



Instruction Manual 使用說明書

Air Purifier 空氣淨化器

Model/型號: KJ500F-B01-HK



Please read this manual before use.

使用前請細閱本說明書

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Important Notes

Thank you for choosing A.O Smith Air Purifier. To optimize the performance of the air purifier, please read and follow this instruction manual. Also please keep this manual in a safe place for future reference.

1. For the initial operation or after replacement of filters, please remove the packing of filters according to the instruction. Otherwise, the machine will not perform properly.
2. Do not disassemble, repair or modify the machine; any unauthorized disassemble, repairing or modification may cause malfunction, danger or fire.
3. Do not touch, insert or remove the power plug with wet hands, otherwise it may cause risk of electric shock.
4. Do not spill water to the machine or immerse machine into water; otherwise it may cause fire or risk of electric shock.
5. Do not operate the machine in an environment with flammable gas or metal dust; otherwise it may cause fire.
6. Do not operate the machine in a humid, wet, hot or large temperature difference environment; otherwise condensation inside the machine may cause risk of electric shock or fire.
7. Do not operate the machine in a greasy environment; otherwise it may rupture the casing of the machine and resulting in exposure of electrical parts to cause fire or injury.
8. Do not damage power cord; power cord cannot be pressed, bended, pulled or twisted. Also, do not place heavy object on the power cord, do not let power cord caught between objects. If the power cord is damaged, it may cause fire or risk electric shock.
9. Do not operate the machine if the power plug is damaged, deformed or in an unsafe condition, otherwise it may cause fire or risk of electric shock.
10. The machine cannot be placed outdoor, must avoid direct sunlight to prevent the casing is faded.
11. Do not place the machine near heat source; otherwise the casing of the machine may be deformed.
12. Do not insert finger or object into the air inlet or outlet; otherwise it may cause body injury or damage to the machine.
13. Do not operate the machine while spraying insecticides. The substance of insecticides can be accumulated in the machine. If the machine operates again, the substance will volatilize to the air and damage to health.
14. Do not block the air inlet or outlet; otherwise clean air will not circulate throughout the room also may damage the machine.
15. Do not clean the machine with volatile detergent or spray insecticides on the machine. This kind of substances can deform the casing of the machine and cause risk of electric shock or fire.
16. Do not sit or stand on the machine. Sitting or standing on the machine may lead to potential injury.
17. The machine cannot remove carbon monoxide. It cannot be used as a safety device in case of accidents with combustion processes and hazardous chemicals.
18. The machine can only be operated when it stands vertically; otherwise it may cause malfunction to the machine.
19. Unplug the machine if not in use over a period of time.
20. Unplug the machine while maintenance, repairing or moving the machine.
21. This machine is not suitable to be operated by the following person: Person with reduced physical, sensory or mental capabilities and knowledge unless they have been given supervision or instruction concerning use of the appliance in a safe way. Child shall not play with the machine.
22. To optimize the performance, suggest placing the machine in the middle of the room and reserve 50cm of clearance space to all sides of the machine.

Caution: If any part of the machine is damaged, please contact Customer Services for assistance. This machine can only be inspected, maintained or repaired by a competent person who is authorized by A.O Smith. Otherwise, the warranty will be voided also may dangerous to user.

Product Characteristic

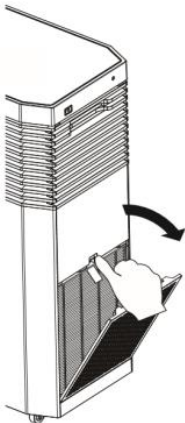
Physical filtration compounds have been applied to the machine as the purification principle:

- Pre-filters can capture substances in the air, such as hair and large particle pollutants; also help to extend the lifespan of main-filters.
- Main-filters are constructed by HEPA (High-Efficiency Particulate Arrestance) and Modified Activated Carbon. This combination can capture the size of solid pollutants above 0.3µm (Micrometer); also remove decoration pollution, such as formaldehyde, methylbenzene and TVOC. An extra layer of anti-bacteria has been applied to the HEPA to inhibit bacteria to grow for healthiness.

