

# SM 111 Electrostatic Air Purifier

**User's Manual**  
Please read before using  
the equipment



This product earned the ENERGY STAR by meeting strict energy efficiency guidelines set by the US EPA. US EPA does not endorse any manufacturer claims of healthier indoor air from the use of this product.

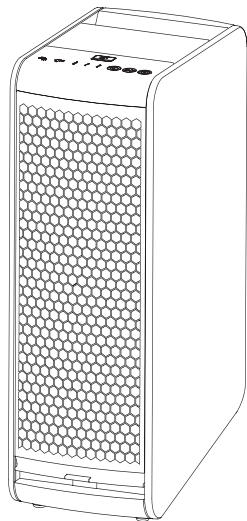


This air cleaner complies with the federal ozone emissions limit.  
**ARB CERTIFIED**

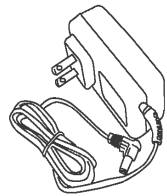
The energy efficiency of this ENERGY STAR<sup>®</sup> qualified model is measured based on a ratio between the model's CADR for dust and the electrical energy consumes, or CADR/ watt.

# PACKING LIST

1. Air Purifier - Main unit ..... 1 pc
2. Adaptor - DC15V / 1A ..... 1 pc
3. Cleaning Brush ..... 1 pc
4. Instruction Manual ..... 1 copy



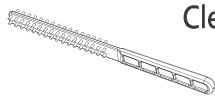
Air Purifier



Adaptor



Instruction Manual



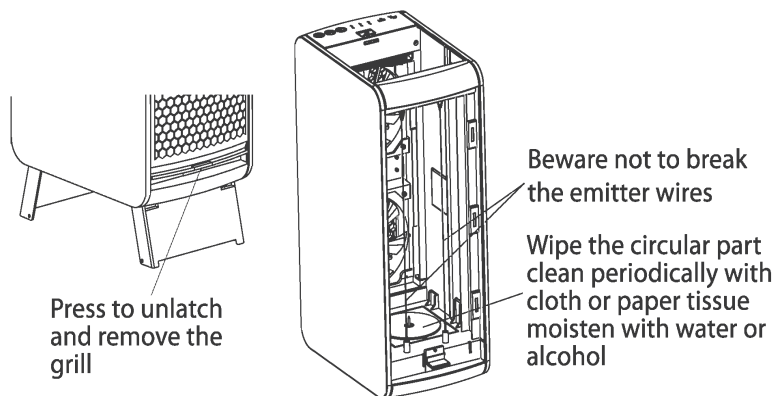
Cleaning Tool

# TECHNICAL SPECIFICATIONS

Speed	High / Medium / Low / Whisper		
Power adaptor input	100 - 240V 50/60 Hz		
Power adaptor output	15.0Vdc 1000 mA center positive		
Air Flow Rate (Cubic feet per minute)	150 cfm		
Clean Air Delivery rate	Dust	Tobacco smoke	Pollen
CADR (cfm)	137.9	124.4	124.4
CADR/Watt	11.2	10.2	8.2
Maximum power consumption (Watt)	15.0		
Suggested Room Size	100 - 400 sq.feet		
Ozone emissions (ppm)	High	Low	Whisper
	0,001	0,001	0,024
Viral Reduction Rate	Reduces more than 99,9% virus after 1 hour		
Filter	Permanent & washable		
Mechanical filters	Not required		
Product size (WxDxH)	152 x 241 x 395mm		
Net Weight	4.3 kg.		

[ Specification may change due to our continuous effort in engineering development ]

3. To clean the unit, UNPLUG THE POWER ADAPTOR AND REMOVE THE COLLECTION ARRAY FIRST. Use a moistened cloth to clean the outside of the unit.
4. The front and back grill can be unlatched and removed from the unit to facilitate cleaning inside. Care should be taken not to damage the ionization emitters. Periodically, use a moistened cloth to clean the ionization emitters and the internal walls especially those beside the ionization emitters. NO SOAP OR DETERGENT SHOULD BE USED; USE WATER ONLY.



