



Molekule Air Mini+

User Manual



Save for later reading

Best Practices

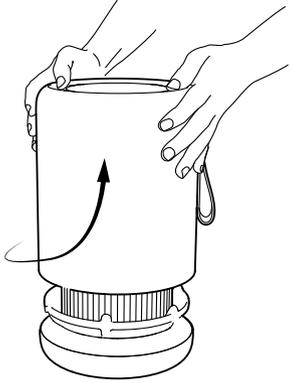
Try it in the bedroom.

Molekule Air Mini+ will work in any room, but giving it space in a central location, and on a shelf, stand, or table will help maximize air intake. It's designed for rooms under 250 sq. ft. We recommend running it in the bedroom, closer to your bed at night for a clean, sleep-breathing zone.

Run it 24/7.

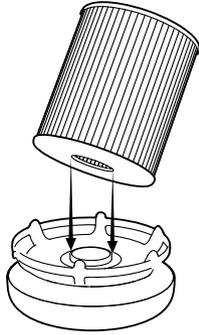
Molekule Air Mini+ uses low energy to keep fresh air flowing.

Setting Up



1

Twist off shell and pull out filter.



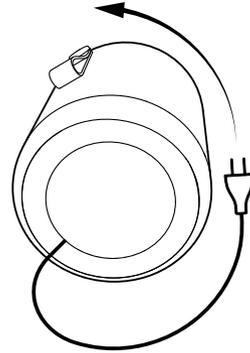
2

Unwrap filter and place on base.



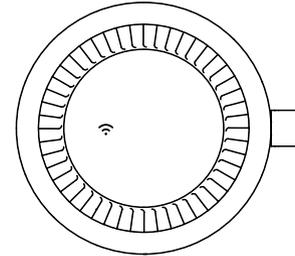
3

Align logo on shell with arrow on base. Close shell and twist to lock.



4

Unwind cord and plug in.



5

Once WiFi light is pulsing, you're ready to pair to the app.

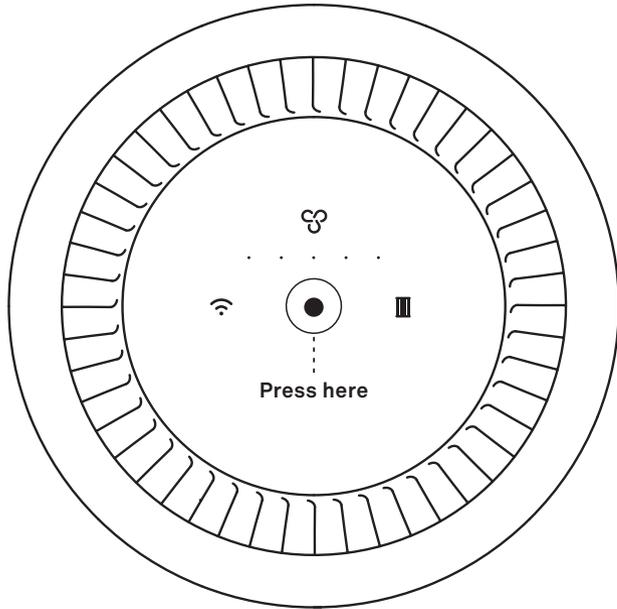


6

Download the app to complete setup and set up device control from your phone.

Controls & Interface

There's just one button. It's on top, in the center of the display. Tap it to wake the device, and cycle through fan speeds and Auto Protect. A long press of 3 seconds puts it on standby, which deactivates the fan, UV-A lights, and display lights.



-  Auto Protect
-  Fan speeds
-  PECO-Filter status
-  Particulate matter levels
-  WiFi status

Modes & States



Auto Protect

Your Air Mini+ has a sensor to measure airborne particulate matter levels. Auto Protect uses these levels to regulate fan speed for optimal air purification.



Manual Mode

Your device's five fan speeds correspond to the number of dotted white lights. Tapping the button cycles through speeds and Auto Protect.

