

SK magic Air Purifier

ACL-V16

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Read the safety instructions before using this product.

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- · Please read and follow the instructions in Safety and Cautions for using your Air Purifier.
- Please place this user manual where you can easily reach for future reference.

* For the purpose of quality control, the exterior design can change without announcement.

Product Features

1. Air Purification

This Air Purifier is an air purifying appliance that filters particulate matters (PM) and harmful gases.

- 2. Fan Speed Setting (High/Medium/Low) You can select the fan speed applicable to the indoor air quality condition.
- 3. Automatic Operation

The appliance can select fan speed applicable to the air condition automatically and conducts power saving (Operates in Auto mode)

4. Quick Cleaning

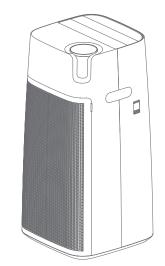
With the maximum fan speed, the appliance performs air purification in 30 minutes.

5. Hidden Display

Hidden display LED technology provides selective display with a various kinds of information.

6. IoT Function

You can remotely control the appliance with SK magic application in your smart phone and check the indoor air condition.



▲ Safety and Cautions

- The following instructions are intended to prevent unexpected danger or damage by using the product safely and correctly.
- Precautions related to safety are classified as following depending on the degree of risk and damage caused by misuse, and the urgency of the risk.
- This product is not intended for use by person (including children) who has a lack of physical, sensory, or mental capabilities and who does not have experience or knowledge and can't use the product safely without supervision or instruction.
 Children should be supervised to ensure that they do not play with the appliance.

Warning Violation of instructions could cause serious injury or death.

Caution Violation of instructions could cause minor injury or product damage.

- This symbol is to alert the user of hazard possibility.
- S This symbol is to prohibit the user not be done.
- This symbol is to instruct the user to be followed.

Safety and cautions



- Do not use when the plug is damaged or it is loosely fit with an electrical outlet.
 It may cause electric shock and/or fire hazard.
 If the plug is damaged, please call the purchase location or the customer service center for replacement.
- O Do not pull the plug when you move the appliance.

• It may cause malfunction or damage.



- Do not bend or place a heavy object on the plug that causes damage or deformation.
 - Damaged plug can cause electric shock



 The appliance must be plugged into a 220-240V, 50Hz/60Hz outlet only.
 It may cause malfunction or damage



- O not touch the power plug with wet hands.
 - Unplugging the power with wet hands
 may cause



 Do not plug-unplug repetitively.
 Damaged plug and/or power outlet may cause electric shock and/or fire hazard.



Safety and Cautions

<u> W</u>arning

the appliance.

and/or short circuit.

Ω

If you find water enters the power connection, unplug the appliance immediately and do not use until it is completely dry.



Please wipe pins and connection part of

the plug when particles or water enters

It may cause electric shock, fire hazard,

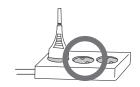
Do not use the appliance for a special purpose (i.e., preservation of art works or academic artifacts, business use)



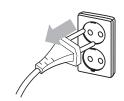




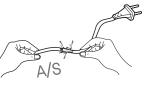
 Do not plug multiple electronic appliances on one power outlet.
 Overload can cause power outage and/or fire hazard.

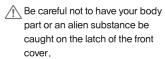


 Please unplug the appliance when not using it for long period.
 It may cause property loss from fire hazard.



 If power cord is damaged do not replace it yourself. Call the customer service center to replace your power cord.
 It may cause electric shock, bodily injury and/or fire hazard.



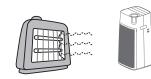


 It may cause bodily injury and/or malfunction of the appliance.



O not place the appliance near an electric heater.

• It may cause fire hazard.



Safety and Cautions

Safety and Cautions

📐 Warning

O Do not place the appliance on another electronic appliance (e.g., electric heater, television).

 It may cause fire hazard, electric shock, and/or malfunction of the appliance. surroundings. • It may cause electric shock, short circuit and/or fire hazard.

O Do not install the appliance in wet

- O not use the appliance near combustible gas or inflammable substance.
 - It may cause damage on the appliance, electric shock, and/or fire hazard.



Never immerse the appliance in water.
 It may cause electric shock.