## WARNING:

To reduce the risk of fire, electric shock or injury when using any electrical appliance, basic precautions should always be followed, including:

- Use indoors only.
- Use only with the provided AC adaptor.
- Unplug the adaptor from outlet when not in use and before servicing.
- Do not allow the appliance to be used as a toy. Close attention is necessary when the appliance is operated near children.
- Use only as described in this user manual.
- Do not use if adaptor or plug appears to be damaged. If the appliance is not working properly, or has been dropped, damaged, left outdoors, or dropped into water, return it to a service center or to the place of purchase.
- Do not handle the adaptor or appliance with wet hands.
- Do not put any object into openings. Do not continue to use with any opening blocked. Keep all openings free of dust, lint, hair, or anything that may reduce airflow.
- Keep hair, loose clothing, fingers, and all parts of the body away from openings.
- Do not operate the unit in areas where flammable or combustible products or vapors may be present.
- Touching a metal object may give a mild static shock if any part of the body is closer than 200 mm (8 in.) from the air inlet of an operating unit.

## TROUBLE SHOOTING

### NOT OPERATING, NO LIGHT INDICATION

- Ensure the AC adaptor is fully inserted into the AC outlet and its plug is connected to the dc jack of the air cleaner.
- Press the Power button momentarily to observe that it lights up.

### NOT OPERATING, INDICATOR FLASHING





- Check the collection array for dirt or any clotting by hairs or fibers.
- Clean the collection array as needed and install back in the air cleaner.
- Clean the internal wall of the unit especially those beside the ionization emitters. NO SOAP OR DETERGENT SHOULD BE USED; USE WATER ONLY.

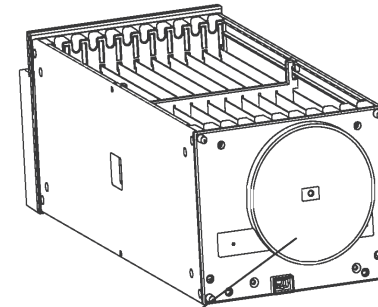
## AVERTISSEMENT :

Pour réduire le risque du feu, de décharge électrique ou de dommages en employant n'importe quel appareil électrique, des précautions de base doivent toujours être suivies, y compris:

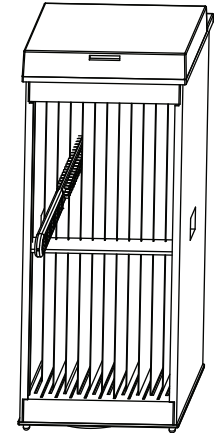
- Pour employer seulement à l'intérieur.
- Employez seulement avec l'adaptateur AC fourni.
- Débranchez l'adaptateur quand on ne l'emploie pas et avant l'entretien.
- Cet appareil n'est pas un jouet. Il faut garder les enfants qui sont près de l'appareil.
- Employez comme ce manuel décrit.
- N'employez pas si l'adaptateur ou la prise semble endommagée. Si l'appareil ne fonctionne pas, ou est tombé, a été endommagé, a été employé au dehors, ou est tombé dans l'eau, retournez tout de suite à un centre de service ou l'endroit d'achat.
- Ne touchez pas l'adaptateur ou l'appareil avec les mains humides.
- Ne mettez rien aux ouvertures. Cessez de l'employer si n'importe quelle ouverture est bloquée. Faites certain que tous les ouvertures n'ont pas des particules qui réduisent le flux d'air.
- Gardez les cheveux, les doigts, les vêtements lâches, et toutes les parties du corps loin des ouvertures.
- N'employez pas l'appareil dans les endroits avec les produits ou les vapeurs inflammables ou combustibles.
- Le contact d'un objet de métal peut donner un choc statique doux si une partie du corps est plus près que 200 millimètres de l'entrée d'air d'une unité d'opération.

## CLEANING AND MAINTENANCE

1. The dust collection array traps the smoke and air-borne particles effectively and should be checked and cleaned frequently. If it has not been checked for two weeks, the indicator  will light up to prompt the user to do so. To keep the unit at its optimal performance, please clean it periodically. If the array is too dirty, the unit will shut down automatically and flash the indicator  for a warning.
2. To remove the collection array, slide down the latch button  while gripping the handle and pulling out the array. Wet the array with a household cleaner and brush its collector plates with the provided cleaning tool. Then rinse it under warm running water. It is normal that the collector plates get tarnished after operating for some time, but this will not affect the effectiveness of the unit. Dry the array thoroughly before inserting it back into the unit. If the array is still wet, the unit detects it and will run a fan-only drying cycle for two hours before energizing the electrostatic filtering. Indicator  will light up during the drying cycle.



