

AiroDoctor Air Purifier

User Manual

WAD-M20



Please read this manual completely before using this product

Dear Customer,

Thank you for purchasing our AiroDoctor.

In order to facilitate the installation and use of this product, we recommend that you carefully read this manual and keep it stored safely. To ensure that you always enjoy fresh air, use this manual for qualified and standardized installation, proper use, and maintenance. This will ensure you always enjoy fresh air.

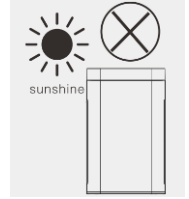
If any questions arise from use, please consult this manual. If it is in accordance with the warranty, we kindly welcome you to contact us with the address and phone on the card. We welcome any comments you have about our product and service.

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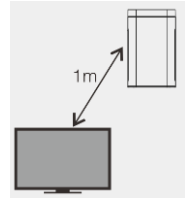
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INSTALLATION/USE INSTRUCTIONS

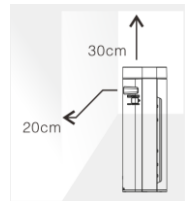
- Do not place in direct sunlight, facing air conditioner vents, or heated places. It may cause the unit to warp, deteriorate, discolor, or malfunction.



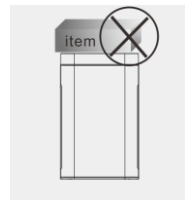
- Do not place near TVs or radios. This may distort images or produce noise. Using the purifier remote may cause interference with your TV or radio. Please place at a distance of 1m or more away from these devices. In addition, if you are sharing outlets with these devices, plugging in the purifier may distort images or produce noise. If this happens, please plug the purifier into a different outlet.



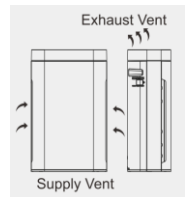
- For effective room circulation, place the product approximately 30cm or more away from walls or other objects. Please keep the backside at least 20cm away from the wall to enable it to work more effectively.



- Do not place items on the main product or it may lead to malfunction. Be careful not to place magnets or any other metal items on here.



- Do not block the exhaust vent or supply vent. For example, do not place an object on top of the exhaust vent or in front of the supply vent.



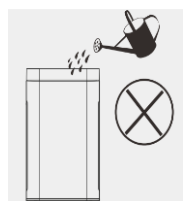
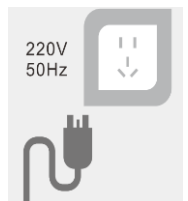
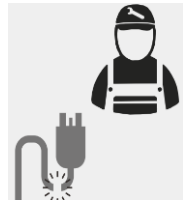
- Do not place flammable substances (sprays, gases, etc.) around the product.

- Do not plug the power plug into one outlet (multitap) with other products.

- Do not install on narrow or uneven floors.

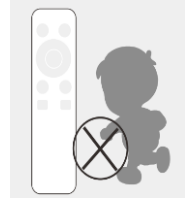
IMPORTANT SAFETY INSTRUCTIONS

- Do not pick up or move the product while it is running. When moving or storing, do not pull the power cord. This may cause a short circuit or do internal damage to the power cord. This may lead to a fire or electric shock.
- Do not damage power cord or outlet. Do not cut, excessively twist, pull, or bend the power cord. If the power cord is damaged, for your safety please call the manufacturer, service department, or a trained professional to replace it.
- Do not use power supplies, universal sockets, or connective devices that exceed the recommended power rating. Use only 220V~ 5A AC power. Using a universal socket or connected power source that exceeds this rating may lead to overheating and cause a fire.
- Do not touch the plug with wet hands. This may result in electrical shock.
- Do not place your fingers or metal objects into the air vents. This may cause electrical shock or injury.
- To avoid electrical shock or fire, do not allow water, flammable cleaners, or other liquids enter the product.
- Do not use this product near gas appliances, heating appliances, or stoves.

