including setup, operation, maintenance, and troubleshooting.

2. SAFETY INFORMATION

Please read all safety instructions carefully before operating the appliance to reduce the risk of fire, electric shock, or injury.

- Always unplug the air purifier before moving, cleaning, or performing maintenance.
- Do not operate the appliance with a damaged cord or plug.
- Keep the power cord away from heated surfaces.
- Do not use the air purifier in wet or damp environments, such as bathrooms.
- Ensure proper ventilation around the unit; do not block air inlets or outlets.
- This appliance is not intended for use by persons with reduced physical, sensory, or mental capabilities unless supervised or instructed by a responsible person.
- Only use original BLUEAIR replacement filters.

3. PRODUCT OVERVIEW

The DustMagnet 5210i features a sleek design with a convenient tabletop surface. It utilizes HEPASilent™ dual filtration technology for maximum filtration with minimum noise. Key components include the control panel, air inlets, air outlets, and dual filters.



Figure 3.1: BLUEAIR DustMagnet 5210i Air Purifier. This image shows the complete air purifier unit, highlighting its compact and modern design suitable for various room settings.

3.1 Control Panel

The top of the unit features an intuitive control panel with touch buttons and LED indicators for easy operation.

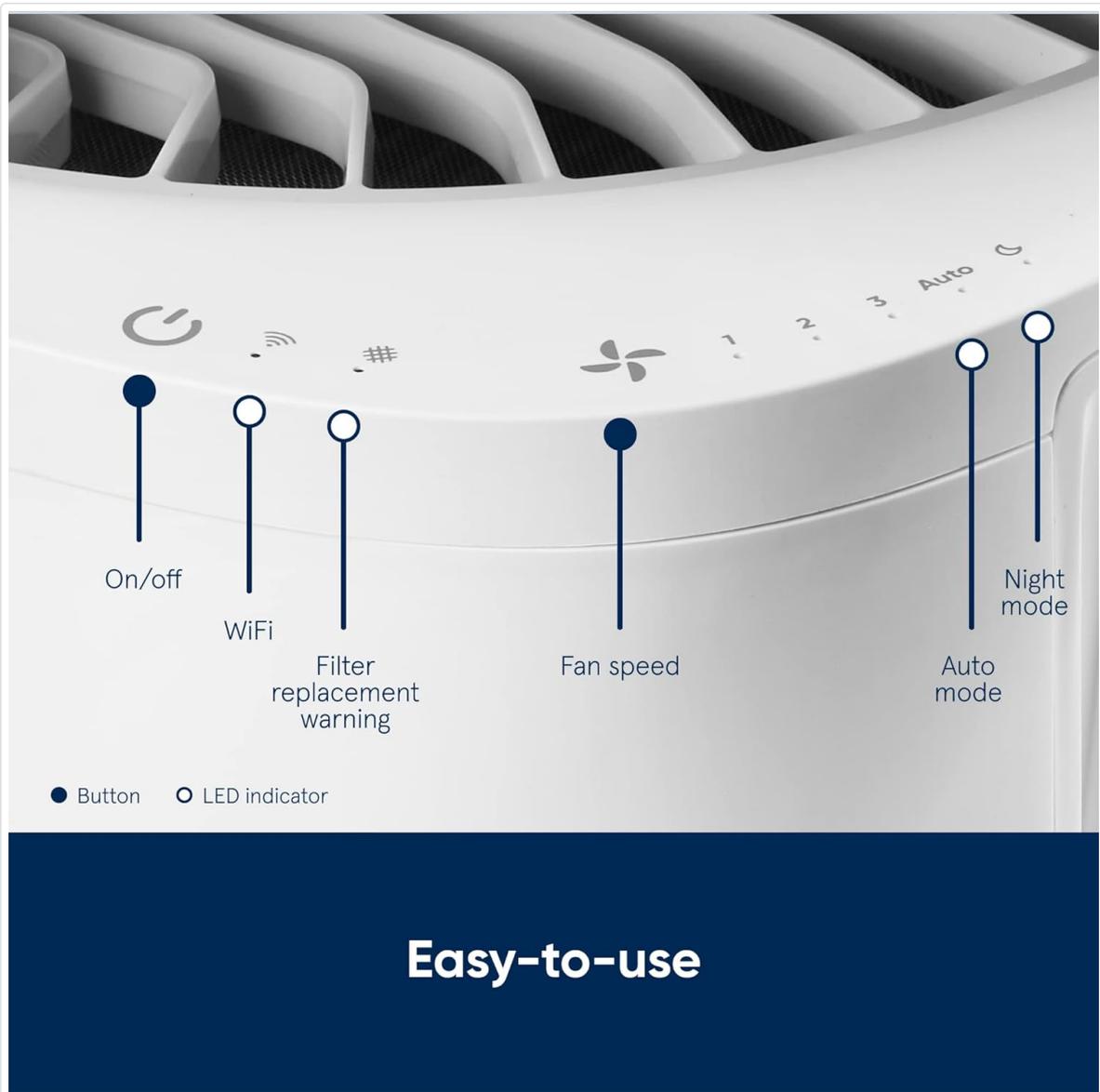
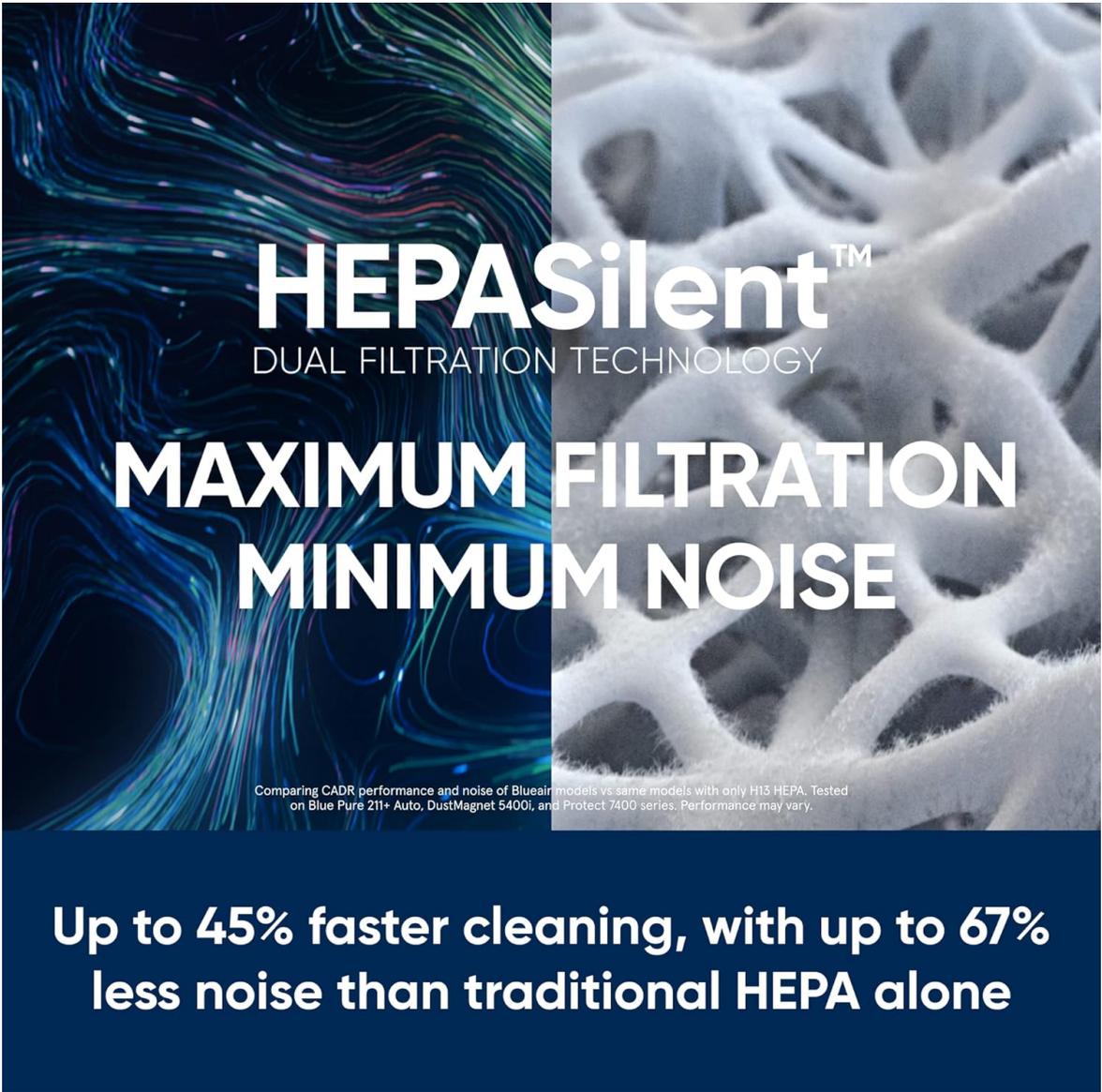