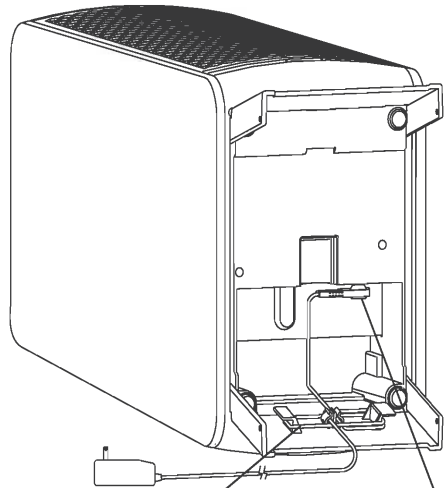
It is also important to clean the bottom part of the collector array and rinse thoroughly with water.



Brush the collection grid using the cleaning tool. This can be done under running water

(Note: to avoid static discharge, do not touch any metal parts of the collector grid when handling it. The discharge is not harmful but is unpleasant. To minimize the chance of static discharge, power down the unit using the power button on its control panel and wait for 30 seconds before handling the collector grid.)

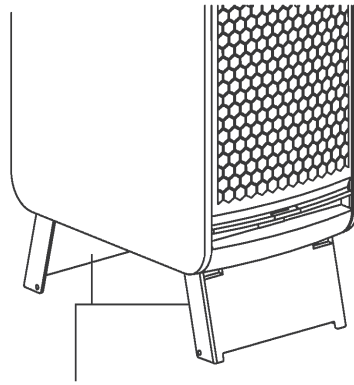
## POWER CONNECTION



Store excessive cord inside the stand







Low voltage cord plugs into the unit to provide power

## FOLDABLE LEGS



Flip-out feet to provide stand on the floor

## BASIC OPERATION

1. Press the Power button  to turn on the unit. If the unit is powered up the first time, it will turn on at the Silent Mode. Otherwise it will turn on to the previous power level before it was shut down. Crackling sound coming from the unit in the first few minutes of power up is normal.
2. Press the Power level button  repeatedly to cycle through power levels: low, medium, high and silent. The indicators , ,  will light up or turn off respectively. Use Low power for small rooms below 150 sq. ft. Use higher power for larger rooms or rooms with lots of air circulation.
3. Press the Boost button  to start the Turbo mode which boost the power level for 20 minutes. After which the unit will resume its previous power level. Use this mode for situations which require high power cleaning for a short period of time. Press this button again anytime to end the Turbo mode and resume the previous power level.

