Blueair

Blueair Classic 400 series

User Manual

Before using Blueair Classic 400 series, please read this user manual carefully.

Note:
There may be local variations of this model.

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General

Blueair 400 series

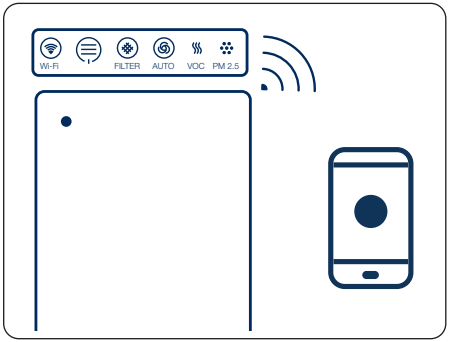
Blueair 400 series air purifiers are Wi-Fi enabled and are available in two models. The 480i/490i models have built-in sensors for PM2.5, VOC, temperature/humidity, and the 405 models with no built-in sensors.

Adjustments to the air purifiers can be made manually anywhere and at any time, either via the touch buttons on the control panel located under the flip-up lid, or remotely via the Blueair Friend™ mobile app.

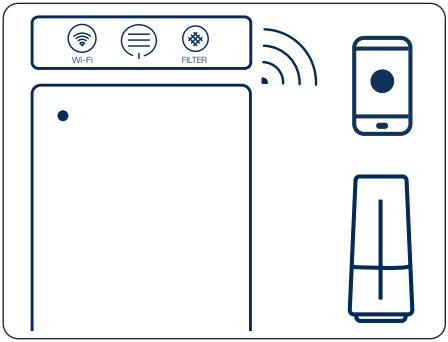
The air purifier can also be automatically regulated based on the air quality readings from the built-in sensors (480i/490i), or the optional external air quality monitor Blueair Aware™ (405)

For more information on how to use your air purifier together with the Blueair Aware air quality monitor, please see the Blueair Aware owner's manual and the support information.

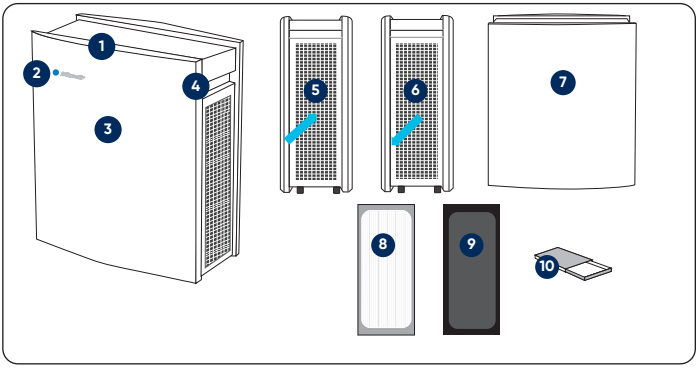
480i/490i model



405 model



Overview of unit



1. Control panel
2. Blue LED
3. Front cover
4. Handle
5. Air inlet (right side)
6. Air outlet (left side))
7. Back cover
8. Particle filter, or
9. Smokestop™ filter
10. Welcome kit
    - welcome card
    - user manual

Adjusting fan (air flow) speed

Please refer to the table below to see the different options available for controlling your air purifier.

Control options	480i/490i	405
Manual control via touch buttons on control panel		
Remotely via the Blueair Friend mobile app.		
Automode based on air quality readings from the built in sensors. This function may be activated either via the touch button on the control panel or via the Blueair Friend mobile app.		
Automode based on air quality readings from the external air quality monitor Blueair Aware. This function is activated via the Blueair Friend mobile app.		

Maximum speed is recommended for fast initial cleaning, during the day or when the air is heavily polluted. Minimum speed is recommended for nighttime use.

Safety information

The Blueair 405 and 480i/490i air purifiers are electrical appliances. Please read the safety instructions before use and take the necessary precautions to reduce the risk of fire, electric shock or injury.

WARNING: Indicates a hazardous situation that, if not avoided, could result in death or serious injury.

CAUTION: Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

General

- Use the grounded power cable provided with your Blueair air purifier unit to plug directly into an appropriate, grounded electrical outlet. (Refer to the rating label on your unit)
- Do not alter the plug in any way.

Intended use

CAUTION: Supervise children to ensure that they do not play with the appliance.

- 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.

Hereby, Blueair AB, declares that the radio equipment type YXXZ-CC is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.blueair.com/customer-support

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This Class B digital apparatus complies with Canadian ICES-003.