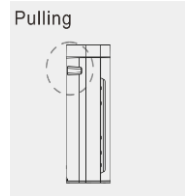


IMPORTANT SAFETY INSTRUCTIONS

- Make sure the remote is placed somewhere children cannot reach to avoid unintended damage.



- Use the handle on the side of the main body when moving the product. Forcing other parts to pull can cause product damage and injury.



- Do not use the air purifier in a room that is using an incense-type insect killer. Chemical residue may accumulate in the product and then be released, causing harm to physical health. After using insect killer or mosquito coils, allow the room to be fully ventilated before using the air purifier.
- Should any of the following conditions occur, turn off the machine immediately (electrical shock, sparks, or smoke may occur):
 - Strange noises or vibrations during operation.
 - Product is unusually hot, or has a burnt odor.
- Please clean the plug regularly.
If there is dust or moisture on the plug it could damage it. This may result in a fire.
 - Unplug the power cord, and wipe it with a dry cloth.
 - Unplug the power cord if the appliance is not used for a long period of time.
- Before electrical maintenance, make sure to unplug the device.
 - The product may suddenly turn on, leading to electrical shock or injury.
- Please plug the power cord securely into the power outlet. If the plug is not securely seated, this may cause overheating which may lead to electrical shock and even fire.
 - Do not use a damaged plug or loose power outlet.

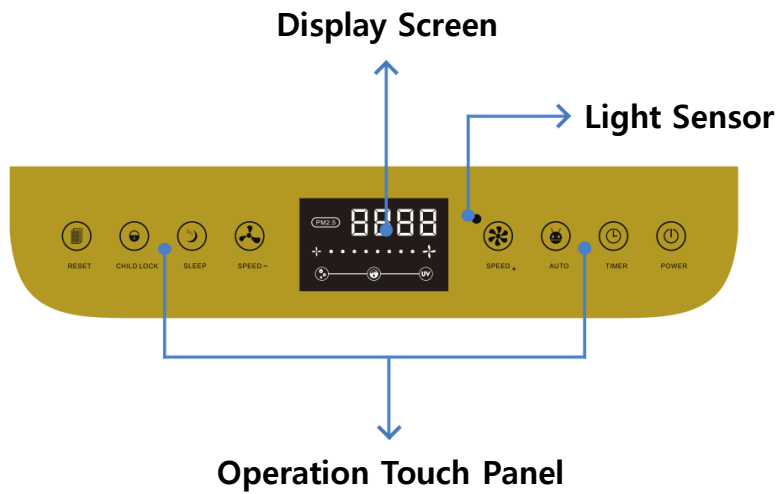
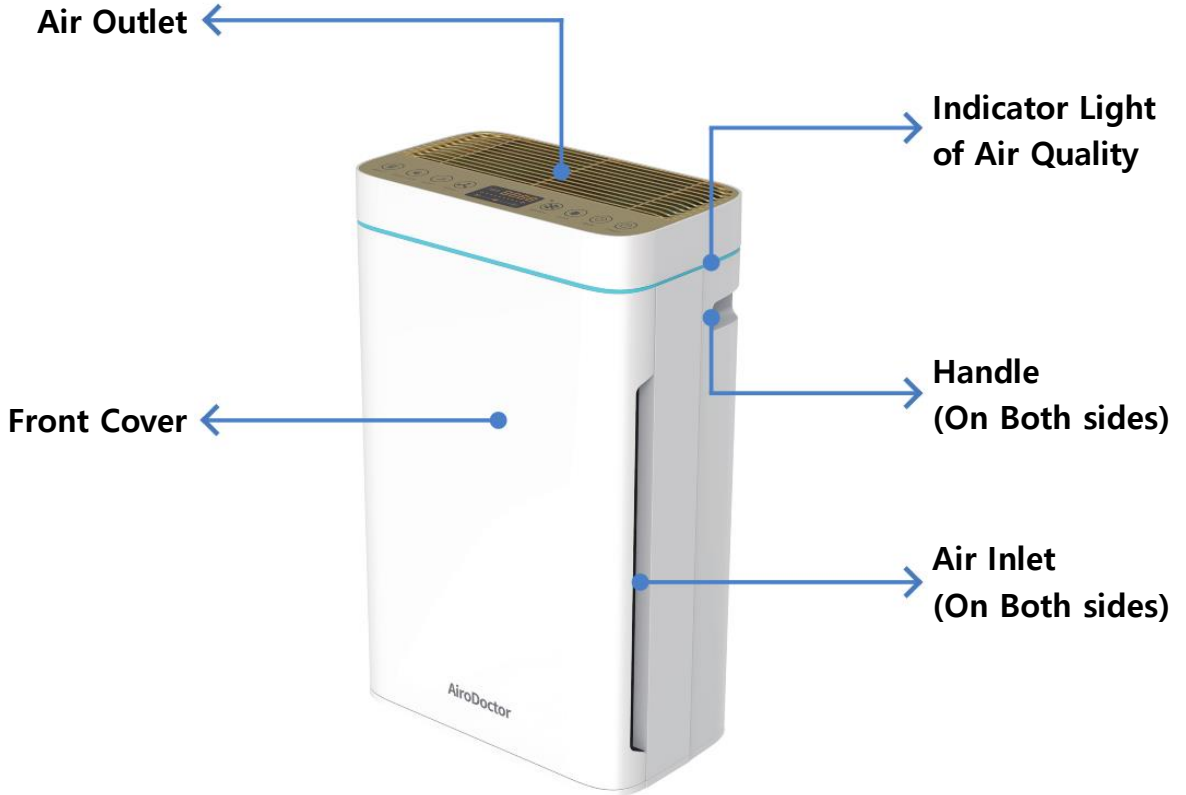
IMPORTANT SAFETY INSTRUCTIONS

