

Air purifier

User manual

AX50K5050WD/ME

- Imagine the possibilities
- Thank you for purchasing this Samsung product.

SAMSUNG

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Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

Safety Precautions





These safety precautions are for owner's safety and preventions of property damage. Therefore, please read this manual thoroughly before using your product.

WARNING

Hazards or unsafe practices that may result in severe personal injury or death.

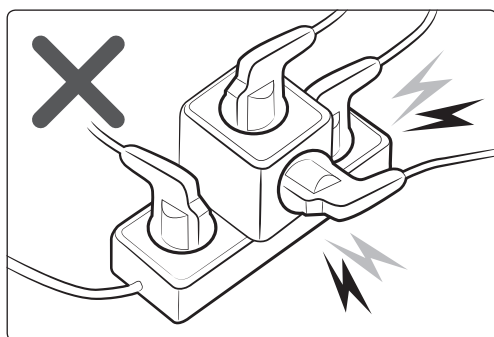
CAUTION

Hazards or unsafe practices that may result in minor personal injury or property damage.

-  Follow directions.
-  Do NOT attempt.
-  Unplug the power plug from the wall socket.
-  Do NOT disassemble.


FOR INSTALLATION

WARNING



Plug the power cord into a wall socket with the power specifications of the product or higher and use the socket for this appliance only. Also, do not extend the power cord on your own.

- Sharing a wall socket with other appliances using a multi outlet power strip or extending the power cord may result in electric shock or fire.
- Do not use an electric transformer. It may result in electric shock or fire.
- If the voltage/frequency/rated current condition is different, it may cause electric shock or fire.

-  **Do not install this appliance near a heater, inflammable material. Do not install this appliance in a humid, oily or dusty location, in a location exposed to direct sunlight and water (rain drops). Do not install this appliance in a location where gas may leak.**

- Failure to do so may result in electric shock or fire.

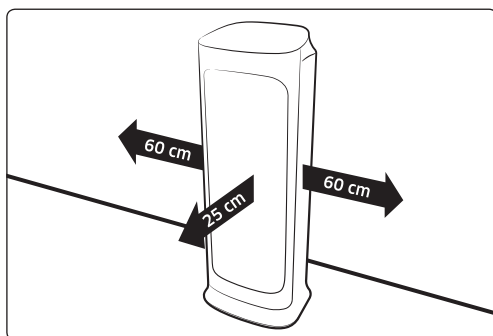
⚠ CAUTION

❗ **The appliance should be installed in a place where the power cord of the product can be easily pulled out.**

- Failure to do so may result in electric shock or fire due to electric leakage.

Install your appliance on a level and hard floor that can support its weight.

- Failure to do so may result in abnormal vibrations, noise, or problems with the product.



When installing the appliance, allow enough space around the appliance.

- Space between both sides of the product and the wall: At least 60 cm or more, Space in front of the product: 25 cm or more
- If enough space for air intake is not provided, purifying capacity may deteriorate.
- Make sure obstacles such as a curtain do not block air inlet or outlet of the appliance.

When installing the product, make sure that no heavy objects are on the power cord (or cable).

- Failure to do so may result in electric shock or fire.

For power supply

⚠ WARNING

❗ **Remove all foreign substances such as dust or water from the power plug terminals and contact points using a dry cloth on a regular basis.**

- Failure to do so may result in electric shock or fire.

When plugging in the appliance, the power plug should face downward.

- If the power plug faces in the opposite direction, the electric wires within the cable may be damaged and this may result in electric shock or fire.

When the product, power plug or power cord is damaged, contact your nearest service center.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

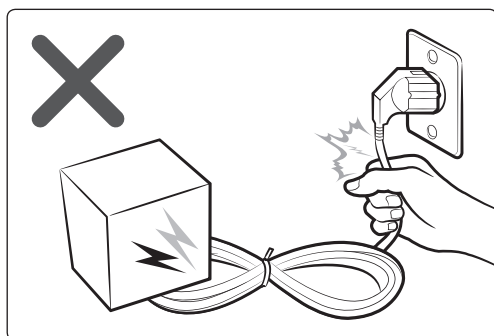
These instructions shall also be available in an alternative format, e.g. on a website.

- ⊘ **Plug the power plug into the wall socket firmly. Do not use a damaged power plug, damaged power cord or loose wall socket.**

- Failure to do so may result in electric shock or fire.

When unplugging the product, do not pull the power cord. Grip the power plug, and then pull the power plug.

- Failure to do so may result in electric shock or fire.



Do not pull or excessively bend the power cord. Do not twist or tie the power cord. Do not hook the power line over a metal object, place a heavy object on the power cord, insert the power line between objects, or push the power cord into the space behind the appliance.

- This may result in electric shock or fire.