Speed	Indicators
Silent	•
Low	• •
Medium	• • •
High	• • • •
Boost	• • • • •



PECO-Filter Status

The PECO-Filter status indicator helps you track the replacement schedule for your PECO-Filter.

- **Authentication**

Each time you plug in your device or lock its shell into place, it checks the authenticity of the PECO-Filter. A pulsing white light indicates it's in progress. A green light indicates it's confirmed as a certified Molekule PECO-Filter and will run normally. A red light indicates the PECO-Filter has not been verified and the device will not start.

- **Off**

If the PECO-Filter status indicator is off, there's no need to replace your PECO-Filter.

- **Orange**

An orange light indicates your PECO-Filter is nearing recommended replacement time.

- **Red**

A red light indicates your PECO-Filter has reached recommended replacement time. Replace the existing PECO-Filter.

- **Flashing red & white**

Flashing red-and-white lights indicate your PECO-Filter should be replaced immediately because it has exceeded its recommended replacement time. The device will go on standby, the PECO-Filter status indicator will flash red, and the fan speed lights will pulse white as a reminder to replace. You can restart Molekule Air Mini+ by tapping the center button on top of your device. Molekule Air Mini+ will repeatedly go on standby after extended use until the PECO-Filter is replaced.



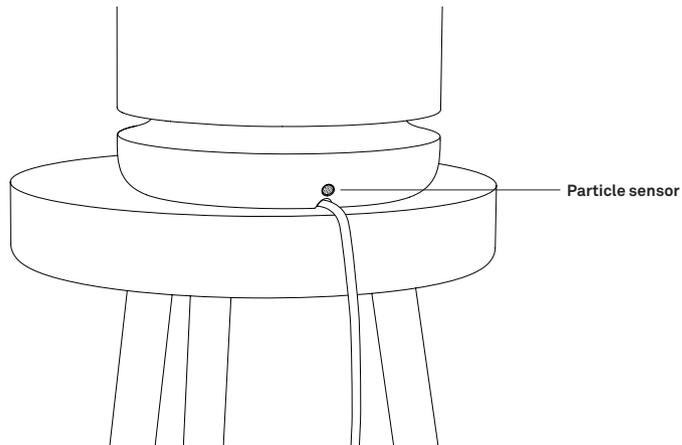
WiFi Status

- Upon powering the device (after setup), this indicator will pulse white while it searches for a connection.
- If it turns green, it has connected successfully.
- A red WiFi status indicator means an issue with your WiFi is prohibiting your Molekule Air Mini+ from connecting.
- If this indicator is off, there are no issues with your WiFi.
- If it stops pulsing and turns solid white, it's paired to your phone, but hasn't been connected to WiFi.

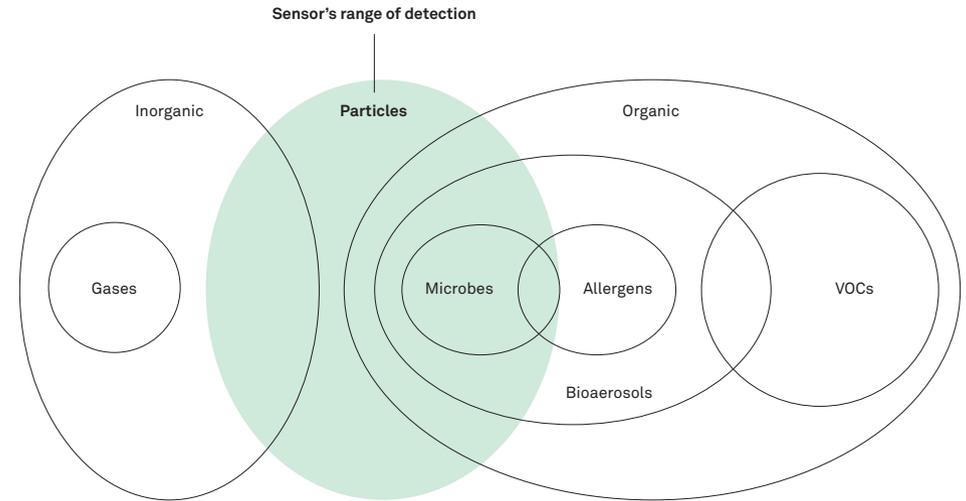
What Molekule Air Mini+ Senses in the Air