- Please unplug the cord using the plug insulator.
 - Pulling the power cord to unplug it may cause damage to the power cord, electrical cord, electrical shock, short circuit, or fire.

- Should any of the following circumstances arise, please turn off the machine power immediately and contact the service department:
 - A switch does not work.
 - Power cord or plug is unusually hot.
 - You detect an abnormal sound or vibration.
 - Any other abnormalities or malfunctions.

- To prevent the hazard of electrical shock, only trained professionals should disassemble the machine.

COMPONENTS



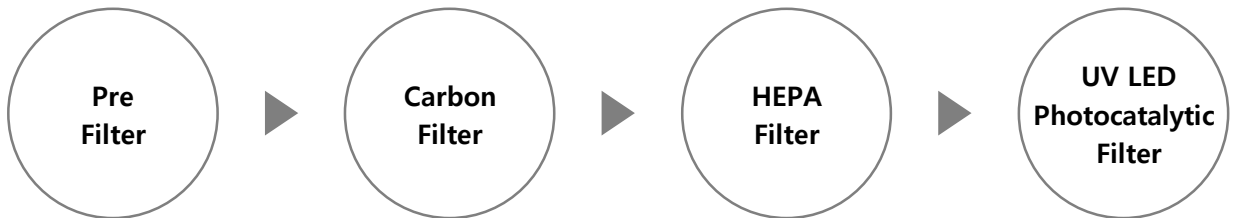
FEATURES

Key Features



- Using eco-friendly UV LED photocatalytic technology
- Excellent Sterilization & Deodorization Effect with LED
- Secondary product zero due to air pollutant removal
- No Ozone
- 99.9% Removes odor, harmful gas and bacteria by decomposition
- 4-steps filtering system for perfect Air Purification (Pre → Carbon → HEPA → LED Photocatalytic Filter)
- Excellent effect when installed in children, patient and elderly facilities