⚠ CAUTION

- ⚡ **When the air purifier will not be used for a long period of time or during a thunder or lightning storm, disconnect the power supply.**

- Failure to do so may result in electric shock or fire.

It is dangerous when the power cable gets damaged, therefore contact a service center or qualified experts for the repair.

Before cleaning or repairing the appliance, unplug the appliance.

For operation

⚠ WARNING

- ⚡ **If the appliance is flooded, turn off the appliance and contact a service center.**

- Failure to do so may result in electric shock or fire.

If the appliance generates a strange noise, a burning smell or smoke, disconnect the power supply immediately and contact a service center.

- Failure to do so may result in electric shock or fire.

In the event of a gas leak (such as propane gas, LP gas, etc.), ventilate immediately without touching the appliance or power cord and contact a service center or a qualified technician.

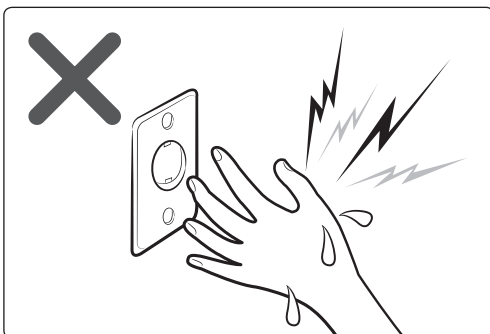
- Do not use a ventilating fan.
- If there is a spark, explosion or fire may occur.

Do not unplug the appliance during operation.

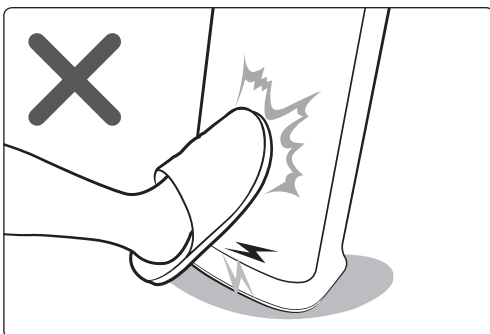
- When plugging the appliance in again, flame may occur and it may result in electric shock or fire.

When a repair is needed, contact the service center.

- Failure to do so may result in a product malfunction, water leakage, electric shock or fire.

**Do not touch the power plug with wet hands.**

- This may result in electric shock.

**Do not apply a force to or pull the product using excessive force.**

- This may result in fire, injury, or a problem with the product.

After unpacking the air purifier, keep all packaging materials out of the reach of children.

- If a child places a bag over its head, it may suffocate.

Do not insert your fingers or a foreign substances into the air outlet while product is operating.

- Take special care that children do not injure themselves by inserting their fingers into the product.



Do not place an object near the product that makes it possible for children to climb onto the machine.

- The child could fall and injure themselves or the product may fall over and injure the child.

If water has entered the power supply module, unplug the power cable and dry the product completely before use.


- Failure to do so may result in electric shock or fire.

Do not put other foreign materials such as metal into the product.

- This may result in electric shock or injury.

Do not place heavy objects on the product.

- Failure to do so may result in a product malfunction or noise.


 **If a foreign substance such as water has entered the product, disconnect the power supply and contact the service center.**

- Failure to do so may result in electric shock or fire.

 **Do not attempt to repair, disassemble, or modify the product yourself.**

- Do not use a fuse (such as copper, steel wire, etc.) other than a standard fuse.
- Failure to do so may result in electric shock, fire, a product malfunction or injury.


 **CAUTION**

 **Keep a distance of about 2 m from other electric appliances such as a TV, video or audio device etc.**

- Failure to do so may result in reduced video quality or noise.

Leave enough space between the product and a wall.

- Space between both sides of the product and the wall: At least 60 cm or more, Space in front of the product: 25 cm or more
- This products is designed to take the room air from the front side of the product for purifying process. Therefore, make sure there is no obstacles in front of the product and near air intake and outlet.

 **Do not stand on top of the product or place objects (such as laundry, lighted candles, lighted cigarettes, dishes, chemicals, metal objects, etc.) on the product.**

- This may result in electric shock, fire, a product malfunction or injury.

Do not tilt or turn the product upside down while the product is connected to the wall outlet.

- Failure to do so may result in a malfunction or fire.

Do not spray volatile material such as insecticide onto the product.

- As well as being harmful to humans, this may also result in electric shock, fire or a product malfunction.

Do not put the product into water.

- This may result in a product malfunction.

Do not operate the product with wet hands.

- This may result in electric shock.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

For cleaning



WARNING



Do not clean the product by spraying water directly onto it. Do not use benzene, thinner, acetone or alcohol to clean the product.

- This may result in discoloration, deformation, damage, electric shock or fire.

Disconnect the power supply and stop the fan operation before cleaning the product.