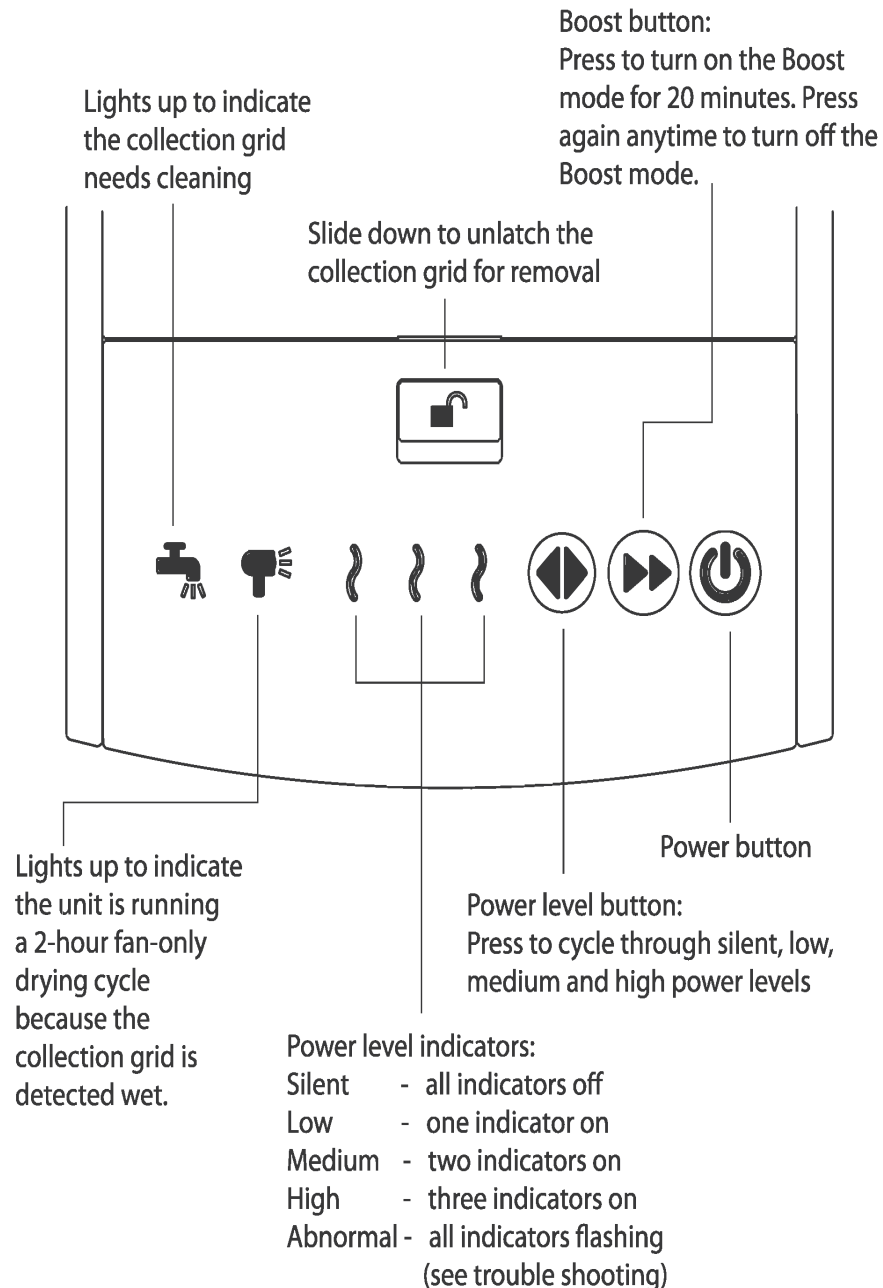
## INTRODUCTION

Thank you for your purchase of this energy-efficient high performance air purifier. Using our proprietary state-of-the-art electrostatic air cleaning technology, we have created this powerful yet compact appliance for you to enjoy a comfortable environment of cleaner air. This product is Energy Star compliant, which means it uses electricity efficiently. Its filter cell is permanent and washable. Therefore there is no filter to buy and the total operating cost is very low.

## FEATURES

1. Simple to use.
2. Energy Star compliance - highly efficient air cleaning with low operating cost.
3. Twin turbo fans for quiet but high performance operation.
4. Remove 95% of air-borne dust or particles for a 100 sq. ft. room in about 30 minutes.
5. Remove more than 99% of dust in the air in one pass.
6. Sophisticated measures to ensure safe operations: unit will not operate if the front or rear grill is opened; if the dust collection array is not installed; or if the unit is too dirty. If the collection array is not properly dried after washing, the unit will run a fan-only drying cycle for 2 hours before energizing the electrostatic filtering.
7. Indicator to prompt user when cleaning is needed.
8. No filter to buy.
9. Specially-designed cleaning tool is included for easy cleaning of the collection array.
10. Legs extendable for floor standing or foldable for desk-top use.
11. Excessive power cord can be stored in the base.
12. Twenty-minute Turbo Cleaning cycle to temporarily boost the cleaning power for situational cleaning needs.
13. Different power levels to suit rooms with different sizes.

## CONTROLS AND INDICATORS



Candles, gas heaters and other oil-burning products create soot. This soot can be distributed through a ventilation system and cause a sudden overload of soot to build up on and around the air purifier. For better air quality and less frequent cleaning, avoid burning candles indoors and have gas appliances checked on a regular basis.

The collection grid has many edges and areas that can trap water. If running water is used to clean the grid, allow the collection grid to dry completely.

This air purifier complies with current U.S. safety requirements for low ozone emissions for consumer products. We recommend that individuals with a history of respiratory disease consult with their doctor about possible heightened sensitivity to very low ozone.

## INSTALLATION

1. Remove the piece of black foam which secures the inlet and outlet grill during transportation.
2. Plug the AC power adaptor to an electrical wall outlet.
3. Insert the plug of the power adaptor into the jack underneath the base of the unit.
4. If the cord is too long, wind the excessive cord around the hooks on the inside of the foldable stand.
5. Extend the foldable legs to let the unit stand on the carpet or hard floor; or fold back the legs to let the unit stand on a desk.
6. Leave about (0.3m)1 foot behind and a free pathway in the front to allow unobstructed air flow for best performance.