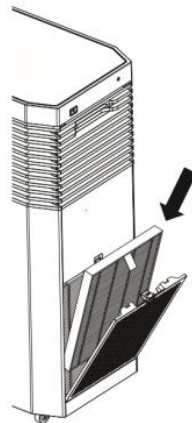
Filters Installation

1. Pre-filters installation

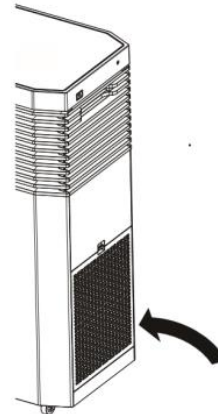
Note : Pre-filters have been pre-installed by factory; no installation is needed for the initial operation.



- 1 Disconnect the power supply & open the inlet louvers on both sides.

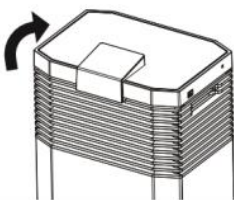


- 2 The handle on the filter should toward inlet louver, and replace both pre-filters together as shown above.

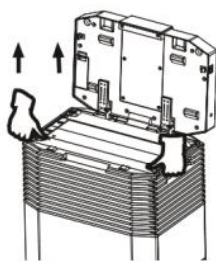


- 3 Close both inlet louvers after replacement of pre-filters.

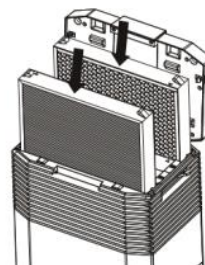
2. Main-filters installation



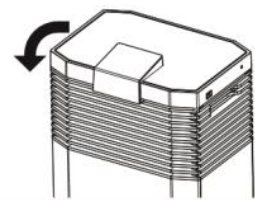
- 1 Open the top cover by pressing the lock on both sides of the unit.



- 2 Pull up main filters as shown above, and remove filters' packing.

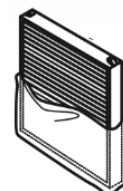


- 3 The arrowhead on filters and unit should point to each other, insert filters as shown above.

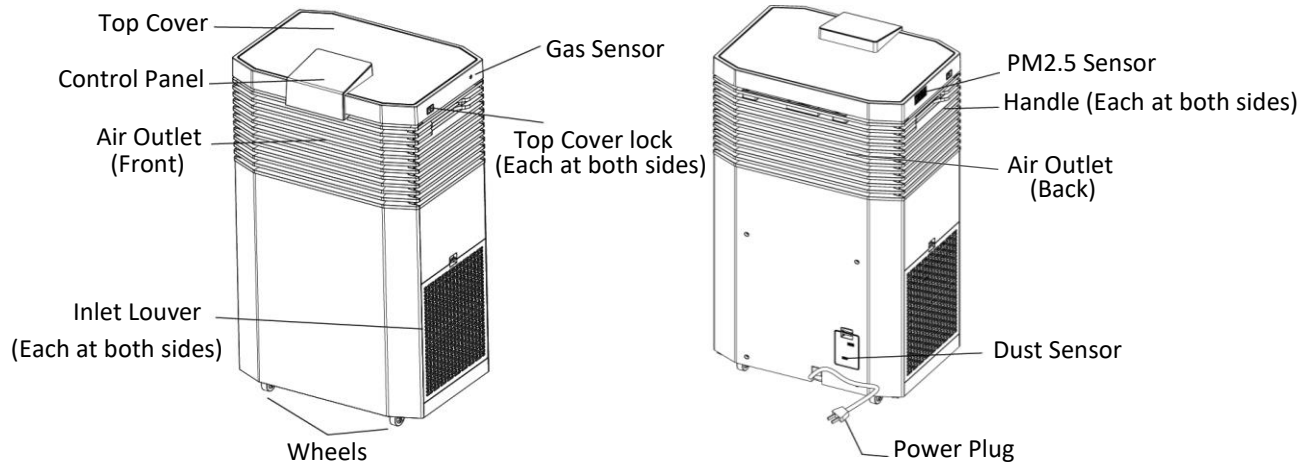


- 4 Close the top cover.

Important: The packing of main-filters must be removed before the unit is operated.