- Potential risk of electric shock or fire.



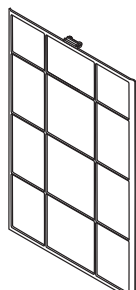
CAUTION



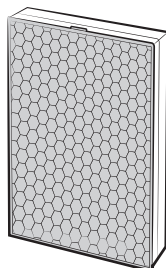
Unplug the power plug before cleaning the product.

Confirmations before use

Accessories



Pre filter 1EA



2-in-1 filter 1EA



Exclusive cleaning cloth
(superfine fiber) 1 EA



User manual 1 EA

Product specification

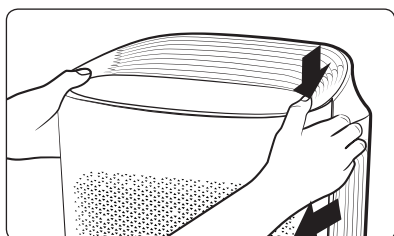
Dimension of the product is based on maximum value of the measurement.
Measurement may vary depending on the side.

For product improvement purposes, design and specifications of the product are subject to change without prior notice.

Model & Name	AX50K5050WD/ME
Product dimension (W*H*D)	360 mm*783 mm*293 mm
Effective area	50.0 m ²

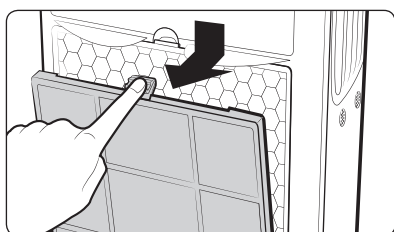
Using the filter

Disassembling the filter

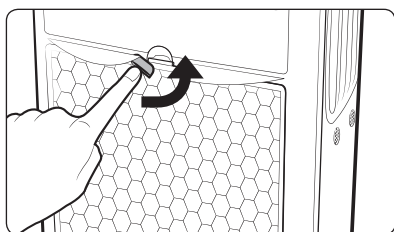


STEP 1 Open the cover front

- Press the top part of the product with your thumb and pull the cover front with other fingers.

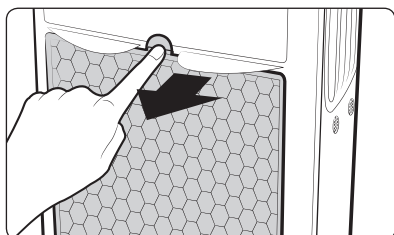


STEP 2 Disassemble the Pre filter

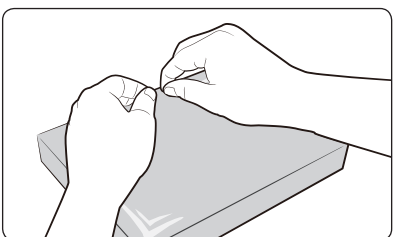


STEP 3 Unlock the fixed 2-in-1 filter

- Anticlockwise rotate the fix knob 90° to be horizontal to release the fixed filter.



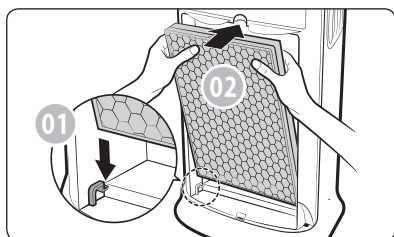
STEP 4 Disassemble the 2-in-1 filter



STEP 5 Replace the 2-in-1 filter

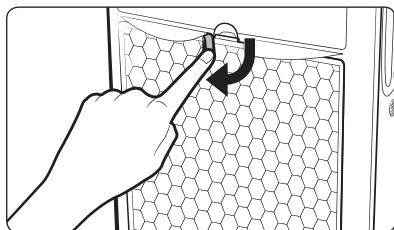
- Remove the vinyl packaging of the new 2-in-1 filter

Assembling the filter



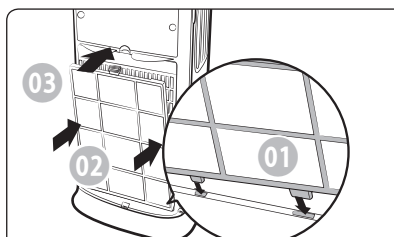
STEP 1 Put the 2-in-1 filter

- Insert the filter on the grooves at the bottom to fix the filter.

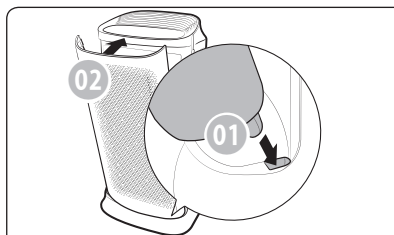


STEP 2 Fix the 2-in-1 filter

- Horizontally clockwise rotate fixing knob in 90°, to fix 2-in-1 filter.

