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AIR PURIFIER

P302-UV

INSTALLATION & OPERATION
INSTRUCTION MANUAL

AIR PURIFIER

To ensure optimal performance, safety, durability, and long-lasting use, please read the user manual carefully and follow the instructions strictly.
Keep this manual for reference throughout the product's lifetime.

Please read this manual before use.

Thank you for choosing the MEX Purifina UV-C air purifier. We are confident that you will receive the highest benefits from using this product, which is designed and manufactured with advanced technology and optimal design.

Please carefully study the information in this manual before use, and retain the manual for future reference throughout the product's lifetime.

Follow the instructions in this manual strictly to ensure maximum benefits, safety, and durability during the product's usage.

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Recommendations and Safety Precautions

These recommendations are provided to ensure safety and prevent hazards to individuals or property. Follow these guidelines strictly to guarantee optimal product quality and durability.

General Recommendations

- Do not allow individuals with physical or mental impairments, those lacking knowledge or experience, or children to use this electrical appliance without supervision.
- Supervise young children around the appliance. They should be monitored to ensure they do not play with it unsupervised.
- Do not use the appliance for cleaning or maintenance while it is plugged in.
- This electrical appliance is not intended for use by children or individuals with physical, sensory, or mental impairments, or those with insufficient knowledge and experience, unless they are supervised or instructed on its safe use by a responsible person.
- The appliance should only be installed and used in accordance with the safety recommendations provided by a responsible person or under their supervision.
- Do not use the appliance if the power cord or plug is damaged, or if the appliance has malfunctioned or has been dropped.
- If the appliance requires repair or maintenance, it should be carried out by the manufacturer, an authorized service center, or qualified personnel to prevent hazards.

Unauthorized repairs will void the product warranty.

- Avoid using the appliance near heat sources or in environments with abnormal temperatures.
- Always turn off the appliance after use.
- Do not unplug the appliance by pulling the power cord; always grasp the plug directly.

Electrical System Precautions

- If a malfunction occurs, to prevent the risk of electric shock, immediately stop using the appliance, turn off the circuit breaker, or unplug it. Then, contact an authorized service technician for repairs.
- Ensure that the appliance's voltage matches the household voltage, and check that the power connection is efficient.
- Do not clean the appliance while it is plugged in, as it may result in electric shock.
- Do not touch the plug with wet hands; always ensure your hands are dry before plugging or unplugging the appliance.

- During installation, cleaning, or repairs, always unplug the appliance or turn off the circuit breaker.
- If the power cord of the appliance is damaged, it must be replaced immediately with a standard power cord from the authorized distributor.
- When using the appliance, it must be designed to allow the power to be cut off by unplugging or switching off the circuit breaker.
- In case of malfunction, the appliance should be turned off, and the control circuit breaker should be switched off or unplugged immediately.

Fire Prevention Measures

- Ensure that the power plug fits securely into the socket and does not become loose easily to prevent sparks that could cause a fire.
- Do not use damaged power cords or connect multiple power strips.
- Do not place flammable materials near the appliance.
- When unplugging the appliance, ensure that your hands are dry and free of moisture.

Safety Information When Using the Air Purifier

- The air purifier should be placed on a flat, stable surface to prevent the risk of electric shock, fire, or other hazards.
- Place the appliance away from flammable objects and avoid using it in areas prone to dirt accumulation.
- Do not place the appliance in direct sunlight or near heat sources.
- The air purifier should not be used in environments with excessive moisture or locations that may produce pollutants such as oil fumes or industrial chemicals.
- Maintain at least 1.5 meters of distance between the appliance and the surrounding area to ensure proper airflow.
- Regularly clean the air inlet and outlet to maintain efficient airflow and prevent obstructions.
- Do not use the appliance with wet hands to prevent electric shock.
- Avoid covering the air inlet and outlet to ensure proper air circulation.
- Do not modify or tamper with the appliance's internal components, as it could result in electrical hazards or loss of efficiency.
- The appliance is equipped with a UV-C sterilization function; avoid direct exposure to the UV light.