Figure 3.2: Control Panel. This image details the control panel buttons and LED indicators, including On/Off, WiFi, Filter Replacement Warning, Fan Speed, Auto Mode, and Night Mode.

- **On/Off Button:** Powers the unit on or off.
- **WiFi Indicator:** Shows connection status to the Blueair app.
- **Filter Replacement Warning:** Illuminates when it's time to replace filters.
- **Fan Speed Button:** Cycles through fan speeds (1, 2, 3).
- **Auto Mode Button:** Activates automatic fan speed adjustment based on air quality.
- **Night Mode Button:** Lowers fan speed and dims LED lights for quiet operation.

3.2 HEPASilent™ Dual Filtration Technology

This technology combines mechanical filtration with electrostatic charging to capture 99.97% of airborne particles down to 0.1 micron, including smoke, dust, viruses, and pet dander. The integrated carbon filter also traps light household odors.

The graphic is split into two vertical panels. The left panel features a dark blue background with vibrant, swirling patterns of light in shades of green, cyan, and blue, resembling a fluid or air flow. The right panel shows a close-up, grayscale image of a HEPA filter's pleated structure. Overlaid on the top of the graphic is the text 'HEPASilent™' in a large, white, sans-serif font, with 'DUAL FILTRATION TECHNOLOGY' in a smaller font directly below it. In the center, the words 'MAXIMUM FILTRATION' and 'MINIMUM NOISE' are written in large, bold, white, sans-serif capital letters. At the bottom of the graphic, a dark blue horizontal bar contains the text 'Up to 45% faster cleaning, with up to 67% less noise than traditional HEPA alone' in white, bold, sans-serif font. A small, fine-print disclaimer is located at the bottom left of the graphic, just above the dark blue bar.

HEPASilent™
DUAL FILTRATION TECHNOLOGY

MAXIMUM FILTRATION
MINIMUM NOISE

Comparing CADR performance and noise of Blueair models vs same models with only H13 HEPA. Tested on Blue Pure 211+ Auto, DustMagnet 5400i, and Protect 7400 series. Performance may vary.

Up to 45% faster cleaning, with up to 67% less noise than traditional HEPA alone

Figure 3.3: HEPASilent™ Dual Filtration Technology. This image illustrates the concept of HEPASilent technology, showing how it achieves maximum filtration with minimum noise compared to traditional HEPA.

4. SETUP

4.1 Unpacking and Placement

1. Carefully remove the air purifier from its packaging.
2. Place the unit on a flat, stable surface. Ensure there is at least 4 inches (10 cm) of clear space around the unit for optimal airflow.
3. The DustMagnet 5210i is designed for rooms up to 212 sq. ft. for optimal performance.

4.2 Filter Installation

The unit comes with two combo-filters. Ensure they are correctly installed before first use.