FCC RF Radiation Exposure Statement Caution: This Transmitter must be installed to provide a separation

FC CE FCC ID: 2AEX3-4XXZ-CC
IC: 20267-405

Placing the unit

Place the unit in a location where air can circulate freely in, out and around the unit.

Do not place the unit closer than 4" (10 cm) from another object.

Do not place the unit directly on or against soft furnishings such as bedding or linen.

Do not place the unit near sources of heat, such as radiators, fireplaces or ovens.

Do not place the unit near wet areas, such as bathrooms or laundry rooms where it may come into contact with water.

Do not place the unit outdoors

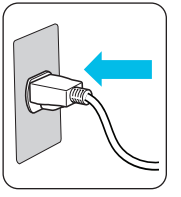
Getting started

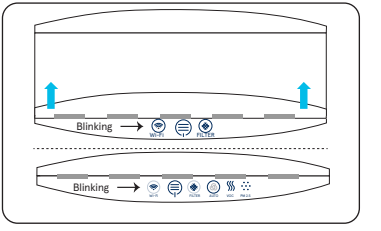
Connecting your air purifier - 480i/490i and 405

Follow the instructions below to connect your air purifier to your Blueair Friend mobile app. You can then enable remote control.

Step 1

Plug the fixed power cable into a grounded wall outlet. If you have a unit with a removable power cable, then plug the cable firmly and completely into the recessed power cable socket located at the bottom of the unit before plugging the other end of the power cable into a grounded wall outlet.





Open the flip-up lid and press the airflow speed touch button. When the Wi-Fi symbol starts to blink, the air purifier can be paired with the Blueair Friend mobile app.

Step 2

Download the Blueair Friend mobile app to your smartphone from your app store (Apple App Store or Google Play).

Step 3

Connect your unit to your Blueair Friend mobile app. Start the app and follow the instructions.

After connecting your air purifier to the Blueair Friend mobile app, you can use the app to control the unit remotely and adjust settings.

Control panel and touch buttons

The control panel and touch buttons are located under the flip-up lid (see **Step 2 "Starting up the unit"**). A grey circle around a touch button indicates that it is inactive. When the unit is turned on, all touch buttons except the air flow speed control button, dim down after 20 seconds. Tap the control panel and the touch buttons will light up again.

Classic 405 control panel touch buttons



Wi-Fi
Status grey - OFF (no Wi-Fi)



Status "blinking" - no connection.
Wi-Fi ready to be connected.



Status grey and blue
Wi-Fi connected

Air flow speed control
Status grey - OFF



Status blue and all bars are grey -
the power cable is plugged in.



Status 1 blue bar - minimum speed



Status 2 blue bars - medium speed



Status 3 blue bars - maximum speed



Filter
Status grey and blue -no replacement
filter currently needed.



Status orange - replace filter and
reset by pressing down for 5 seconds.

Classic 480i/490i control panel touch buttons



Auto speed
Status circle blue - unit is on
Status symbol grey - Auto speed OFF
Status symbol blue - Auto speed ON

VOC indicator
Status blue - from excellent to moderate pollution levels
Status orange - from slight to high pollution levels

PM2.5 indicator
Status blue - from excellent to moderate pollution levels.
Status orange - from slight to high pollution levels

See Blueair Friend mobile app for further information regarding pollution and threshold levels

Blueair Friend mobile app settings

Please note that you must first add your air purifier unit to the Blueair Friend mobile app before you can control the following settings via the app:

Adjust airflow speed
Changes the fan speed between speed 1, 2 and 3.

Adjust LED intensity
Changes the LED intensity for those lamps that are visible.

Child lock
Regulates your ability to control the air purifier unit via the control panel on the unit.

Auto mode
Automatically controls the fan speed based on readings either from the built-in sensors ("i" models only), or from the external air quality monitor Blueair Aware.

Night mode
Allows the activation/deactivation of certain settings at specific times.

Filters

General information

The unit is delivered with one HEPASilent™ filter already installed.

Particle filters remove:


PM2.5


Dust


Mold


Bacteria/ Virus


Pollen


Dust mites


Pet dander

Carbon based filters remove all the above pollutants, plus:


VOC


Smoke


Cooking odors


Chemicals

Filter checklist

To make it easy to find the right filter in the future, please fill in the customer record below and keep this user manual for reference. The model number and serial number of this product can be found on the rating label on the bottom of the unit.