Product Features



Product Specifications

Model		KJ500F-B01-HK	
Clean Air Delivery Rate (CADR)	Particulate Matter	m ³ /h	500
	Formaldehyde		120
Cumulate Clean Mass (CCM)	Particulate Matter	Grade	P4
	Formaldehyde		F4
Purification Efficiency	Particulate Matter	m ³ /(W.h)	7.9
	Formaldehyde		1.9
Applicable Area		m ²	35~60
Rated Input		W	63
Noise Level		dB(A)	63
Voltage		—	220V~/50Hz
Dimension (W x D x H)		mm	381 x 275 x 708

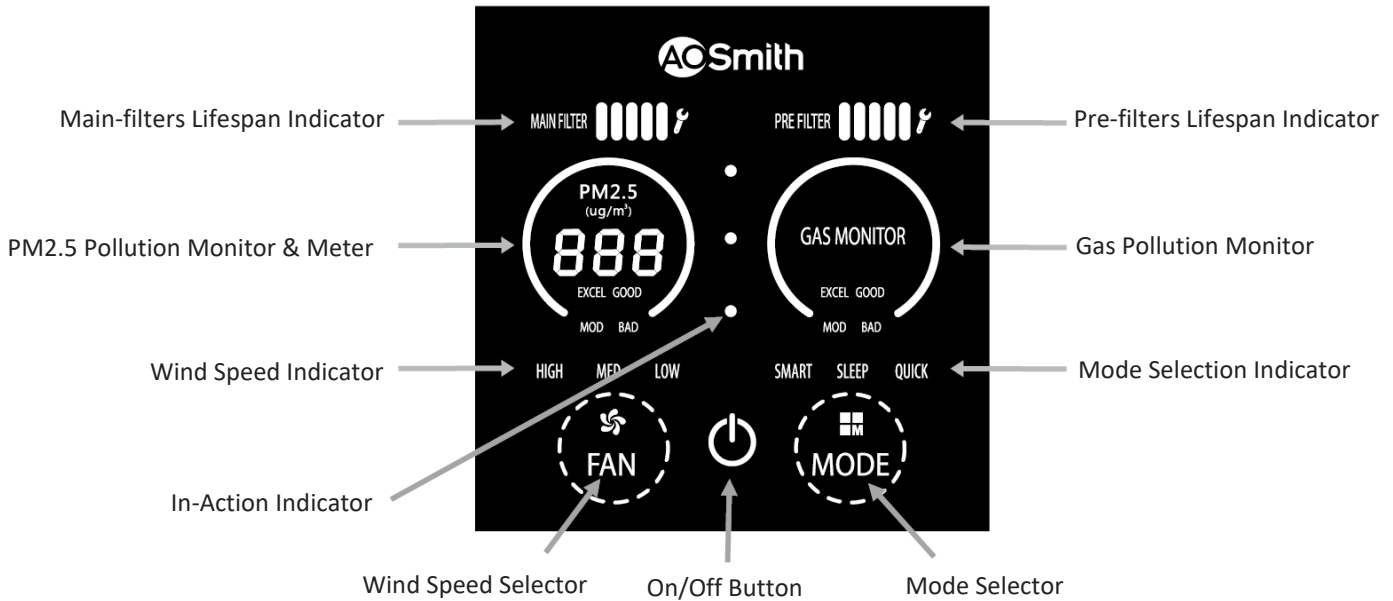
Packing List



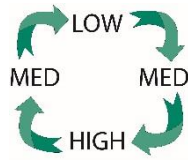
Each unit of air purifier should pack with the following items:

No.	Item	Unit	QTY	Note
1	Air Purifier	No.	1	—
2	Instruction Manual	No.	1	—
3	Pre-filters	PC.	2	Have been pre-installed by factory.
4	Main-filters	PC.	2	Have been placed inside the unit, remove packing before operation.
5	PM2.5 Sensor Filters	PC.	2	Have been placed inside the packaging of instruction manual.