The sensor in Air Mini+ is designed to detect particles, giving you a window into the air quality of the room it's operating in, to help maintain clean air. By using a light-sensitive detector, the sensor gauges the concentration of particles in the air in front of it.

Inhaling particles, also known as particulate matter, can be harmful to many people. But there's more to air pollution than just particles. While the Air Mini+ particle sensor doesn't measure other types of pollution like ozone, VOCs, and some allergens, you can rest assured that the unique PECO technology at the core of your device is working to destroy them.



A Window into your Air



Particle Levels

Understanding Auto Protect and particle levels

Auto Protect uses the particle sensor to take automatic readings of the air in front of it and adjusts fan speed for optimal air purification in the room in which it's running. Based on the density of particles it detects in that room, the sensor triggers a colored light to appear on the very center of your device's display. It's important to note that air pollution is more than just particles. While your device may show a low level of particles in the air, the presence of other pollutants would remain undetected by the particle sensor.

Molekule's particle levels

The scale and color levels on your Molekule Air Mini+ measure particle concentration on a four-tiered scale. Your device sensor is designed only to reflect the presence of particles in a cross section of your air, not the overall air quality, which would be based on measurements of many different types of air pollutants. A "Good" reading on your device may mean a low volume of particles detected in the air, but air pollution is complex and based on hundreds of factors. As such, the presence of other pollutants would remain undetected by the device's particle sensor, which could affect overall air quality. The recommendations on the following pages are based solely on the levels of particles detected by the sensor.



Good



Moderate

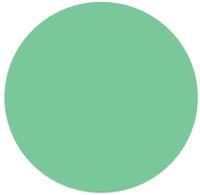


Bad



Very bad

Particle levels



Good

Your Air Mini+ is detecting a low level of particles in the room.

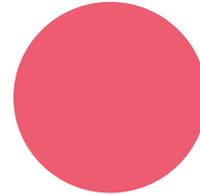
We suggest running your device on Auto Protect or at the lowest fan speed.



Moderate

Your Air Mini+ is detecting a moderate level of particles in the room.

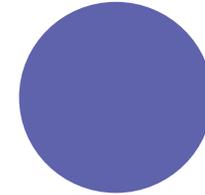
We suggest running your device on Auto Protect or increase fan speed to continue cleaning the air.



Bad

Your Air Mini+ is detecting a high level of particles in the room.

We suggest running your device on Auto Protect or increase fan speed to continue cleaning the air.



Very bad

Your Air Mini+ is detecting a very high level of particles in the room.

We suggest running your device on Auto Protect or increase fan to the highest speed to continue cleaning the air in the room.

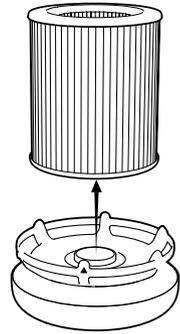
How do I replace the filter?

User Servicing Instructions



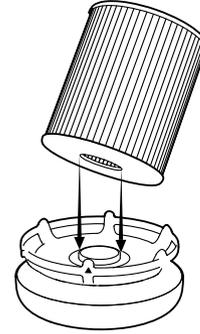
1

With the base on a steady surface, twist device shell counterclockwise and lift to open.



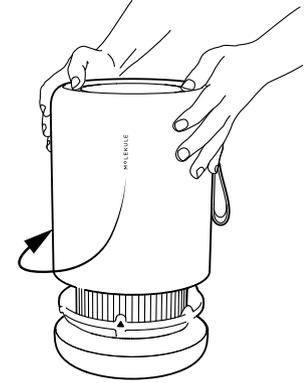
2

Lift used PECO-Filter off device base and discard.