Filtering Systems



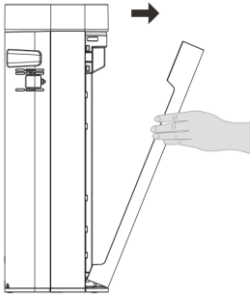
Pre Filter	Effectively filter out large particles such as hair, fibers, dust and hair above 5µm (micrometers).
Carbon Filter	Using high-efficiency cell activated charcoal, tobacco smoke, chemicals, odors, harmful substances, organic compounds (VOCs) are purified primarily.
HEPA Filter	Up to 99.9% of ultra-fine dust, fungi, bacteria and harmful substances below 0.3µm (micrometer) are collected and removed.
UV LED Photocatalytic Filter	Use eco-friendly UV LED photocatalytic technology to fundamentally decompose and eliminate harmful substances, viruses, germs, odors, etc.

※ Carbon Filter and HEPA Filter are integrated Filters.

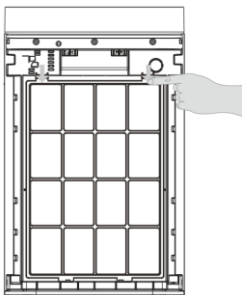
INSTALLING THE PRODUCT

Installing the Filter

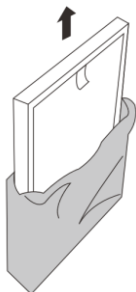
1. Removing the Front Cover
(Use both hands to pull)



2. Removing the Pre Filter

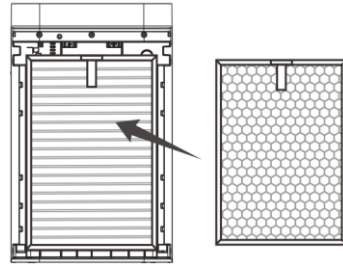


3. Take the filter out of the Packaging.



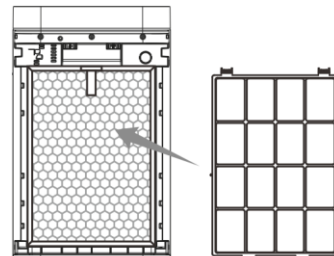
※ Make sure to remove plastic bag off the filter before use.

4. There are differences between the inside and the outside of the absorption filter (Carbon Filter and HEPA Filter).



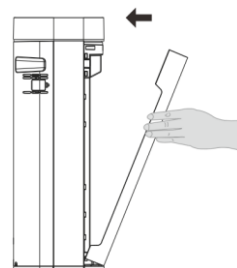
※ The side with a handle should be placed outwards.

5. There are differences between the inside and the outside of the Pre Filter.



※ The side with a handle should be placed outwards.








6. Install the Front Cover.



※ The product will not run if the front cover is uncovered.