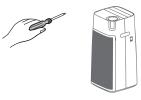
 If you hear strange sound, smell something burning, or see a smoke from the appliance, unplug immediately and call the customer service center.
 It may cause electric shock and/or fire hazard.



O Do not install the appliance on

uneven surfaces.

Do not stick the sensor with sharp object (e.g., ice pick).
 It may cause electric shock.





Safety and Cautions



- O Do not let inflammable substances (e.g., insecticide, air freshener) enter the air intakes.
 - It may cause fire hazard and/or degradation of



- O not place water bowl, chemicals, foods, small metal pieces, or inflammable substances on the appliance.
 - $\ensuremath{\cdot}$ If entering, it may cause electric shock and/or
 - fire hazard.

 Blockage on air intakes/outlets may cause malfunction of the appliance.

O Do not sprinkle water, use benzol or

· It may cause damage on the appliance,

O Do not let children to hang on or climb up

• It may cause bodily injury and/or malfunction

the appliance.

of the appliance.

electric shock, and/or fire hazard,

thinner to clean the appliance.



Do not push or lean on to the appliance. The appliance may fall.

O not decompose, repair, or

 Please call the customer service center for

Unplug when cleaning.

hazard.

repair

hazard.

modify the appliance by yourself.

electric shock, bodily injury, and/or fire

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• It may cause electric shock and/or fire

• It may cause malfunction oriented

 It may cause bodily injury and/or malfunction of the appliance.



O not let your finger or any alien substance on air intakes/outlets.

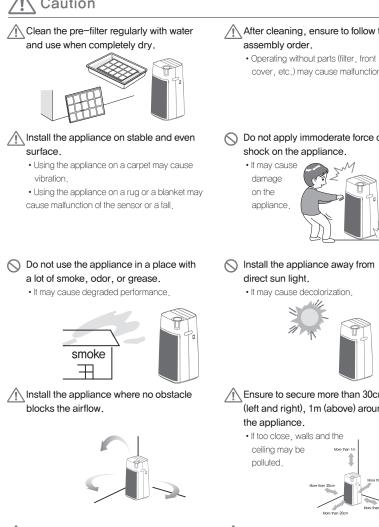
 It may cause bodily injury and/or malfunction of the appliance.



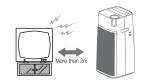
Safety and Cautions

Safety and Cautions

Caution



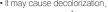
Install the appliance more than 2m away from other electronic appliances (e.g., TV). · If not, it may cause electronic jamming.

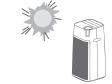


- After cleaning, ensure to follow the
 - cover, etc.) may cause malfunction.
- O Do not apply immoderate force or shock on the appliance.

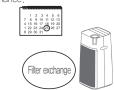


N Install the appliance away from



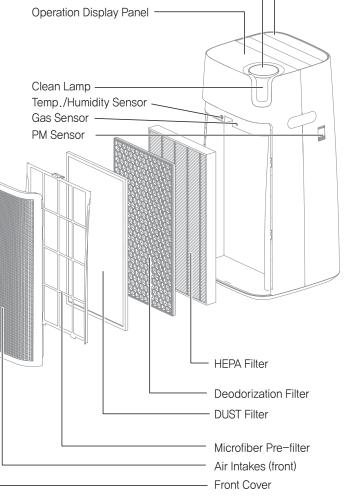


- Ensure to secure more than 30cm (left and right), 1m (above) around
- Replace the filters in a timely manner.
 - · If not, it may cause degraded performance.



Parts overview

Control Panel

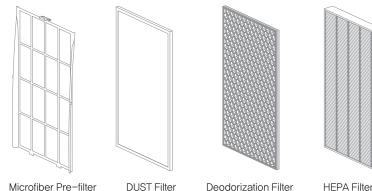


Parts overview

Air Purification Process

Air Purification

- Microfiber Pre-filter : Removes relatively large particulates, human and animal hairs.
- DUST Filter : Improves the purifying capacity and removes mid-sized particulates.
- Deodorization Filter : Remove harmful gases, bad odor from daily activities.
- HEPA Filter : Removes PMs (including ultrafine PMs smaller than PM2.5) in the air.

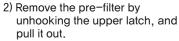


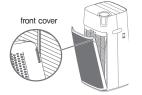
HEPA Filter

Before Using the Appliance

Installing Filters

1) Remove the front cover by grasping the upper edge, gently pulling forward.





