



# **PREMIUM HOME AIR PURIFIER**

**ION450**



**USER MANUAL**

## DEAR CUSTOMERS

Thank you for purchasing the Ionmax Ion450 Air Purifier. The Ion450 can help to improve the indoor air quality in your home or office.

Please read this manual carefully before use to ensure proper usage and save these instructions for future reference.

The package includes:

- Ion450 air purifier
- User manual

**Note: Remove plastic bags from filters before use (see page 4)**

## CONTENTS

SAFETY INSTRUCTIONS	1
PRODUCT DIAGRAM	2
SPECIFICATIONS	2
PURIFICATION SYSTEM	3
PRE-OPERATION INSTRUCTIONS	4
CONTROL PANEL	6
OPERATING INSTRUCTIONS	7
FILTER REPLACEMENT	9
MAINTENANCE INSTRUCTIONS	10
TROUBLESHOOTING GUIDE	11
WARRANTY DETAILS	12
WARRANTY REGISTRATION	13

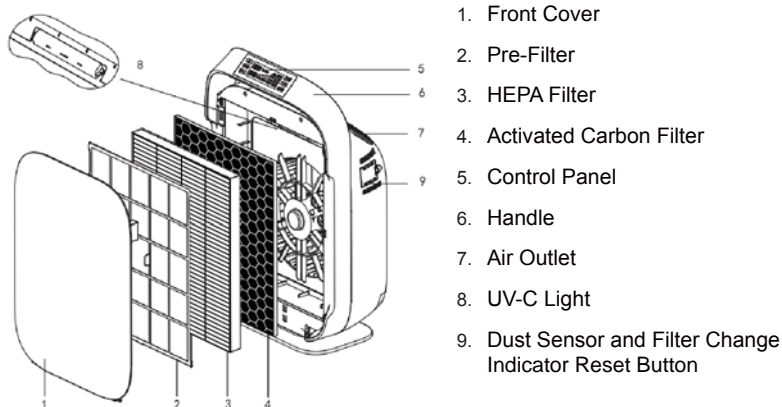
## SAFETY INSTRUCTIONS



### **PLEASE READ ALL THE TIPS AND WARNINGS BELOW BEFORE USING THE AIR PURIFIER.**

- Use only as directed in the User Manual.
- Do not allow children or persons with reduced physical, sensory, or mental capabilities to operate the unit without adult supervision.
- Only designed for use in an 220-240V, 50Hz outlet
- Use indoors only.
- Only operate the unit when it is fully assembled.
- Never touch the unit with wet hands or allow it to come into contact with water.
- Turn off all controls before unplugging the power supply.
- Always disconnect the unit from the power supply before moving or cleaning the unit, and when unit is not in use.
- When removing the power plug, always hold the plug and never pull the cord.
- This air purifier is not a substitute for proper ventilation, regular vacuum cleaning or an extractor hood or fan while cooking.
- Leave at least 20cm of space behind and on both sides of the unit and leave at least 30cm space above the unit.
- When unit is in operation, please place the unit at least 2m away from equipments that emit electric waves such as televisions, radios and clocks, to prevent electrical interference from occurring.
- Do not use the unit in bathrooms, kitchens, humid areas, near fireplaces, or place it in proximity to flammable or combustible products to avoid electric shock and a fire hazard.
- Do not clean the unit with water or any other liquid including flammable products.
- Never operate the unit if the plug or cord appears damaged. Contact the authorised distributor or qualified personnel immediately for examination and repair.
- Do not insert fingers or foreign objects into the intake or air outlet or block them by placing items on the air outlet or in front of the air inlet.
- Do not place anything on top of the unit and do not sit on the unit.
- Do not place the unit directly below an air conditioner to prevent condensation from dripping into the unit.
- Do not use this unit when you have used indoor insect repellents (aerosols) or in places with oily residues, burning incense or chemical fumes.
- Do not use the unit in a room with major temperature changes, as this may cause condensation inside the unit.