Operation Instructions

Control Panel of Air Purifier



To Operate	Mode Selector	Wind Speed Selection
<ul style="list-style-type: none"> A “beep” will be heard and the  will light up after the plug is connected to the power. Press  to turn on the unit, sensors will initialize and all icons will light up one by one. 	<ul style="list-style-type: none"> Smart Intelligence system will detect air quality, brightness of surrounding and change its setting automatically to the optimize performance Sleep Indication light will go off & lower the wind speed to create a peaceful environment for sleeping Quick Suggest to select this mode if environment is badly polluted 	<ul style="list-style-type: none"> Keep pressing the wind speed selector to adjust wind speed <div style="text-align: center;">  </div>

Note:

The sensors will initialize after the first time of the unit is being connected to the power supply; or being turned on again after the unit is not in use for a period of time. The process of initialization will take 2-5 minutes to complete. After this process is completed, the PM2.5 and Gas indicators will light up automatically.

PM2.5 Monitor

The PM2.5 sensor can measure the volume of PM2.5 in the nearby area and display the actual measurement on the real-time monitor. The air quality will also be analyzed and categorized into 4 grades, which are “Excellent”, “Good”, “Moderate” and “Bad”.

Gas Monitor

The Gas sensor can detect the existence of gas pollutants in nearby area, the air quality toward gas pollutants will also be analyzed and categorized into 4 grades, which are “Excellent”, “Good”, “Moderate” and “Bad”.

Air Cleanliness Halo

The PM2.5 and Gas Monitors also equipped with Air Cleanliness Halos, the Halos will change in color to illustrate 4 different grading of air cleanliness as below:

- Excel ----- Blue
- Good ----- Yellow
- Mod ----- Orange
- Bad ----- Red



Note:

- The gas sensor is not designed to detect a specific type of gas pollutant. When user measures a specific type of gas pollutant such as formaldehyde, the result of measurement may differ from the unit's sensor. If strong odor is smelled, Quick mode is suggested to activate for fast purification.
- The measured value of PM2.5 from the unit is for reference only; the precision of the sensor can be interfered by other appliances, such as humidifier.

Maintenance

Caution:

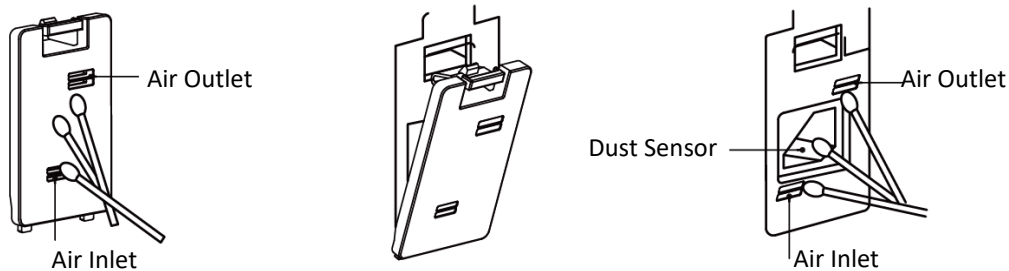
- The power plug must be unplugged before cleaning or maintenance the unit.
- Please use a soft cloth or cotton swab to clean the unit, other hard object may damage unit's casing.
- Only mild detergent can be used for cleaning, otherwise the unit's casing will be damaged.

1. Outer casing of the unit

- Clean the unit with a soft clean cloth regularly.
- Clean the louvers of air inlet and outlet with a vacuum cleaner or soft clean cloth regularly.
- To deal with tough stains, wipe the unit's casing with a cloth dipped in diluted mild detergent. Please make sure the unit is completely dry before operate.

2. The dust sensor

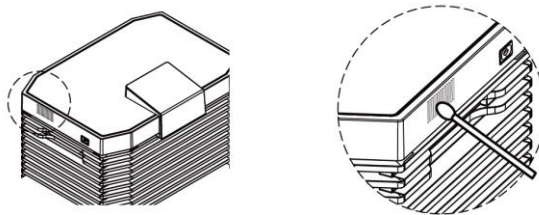
- Please clean the dust sensor at least every three months, clean frequently if the unit operates in dusty environment.