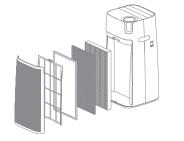
pre-filte

3) Remove the plastic packaging and assemble filters in the following order.



4) Assemble in this order: (1) HEPA filter, (2) Deodorization filter, (3) DUST filter, (4) Microfiber pre-filter.

* Install DUST filter and pre-filter together upon inserting. Push the pre-filter until you hear a click from the upper and lower latches.





5) Align the upper edge of the appliance and the front cover, then push the lower part until you hear a click.

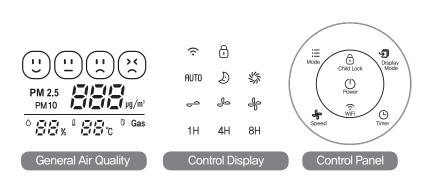


Filters Usage Instruction

- 1) This appliance provides 4-stages air purification process.
- 2) Operating without filters shall not have the purifying effect in the air.
- 3) During the first day of usage, you may find the smell of new filters. The smell disappears after few days.
- 4) Using the appliance in bad odor surroundings could cause shortened replacement cycle and the odor might permeate the deodorization filter. In such a case, ventilate the space to reduce the odor first and use the appliance after to remove the remaining odor.

Control and Display Panel: Functions

Upper Control and Display



• When the appliance first powers up, the preliminary run will stabilize the sensor operation for 1 minute.

 By plugging the power and pressing the power button, the appliance operates on air purification mode with low speed.

* When front cover is open. LED lights on the power button will

• It takes about 30 seconds for the fan to turn on as it powers up.

• Press the button to turn on/off the product.



[Fan Speed] Button

[Power] Button

flicker

- Press the button to select the fan speed you need.
- Every time you press the button, the display icon changes to low, medium, or high speed.

[Timer] Button

- The timer can be set to let the appliance operate for a specified period of time.
- Each time you press the button, it selects 1H, 4H, and 8H (if pressed repeatedly, the timer will be set off). When the set time has elapsed, the appliance will automatically switch off.



Control and Display Panel: Functions



[Display Mode] Button

- It indicates the current PM10, and PM2.5 concentration levels.
- * Press [Display Mode] button to select the information on display in following order: PM10, PM2.5, and LED off.
- Mode ** When LED display is off, press any button on the control panel to turn it on.
 - * When Child Lock is activated, the display shall only be turned on when you deactivate the Child Lock.

[Mode] Button

- Press to select the mode of operation.
- Each time you press the button, it selects desired mode among Auto, Sleep, and Fast modes.



Mode

[Auto Mode]

• The appliance selects the fan speed automatically according to the ambient air quality (PM and gas concentration).

[Sleep Mode]

- In Sleep node
 sleeping.
 - In Sleep mode, the appliance operates quietly for comfortable sleeping.
 - ** LED lights on operation display and control panel will turn off after 10 second LED.



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[Turbo Mode]

• After 30 minutes of operation with maximum fan speed, the fan speed will be adjusted to low (manual mode).



[Child Lock] Button

- Press the button to activate Child Lock mode.
- Press the button for 3 seconds to activate Child Lock mode. The buttons on Control and Display panel will be deactivated. Press the button for 3 seconds to deactivate Child Lock mode.
- When locked, you shall not be able to operate the buttons on the Control and Display panel.

[WiFi] Button

- Press the button to activate WiFi mode.
- * Please refer to IoT guides in SK magic Application for the details of this mode.
- ** LED light on the WiFi button even when the appliance is turned off as standby for remote control.
- * When the product is registered and securing the online connection, LED light on WiFi button will turn on.

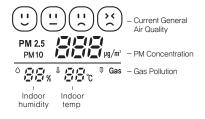
Control and Display Panel: Functions

Control and Display Panels on the Top

Check General Air Quality

•The General Air Quality indicates the current air condition according to 4 levels (good, normal, bad, and very bad)

Note • PM10: PM in the air smaller than 10μm • Ultrafine PM (PM2,5): PM in the air smaller than 2,5 μm



• drF(Front cover open) : Displays when front cover is open.