Safety Information When Using the UV-C System

- Our UV-C products are not designed for direct exposure or activities that involve direct contact, as this may cause harm to humans, pets, or materials.
- The UV-C function is intended for air purification purposes only and is not designed for sterilization of airborne infectious diseases.
- UV-C products are not medical-grade devices and should not be used for medical purposes.
- UV-C light cannot escape from the enclosed system. Ensure that there is no light leakage from the device's protective casing.
- The appliance should not be placed in a way that allows direct exposure of the air outlet to human skin, pets, or other living organisms.
- Avoid using UV-C devices in locations such as hospitals, care centers, or other facilities where product misuse could occur.
- Regularly inspect the UV-C lamp and replace it every 8,000 hours or as recommended by the manufacturer to maintain optimal efficiency.
- Dispose of used UV-C lamps responsibly, as they may contain hazardous materials such as mercury. Follow local waste disposal regulations.
- Avoid touching the UV-C lamp directly, as oils from skin contact can reduce the lifespan of the lamp.
- UV-C radiation can cause eye and skin damage. Do not look directly at the light source or allow exposure to skin.
- UV-C equipped devices should not be used in environments with reflective surfaces like mirrors or polished metal to prevent unintended exposure.
- After replacing the UV-C lamp, the system should be tested for at least 30 minutes to ensure proper functionality and no light leakage.
- Use only genuine replacement parts specified by the manufacturer to ensure safety and efficiency.

Safety Recommendations for Children

- The air purifier contains moving fan blades. Do not allow children to insert fingers or objects into the air purifier.
- The packaging of the air purifier may pose a choking hazard to children. Keep packaging materials out of children's reach and dispose of them according to waste management standards.
- The air purifier is designed for use in children's environments, but it should be placed at a safe distance to prevent interference with its operation and to keep children from tampering with it.
- Do not allow children to climb on the air purifier, as it may cause injury or damage to the product.

Safety Recommendations for Replacing HEPA Filters, UV Lamps, and Other Parts

- Ensure that the HEPA filter is properly installed before maintenance or operation. Incorrect installation may result in exposure to UV-C light.
- Always unplug the appliance before replacing the UV lamp or HEPA filter, and wear protective gear when handling or replacing the lamp.
- If you are not trained in replacing these components, please contact the manufacturer, supplier, or service center for assistance.

UV-C Risk Group3



Warning: This product emits UV-C light (inside the UV-C chamber). This type of product emits radiation that can harm the eyes and skin. Avoid direct exposure to UV-C light. If the product does not have protective measures, refer to the manual and user guide before use.

Caution: Replace the filter when the indicator light signals a replacement to ensure optimal filtration performance.



Do not place the product near water or in humid environments.
Do not expose eyes or skin to UV-C light.
Do not dispose of the product improperly. Follow safety disposal guidelines.

Only use UV-C lamps as recommended by the manufacturer.

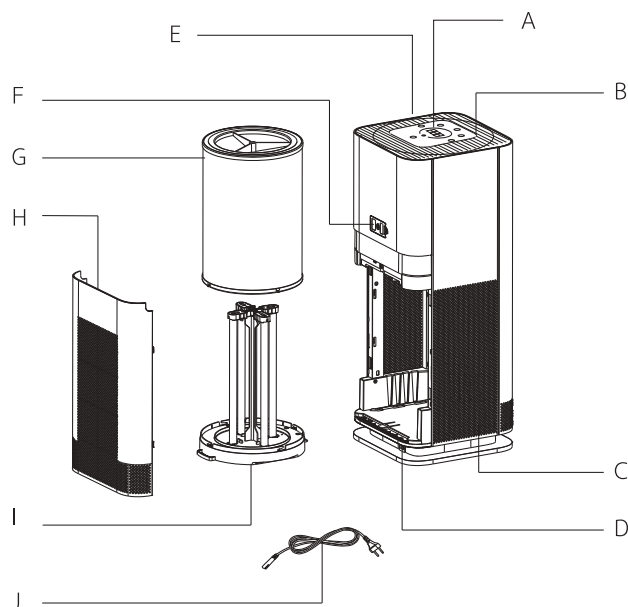
Recommended UV-C Lamps:

- TUV TL Mini 11W (for model P302-UV)
- TUV Mini 16W (for model P402-UV)

Lamp lifespan: 9000 hours.

Intended Purpose of Use

- The air purifier is designed for household use only. Using it for commercial or industrial purposes will void the warranty and may affect its performance.
- The air purifier is designed solely for indoor air filtration and should not be used for other purposes.
- The company will not be responsible for any damages resulting from improper use or non-standard transportation and installation.



