

BLUEAIR 5410i

BLUEAIR DustMagnet 5410i Air Purifier User Manual

Model: 5410i

1. INTRODUCTION

Welcome to the user manual for your BLUEAIR DustMagnet 5410i Air Purifier. This device is designed to improve indoor air quality by effectively removing dust, allergens, odors, and other airborne particles. Featuring HEPASilent™ dual filtration technology, the DustMagnet 5410i offers efficient air cleaning with minimal noise. Please read this manual thoroughly before operating your air purifier to ensure safe and optimal performance.

2. IMPORTANT SAFETY INFORMATION

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, or injury.

- Do not operate the air purifier 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.
- Ensure the air inlet and outlet are not blocked.
- Unplug the appliance before moving, cleaning, or replacing filters.
- 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.

3. PRODUCT OVERVIEW

The BLUEAIR DustMagnet 5410i is designed with a sleek, functional aesthetic. Key components include the main unit, dual ComboFilters, and a control panel.



Figure 3.1: BLUEAIR DustMagnet 5410i Air Purifier and App Interface

This image shows the complete air purifier unit in white, featuring its unique design with a top air outlet and side air inlets. A smartphone next to it displays the Blueair app, illustrating smart control capabilities.

3.1 Control Panel

The control panel is located on the top surface of the unit, providing easy access to essential functions.