• The display panel will indicate the General Air Quality when the appliance operates.

 Press Display Mode button to change the displayed information in following order: PM2.5, PM10, and LED off.

Note

 General Air Quality displays the integrated information of PM10 and PM2.5. The information on General Air Quality shall differ from current concentration level of PM10 and PM2.5 indicated in colors.

 General Air Quality displays the worst condition between the current level of PM10 and PM2,5, General Air Quality shall indicate Bad when the current level of PM2,5 is Bad, even when the current level of PM10 is Good.

LED Color	Ice Blue	Green	Orange	Red
General Air Quality	Good	Normal	Bad	Very Bad
Ultrafine PM (PM2.5)	below 15	16-35	36-75	above 76
Fine PM (PM10)	below 30	31-80	81-150	above 151

- * The appliance displays the gas pollution level in the air in Ice Blue/Green/Orange/Red. When the gas pollution is orange or red for long-term, it is recommended to ventilate the room.
- The PM concentration levels indicated in the appliance shall differ from the PM level in other air purifier products. It could also differ from the PM level forecasted by the Ministry of Environment (MOE). The values of PM level measurement by MOE is based upon Gravimetric method and Beta attenuation monitor. On the other hand, this appliance measures and converts the number of PM in the air into PM mass concentration. The values may differ from PM concentration level announced by MOE.
- * The actual level of PM is displayed in numeral units ranging from 1–999.



• When using different appliances in the same space, indoor air circulation may cause different PM concentrations to be indicated in the appliances.

Different environmental factors (i.e., distance from a construction site, vacuum cleaner usage, and making a bed) may cause differences in the indicated PM concentration.
In a surrounding condition with yellow dust or introduction of outside air, the PM concentration may be continuously displayed as high.

Care and Maintenance



Ensure to unplug before cleaning.
Do not use organic solvents (e.g., solvent, thinner, etc.), bleaching agent, detergents containing chloride and/or an abradant.
Do not apply water or immerse the appliance in water when cleaning.

[Product Body] Cleaning (2-4 weeks)

Wipe the product with a soft, dry cloth. Use vacuum to remove dust at inlet and outlet.

In case of severe contamination, wipe with a slightly damp cloth.(use of abrasive is prohibited)



[Front Cover] Cleaning (2-4 weeks)

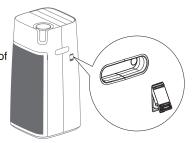
After removing front cover from the product, remove the dust with a soft, dry cloth or soft brush.

 In case of severe contamination, wipe with a slightly damp cloth. (use of abrasive is prohibited)



[Sensor] Cleaning (4 weeks)

- 1. Open the sensor cover. Clean dust inlet, dust outlet and dust sensor detection part with soft brush of vacuum.
- 2. Wipe dust inlet & outlet with slightly damp swab. Then wipe them with dry swab to remove moisture.
- If cleaning is not carried out periodically, it may cause deterioration of dust sensor performance.
- Cleaning more frequently in dusty environments because the cleaning cycle varies depending on the environment.



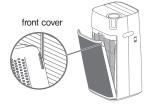
Care and Maintenance

[Microfiber Pre-filter] Cleaning (2-4 weeks)



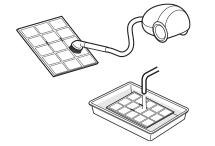
· Ensure to unplug before cleaning. • You can wash or remove particulates from the pre-filter.

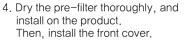
- · If not regularly cleaned, performance of the appliance will be degraded.
- · Do not wash DUST filter, Deodorization filter, and HEPA filter as they are not washable.
- 1. Remove the front cover from the bottom. (When assembling, assemble from the top)
- 2. Grasp and pull the top handle of the microfiber pre-filter to remove.



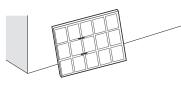


- 3. Depending on the degree of contamination, remove the dust by vacuum or water.
 - · Do not apply any force when cleaning. It causes deformation or breakage.





• When installing the pre-filter, be sure to fit it into the hook.



Filter Replacement

* PM on HEPA filter is not removable.

The reason for decoloring of your HEPA filter is an evidence of good filtering capacity. It is safe to use until the next filter replacement cycle.