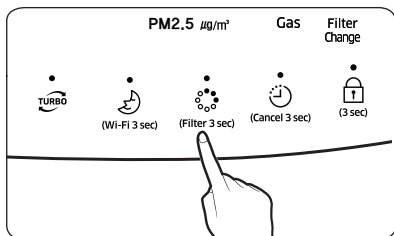


STEP 3 Put the Pre filter




STEP 4 Close the cover front

- Insert the hooks on the grooves at the bottom first.



STEP 5 Insert the filter and reset the filter

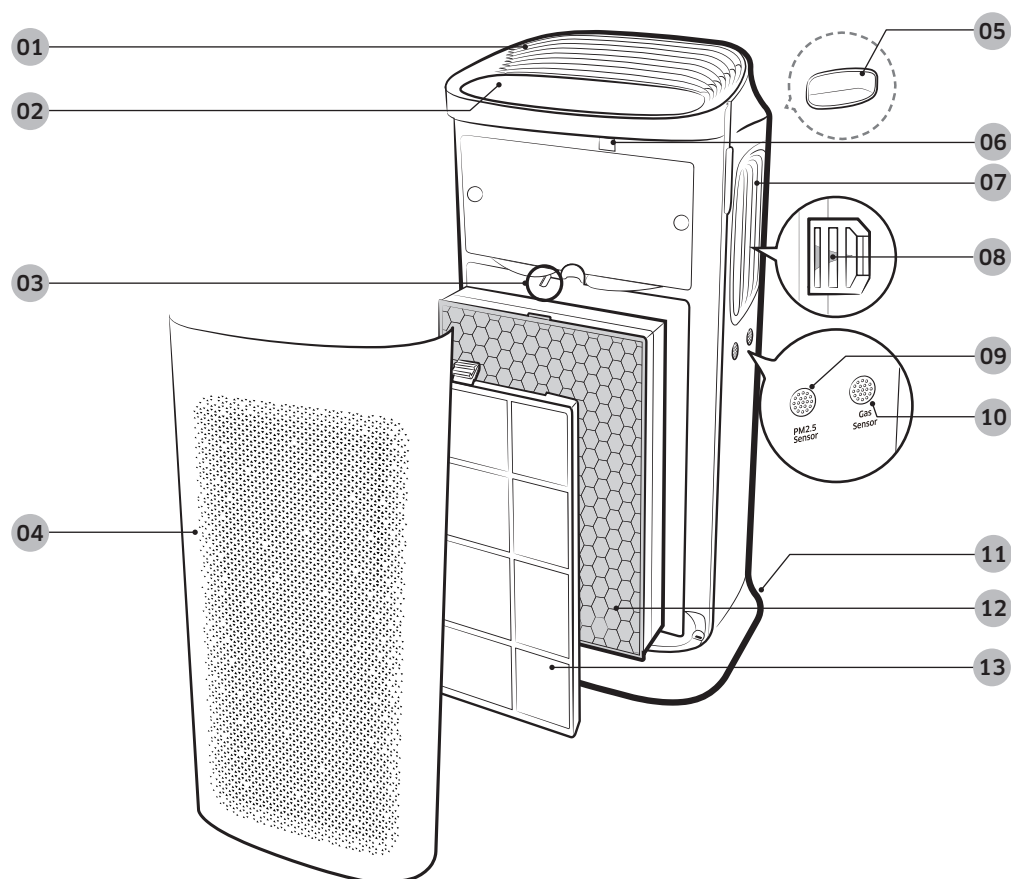
- Press the [] button for more than 3 seconds.