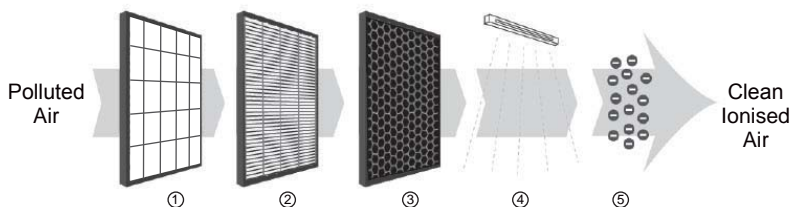
## PRODUCT DIAGRAM



## SPECIFICATIONS

<b>Model</b>	Ionmax ION450
<b>Voltage</b>	220-240V, 50Hz
<b>Power Rating</b>	≤70W
<b>Coverage Area</b>	Up to 50 m <sup>2</sup>
<b>CADR Smoke</b>	282 CFM (US standard 0.1μm)
<b>CADR Dust</b>	310 CFM (US standard 0.1μm)
<b>CADR Pollen</b>	340 CFM (US standard 0.1μm)
<b>Germ Killed</b>	99%
<b>Noise Level</b>	Low: <29dB, Mid: <45dB, High: < 57dB, Turbo: <62dB
<b>UV Life</b>	≥10,000 Hours
<b>Filter Life</b>	12 months (based on typical use)
<b>Weight</b>	9.5 KG
<b>Dimension</b>	238 (L) x 445 (W) x 680 (H) mm

## PURIFICATION SYSTEM



### 1. Washable Pre-Filter

Traps large particles such as human hair, pet dander and dust particles. Helps to extend the life of the HEPA and Activated Carbon filters.

### 2. True HEPA Filter

Traps allergens and airborne contaminants down to 0.3 microns in size at a rate of 99.97%. These allergens include lung damaging dust, mould spores, plant spores, pet dander, and pollen.

### 3. Activated Carbon Filter

Neutralises odours and other Volatile Organic Compounds (VOC's) such as formaldehyde, benzene, and other harmful fumes emitted by household products.

### 4. UV-C Light (254NM)

Kills airborne germs, viruses, fungi and bacteria.

### 5. Negative Ions

Improve indoor air quality by combining with dust or reacting with odour molecules and removing them from the air we breathe.

## PRE-OPERATION INSTRUCTIONS

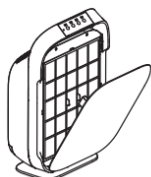
### REMOVE FILTER PACKAGING

The Ion450 comes with all filters fitted inside, but you have to remove the packaging of the filters before you can use the air purifier.

Remove all filters, unpack them and place them back into the unit as described below.

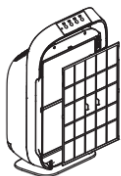
**Tip:** Place the appliance against a wall for more stability when you remove or insert filters.

**Note:** Make sure you insert the filters in the correct position and sequence.



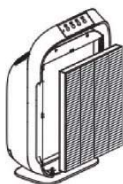
#### Step 1.

Place your fingers in the recesses of the side panels and gently pull the top part of the front panel towards you. Then, lift the hooks at the bottom of the panel out of the bottom of the unit.



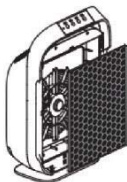
#### Step 2.

Remove pre-filter from the unit.



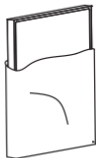
#### Step 3.

Remove HEPA filter from the unit.



#### Step 4.

Remove Activated Carbon filter from the unit.



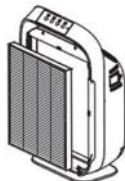
**Step 5.**

Remove all packaging material from the filters.