1. Unplug the unit from the power outlet.
2. Open the filter compartments (refer to product diagram for location).
3. Insert the filters. For the top filter, ensure the white accordion folds face upwards. For the bottom filter, ensure the black charcoal side faces upwards. While filter direction does not affect efficiency, this orientation is recommended for consistency.

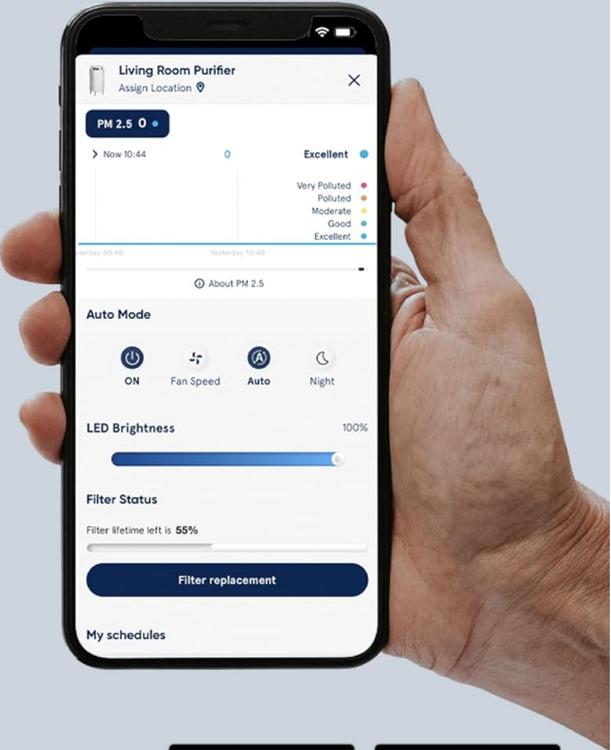
4. Close the filter compartments securely.

4.3 Power Connection

Plug the power cord into a grounded electrical outlet.

4.4 Connecting to the Blueair App

For advanced features and remote control, download the Blueair app from your smartphone's app store. Follow the in-app instructions to connect your DustMagnet 5210i to your home Wi-Fi network.



✓ Smart sensors
Track levels of coarse particles like dust, pollen, mold spores, ash and fine particles like smoke, viruses, and bacteria.*

✓ Clean air ETA
If pollutant levels creep up, app counts down progress with real-time updates until air is clean.

✓ Welcome home
Saves time and conserves energy while ensuring clean air when entering your home.

✓ Night mode
Lowers fan speed and dims LED lights for uninterrupted sleep.

✓ Voice Control
With Amazon Alexa & Google Home control

Download on the **App Store** | GET IT ON **Google Play**

Advanced in-app features

Figure 4.1: Blueair App Interface. This image displays the Blueair app interface, showing smart sensor tracking, Clean Air ETA, Welcome Home function, Night Mode, and Voice Control integration with Alexa and Google Home.

The app allows you to:

- Track real-time air quality.
- Adjust fan speed and operating modes remotely.
- Set schedules and activate features like 'Welcome Home'.
- Monitor filter life and receive replacement reminders.
- Integrate with Amazon Alexa and Google Home for voice control.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Press the **On/Off** button on the control panel to turn the unit on or off.

5.2 Adjusting Fan Speed

Press the **Fan Speed** button to cycle through three fan speeds (1, 2, 3). The corresponding LED indicator will light up.

5.3 Auto Mode

Press the **Auto Mode** button to activate. In Auto Mode, the air purifier automatically adjusts its fan speed based on the detected air quality, optimizing performance and energy consumption.

5.4 Night Mode

Press the **Night Mode** button. This mode lowers the fan speed to its quietest setting (23 dB) and dims the LED lights for an undisturbed sleep environment.



Figure 5.1: Night Mode Sound Levels. This image illustrates the low noise level of the air purifier in Night Mode (23 dB), comparable to a whisper, ensuring quiet operation for better sleep.

5.5 Child Lock

To prevent unintended changes to settings, activate the Child Lock feature via the Blueair app. This deactivates the control buttons on the unit itself, allowing control only through the app.