Using the filter

- ▶ If you operate the air purifier without the filters, air purification performance will decrease.
- ▶ New filter may smell strange when you operate the product for the first time after purchasing it.
 - However, it will disappear naturally in few days.
- ▶ Please close the windows and doors when operating the product. However, concentration level of carbon dioxide may increase if you operate the product for a long time with windows closed. Therefore, ventilate the room regularly between use. When filter is saturated with just a weak odor, ventilating the room will help get rid of saturated odor.
- ▶ Carbon monoxide (CO) is a major harmful gas that cannot be filtered by the air purifier and it usually gets indoor from outside.
- ▶ Cleaning and replacement interval of the filter may vary depending on the operating environment.
- ▶ When using or replacing 2-in-1 filter, be sure to remove the plastic covered on the filter.
- ▶ If you operate the product without 2-in-1 filter, sound of the air flow can be abnormally loud. Make sure to insert the 2-in-1 filter before using the product.
- ▶ Deodorization function of the air purifier is effective when air is penetrates through the filter. Therefore when there's excessive odor in your room, ventilate the room first and use the air purifier afterwards to eliminate remaining odors for more effective deodorization.
- ▶ If you operate the air purifier during cooking a food that generates strong odor, lifetime of the Deodorization filter will be shortened significantly. Also if the odor is too strong, Deodorization filter may get saturated with the odor and you may smell that odor when you use the product after ventilating the room. Use the air purifier for eliminating the remaining odor after ventilating the room.
- ▶ The filter replacement indicator will light up when the product has reached the maximum usages hours which was initially programmed. Therefore replacement cycle may vary depending on the operating environment.
- ▶ Do not wash the 2-in-1 filter with water. Always keep them away from moisture while the air purifier is in use.
- ▶ If you use the 2-in-1 filter for 24 hours per day, you can use it for six months to one year maximum. (If you use it less than that, the lifespan will be longer.) The lifespan is depended on the degree of air pollution. The more dust is accumulated, the shorter the lifespan of filter is.
- ▶ If the lifespan approaches to the end, the light is on. However, even before the light indicates the replacement timing, please replace it with new filter, if the filter is severely polluted, generates heavy odor or the wind is rapidly weakened.
- ▶ The antibacterial ultra-fine filter is a high performance filter to remove fine dust and smoke particles in the air.
- ▶ The antibacterial ultra-fine filter is treated with anti-allergy process. It is effective to remove allergic materials.
- ▶ The charcoal deodorizing filter is high performance filter to effectively remove odor from toilet or cooking.
- ▶ If the 2-in-1 filter is saturated with odor and the air purifier stinks, please replace the new 2-in-1 filter.
- ▶ User needs to undertake filter replacement cost produced during the period of free maintenance.
- ▶ You can purchase a new filter from a nearby Samsung Electronics service center.

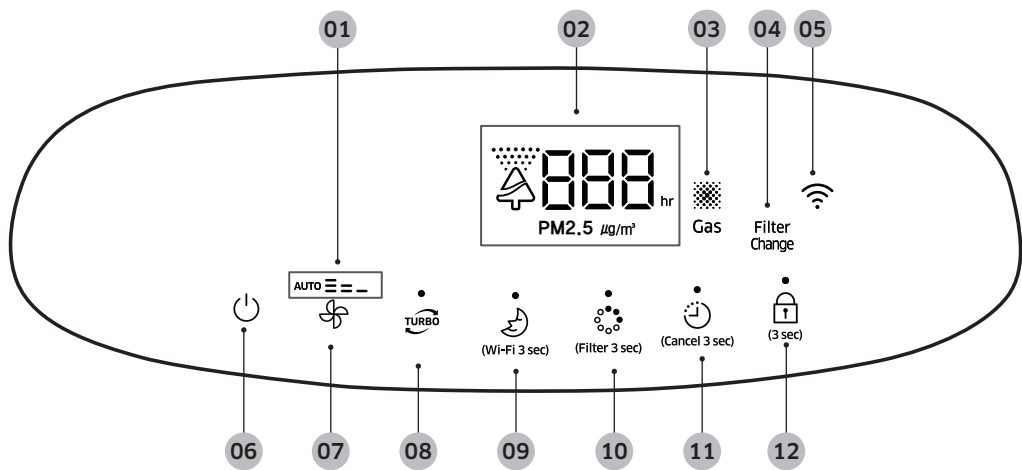
Checking the air purifier

Main body



- | | |
|-------------------------------------|-------------------------|
| 01 Air outlet | 08 Virus doctor |
| 02 Display and buttons | 09 PM2.5 sensor |
| 03 Filter fixing knob | 10 Gas sensor |
| 04 Air inlet/ front panel | 11 Caster |
| 05 Handle (at the rear side) | 12 2-in-1 filter |
| 06 Dongle | 13 Pre filter |
- Please purchase and assemble dongle if there is a need on Wi-Fi function.

Display and buttons

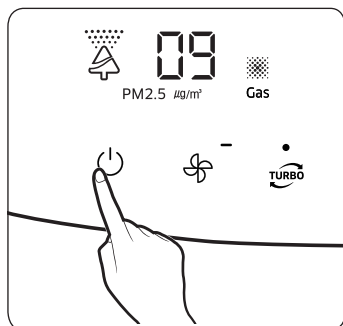


- 01** Fan speed indicator
- 02** Ultrafine particulate matter(PM2.5) level/Comprehensive Air-quality indicator
- 03** Gas pollutant (odor) cleanliness indicator
- 04** Filter replacement indicator
- 05** Wi-Fi function indicator
- 06** Start/Stop button
- 07** Fan speed button
- 08** Turbo button
- 09** Sleep mode/ Wi-Fi function button
- 10** Virus Doctor function/Filter reset button
- 11** Timer button
- 12** Child-Lock button

Note

- Ultrafine particulate matter (PM2.5): Microscopic solid or liquid matter in the atmosphere that is smaller than 2.5 μm
- It's about 1/20th the thickness of a human hair.