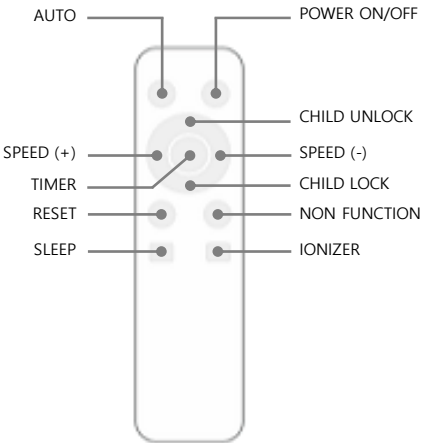
INSTALLING THE PRODUCT

Functional Description

Icon	Name	Description																										
	Power ON/OFF	When the product is plugged in and on standby, "POWER" button works to turn on the product. After this button being touched for the second time, the product turns to standby state. (The icon is red when standby and green when on) If you press the power button on the operation panel while the product is running, the product will enter into standby mode. (And the icon will turn red)																										
	TIMER	When the product is on, every touch of "TIMER" button will add 1 hour to the timing. When it accumulates to 12 hours, one more touch will turn it off. (The icon will stay on when the product operates in timing mode, otherwise it will be off)																										
	AUTO	When the product is on, after "AUTO" button being touched, negative ion generator and germicidal lamp will start to work, and the gear will be changed according to sensor's data. (The icon will stay on when the product operates in auto mode, otherwise it will be off). If users change "wind speed" under auto mode, the product will quit this mode automatically. <table border="1" data-bbox="531 1089 1295 1334"> <thead> <tr> <th>Gear</th> <th>PM 2.5 Data</th> <th>Light Color</th> <th>Gear</th> <th>PM 2.5 Data</th> <th>Light Color</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0~50</td> <td rowspan="2">Green (Good)</td> <td>5</td> <td>121~140</td> <td rowspan="2">Yellow (Bad)</td> </tr> <tr> <td>2</td> <td>51~80</td> <td>6</td> <td>141~160</td> </tr> <tr> <td>3</td> <td>80~100</td> <td rowspan="2">Blue (Average)</td> <td>7</td> <td>161~300</td> <td rowspan="2">Red (Very Bad)</td> </tr> <tr> <td>4</td> <td>101~120</td> <td>8</td> <td>301~500</td> </tr> </tbody> </table>	Gear	PM 2.5 Data	Light Color	Gear	PM 2.5 Data	Light Color	1	0~50	Green (Good)	5	121~140	Yellow (Bad)	2	51~80	6	141~160	3	80~100	Blue (Average)	7	161~300	Red (Very Bad)	4	101~120	8	301~500
Gear	PM 2.5 Data	Light Color	Gear	PM 2.5 Data	Light Color																							
1	0~50	Green (Good)	5	121~140	Yellow (Bad)																							
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4	101~120		8	301~500																								
  SPEED - SPEED +	SPEED	When the product is on, touch "SPEED -" or "SPEED +" to switch the gear and change the operating speed. After gear being changed, the motor will work only at the setting level without being affected by the sensor. (Touch "SPEED" button, and the product will quit auto mode)																										
	SLEEP	When the product is on, it will turn to sleeping mode 5 seconds after the "SLEEP" button being pressed. In sleeping mode, all the lights turns off and the product works at the first gear. Press any button to wake it up and then press "SLEEP" button to quit sleeping mode, or press "SPEED -" / "SPEED +" / "AUTO" button to quit after waking it up.																										
	CHILD LOCK	When the product is on, touch "CHILD LOCK" button to lock all the buttons. At that time all the buttons have no reaction to any touch, while the product still works how it is set before. Press "CHILD LOCK" button for 5 seconds and the product will quit this mode. (The icon will stay on when the machine operates in child lock mode, otherwise it will be off)																										

INSTALLING THE PRODUCT

Functional Description

Icon	Name	Description
	RESET	<p>This product has a regular reminding function of filter replacement, which works every 320 hours and 1500 hours, the indicator light on the panel will flash to inform users to clean the filter after cleaning, press the "RESET" button for 5 seconds, then the light will stop flashing. After every 1500 hours, the indicator light will stay on to inform users to renew the filter. At that time, press the button for 5 seconds so that the timing can be reset.</p> <p>When the product is on, press this button and the total working time will be shown in hours on the screen. This equals a check of working time.</p>
	Light-sensitive	<p>In auto mode, the product will turn to sleeping mode 2 minutes after the surrounding light <5x. It will quit sleeping mode 3 minutes after the surrounding light >5x, and then continue to work in auto mode.</p>
	REMOTE CONTROLLER	<p>This product is provided with a remote controller powered by lithium 3V dry cells. (please take out the dry cell if the remote control will not be used for long periods)</p> <p>There is a one-to-one correspondence between the buttons on the remote controller and the operation panel. The functions and operation methods are generally the same.</p> <div style="text-align: center;">  </div>

CLEANING & MAINTENANCE

※ Please proceed with the power plug before cleaning & maintenance of the product.