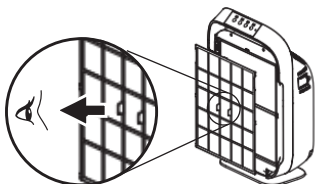
**Step 6.**

Place Activated Carbon filter back into the unit, making sure that the side with the tab is facing you.



**Step 7.**

Place HEPA filter back into the unit, making sure that the side with the tab is facing you.



**Step 8.**

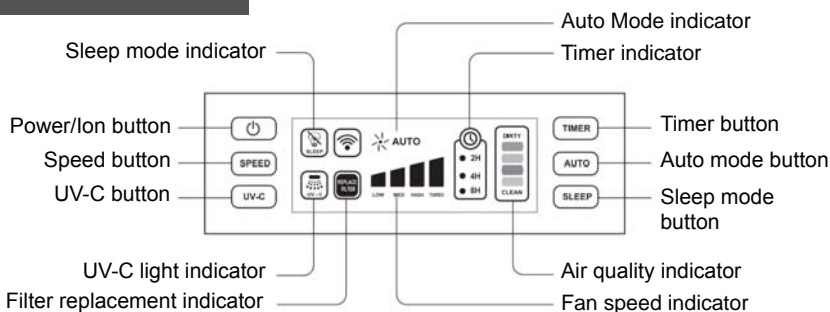
Place Pre-filter back in the unit, making sure that the side with the tabs is facing you.



**Step 9.**

To reattach the front panel, insert the bottom hooks into the bottom of the unit first. Then push the panel against the body of the unit.

## CONTROL PANEL



### FAN SPEED INDICATOR



### TIMER INDICATOR



2 hours



4 hours



8 hours



No setting

### AIR QUALITY INDICATOR



Good air quality  
Low fan (in Auto)



Normal air quality  
Medium fan (in Auto)



Slight air pollution  
High fan (in Auto)



High air pollution  
Turbo fan (in Auto)

### UV-C LIGHT INDICATOR



UV-C light  
operating



UV-C light  
off

### AUTO OPERATION INDICATOR





Auto mode  
operating

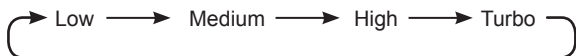




No setting

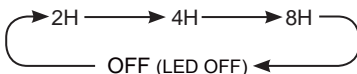




### USING THE APPLIANCE

1.  **Power button**  
Press this button to turn the unit on or off. The Negative Ion generator automatically starts up and shuts down at the same time.
2.  **Fan speed button**  
Press this button one or more times to select the desired fan speed. The corresponding fan speed indicator lights up to indicate the current fan speed (Low, Med, High, Turbo).



3.  **UV-C button**  
Press this button to turn the UV-C light on or off.
4.  **Timer button**  
Press this button to select the timer settings for 2, 4, or 8 hours.



5.  **Auto mode button**  
Press this button to operate the unit on Auto mode. The unit will adjust the fan speed according to the air quality.
6.  **Sleep mode button**  
Press this button to operate the unit on Sleep mode. The unit will continue operating and the LED display lights will turn off.

## SLEEP MODE WARNING

When pressing the “SLEEP” mode button, the sleep mode indicator will light up for 10 seconds, then all LED display lights will turn off, but the appliance will keep operating on the previous settings.

Press any button to switch the LED display lights back on.

If the “SLEEP” mode button is not pressed, the sleep mode indicator will light up for 10 seconds and the unit will go into sleep mode again.

Press the “SLEEP” mode button to turn sleep mode off.