Using the air purifier



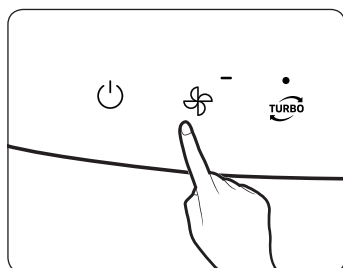
Turning the power on/off

- ▶ The air purifier turns on with a ringing sound and begins purification.
 - When you turn on the air purifier, Sensor loading indication will be displayed for 30 seconds and then Comprehensive Air-quality indicator and particulate matter(PM2.5) level will be displayed. (Comprehensive Air-quality indication: PM2.5, gaseous pollutant concentration indication: PM2.5)

※ Sensor loading indication








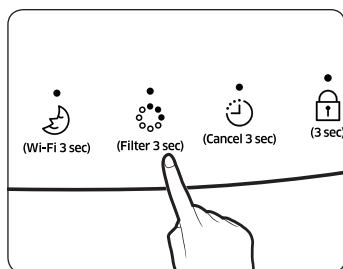
- ▶ If you turn on the power for the first time after connecting the power cord, product will begin purification at Low fan speed.
- ▶ If you turn off the power and turn it back on, the product will operate in the last fan speed you used.



Fan speed

You can select desired fan speed when purifying the air.

- ▶ Press the [] button to select the desired fan speed.
 - Fan speed will be selected in following order repeatedly: Low () → Auto (**AUTO**) → High () → Medium () → Low ()
- ▶ If you select Auto, the air purifier will adjust the fan speed automatically according to dust and odor in the surrounding area to maintain clean indoor air quality.



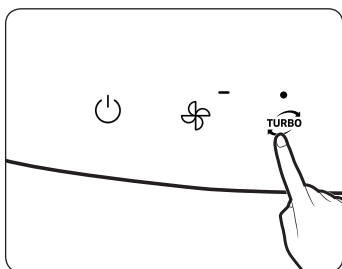
Virus doctor mode

Virus doctor emits ions to capture harmful particles floating in the air and destroy the hydrogen connections of the protein structure.

- ▶ You cannot select the Virus doctor mode when the product is operating with fan speed selected at Sleep.

Cancel

- ▶ Press the [] button.



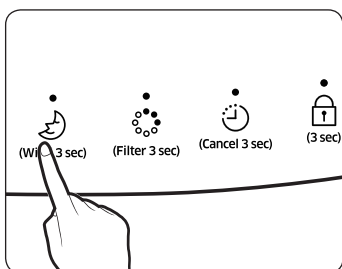
Turbo mode

Use this mode to purify the air in strong and fast manner.

- ▶ Air purifier will purify the air at maximum fan speed for 30 minutes.
- ▶ When Turbo mode is done, the air purifier will operate in a previously selected fan speed.
- ▶ If you select Turbo mode when the product is operating with fan speed selected at Sleep, Turbo mode will begin and Sleep indicator will be off.

Cancel

- ▶ Press the [] or [] button.





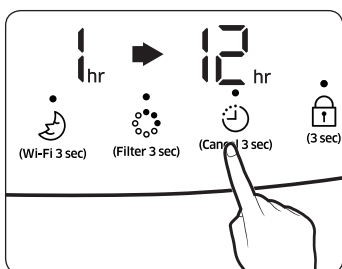
Sleep mode

You can sleep comfortably in a quite and comfortable indoor environment with the sleep mode.

- ▶ When the sleep mode runs, the sleep mode indicator light is on at the display.
- ▶ If the sleep mode runs for 10 seconds or a longer time and other fan mode is selected, you will see the Sensor loading indication on the display. (Please refer to 'Turning the power on/off' - 'Sensor loading indication')
- ▶ If the turbo mode is selected under the sleep mode, the product will run for 30 minutes with rapid wind and then continuously run in the sleep mode.
 - If select the turbo mode under the sleep mode, the sleep indicator is off, and the turbo mode indicator is on.


Cancel

- ▶ Press the [ (Wi-Fi 3 sec)] button or [] button.





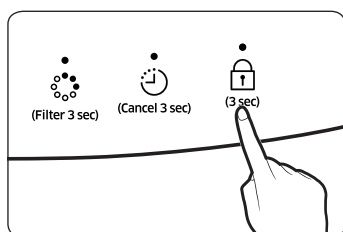
Timer function

You can set the Timer to turn off the purifier at desired time.

- ▶ Press the [ (Cancel 3 sec)] button you can select the time of the Timer from 1 hour to maximum 12 hours in 1 hour unit.