- A. Display Panel
- B. Air Outlet
- C. Air Inlet
- D. Power Indicator Light
- E. Program Selection Button
- F. Air Quality Sensor
- G. HEPA Filter
- H. Filter Cover
- I. UVC Tube
- J. Power Cord and Plug

Details of Items in the Package:

- Air Purifier × 1
- All-in-One Filter Set × 1
- UVC Tube × 1
- Power Cord × 1
- User Manual × 1

Technical Information

Specification	Details
Product Type	UVC Air Purifier
Model Number	P302-UV
Product Color	White
Voltage / Frequency	220V-240V~, 50/60Hz
Maximum Power Consumption	50 Watts
Effective Coverage Area	Up to 20-30 square meters
Noise Level During Operation	≤ 60 dB(A)
Clean Air Delivery Rate (CADR)	220 cubic meters per hour (±20%)
Lamp Type	4 × TUV 11W
Lamp Base	G5
Wavelength	254 nm
Air Filtration Stages	Pre-filter + HEPA filter + Carbon filter
Operating Temperature Range	-10°C to 40°C
Maximum Humidity Level	≤ 90 RH
Product Dimensions (W × H × D)	291 × 602 × 290 mm
Packaging Dimensions (W × H × D)	235 × 560 × 235 mm
Net / Gross Weight	5.60 / 7.20 kg

Notes:

- Technical specifications may change without prior notice if necessary for quality improvement.
- Product shape and details in the manual may differ from the actual product due to production conditions and improvements.

Replacement Parts List

1. All-in-One Filter Set
2. UVC Lamp Set

Note: The All-in-One filter set and UVC lamp set are consumable parts. The replacement period depends on the air quality in the environment where the device is used and is not covered under warranty.

Air Purifier Filtration Efficiency

The air purifier uses a 4-stage filtration system:

A. Pre-Filter Stage

- Captures large particles such as dust, hair, lint, fibers, and pet dander.
- Protects the True HEPA filter by trapping larger particles first.

B. True HEPA Filter Stage

- Captures microscopic airborne particles (as small as 0.3 microns).
- Designed to trap allergens such as pollen, pet dander, dust mites, and fine dust particles from pollution.

C. Activated Carbon Filter Stage

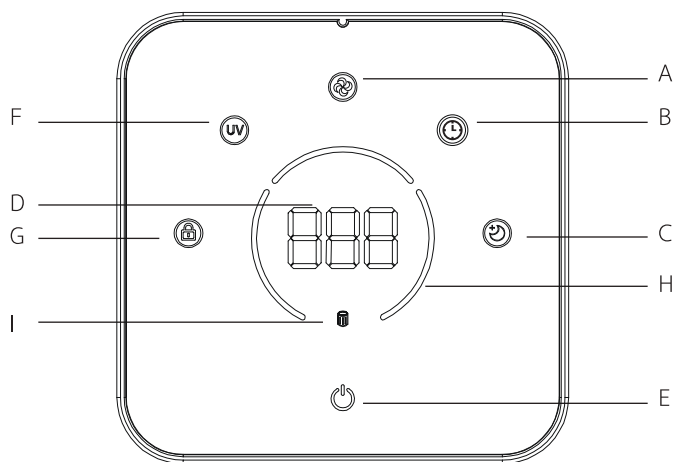
- Absorbs and removes odors such as cigarette smoke, food smells, and harmful chemicals like formaldehyde and volatile organic compounds (VOCs).

D. UVC Lamp

- Enhances air purification by eliminating airborne

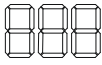
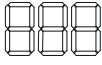


Control Panel

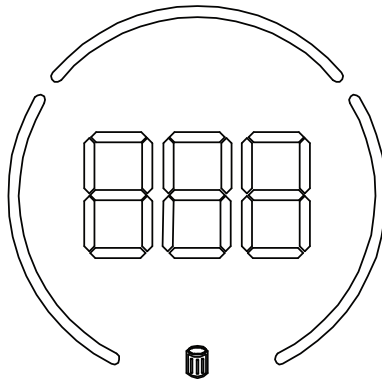


- A. Button to adjust wind speed levels 1, 2, 3, 4
- B. Timer button, adjustable from 0–16 hours
- C. Sleep mode button
- D. Display for PM 2.5 dust levels
UV light replacement indicator
Wind speed level indicator
- E. Power On/Off button
- F. Button to turn UV-C mode On/Off
- G. Button to lock the control panel
- H. Air quality indicator light
- I. Filter replacement indicator light