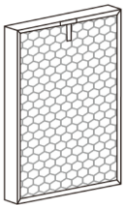
- Please use a soft cloth to remove stains and dirt from the product body.
For stains that cannot be gently wiped off, apply on an appropriate amount of water or diluted neutral detergent and wipe off.

▪ Pre Filter



- Clean the surface of the filter with a vacuum cleaner or wash with water. Allow to dry thoroughly.

▪ Integrated (Carbon + HEPA) Filter

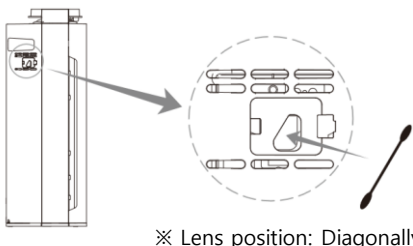


- Clean the dust from the front of the filter with a vacuum cleaner.
- The filter is delicate. Do not press too hard on the filter while vacuuming.
- Place the filter in a ventilated area, this will allow harmful gasses and germs to dissipate. Do not place under too much sun exposure.
- Do not use water to clean this filter.

▪ Photocatalytic filter

- Use a vacuum cleaner. Make sure not to press too much against the grill.

▪ Particulate sensor



- Wipe the lens with a dry cotton swab periodically to remove any dirt. (Moisture or tobacco smoke residue may cause it to no longer work properly)
- Do not insert the cotton swab into any area other than the lens.
- Be sure to unplug the power cord.

FILTER REPLACEMENT

※ You may need to replace filters sooner depending on where and how you use the appliance (such as a household with a large smoking population or areas with higher air pollution).

Since the filter is a consumable, it needs to be purchased separately and replaced if it is over its lifetime during the warranty period (such as when the air clean efficiency is noticeably lower).

Recommended filter cleaning/replacement period

Item	Cleaning period	Replacement period	Remarks
Pre Filter	4 weeks	Only if damaged	
Integrated Filter (Carbon + HEPA)	4 weeks	6 months	
LED Photocatalytic Filter	Once a year	-	
Air Quality Sensor	4 weeks	-	

※ Please refer to page 10 for how to clean the filter.

※ Photocatalytic filters do not require a separate replacement. Do not remove it when cleaning and replacing. If there is an abnormality in the photocatalytic filter, please contact the retailer where you purchased the product.

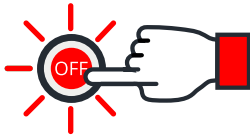
Filter change

(HEPA / activated carbon filter)

Recommended every 6 months



The indicator light will blink when it's time to clean the filters, and will constantly stay ON when filters need to be replaced. Depending on usage and air quality, change the filter at least once a year.



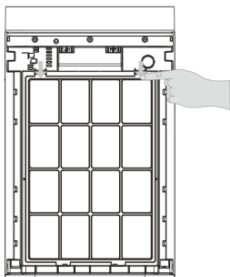
Switch off and disconnect the unit.



Have a sealable plastic waste bag ready.



To avoid possible contaminations, move the unit outside or in a well ventilated area. Alternative, ask people to temporarily leave the room.



To access the prefilter, remove the front cover from the device.



Reorder new filters at any time, please contact us

Phone: +49 (0) 30 39886850

E-mail: europe@airodoctor.com



We recommend to turn off the unit hours before cleaning or replacing the filters. For example, turn off the unit at night and replace them the following morning.

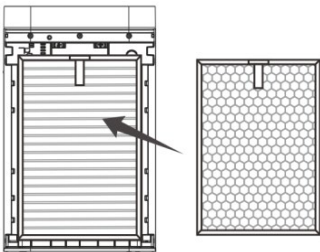
Filter change

(HEPA / activated carbon filter)

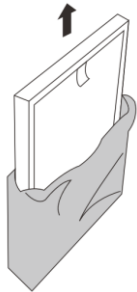
Recommended every 6 months



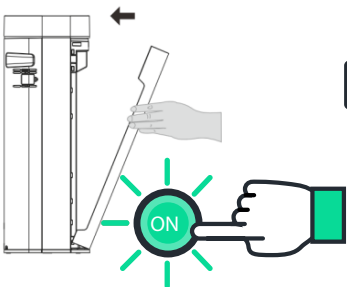
Use a vacuum cleaner to remove dust from the pre-filter.