Cancel

- ▶ Press the [ (Cancel 3 sec)] button for 3 seconds or set the time of the Timer to .




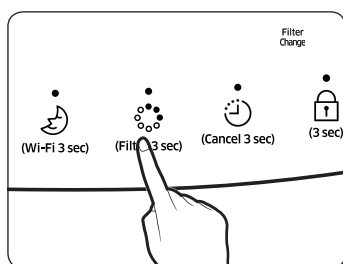
Lock function

You can lock the buttons to prevent the button from being pressed unwillingly, or by children.

- ▶ Press the [] button for over 3 seconds, you can hear `Ding` and the buttons will be locked.
- ▶ When buttons are locked, all the buttons will not work.
- ▶ You cannot set the Lock function when the product is operating with fan speed selected at Sleep.





Cancel

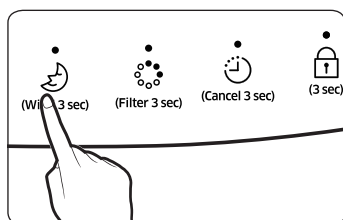
- ▶ Press the [] button for over 3 seconds. You will hear `Ding` and the button will be unlocked.



Filter reset function

This function let users know when to change the filter.




- ▶ When the Filter replacement indicator [] turns on with an alert sound, replace the 2-in-1 filter and press the [] button for over 3 seconds to reset the filter change alert.
- ▶ When filter reset is done, you will hear `Dilingling` and filter replacement indicator [] will disappear after blinking twice.
- ▶ If you have changed the filter (even though the filter replacement indicator has not turned on), press the [] button for over 3 seconds to reset the filter change alert.



Wi-Fi function

This function let users close or open Wi-Fi, and dongle has to be purchased separately if users want to use this function.

Close or open Wi-Fi.

- ▶ Press the [] button for over 3 seconds to close or open Wi-Fi.
- ▶ For the first use, please log in Samsung SMART HOME APP, and connect to network, and then the Wi-Fi () sign will be automatically on.
- If fail to connect to Samsung SMART HOME APP, Wi-Fi () sign will not be on.

Use of dongle

- Dongle is the accessory for using Wi-Fi.
- Please purchase and assemble dongle if there is a need on Wi-Fi function.
- Please contact to the air purifier store or the service center for purchase of dongle.

CAUTION

- Please use original Samsung dongle (SMART HOME DONGLE) , otherwise, Wi-Fi function will fail, and the operation of the air purifier may get problem.

Checking the air cleanness

The display screen will display different colors and PM2.5 concentration according to the PM2.5 and gas pollutant cleanliness.

- Air quality indicator light and related pollutant concentration

Comprehensive Air-quality		Ultrafine particulate matter (PM2.5) level ($\mu\text{g}/\text{m}^3$)	Gas pollution level
Very poor	Red	101 and over	4
Poor	Yellow	51~100	3
Good	Green	16~50	2
Excellent	Blue	15 and below	1

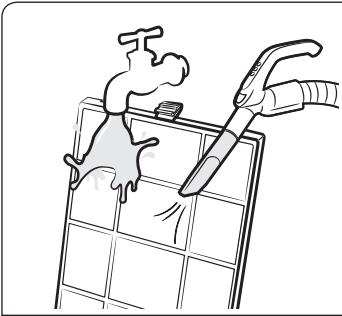
※ PM2.5 concentration is 09 to 999 and 1 is the unit.

Remark

- The PM2.5 emission might be different due to different service environments (close to construction unit or road, use dust collector, finish quilt/ clothes, fabric sofa surrounding, etc.).
- The PM2.5 concentration may be higher in the following conditions:
 - Blanket with hair, animal hospital, clothing shop, humid place, smoke place, and place with insects.
 - Place using humidifier, electric pressure cooker (electric cooker), spray, atomizer, etc.
 - Environment with sand dust and outside air flowing in (air conditioner, room ventilation system, ventilating window and the like).
- Aromatic, deodorization spray, cleaning agent and other odor volatilizing products may lead to change of the comprehensive air quality.
- Different products used in the same space may lead to different PM2.5 concentration display numbers according to the air circulation. The concentration display number might be different from other testers or other products.
- If the gaseous pollutants (odor) always remain high concentration, the comprehensive air quality might be displayed with fixed color.
- PM2.5 concentration display value might be different from the forecasted value of environment division.

Cleaning and maintenance

Clean and dry pre filter

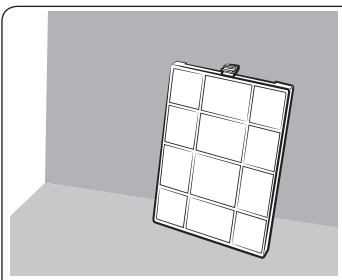


Clean pre filter

- ▶ Remove big dust through dust collector in case of serious dust pollution, and then softly wash through warm water with neutral washing agent.
 - Pre Filter (clean intervals: two weeks, 24 hours each day)

CAUTION

- Brush or similar tools may damage the pre filter.