Meaning of symbols on the display screen

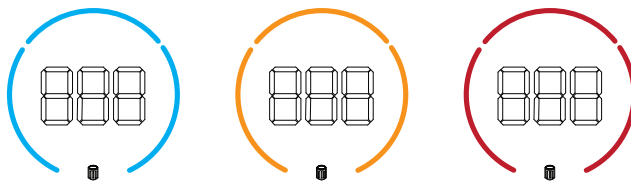
	Power On/Off Button Press this button to turn the device on or off.
	Speed Adjustment Button Use this button to adjust the wind speed to the desired level. "1" = Low speed "2" = Medium speed "3" = High speed "A" = Automatic mode
	Sleep Mode Button Press this button to activate sleep mode.
 	Timer Button: Use this button to set the operating time (0–16 hours). Timer settings: "1H" = 1 hour "16H" = 16 hours When the timer is active, the indicator light will show the time remaining. After the timer expires, the device will automatically turn off.
	Control Panel Lock Button Press this button to lock or unlock the control panel
	UV-C Mode On/Off Button Press this button to turn UV-C mode on or off.
	Filter Replacement Indicator Light The light will turn on with code "E8" when the filter needs replacement. Replace the UV-C light when needed.
	UV-C Light Replacement Indicator The number "2" will appear alongside the error code "E8" to indicate that the UV-C light needs to be replaced.

Air Quality Indicator for PM 2.5 and Real-Time Display



The air purifier is equipped with an air quality sensor that continuously monitors air quality. It displays real-time PM 2.5 values along with the air quality level through a colored indicator.

When operating, the air quality indicator updates the PM 2.5 value every 3–5 minutes. The indicator uses a circular design to enhance visibility and ease of understanding. The air quality is displayed in 3 colors, as shown below:



Color	Blue	Orange	Red
Air Quality	Good	Moderate	Poor
PM 2.5 Value (µg/m3)	<75	<75-150	>150

Auto Mode

Auto Mode (A) adjusts the fan speed based on air quality. For example, if the air quality is poor, the fan automatically switches to high-speed level '3'. For more details, refer to the Air Quality Table.

Color	Blue	Orange	Red
Air Quality	Good	Moderate	Poor
Speed	1	2	3

UV-C Mode

UV-C mode functions only when the system is turned on or off. It is effective in inhibiting the activity of germs attached to the filter. The efficiency of germ inhibition may vary depending on factors such as weather, environment, contact time, air circulation cycle, and others.

Instructions for Enabling UV-C Mode

For effective sterilization of the filter, UV-C mode should be used continuously for 60 minutes.

Getting Started

General Us

1. Place the air purifier on a flat, clean surface (Figure 1.1).
2. Ensure the device is positioned at least 38 cm away from any obstacles (Figure 1.2).



3. Remove the sticker from the control screen.
4. Verify that the filter cartridge and UV-C lamp are correctly installed.
5. Inspect the device for any damage. Do not use the device if damage is detected.
6. Ensure the power cord is securely plugged into the unit.
7. Before turning on the machine, make sure your home power supply is on and matches the required voltage and frequency (220V-240V, 50/60Hz).
8. Plug the power cord into the socket or power supply. When the machine is ready, the status light on the On/Off button  will show “red”. Press and hold the On/Off button for 2 seconds to turn on the machine. The On/Off button  will show “green”.
9. Press the button  to adjust the fan speed, switch to auto/sleep mode, or set the timer mode.
 - 9.1  To adjust the fan speed, the air purifier screen will display 1, 2, 3, or A (auto mode).
 - 9.2  Press and hold the button for 3 seconds to lock the control panel. Press and hold the button for 3 seconds again to unlock it.
 - 9.3  To enable UV mode for enhanced germ inhibition in the filter, tap the button to activate the system.
 - 9.4  Time Setting Mode: Press and hold the button for 2 seconds to set the timer. You can adjust the time as desired. The screen will display values from 0H to 16H in sequence.
 - 9.5  When Sleep Mode is selected, the display light will turn off to minimize light disturbance, and the wind speed will automatically adjust to level “1” to reduce noise. To cancel Sleep Mode, press the button again.