Remove the activated carbon & HEPA filter from the unit and immediately put it in the sealable bag, to avoid spread of dust.



Remove the new filter from the packaging and insert it inside the device with the black side facing out.



Put the prefilter back into place and put on the front cover. Turn on the unit and enjoy the fresh air.



Dispose of the old HEPA filter in the standard domestic waste.



We recommend to turn off the unit hours before cleaning or replacing the filters. For example, turn off the unit at night and replace them the following morning.

Cleaning

Recommended every 4 weeks



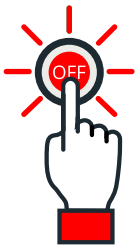
To avoid possible contaminations, move the unit outside or in a well ventilated area. Alternative, ask people to temporarily leave the room.



Use a vacuum cleaner to remove dust from the pre-filter.



Filter Cleaning - On average every 1 to 2 months depending on air quality or when the indicator light starts blinking.



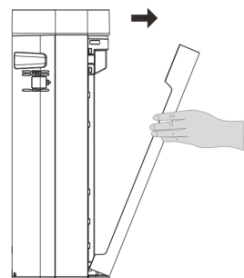
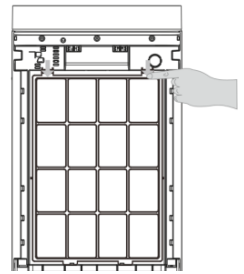
Switch off and disconnect the unit.



Wear a mouth-nose-cover during cleaning operation to protect your airways from dust and other contaminants.



We recommend to turn off the unit hours before cleaning or replacing the filters. For example, turn off the unit at night and replace them the following morning.

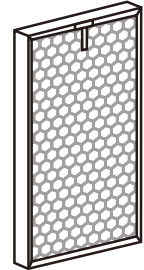


Cleaning

Recommended every 4 weeks

Important Integrated activated carbon + HEPA filter

- Remove dust from the front of the filter with a vacuum cleaner.
- The filter is sensitive: do not push too hard on the filter while vacuuming.
- Place the filter in a well ventilated area.
- Do not expose filter to direct strong sunlight.
- Never use water or other liquids and products to clean the filter.



Photocatalytic filter

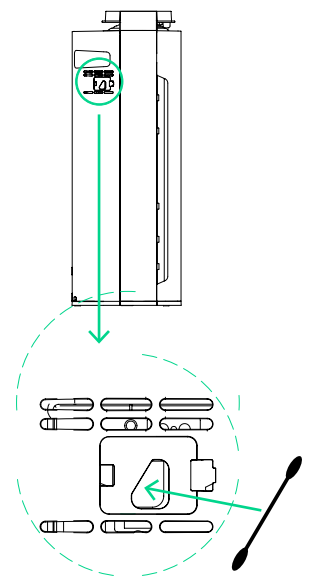
- Clean the filter every 12 month. Use a vacuum cleaner directly on the metal grid. Make sure not to press too hard on the filter.

Additional cleaning: Particle sensor

- Moisture or residues of tobacco smoke may affect the function of the sensor. Wipe the lens every every now and then with a dry cotton tip to remove any dirt.
- Insert the cotton tip only to clean the lens, avoiding any other area.
- Always disconnect the power plug.



Put back the filters and front cover, turn on the unit and enjoy the fresh air.



Lens position:
Diagonal

TROUBLESHOOTING

※ Before you request a complaint for a breakdown, please check the following troubleshooting instructions and contact the retailer where you purchased the product if the issue is not resolved.