Dry pre filter

- Dry completely in shade.

Cleaning the exterior of the air purifier

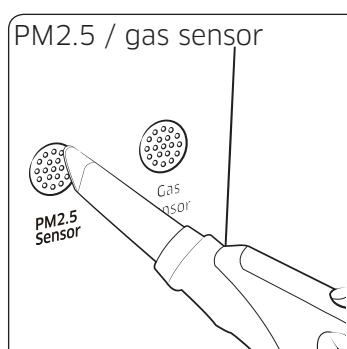
⚠ CAUTION

- **Please make sure the air purifier is stopped, and pull out the plug from the power socket in the wall while cleaning.**
- ▶ Dip a towel in warm water and wring it out before using it to clean the product.
- ▶ Use a cotton swab or exclusive cleaning (superfine fiber) cloth to clean the groove.
- ▶ If it's too hard to clean the dust on the cover front, remove the cover and wash it with water.

⚠ CAUTION

- Do not clean the air purifier with an alkali detergent.
- Do not clean the surface of the air purifier with sulfuric acid, hydrochloric acid or organic solvent (thinner, kerosene, acetone, etc.), or attach a sticker to the unit. This may damage the surface of the air purifier.

Cleaning the sensors



- ▶ If there's dust or foreign substances on the sensor, use a vacuum cleaner to clean the sensor and its surrounding.
- ▶ If there's any foreign substances on the sensor, it may not perform properly.


⚠ CAUTION

- Do not put any dust in the sensor parts.

Troubleshooting

Refer to the following chart if the air purifier operates abnormally. This may save time and unnecessary expenses.

Problem	Solution
Product is not working	<ul style="list-style-type: none"> Check if the power is on and try to turn on the air purifier again. Check if the power plug is connected properly and turn on the air purifier again. If the product still don't work, try connecting the power plug to other power outlets.
Abnormal noise	<ul style="list-style-type: none"> You may hear abnormal noise if moving the running product, please power off before moving. You may hear sensor running sound while operating the air purifier, it is a normal phenomenon, you can use it reassurance.
There is a strange odor	<ul style="list-style-type: none"> Check the Pre filter and clean it if it's dirty. If the 2-in-1 filter is saturated with strange odor, please replace a new 2-in-1 filter. User needs to undertake filter replacement cost produced during the period of free maintenance.
The Comprehensive Air-quality indicator always is fixed on red. (Something is wrong with the Comprehensive Air-quality indicator)	<ul style="list-style-type: none"> Check the sensors for any foreign substances and clean them if necessary. In winter season if you operate the product immediately after product was delivered, dew may form on the sensor due to temperature difference (between outdoor and indoor). In this case, your product may temporarily display $999 \mu\text{g}/\text{m}^3$ on the ultrafine particulate matter (PM2.5) level indicator and also Comprehensive Air-quality indicator may turned red. In this case, indicator will become normal after 1~2 hours of operation. If you cook or if outside air gets indoor and affects changes in odor, gas sensor may detect odor and the Comprehensive Airquality indicator may become red. Ventilate the room for 1 ~ 2 hours. Disconnect the power plug and connect it back on after a minute and operate the product. (Reset the sensors) If you have followed all the solution indicated in this section and the Comprehensive Air-quality indicator is still red, there might be a problem with sensor or wires. Please contact the service center.

Problem	Solution
Fan speed is not changing according to the Comprehensive Air-quality.	<ul style="list-style-type: none"> Set the fan speed to Auto. When the fan speed is set to High, Medium, Low, or Sleep, the fan speed will not change automatically.
Ultrafine particulate matter(PM2.5) is not changing from "Excellent" (09).	<ul style="list-style-type: none"> In an enclosed space, level may not be changed from "Excellent". If there are changes in the level when you open the windows to ventilate, or burn the aroma candles or incense, it's normal.
Filter replacement indicator not turning off	<ul style="list-style-type: none"> After replacing the 2-in-1 filter, press the [] for over 3 seconds to reset the filter replacement alert.
Strange indication is displayed	<ul style="list-style-type: none"> If you see E 103, 105, 154, 155, 163, contact the service center.
The wind only comes out from the right side.	<ul style="list-style-type: none"> For more effective purifying air, structure was designed to keep wind rotate rising. You may feel the wind from top air outlet be stronger in right than left for fan clockwise rotating.

QUESTIONS OR COMMENTS?

COUNTRY	CALL	OR VISIT US ONLINE AT
MALAYSIA	1800-88-9999 603-77137477 (Overseas contact)	www.samsung.com/my/support