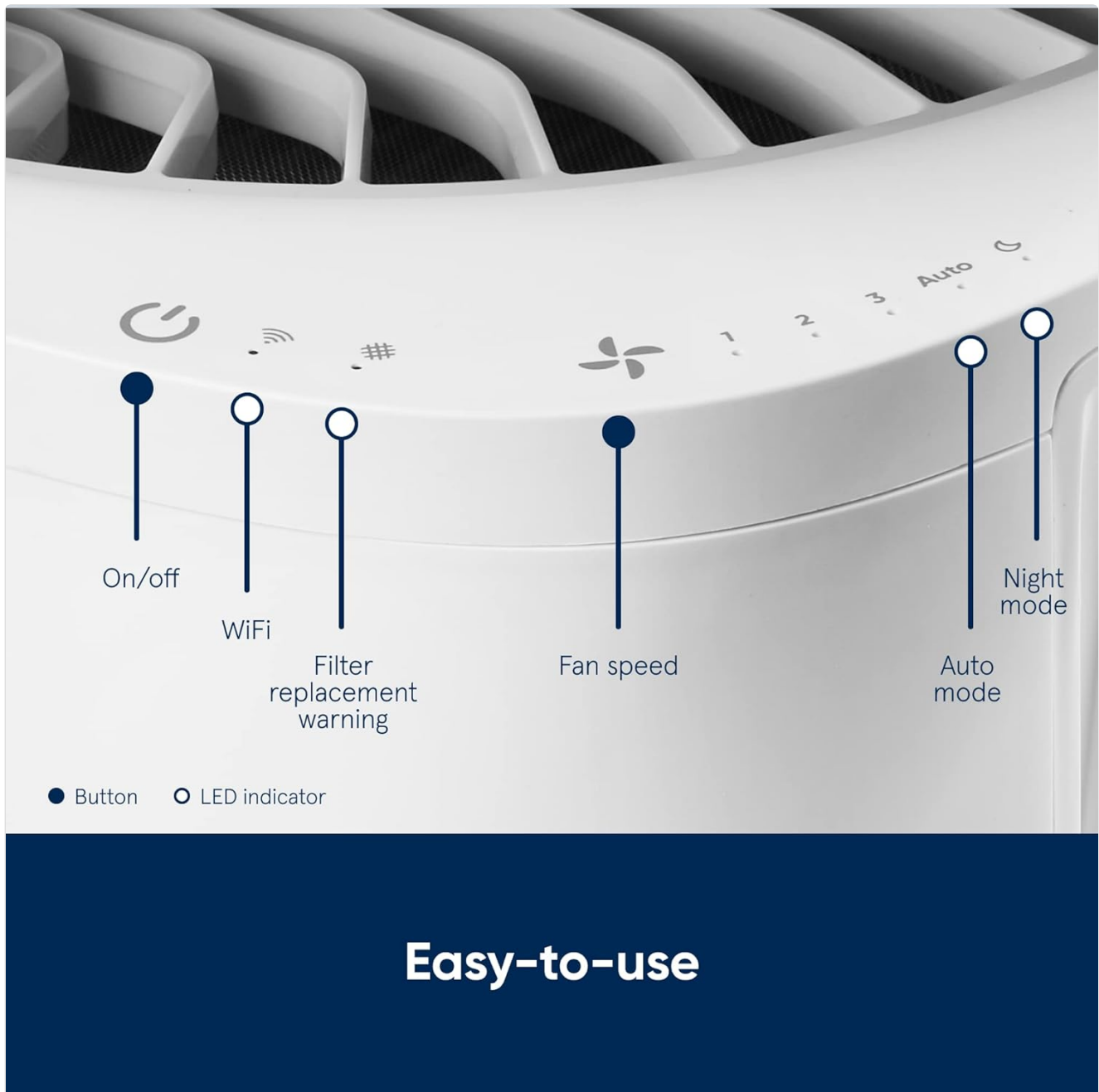


Figure 3.2: Control Panel Layout

This close-up image details the control panel, highlighting buttons for On/Off, WiFi, Filter Replacement Warning, Fan Speed, Night Mode, and Auto Mode, along with their corresponding LED indicators.

- **On/Off Button:** Powers the unit on or off.
- **WiFi Indicator:** Shows the status of the WiFi connection.
- **Filter Replacement Warning:** Illuminates when filters need replacement.
- **Fan Speed Button:** Cycles through fan speed settings (1, 2, 3).
- **Night Mode Button:** Activates or deactivates Night Mode.
- **Auto Mode Button:** Engages or disengages automatic fan speed adjustment based on air quality.

4. SETUP AND INSTALLATION

4.1 Unpacking

1. Carefully remove the air purifier from its packaging.
2. Remove all protective plastic films and packaging materials.

4.2 Filter Installation

The DustMagnet 5410i uses two ComboFilters. Ensure they are correctly installed for optimal performance.

1. Locate the filter compartments, typically at the bottom of the unit.
2. Open the filter compartment covers.
3. Insert the ComboFilters. Ensure the arrows on the filters point inwards, towards the center of the unit.
4. Close the filter compartment covers securely.

4.3 Placement

For best results, place the air purifier in a location where it can effectively circulate air throughout the room.

- Place the unit on a flat, stable surface.
- Ensure there is at least 4 inches (10 cm) of clear space around the air inlet and outlet.
- Avoid placing it directly against walls or furniture that could obstruct airflow.

4.4 Power Connection

Plug the power cord into a grounded electrical outlet.

4.5 App Connection (Optional)

To unlock advanced features and remote control, connect your air purifier to the Blueair app.

1. Download the "Blueair" app from your smartphone's app store (available on App Store and Google Play).
2. Follow the in-app instructions to pair your DustMagnet 5410i with your device.
3. The app allows for real-time tracking of air quality, remote control, scheduling, and integration with smart home systems like Amazon Alexa and Google Home.

The advertisement features a split background. The left side shows a blue and green abstract pattern representing air flow, while the right side shows a close-up of a white HEPA filter. The text is centered and reads: **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 4.1: Blueair App Interface

This image illustrates the Blueair mobile application, showing features like air quality tracking, fan speed control, night mode, and filter status, emphasizing the smart capabilities of the device.