Malfunction	Inspect / How to fix
Cannot turn on power or pressing button has no response.	<ol style="list-style-type: none"> 1. Make sure the power plug is fully inserted into the outlet, then press the power button to use it. 2. Make sure the front cover is inserted correctly. 3. Please make sure that the product is safely installed on a flat floor. 4. If the screen has a childlock turned on, press the lock button for 5 seconds to turn it off and use it.
When the air is dirty but the air condition indicator is good (Green).	<ol style="list-style-type: none"> 1. Please move the product to a position where you can easily inhale dirty air, dust, etc.
The air condition light is still very bad (Red) even though the product has been up for a long time.	<ol style="list-style-type: none"> 1. Please refer to the manual to clean the particulate sensor. (See page 10)
When a strange sound (knocking, chirping) flies in the product.	<ol style="list-style-type: none"> 1. Please refer to the manual to clean the ionizer. (See page 10)
When the product smells strange.	<ol style="list-style-type: none"> 1. Please clean the air intake and the internal filter (pre filter, integrated filter). (See page 10) 2. If you haven't replaced the filter for a long time, please purchase and replace it.
When the product feels like it doesn't improve air quality even after a long operation.	<ol style="list-style-type: none"> 1. Please make sure that the filter packaging (plastic bag) inside the product is properly removed. 2. Please make sure that the filter combination order is correct.
When the product is turned on and automatically switches to sleep mode shortly after.	<ol style="list-style-type: none"> 1. Please turn off sleep mode. (See page 10)

※ In addition to the above, if a product abnormally occurs, please contact the store where you purchased the product and receive and A/S.

We are not responsible for any accidents caused by the arbitrary disassembly and repair of the product. (A/S impossibility)

SPECIFICATIONS



Product Name	AiroDoctor Air Purifier
Model Name	WAD-M20
Max. Room Size	200 m ²
CADR (Clean Air Delivery Rate)	480 m ³ /h
Noise Level (Min/Max.)	33 ~ 55 dB
Filter Type	Pre Filter, Integrated (Carbon+HEPA) Filter, UV LED Photocatalytic Filter
HEPA Filter Grade	H13
Fan Speed	1 ~ 8 Levels
Timer	12 hours (max.), Set up in 1 hour increments
Filter Replacement Notice	Yes
Indicator Light of Air Quality	4 Levels Good (Green), Average (Blue), Bad (Yellow), Very Bad (Red)
Energy Efficiency	Class 4
Rated Voltage	110-230 V, 50/60 Hz
Power Consumption	85 W
Weight	10.5 kg
Dimensions	460 (W) x 230 (D) x 640 (H) mm



EU Declaration of Conformity

This declaration of conformity is issued under the sole responsibility of the manufacturer.

We hereby declare that the object of the declaration specified below in its design, construction and in the version marketed by us is in conformity with the relevant Union harmonisation legislation:

- Restriction of Hazardous Substances Directive 2011/65/EU
- Low Voltage Directive 2014/35/EU
- Electromagnetic Compatibility (EMC) Directive 2014/30/EU
- Ecodesign Directive 2009/125/EC

Manufacturer: Taeseok Precision & Industry Co., Ltd.
#172, Hwanggeum 1-ro 80beon-gil,
Yangchon-eup, Gimpo-si,
Gyeonggi-do, 10048,
KOREA

Importer: ScreenSource GmbH
Köthener Str. 8
06779 Raguhn-Jessnitz
GERMANY

Authorized person: Eddie Kim

Description of item:

- Object of Declaration: Air Purifier
- Model Name: AiroDoctor® UV-LED Photocatalytic Air Purifier
- Model No: WAD-M20

Name of Signatory: Eddie Kim

Date of Declaration: 01/01/2020

Title of Signatory: Managing Director

Place of Declaration: Seoul, Republic of Korea

Signature:

136-81-22831

태석정공(주) 이봉재

경기도김포시 양촌읍 황금1로 80번길 172

제 조 자 동 화 기 계
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