Filter Replacement



• When assembling the filter, ensure to check the front side of the filter (where label is located)

• For the optimal performance, please use the original filter by SK magic only. • Unplug the power before replacing the filter.

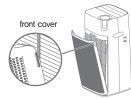
• Filter Cleaning and Replacement Cycle

Filter Types	Filter Types Cleaning		Remarks	
Micro Pre-filter	Once / 2–4 weeks	-	Washable	
DUST Filter	-	4 months	Not Washable	
Deodorization Filter –		12 months	Not Washable	
HEPA Filter	-	12 months	Not Washable	

Replacing DUST Filter, Deodorization Filter, HEPA Filter

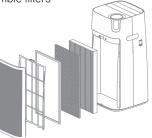
- the lower edge and gently pulling forward.
- 1. Remove the front cover by grasping 2. Remove the pre-filter by unhooking the upper latch, and pull it out,

(When reassembling, use the hook on the upper edge then push the lower part until you hear a click.)





3. Remove the plastic packaging and assemble filters in the following order: (1) HEPA filter. (2) Deodorization filter, (3) DUST filter, (4) Microfiber pre-filter. Ensure to check the front and rear of the filter.



Troubleshooting

Problem(s)	What You need to Check	Possible Solutions		
	 Is the power plugged in? 	Plug the power into 220–240V, 50Hz/60Hz		
The air does not come out.	Are all indicators turned off?	Press the power button to select desired function.		
	Did not power outage?	Use the product after power is turned on.		
	• Is it manual operation?	Set the desired air volume.		
The air volume does not change.	Is it automatic operation?	Air volume will not change without change of pollution degree. Check the change of the pollution degree.		
The air volume is smaller than before.	Has the filter been cleaned and replaced in time?	Check the filter cleaning and replacement cycle. Contact the service action.		
LED screen is off.	• Is the wind coming?	Press the operation button afterward. If the lock function is activated, please disable the lock function.		
	 When the smells of cigarettes or BBQ is strong, filter may need to be replaced because the smell of the filter is adsorbed. 	 Use with sufficient ventilation. The filter may need to be replaced due to the smell absorbed on the filter. 		
Smell from outlet.	 Is the degree of contamination of the humidifier filter getting worse? 	Replace the water in the tank, and clean the water tank.		
	Has the filter been cleaned and replaced in time?	 Check the user manual for the filter cleaning and replacement cycle, or contact the service center. 		
The clean lamp flashed right after power on. • Immediately after turning the power on after plug in the power?		 It blinks for 30 seconds to check the air condition of the room, After 30 seconds, it automatically displays the ambient air condition, 		
The clean lamp contamination level continues to be high.	Is the window or door in the room open?	 If there is a lot of air comes from outside, it may take long time to change to clean status. 		
(does not change to green)	Is the pollution (dust) detection sensor dirty?	Clean the pollution (dust) detection sensor.		

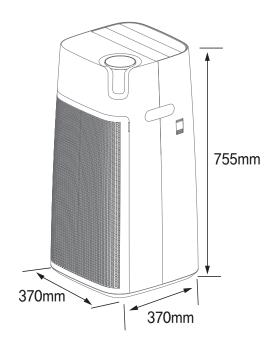
Troubleshooting

Problem(s)	What You need to Check	Possible Solutions	
The clean lamp contamination level continues to be low. (does not change to green)	Didn't install the product where contamination is not easily detected?	Move the main product.	
	• Is the air still in a clean condition?	 It is normal to change the clean lamp color when towel is shaved near the product. 	
The clean lamp display changes its color frequently.	Do you frequently open and close the door?	It may react to door opening/closing or sudden temperature change.	
Humidity is always high.	Kitchen or room near the bathroom may humid.	 If thy symptom do not change in other rooms, ask for A/S. 	
Humidity at the display is different with other hygrometer.	Each hygrometer has different precision or response speed.		
Gas pollution degree remains high.	 When using the product for the first time, or when the product is not used for a long time, the gas pollution degree may display as high temporally. (It takes about 24 hours for the gas sensor to stabilize, It is not a product defect) 		
Even though Wi- Fi is connected , It can't be find in the product on the smartphone.	Re-connect the device, Check the router power, Check internet connection,		

18

Unit Specifications

* The appearance and dimensions can be changed to improve the product performance.