3

Remove new PECO-Filter from packaging and place onto base with small hole face down, as indicated on PECO-Filter.



4

Place device shell back onto base and twist clockwise to click into place. Good work.

Help & Support

We're here to help you breathe easier. If you have issues with your device, filter, or account:

Visit us
help.molekule.com

Call us seven days a week, 8am-5pm PT
+1 (855) 999-9069

Frequently Asked Questions

How do PECO-Filter auto-refills work?

Molekule Air Mini+ ships with one PECO-Filter. We offer a PECO-Filter auto-refill plan to help ensure you have clean air when you need it. PECO-Filters are automatically shipped to your doorstep.

To start or manage your auto-refill plan, go to Molekule.com

Why does my device come with a bag of activated carbon on top and why does it have an odor?

Like any new product, your device encounters odors and volatile organic compounds (VOCs) during manufacturing and shipping. To reduce their initial presence in the air before you've plugged in your device and activated the PECO destruction process, each Molekule Air Min+i ships with a small bag of activated carbon, which you can dispose of. While the bag acts mostly as a deodorizer during the shipping process, your device may still have a noticeable odor by the time it arrives. This initial odor should dissipate within 24-48 hours of continuous device usage.

Why is my device's filter status flashing red and device shutting down?

We understand that our customers lead busy lives and may forget to change the filter, which prevents them from having the cleanest air possible. Once a Molekule Air Mini+'s PECO-Filter status indicator flashes red and the fan speed indicators flash white, this means the filter is beyond recommended usage and you should immediately replace your PECO-Filter. If you don't yet have your replacement filter, order it now. In the meantime, you can temporarily restart the device by tapping the center button on the top of the device.

Why is my device unresponsive, and the WiFi, particulate matter levels, and PECO-Filter status indicator pulsing red?

Something has triggered a fatal error. Unfortunately, your device is no longer operational. Please contact Molekule Customer Support from 8am-5pm PT, seven days a week at +1 (855) 999-9069 to see if your device is under warranty and how to get a replacement unit.

Why won't my device power on?

If you touch the device button and the lights or fan don't turn on, follow these recommended steps:

- Make sure the device is plugged into a working outlet.
- Make sure the PECO-Filter inside the device is unwrapped.
- Make sure your PECO-Filter has been verified by inserting it into the device, twisting the device shell closed, and waiting for the PECO-Filter status light to turn green.

Does Molekule Air Mini+ emit WiFi signals?

Air Mini+ has built-in hardware that does emit WiFi signals.

Safety Precautions & Warnings

Never place any objects on top of the unit. Do not place the unit directly below a shelf or other objects that might hinder the exiting air flow. Never cover vents while the unit is running. Avoid dropping the device or placing the device on an uneven or potentially unstable location. To help ensure stable placement of the device and limit risk of tipping, only place on stable, flat floor surfaces and make sure the cord is fully clipped into the cord holder. Do not insert or drop any foreign objects or liquids into the device. If either happens, immediately unplug the device and contact Molekule Customer Support. If the device is demonstrating unwanted or unexpected behavior, unplug the device and contact Molekule Customer Support.

Do not alter, clean or tinker with the PECO-Filter. Changes or damage to the PECO-Filter may interfere with proper operation. The LEDs in your Molekule Air Mini+ are meant to last the lifetime of the product. Do not attempt to repair nor replace these LEDs without explicit instruction and approval from Molekule. Do not clean the device with any liquid cleaning agents or water. These items pose a fire, electric shock or injury risk. The device should only be cleaned using a dry cloth. Do not operate any device with a damaged power cord or plug.

Do not run the power cord under carpeting or cover the cord with throw rugs, runners or similar coverings. Do not route the cord under furniture or appliances. Keep the cord away from high-traffic areas to avoid a tripping hazard.