Usage Tip:

- a. For best results, leave the air purifier on at the highest fan speed for about 15–20 minutes before reducing the fan speed to low.
- b. For optimal air purification efficiency, ensure that windows and doors are tightly closed while using the air purifier.

10. To turn off the device, press and hold  the off button for 3 seconds. For safety, unplug the air purifier every time it is not in use.

Instructions for Changing the Filter

The All-in-One Air Purifier Filter effectively captures dust particles ranging in size from large to as small as 0.3 microns. It also contains carbon, which helps absorb unpleasant odors.

It is recommended to change the filter every 6–8 months. However, the frequency of filter changes depends on the user's air purifier usage behavior. If the air purifier is used in an environment with high pollution levels, the filter may need to be replaced more often (even if the filter status indicator light does not turn on).

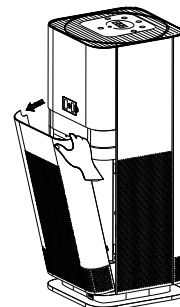
Things to note when changing the filter:

- The machine operates with abnormally increased noise.
- The fan's ventilation is reduced.
- An unpleasant smell is emitted.

When the filter icon is displayed, it indicates that the filter's lifespan has expired and it needs to be replaced.

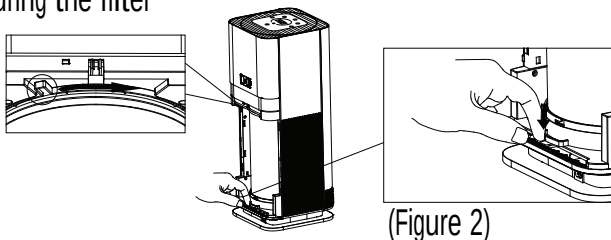
The symbol will light up after 4,000 hours of use under normal conditions. (Filter life is counted as 4,000 hours and/or depends on the quality of the air being filtered.)

1. Turn off the power, unplug the device, and open the filter cover on the back of the air purifier (Figure 1).

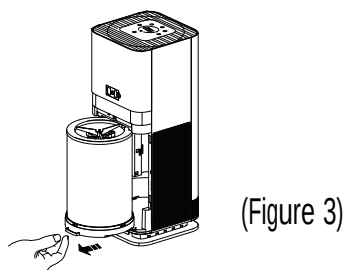


(Figure 1)

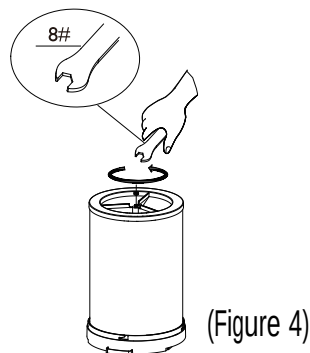
2. Turn the latch counterclockwise from left to right until fully open, and remove the screws securing the filter cover base (Figure 2).



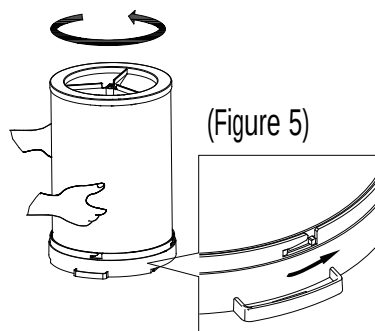
3. Pull the front filter out of the device (Figure 3).



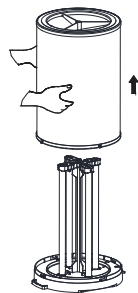
4. After removing the front filter from the device, locate screw "B" to unlock the UVC lamp set and remove the lamp by rotating it counterclockwise to release (Figure 4).



5. Once the UVC lamp set is removed, replace it with a new one by aligning it with the guide slot on the filter base, then turn it clockwise to secure it in place (Figure 5).

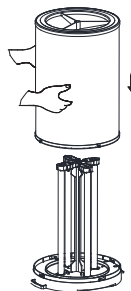


6. Use both hands to lift the filter out of the base from the top carefully, ensuring not to damage the UVC lamp set at the bottom (Figure 6).