Model number _____

Serial number _____

Date of purchase _____

Retailer's name _____

Retailer's address _____

Telephone number _____

Blueair filter subscription program

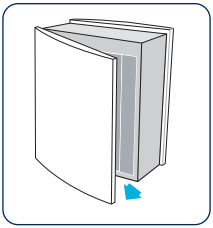
This convenient service is available in some countries – contact your local Blueair retailer to find out if you can join.

IMPORTANT!
Always turn off and disconnect the unit from the supply mains before changing filters, cleaning or carrying out maintenance procedures.

Changing the filters

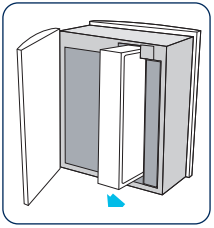
Step 1

Open the back door.



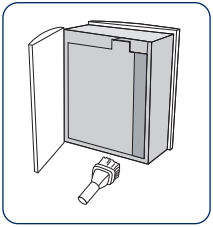
Step 2

Slide out the filter.



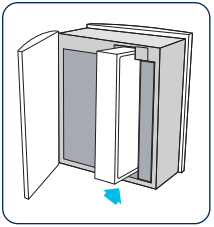
Step 3

Vacuum inside the unit with a soft brush attachment.



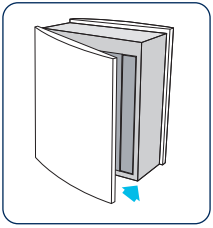
Step 4

Slide the replacement Blueair filter back into the unit.



Step 5

Close the back door, plug in the unit and turn on.
The unit is now ready for use.



Status orange - replace filter and reset by pressing down for 5 seconds.

Care and maintenance

We recommend routine cleaning in order to keep your unit in top condition.

When changing filters

1. Wipe clean the underside of the lid after removal.
2. Vacuum the air inlet grille from the inside using a soft brush and/or other suitable attachment.
3. Vacuum the small air inlets with a soft brush attachment.

General

1. Wipe the exterior of the unit with a soft, clean, damp cloth.
2. Never clean with gasoline, chemical solvents or corrosive material as these agents may damage the surface.
3. Do not allow foreign objects to enter the ventilation or exhaust openings. This may cause elec-tric shock or damage the unit.

Environment protection:

Let's protect the environment!
Our products and packaging are sustainably designed and made from recyclable materials. Do not discard the filter or the product with household waste. Bring it to the nearest official waste recycling service.

Help and support

If you have questions about Blueair Classic series, please visit www.blueair.com or contact your local Blueair retailer.

Warranty information

For warranty information visit www.blueair.com/warranty

Classic 480i/490i/405 technical specifications*

CADR (cfm)**:	Smoke	Dust	Pollen
	280	300	300

Room size		434 sq.ft. (40 m^2)
Air Changes per Hour ***		5
Airflow (Speed 1-2-3)		120-200-350 cfm
Size (HxWxD):		23 x 20 x 11 in. (590 x 500 x 275 mm)
Product weight:		33 lbs (15 kg)
Energy consumption (Speed 1-2-3)******		15-25-90 W
Operating frequency:		2412-2472 MHz
Output Power:		13.66 dBm
Sound pressure levels (Speed 1-2-3)		32-42-52 dB(A)
Filter replacement indicator		Yes
Speed control options	**480i/490i**	1-2-3, non-touch, smartphone (Automode)
	405	1-2-3, non-touch, smartphone
Air quality sensors	**480i/490i**	Built-in sensors for VOC, PM2.5, temperature and humidity
	405	No sensors - optional use with Blueair Aware
		The entire unit can be recycled.

External network issues affecting the product performance are beyond the control of Blueair. Please contact your Internet service provider for assistance.

* Specifications based on U.S. models (120 VAC, 60 Hz with particle filter)

** The CADR indicates how much filtered air is delivered (airflow) by the air purifier operating at the highest setting, and how well the system removes tobacco smoke, dust and pollen pollutants from the air (efficiency). Tests are performed in accordance with ANSI/AHAM AC-1. The maximum possible CADR ratings according to this standard are: Tobacco Smoke: 450 cfm. / Dust: 400 cfm. / Pollen: 450 cfm.

*** Air changes per hour are calculated on the recommended room size, assuming 8-foot (2.4 m) ceilings. For smaller rooms, the air changes per hour will increase.

**** The available electrical power voltage and frequency affects the power consumption of the unit. The power consumption might therefore be different from the stated value.