5.6 Air Quality Indicator

The unit features a 5-color LED indicator that provides real-time feedback on your indoor air quality. Refer to the Blueair app for detailed information on pollutant levels.

5.7 Official Product Video

Your browser does not support the video tag.

Video 5.1: Product Overview. This video provides a general overview of the BLUEAIR DustMagnet 5210i Air Purifier, demonstrating its features and operation.

6. MAINTENANCE

6.1 Filter Replacement

The filter replacement warning indicator on the control panel will illuminate when it's time to replace the filters. For optimal performance, filters should be replaced approximately every 6 months, depending on usage and air quality.

1. Unplug the air purifier from the power outlet.
2. Open the filter compartments.
3. Remove the old filters and dispose of them responsibly.
4. Install new original BLUEAIR combo-filters, ensuring correct orientation as described in Section 4.2.
5. Close the filter compartments securely.
6. Plug the unit back in. The filter warning light should reset automatically. If not, consult the troubleshooting section or the Blueair app.

6.2 Cleaning the Unit

Regular cleaning helps maintain the efficiency and appearance of your air purifier.

- **Exterior:** Wipe the exterior surfaces with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Pre-filters:** The stainless steel pre-filters can be gently wiped clean to remove accumulated dust.
- Do not immerse the unit in water or allow water to enter the air outlets.

7. TROUBLESHOOTING

If you experience issues with your DustMagnet 5210i, refer to the table below for common problems and solutions. For more detailed troubleshooting, consult the Blueair app or the official Blueair support website.

Problem	Possible Cause	Solution
Unit does not turn on.	No power, power cord loose.	Check power connection, ensure outlet is functional.

Problem	Possible Cause	Solution
Airflow is weak or air quality not improving.	Clogged filters, unit in low fan speed.	Check filter replacement indicator; replace filters if needed. Increase fan speed or activate Auto Mode.
Filter replacement indicator remains on after changing filters.	Sensor not reset, filter not installed correctly.	Ensure filters are seated properly. Consult the Blueair app for manual reset instructions if necessary.
Cannot connect to Wi-Fi or Blueair app.	Incorrect Wi-Fi password, router issues, unit too far from router.	Verify Wi-Fi password. Restart router and air purifier. Move unit closer to router. Ensure 2.4GHz network is used.
Unusual noise from the unit.	Obstruction in fan, loose component.	Unplug the unit and check for any foreign objects. If noise persists, contact customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	5210i
Brand	BLUEAIR
Product Dimensions (D x W x H)	9.1" x 9.1" x 20.5" (23.1 cm x 23.1 cm x 52.1 cm)
Item Weight	6.03 pounds (2.74 kg)
Floor Area Coverage	212 Square Feet (optimal)
Noise Level	23 dB (Night Mode) - 31 dB (Low)
Wattage	22 watts (max)
Particle Retention Size	0.1 Micron
Controller Type	Touch Panel, Blueair App, Amazon Alexa, Google Home
Specification Met	AHAM Certified, ENERGY STAR rated
UPC	689122015200

Space size	Time to clean air	ACH Air changes per hour
212 ft ²	12.5 minutes	4.8 ACH 
254 ft ²	15 minutes	4 ACH
339 ft ²	20 minutes	3 ACH
508 ft ²	30 minutes	2 ACH
1017 ft ²	60 minutes	1 ACH



Clean air in a matter of minutes

Figure 8.1: Air Changes Per Hour (ACH) and Time to Clean Air. This table illustrates the performance of the air purifier across different room sizes, showing the time required to achieve clean air and the corresponding ACH rating.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

BLUEAIR products are manufactured to the highest quality standards. For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official BLUEAIR website. Keep your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, replacement parts, or general inquiries, please contact BLUEAIR customer support. You can find contact information on the official BLUEAIR website or through the Blueair app.

Online Resources:

- [Official BLUEAIR Website](#)
- [BLUEAIR Support Page](#)