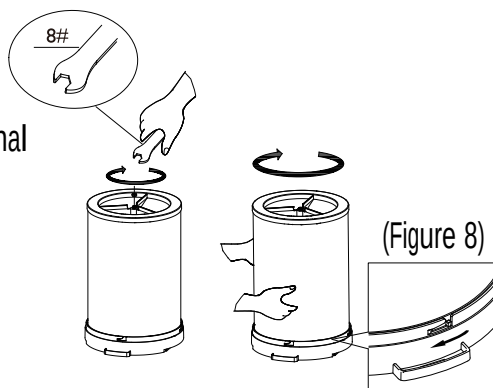
(Figure 6)

7. Insert the new filter into the base, ensuring it aligns with the filter slots. Rotate the filter clockwise to securely lock it in place (Figure 7).



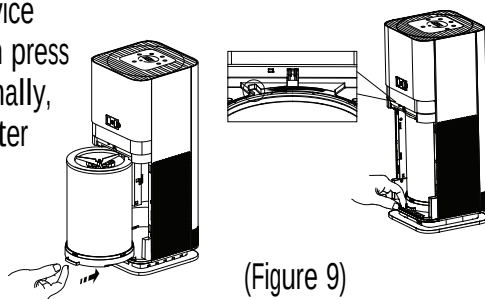
(Figure 7)

8. Secure the screws back into their original positions and check that the new filter is properly installed (Figure 8).



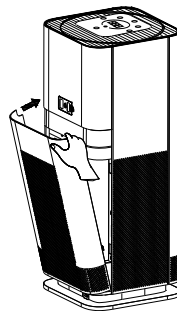
(Figure 8)

9. Reinsert the filter back into the device by aligning it with the guide slots, then press firmly until the filter is fully seated. Finally, turn the latch clockwise to lock the filter cover securely in place (Figure 9).



(Figure 9)

10. Close the filter cover at the back of the air purifier (Figure 10).



(Figure 10)

11. After that, turn on the device and hold the filter reset button for 15 seconds to reset the air purifier. The "Beep" sound will occur once, and the filter replacement indicator light will turn off, signaling that the filter replacement has been successfully recorded. The air purifier will then return to normal operation.

Note: For optimal air purification performance, it is recommended to use only genuine filters designed specifically for this model.

Instructions for Replacing the UVC Lamp

The UVC lamp is effective in inhibiting airborne bacteria that pass through the filter. However, its efficiency declines over time depending on factors such as usage duration, air quality, environmental conditions, and air circulation. When the UVC lamp reaches the end of its lifespan, the air purifier will display an "EB" indicator, signaling the need for replacement. Typically, the UVC lamp has an average lifespan of 9,000 hours. Once this lifespan is reached, follow the steps below to replace the UVC lamp:

1. Follow the steps to remove the All-in-One filter set as described in steps 1-6 (pages 17-18 of the manual).
2. After removing the front filter from the device, carefully locate and remove the UVC lamp unit by turning it counterclockwise.
3. Replace the old UVC lamp with a new one by following the All-in-One filter installation steps (steps 7-11 on pages 18-19).
4. Once the new lamp is installed, close the device securely and ensure it is properly sealed.
5. After replacing the lamp, reset the "EB" indicator by pressing the reset button to restore normal operation.

Note: • Handle the UVC lamp with care; it contains mercury and can be hazardous if broken.

- Use only the manufacturer's recommended UVC lamp.
- Reset the "EB" indicator after replacing the lamp. If it persists, check the installation or replace the lamp.

Product Care and Maintenance Instructions

To ensure the air purifier operates efficiently and extends its lifespan, regular cleaning is essential. It is particularly important to clean the air purifier more frequently when used in environments with high humidity. Follow these maintenance steps:

Cleaning the Air Purifier:

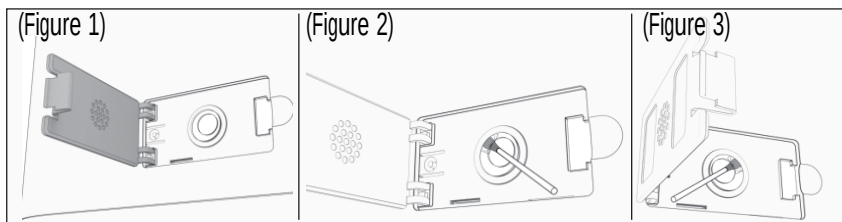
1. Turn off and unplug the air purifier before cleaning.
2. Use a dry cloth to wipe the exterior surface of the air purifier.
3. Regularly clean the air inlet and outlet to ensure unobstructed airflow.
4. Do not use water or liquid cleaners.
5. To clean the filter, follow the manufacturer's instructions. Do not attempt to wash non-washable filters.
6. If using a vacuum cleaner to remove dust, ensure gentle suction to avoid damaging the filters.
7. Replace the HEPA filter and activated carbon filter periodically based on the usage environment and the manufacturer's recommendations.
8. If the air purifier contains a UVC lamp, ensure it is turned off and unplugged before cleaning or replacing the lamp.
9. Do not attempt to disassemble or modify internal components, as this may affect performance and safety.
10. Ensure that the unit is completely dry before reconnecting to power after cleaning.
11. Regularly inspect the power cord and plug for any damage or wear.
12. Clean the UVC lamp carefully following the manufacturer's guidelines to ensure safe and effective operation.
13. If the air purifier emits unusual noise or odors, discontinue use and contact customer service.

Cleaning the Air Quality Sensor

If the air quality sensor is dirty or obstructed, it may reduce measurement accuracy. It is recommended to clean it at least once a month by following these steps:

1. Turn off the air purifier and unplug it from the power source before cleaning.
2. Open the air quality sensor cover (refer to Figure 1).
3. Clean the sensor using a soft brush, cotton swab, or a mild cleaning solution. Gently wipe the sensor lens inside and outside (refer to Figure 2).

4. Use a microfiber cloth or a mild cleaning solution to gently clean any remaining dust or dirt on the sensor. Ensure it is thoroughly cleaned (refer to Figure 3).
5. Close the sensor cover securely.



Cleaning the Air Outlet System

It is recommended to clean the air outlet system once a month using a vacuum cleaner or soft cloth. Avoid letting water enter the air outlet.

Cleaning the All-in-One Filter

Cleaning the All-in-One filter should be done every 1-2 months to remove dust and debris that may accumulate on the surface, which can reduce its efficiency. For households with pets or high humidity, cleaning should be more frequent.

Caution:

- Do not wash the filter with water or clean it with liquid cleaners.
- Avoid bending or deforming the filter.
- Do not use excessive suction or force when cleaning to prevent damage.

Storage:

If not using the air purifier for an extended period, store the filter in its plastic packaging and keep it in a dry place to prevent moisture-related damage.

Disposal



This symbol indicates that the product should not be disposed of with household waste. European regulations aim to prevent potential environmental impacts or human health hazards resulting from uncontrolled waste disposal. Please recycle this product responsibly in accordance with local waste disposal regulations. If you need assistance with product disposal, please contact your local waste management authority or the retailer where you purchased the product. Proper disposal helps contribute to environmental protection.

Troubleshooting

Problem	Possible Causes	Solutions
Cannot turn on the device.	Power cord not plugged in properly or no power supply.	Check the power plug and try plugging it in again. If the issue persists, contact customer service.
Display screen does not turn on.	The device is in "Off" mode.	Check and ensure the device is set to "On" mode.
Poor air filtration and air quality issues.	The filter is expired or clogged.	Replace with a new filter.
Air outlets have weak airflow and abnormal noise.	Air inlet or outlet is blocked or clogged, or filters are saturated with dust.	Ensure there are no obstructions and clean the filter regularly. If the issue persists, replace the filter.
Display shows "Filter" indicator.	The filter has reached its lifespan.	Replace with a new filter.
Unpleasant odor in purified air.	The filter is saturated or used beyond its recommended lifespan.	
Device is not functioning.	Internal system error.	Contact customer service.
Display shows error "EE".	UV-C lamp is not installed properly or needs replacement.	Check and reinstall the UV-C lamp. Replace if necessary.
Display shows error "E8".	UV-C lamp cover is not properly closed.	Check and ensure the lamp cover is securely closed.
The device is operating normally, but no air is coming out.	The plastic cover on the filter has not been removed.	Remove the plastic cover from the filter.



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