Air Purifier	
ACL-V16	
220-240V, 50Hz/60Hz, Single Phase	
50.0W	
Class 2	
Mechanical PM Collection	
Household	
52.8m²	
370mm(W) X 370mm(D) X 755mm(H)	
12.0kg	

MEMO

Product Warranty



Regarding the Service

SK magic Co., Ltd. provides the warranty for the product as under according to the Consumer Dispute Resolution Standards by item (Fair Trade Commission Notice). A designated partner shall provide services when requested.

Seller's Name and Contact Information	(2))
Date of Purchase (Entry column by the seller)	Month Day	Year

Warranty period when using general product for business use is shortened to half. (Business facilities, camping facilities, public places, etc.)
 The warranty period is estimated from the product purchase date. If the product purchase date is impossible to check, the warranty period is estimated from the date after 3 months from the product manufacturing date or the custom clearance date of the product.

			Compensation Detail			
Consumer Damage Type				Lump Sum		
		Rental	Membership	Within Warranty Period	After Warranty Period	
	Customer's request for replacement or refund regarding a failure occurred within 14 days after purchase	Product Replacement or Rental Registration Fee (including the advanced rental fee) Refund	Not Applicable	Product Replacement or Full Refund	Not Applicable	
	Repair required for a Failure occurred within 1 year after purchase	Free Repair	Not Applicable	Free Repair	Not Applicable	
	Repair required for a Failure occurred within 1 month after replacement	Free Repair	Free Repair	Free Repair	Not Applicable	
Failure by any defect in	Impossible repair within Warranty Period due to an obsolete part	Product Replacement	Not Applicable	Replacement with a Product in the same class	Not Applicable	
performance or function	Two time Failures with the Same Defect	Free Repair	Paid Repair (Free Repair for Premium Membership)	Free Repair	Paid Repair	
naturally occurred	Three time Failures with the Same Defect	Product Replacement (3 Failures in 1 year)	Paid Repair (Free Repair for Premium Membership)	Product Replacement	Paid Repair	
Repair Impossib Reservation Peri The Company Le Consigned by a Damage occurre Shipment or Ins	Five Failures with Different Defects	Product Replacement (5 Failures in 1 year)	Paid Repair (Free Repair for Premium Membership)	Product Replacement	Paid Repair	
	Repair Impossible during the Part Reservation Period	Product Replacement	Refund by adding 5% of the purchase price to the amount from the application of straight- line depreciation to the purchase price	Product Replacement	Refund by adding 5% of the purchase price to the amount from the application of straight- line depreciation to the purchase price	
	The Company Lost the Product Consigned by a Consumer	Product Replacement	Refund by adding 10% of the purchase price to the amount from the application of straight- line depreciation to the purchase price	Product Replacement or Full Refund	Refund by adding 10% of the purchase price to the amount from the application of straight- line depreciation to the purchase price	
	Damage occurred during Shipment or Installation of a product when purchasing the product	Free Repair or Product Replacement	Replace the product when it is not resolved after repair free of charge	Free Repair or Product Replacement	Not Applicable	
Consumer's	Possible for Repair	Paid Repair	Paid Repair	Paid Repair	Paid Repair	
Intentional or Accidental Damage on Performance or Function	Repair Impossible during the Part Reservation Period	Replacement with an Alternative after Receiving Fee corresponding to Paid Repair	Product Replacement by applying straight-line depreciation after Receiving Fee corresponding to Paid Repair	Product Replacement after Receiving Fee corresponding to Paid Repair	Product Replacement by applying straight-line depreciation after Receiving Fee correspondin to Paid Repair	
Others	Failure by natural disaster (Lightning, Fire, Earthquake, Flood, etc.)	Free Repair	Paid Repair	Paid Repair		
Guleis	Part Replacement requested when No defect in performance or function	Paid Repair	Paid Repair	Paid Repair	Paid Repair	

Since a fee is charged for a service requested if there is no failure, please read User Manual before requesting a service.
This warranty is applicable only in the Republic of Korea. Since this warranty is not issued again, please preserve this warranty with User Manual.



MEMO



SK magic Customer Service Center 1800–18–7878 www.skmagic.com.my