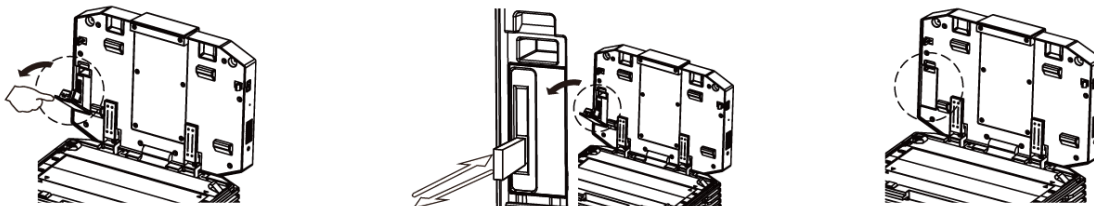
- 1 Clean the louver of the sensor with a cotton swab
- 2 Remove the cover of sensor
- 3 Clean the air inlet, outlet and surrounding area of sensor with a cotton swab

3. PM2.5 sensor

- Please clean the PM2.5 dust sensor at least every three months, clean frequently if the unit operates in a dusty environment.



- A protection filter has been attached to the PM2.5 compartment. Please replace this filter together with the pre-filters. Two spare filters have been placed inside the packaging of the instruction manual.



- 1 Open the top cover and pull down the PM2.5 sensor cover as shown above.
- 2 Replace a new protection filter.
- 3 Put back the sensor cover to the top cover.

Caution: The gas sensor has been built inside the unit, it is inaccessible for cleaning.

4. The filters

Caution:

- The power plug must be unplugged before cleaning or maintenance the unit.
- Please replace both main-filters at the same time, not individually!
- Please replace both pre- filters at the same time, not individually!


I. Cleaning and maintaining the filters

- Provides proper cleaning can extend the lifespan of the filters. User can remove both pre-filters and main-filters from the unit; then clean the dust on the filters surface with a vacuum cleaner. (No cleaning or maintenance is needed for the interior of the filters, please be reminded that washing or exposing the filters to the sun light is prohibited.)


II. Filters' lifespan indicator

- The lifespan of filters is represented by five green bars as shown below; green bar will goes out by each gradually along with the running hour of the unit.







- When only one bar remains and the color turns to orange, a “Replacement Icon ” will also appear to remind user to replace the filters.



- When the remaining bar turns to red and filters are not yet to be replaced. The “Replacement Icon ” will flash three times together with alarm to alert user to replace filters immediately. If no action has been taken, the performance of purification will be affected and the unit will be shut down by electronic system eventually to prevent secondary pollution.



III. To reset filters' lifespan indicators

- Step One: Replace Main/Pre-filters
Replace main/pre-filters according to instruction and indication of unit.
- Step Two: Reset filters' indicators
- Press  and  at the same time for 3 seconds, the words of “MAINFILTER” and “PREFILTER” will flash and follow the instruction below to reset the designated filters respectively:
- Reset main filters lifespan indicator: Press  again, five green bars will appear and the “Replacement Icon” will disappear.
- Reset Pre-filters lifespan indicator: Press  again, five green bars will appear and the “Replacement Icon” will disappear.



Troubleshoot

1. Problems caused by abnormal use or environment:

Symptoms	Possible Cause	Solution
No wind from the unit	Is the power supply normal?	Check power supply
	Is the power plug plugged properly?	Check power plug
	Are the packing of filters not been removed?	Check main/pre-filters
	Is any object blocking the air in/outlet?	Remove the object
The result of purification is not obvious	Is there any obstacle around the unit that blocks air circulation?	50cm of clearance space is suggested to reserve around the unit
	Is there any dust or filth has been accumulated in the air in/outlet?	Clean air in/outlet, louvers, sensors and filters regularly
	Does the filters life end?	Check & replace filters if replacement icon lights up, and reset indicators
Odor from the unit	Odor of new material	Operate the unit in a well ventilated environment until the odor disappears
	Odor of cigarette, insecticide, air freshener or perfume has been inhaled during the unit is operating.	
	Is the unit operates in a strong odor environment such as smoking room or barbeque restaurant?	In this circumstance, filters needed to be replaced and reset indicators frequently even not prompted by indicators
	Is there any dust or filth has been accumulated in the air in/outlet?	Clean air in/outlet, louvers, sensors and filters regularly
The air flow rate doesn't react to the change of displayed measurement	Is Sleep or Quick Mode selected other than Smart Mode?	The air flow rate will react to the change of measurement automatically only if the Smart Mode is selected.