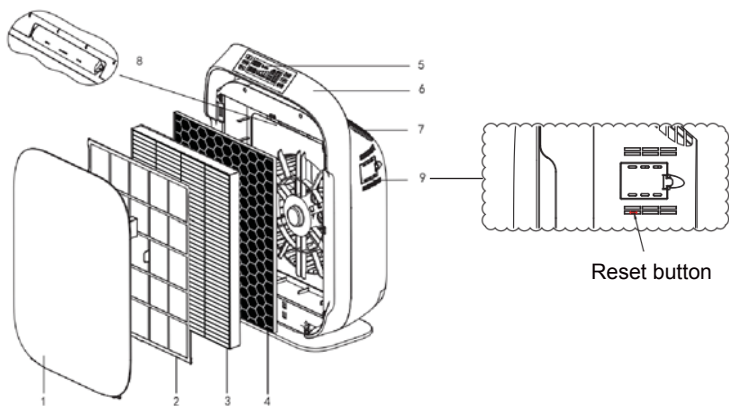
## FILTER REPLACEMENT INDICATOR

When “Replace Filter” indicator lights up in blue, it indicates that the HEPA and Activated Carbon filters need to be replaced.

Follow the instructions on Filter Replacement to change the filters. After replacing the filters, press the reset button to reset the indicator light.

The built-in timer for the filter replacement indicator is 4,320 hours.

**Note:** The HEPA filter and the activated carbon filter have a similar lifetime. Therefore they have to be replaced every 6 months (if used 24 hours daily) or 12 months (if used 12 hours daily).



## **FILTER REPLACEMENT**

### **PRE-FILTER MAINTENANCE**

- The pre-filter can be washed with water. Dry it completely before replacing into the unit.
- Do not use sharp objects to clean the pre-filter, as this can damage the filter.

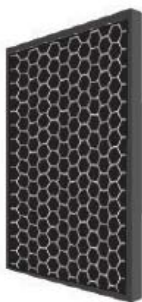
### **HEPA FILTER MAINTENANCE AND REPLACEMENT**

- Every three months, remove the HEPA filter from the unit and dry it under direct sunlight. Use a vacuum cleaner or soft brush to remove dust buildup on the filter. This will help to extend the life of the filter and maintain its performance.
- The HEPA filter is not washable.
- The HEPA filter can be used for about 1 year, but its actual life is based on the air quality condition and daily maintenance.



### **ACTIVATED CARBON FILTER MAINTENANCE AND REPLACEMENT**

- Every three months, remove the Activated Carbon filter from the unit and dry it under direct sunlight. Use a vacuum cleaner or soft brush to remove dust buildup on the filter. This will help to extend the life of the filter and maintain its performance.
- The Carbon filter is not washable.
- The Carbon filter can be used about 1 year, but its actual life is based on the air quality condition and daily maintenance.



Please see page 4 for detailed filter replacement instructions

## **MAINTENANCE INSTRUCTIONS**

### **CLEANING THE UNIT**

- Always unplug the power supply before cleaning the unit.
- Do not put the unit into water or use water to wash it directly.
- Do not use any corrosive or flammable detergent to clean the unit.
- Use a soft cloth with daily cleanser to clean the unit, and make sure the unit is completely dry after cleaning.
- Regularly clean the inside and surface, to prevent dust from gathering.
- Regularly clean the air inlet and air outlet.

### **STORAGE INSTRUCTIONS**

If the unit will not be in use for a long time, please pack and store it properly:

- Unplug the power supply of the unit.
- Clean the pre-filter and dry it completely.
- Use a soft cloth to clean the HEPA and Activated Carbon filters, and dry them completely.
- Use a soft cloth to clean the air inlet and air outlet.

### **CAUTION**

Proper use and regular maintenance can ensure efficient operation and extend the life of the unit. Do not attempt to repair or adjust any electrical or mechanical functions on this unit. All servicing should be performed by qualified personnel only.