This appliance may have a polarized plug (one blade is wider than the other). To reduce the risk of electric shock, the plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact Molekule Customer Support. Do not attempt to defeat this safety feature. Discard fan or return to an authorized service facility for examination and/or repair.

Disclaimer

Your Molekule Air Mini+'s sensor is accurate and equivalent to other commercially available air quality sensors. At sufficient concentrations, it is sensitive to all physical particles, like dust, smoke, components of vehicle exhaust, soot, and many other airborne substances. Internal testing has shown Molekule's sensor is accurate to a factor of two or better compared to sensors used in laboratories to study atmospheric composition.

The levels of air quality it reports may not precisely conform to other methods of measuring particulate matter pollution. Rather, they are intended to be a close estimation of the particulate level in the room in which it's currently operating. Excessive moisture is the primary cause of inaccurate readings, as the sensor can mistake harmless airborne water vapor for particulate matter. For more information about the difference between the equipment used in scientific laboratories to study the composition of the atmosphere and consumer air quality sensors, visit this blog page (<https://molekule.com/blog/consumer-grade-air-quality-sensors-are-they-good-enough/>).

People who are immunocompromised, have compromised heart or lung function, have a history of asthma, heart disease, or any other heart and lung conditions, children, and the elderly should always follow any action plans for asthma attacks,

heart problems, or any other health issue regardless of the particulate levels reported by the Molekule sensor.

The sensor in your Molekule device only detects particulate matter. All other types of pollution are not included in the levels reported. The sensor and air purifier are not medical devices and the information they provide is not intended to diagnose, treat, cure, or prevent any disease or condition. Consult your doctor if you are unsure what levels of particulate matter are safe for you, and visit www.airnow.gov for more information on particulate matter and all aspects of air pollution.

As with any product, your device uses new plastics and materials in its manufacture. We do all we can to minimize off-gassing from these materials, including shipping each device with carbon filters to absorb smells. Despite this, there may be a noticeable smell during the first 24-48 hours of use, which is safe and expected. If these odors are produced by VOCs, the particulate matter sensor in your Molekule Air Mini+ will be unable to detect their presence or automatically adjust the fan speed to remove them. Nevertheless, this particular type of off-gassing is harmless and temporary. After the initial settling period, scents should significantly subside. At that point, your filter has reached full effectiveness.

Limited Warranty Information

Molekule warrants that for a period of two years from shipment, the Product will be free from defects in materials and workmanship under normal use in accordance with the documentation provided with the Product. In the event of a defect, visit Molekule at molekule.com/contact for return instructions. Molekule's sole obligation under this warranty will be at its option to repair or replace the Product and the replaced product will be warranted for the remaining period of the original warranty. Replacement products may contain new or refurbished parts. This warranty does not apply to Products damaged by misuse, accident, electrical disturbance or normal wear and tear. The Product is not designed for or warranted against damage from use in areas subject to extreme temperature, excessive moisture, or other inherently hazardous environments. ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE DURATION OF THIS WARRANTY. EXCEPT FOR THE LIMITED EXPRESS WARRANTIES SET FORTH ABOVE, MOLEKULE DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES OR CONDITIONS. Some jurisdictions do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary by jurisdiction.

FCC Statement

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. 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 and its antenna(e) must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Responsible party: Molekule Inc. 1301 Folsom Street, San Francisco, CA 94103
Phone Number: +1 (855) 999-9069

IC Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage.
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

For products available in the USA/Canada market, only channels 1 to 11 can be operated. Selection of other channels is not possible.

Pour les produits disponibles aux États-Unis / Canada du marché, seul le canal 1 à 11 peuvent être exploités. Sélection d'autres canaux n'est pas possible.

IC Radiation Exposure Statement:

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

The transmitter module may not be co-located with any other transmitter or antenna.

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20cm de distance entre la source de rayonnement et votre corps.

Le module émetteur peut ne pas être coïmplanté avec un autre émetteur ou antenne.



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