2. Notifications and error codes:

Symptoms	Possible Cause	Solution
All icons flash & no air flow	The top cover isn't closed properly	Check top cover & close properly
All icons flash as icons in figure 1	Left louver isn't closed properly	Check left louver & close properly
All icons flash as icons in figure 2	Right louver isn't closed properly	Check right louver & close properly
All icons in Fig.1 & 2 flash alternately	Both louvers aren't closed properly	Check both louvers & close properly
E0	Fan failures	Contact Customer Services
E3/E4/E5/E6	Communication failures	
F0/F1/F2	Dust sensor failures	
F6/FA/Fb/FC/Fd/FE	Gas sensor failures	

Figure 1

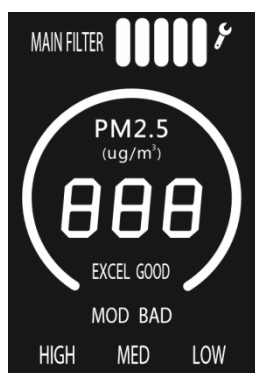
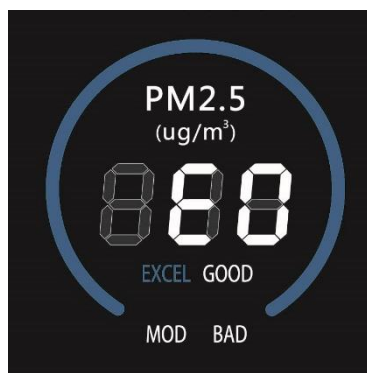


Figure 2



Figure 3 (Err. Code Example)



Services and Warranty

Terms & conditions for A.O Smith Air Purifier (Applies only to Hong Kong & Macau SAR)

1. With the purchase of air purifier, the comprehensive warranty period will begin where A.O. Smith Holdings (Barbados) SRL (hereinafter referred to as "A.O. Smith Hong Kong") will provide rectifications to any manufacturing defects free of charge according to the terms and conditions hereinafter.
2. One year comprehensive warranty only applies to air purifier which is used for household purpose. Charges and fees may occur if air purifier is used for commercial purpose.
3. Application for one year warranty must be completed and returned to A.O Smith Hong Kong via fax, e-mail, or post, within 14 days of purchase. The warranty will become effective after the receipt of the application, without any confirmation notice or written documents in return.
4. Except the casing and filters, the one year comprehensive warranty only limits to the electrical parts. A.O Smith Hong Kong reserves the rights to choose to repair or replace each faulty component subject to the evaluation of A.O Smith Hong Kong service and maintenance crews.
5. If a product or part is discontinued or out of stock at the time of repair, maintenance or replacement, A.O Smith Hong Kong has the option to repair or replace the covered product or parts with the same model or like kind, specifications and quality at A.O Smith Hong Kong sole discretion. A.O Smith Hong Kong will not make any form of compensation, refund or offer for the price difference of any product or spare-part.
6. A.O Smith Hong Kong reserve the rights to choose to provide on-site or workshop repairing service. And A.O Smith Hong Kong will not provide air purifier borrowing service.
7. After the one year comprehensive warranty, all spare-parts, inspection, rectification and transportation costs will be charged to the customer.
8. Under no circumstances shall coverage extend to any loss or damage to a person or property for any loss of profit, incidental, contingent, special or consequential damages or any direct or indirect loss.
9. This warranty does not include and will be voided if:
 - a) Damages resulting from act of God, human negligence, improper installation or abnormal usage;
 - b) The air purifier has been inspected or repaired or being tampered with/by any unauthorized personnel;
 - c) Non-standard parts and/or accessories are installed and/or used with the air purifier;
 - d) Failed to produce a valid sales invoice or warranty card;
 - e) Original invoice and / or installation are altered or modified;
 - f) The serial number on air purifier's body is removed or altered.

In case of any disputes, A.O. Smith Holdings (Barbados) SRL reserves the right to make the final decision.

Where this disclaimer is available in English, the Chinese version is the governing version and shall prevail whenever there is a discrepancy between the two versions.

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