## TROUBLESHOOTING GUIDE

Problem	Probable Cause	Solution
Unit not operating	Power cable not plugged in	Plug in power cable
	Power cable not plugged in properly	Plug in power cable correctly
	Front cover not attached properly	Reattach the front cover
Loud noise	Filters not unpacked	Unpack the filter packaging (see Pre-Operation Instructions)
	Too much dust on pre-filter	Clean the pre-filter
	HEPA and Carbon filters dirty	Replace HEPA and Carbon filters
Abnormal noise	Loose parts inside the unit	Contact customer service center
	Motor broken	
Indicator lights not switched on	Unit is in Sleep mode	Turn off Sleep mode (see page 8)
	Product circuit control failure	Contact customer service center
UV-C indicator light is off	UV-C is switched off	Press the UV-C button
	UV-C Light broken or needs replacement	Contact customer service center
Can't detect air quality	Dust sensor dirty	Clean the dust sensor
	Dust sensor fault	Contact customer service center



## WARRANTY DETAILS

**Congratulations on your purchase!** It is our aim to provide you with quality products that you can trust. Our products come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or a refund for a major failure and for compensation for any other reasonably foreseeable loss or damage.

You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

### The Guarantee

The product is guaranteed to be free from defects in workmanship and parts for a period of 24 months from date of purchase. Defects that occur within this warranty period, under normal use and care, will be repaired, replaced or refunded at our discretion, solely at our option with no charge for parts and labour. The benefits conferred by this warranty are in addition to all rights and remedies in respect of the product that the consumer has under the Trade Practices Act and similar state laws.

### Proof of Purchase

This warranty is valid for the original purchase and is not transferable. Please keep your purchase docket or receipt as proof of purchase and as proof of date on which the purchase was made. The purchase docket (or a copy) or receipt must be presented with the warranty when making a claim under this warranty.

### Service during the Warranty Period

To claim for warranty, contact us on 1300 800 200 or [support@andatech.com.au](mailto:support@andatech.com.au) to get an RA# (Return Authorisation Number) or submit a support ticket on [my.andatech.com.au](http://my.andatech.com.au). Ensure that the RA# is clearly stated on the outside of the packaging and that the product is properly packaged so that no damage occurs to the product during transit. Shipping of the product back to us for warranty will be at your cost. A product return without the RA# or proof of purchase will not be accepted.

### Extent of Warranty

This warranty is limited to defects in workmanship or parts. All defective products or parts will be repaired or replaced. This warranty does not cover manuals and packaging.

### Normal Wear and Tear

This warranty does not cover normal wear and tear to the product or parts.

### Exclusions

This warranty does not cover:

- Any defect caused by an accident, misuse, abuse, improper operation, lack of reasonable care, unauthorised modification, loss of parts, tampering or attempted repair by a person not authorised by the distributor.
- Any product that has been damaged by a lightning strike either directly or indirectly or a main power surge or liquid ingress.
- The product if it is located outside of Australia.
- Any damage caused by improper power input or improper cable connection.

**Andatech Corporation Pty. Ltd.**

PO Box 3038, Nunawading VIC 3131, Australia.

Phone: 1300 800 200 Fax: 1300 883 802 Email: [support@andatech.com.au](mailto:support@andatech.com.au)

A circular seal with a thick black border. Inside, the text "24" is large and bold, with "MONTHS" in a smaller font below it, and "WARRANTY" in an even smaller font at the bottom.

**24**  
MONTHS  
WARRANTY

## WARRANTY REGISTRATION

Register your Ionmax Ion450 online at **my.andatech.com.au** or fill out this form and forward to the address below with a copy of your proof of purchase. Contact us on 1300 800 200 or visit [www.andatech.com.au](http://www.andatech.com.au) for options to extend your warranty.

**Andatech Corporation Pty Ltd**  
**PO Box 3038, Nunawading VIC 3131, Australia.**

Product	:	<b>Ionmax Ion450</b>
Date of Purchase	:	_____
Place of Purchase	:	_____
Serial No.	:	_____
Surname	:	_____
Given Name	:	_____
Address	:	_____
Suburb	:	_____
Postcode	:	_____
State	:	_____
Contact No.	:	_____
Email	:	_____





ionmax.com.au  
1300 800 200

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