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 Fan Speed Adjustment

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

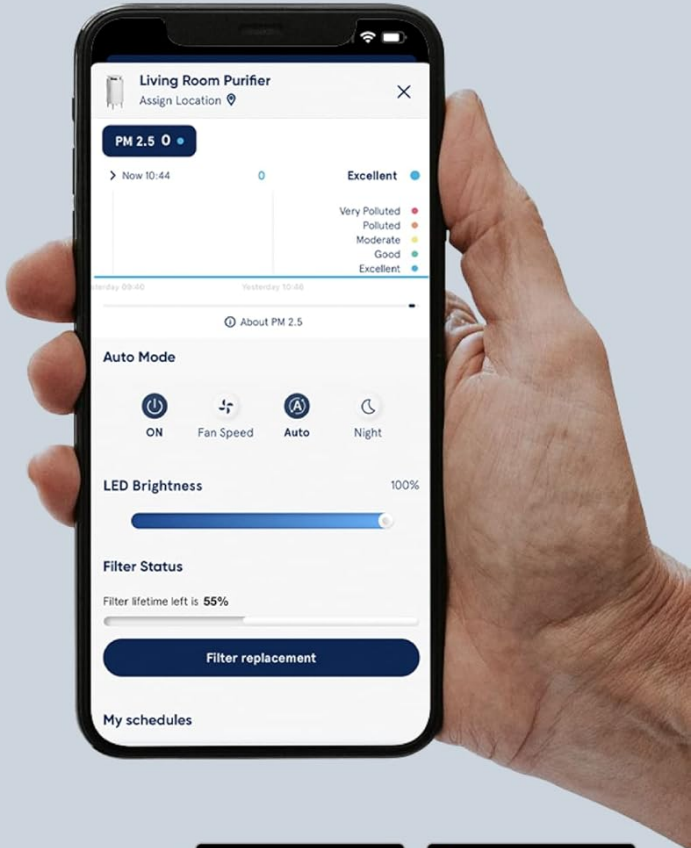
5.3 Auto Mode

Activate **Auto Mode** by pressing its dedicated button. In this mode, the air purifier automatically adjusts the fan speed based on real-time air quality detected by its sensors.

5.4 Night Mode

Press the **Night Mode** button to engage a quieter operation setting. In Night Mode, the fan speed is lowered, and LED indicators are dimmed for an undisturbed environment.

- ✓ **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 5.1: Quiet Operation in Night Mode

This image shows the air purifier in a bedroom, emphasizing its low noise level (30dB) compared to common household sounds like a washing machine or electric toothbrush, highlighting its suitability for quiet environments.

5.5 Clean Air Delivery

The DustMagnet 5410i is designed for efficient air cleaning in various room sizes.



Quietly powerful for better sleep

Figure 5.2: Clean Air Delivery Performance

This chart illustrates the time required to clean the air in various room sizes, from 357 sq ft (12.5 minutes) to 1713 sq ft (60 minutes), along with the corresponding Air Changes Per Hour (ACH) ratings.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your air purifier. Always unplug the unit before performing any maintenance.

6.1 Filter Replacement

The filter replacement warning indicator on the control panel will illuminate when it's time to replace the ComboFilters. Typically, filters should be replaced every 6-12 months, depending on usage and air quality.

1. Unplug the air purifier from the power outlet.
2. Open the filter compartment covers.
3. Remove the old filters and dispose of them responsibly.

4. Insert new genuine BLUEAIR ComboFilters, ensuring the arrows on the filters point inwards.
5. Close the filter compartment covers.
6. Plug in the air purifier. The filter warning light should reset automatically. If not, consult the troubleshooting section or the Blueair app.

6.2 Pre-filter Cleaning

The DustMagnet 5410i features stainless steel pre-filters that attract larger dust particles. These should be cleaned regularly.

- Unplug the unit.
- Gently wipe the stainless steel pre-filters with a soft, dry cloth or use a vacuum cleaner with a brush attachment to remove accumulated dust.
- Do not use water or liquid cleaners on the pre-filters.

6.3 Exterior Cleaning

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

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not turn on.	No power supply.	Ensure the power cord is securely plugged into a working outlet.
Airflow is weak or noise increases.	Clogged filters or blocked air inlets/outlets.	Clean pre-filters. Check if main filters need replacement. Ensure no obstructions around the unit.
Filter replacement indicator remains on after changing filters.	Filter reset not performed or issue with sensor.	Refer to the Blueair app for filter reset instructions or contact customer support.
Cannot connect to Wi-Fi or app.	Incorrect Wi-Fi password, router issues, or app pairing error.	Ensure correct Wi-Fi password. Restart router and air purifier. Re-attempt pairing via the Blueair app. Check app for specific connection tips.
Unusual odors from the unit.	Filters are saturated or new filters off-gassing.	Replace filters if they are old. New filters may have a slight odor initially, which should dissipate.

8. SPECIFICATIONS

Feature	Detail
Model	DustMagnet 5410i
Brand	BLUEAIR

Feature	Detail
Dimensions (D x W x H)	11.4" x 11.4" x 21.3"
Item Weight	7.83 pounds
Recommended Room Size	Up to 357 sq ft (33 m ²)
Clean Air Delivery Rate (CADR)	230 (Smoke), 255 (Pollen), 240 (Dust)
Noise Level	30 dB (on low)
Power Consumption	7W (on low)
Filtration Technology	HEPASilent™ Dual Filtration (Particle + Carbon)
Particle Retention Size	0.1 Micron
Connectivity	Wi-Fi, Amazon Alexa, Google Home
Certifications	AHAM Certified, CARB Certified, Energy Star Certified
UPC	689122019130, 689122015187

9. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official BLUEAIR website.

If you encounter any issues not covered in this manual or require further assistance, please contact BLUEAIR Customer Support.

- **Online Support:** Visit www.blueair.com/us/support
- **Phone Support:** Refer to your product packaging or the BLUEAIR website for regional contact numbers.