

# Air Purifier

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## User manual

AX90T7080WD

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- Thank you for purchasing this Samsung air purifier.
- Before operating this unit, please read this user manual carefully and retain it for future reference.

**SAMSUNG**

# Contents

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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 Information

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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.
-  Make sure the machine is grounded to prevent electric shock.
-  Unplug the power plug from the wall socket.
-  Do NOT disassemble.

## FOR INSTALLATION

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### **WARNING**

-  **Only connect to a socket that can provide the rated power supply. Do not use the socket with other products. Do not extend the power cord.**
  - Using a multi-socket with other products or extending the power cord may cause electric shock or fire.
  - Using a voltage converter may cause electric shock or fire.
  - Failing to meet the exact voltage, frequency and/or rated current may cause electric shock or fire.
-  **Do not install the air purifier near a heat source and inflammable objects, or in areas that are highly humid or dusty. Avoid exposure to oil, gas, direct sunlight and water.**
  - Follow instructions to avoid electric shock or fire.

# Safety Information

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## CAUTION

 When installing the product, make sure that the power plug can be easily removed when needed.

- Follow instructions to avoid electric shock or fire due to electrical leakage.

**Install the product on a solid flat ground.**

- Follow instructions to avoid excessive vibration, noise and operational issues thereof.

**Keep a safe distance from surrounding objects.**

- Clear space from each side: at least 60 cm and the front: at least 25 cm
- The space is necessary to ensure efficient air intake and proper purification.
- Make sure that the inlet and outlet are not covered.


**Make sure that the power cord is not pressed under the product.**

- Follow instructions to avoid electric shock or fire.

## FOR POWER SUPPLY

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## WARNING

 Use a dry cloth to wipe the power plug and the contact area to keep them free from dust, water and other undesirable substances.


- Follow instructions to avoid electric shock or fire.

**Check the position of the power plug when you connect it to a socket.**

- Having the cord hanging from above the plug may damage the wires inside, which can lead to electric shock or fire.

Please contact your local Samsung Service Centre if the power plug or cord is damaged.

**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.**


 Make sure that the power plug is securely fitted in the socket. Do not use it when the plug or cord is damaged.

- Follow instructions to avoid electric shock or fire.

**When you disconnect the power cord, pull it by the plug. Do not pull the cord itself.**


- Follow instructions to avoid electric shock or fire.

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 Do not fold, pull out, twist or tie the power cord. Do not hang it over a metal object or place a heavy object on it. Do not put the cord between objects or behind the air purifier.

- Follow instructions to avoid electric shock or fire.

 **CAUTION**

 Remove the power plug of your air purifier when it is not used for a period of time and during a thunderstorm.

- Follow instructions to avoid electric shock or fire.


Product installation must be handled by official Samsung service personnel or a certified local technician to avoid power cord or plug damage, which can be dangerous.

Disconnect the air purifier from the power source before cleaning or repairing.

## FOR USING

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 **WARNING**

 If the product is exposed to water, immediately disconnect it from the power source and contact your local Samsung Service Centre.

- Follow instructions to avoid electric shock or fire.

If you notice a noise, burning smell or smoke from the product, immediately stop using it and contact your local Samsung Service Centre.

- Follow instructions to avoid electric shock or fire.

In the event of a gas leak in proximity of the air purifier, do not touch it or attempt to unplug it. Immediately ventilate the room and contact your provider or a certified technician for advice.

- Do not turn the ventilation fan on.
- A spark can cause an explosion or fire.

# Safety Information

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- ❗ **Do not pull out the power plug while operating the air purifier.**
  - This may cause a spark when reconnecting the plug, which can lead to an explosion or fire.

Please contact your local Samsung Service Centre when you require repair service.

- Follow instructions to avoid electric shock or fire.
- ⊘ **Do not handle the power plug with wet hands.**

• Follow instructions to avoid electric shock or fire.

**Do not use force on the air purifier or pull the unit away.**

• Follow instructions to avoid fire, malfunction or injury.

Store the plastic package away from children or discard it according to the law.

• Follow instructions to protect children from a risk of suffocation.

**Do not insert your finger or other objects into the air inlet or outlet.**

• Take special care to protect children from injury.

**Do not place an object near the air purifier as children may use them to climb onto the product.**

• Follow instructions to avoid injury from a tip-over or fall.

**If the power plug area has contacted water, completely dry it before using the air purifier again.**


• Follow instructions to avoid electric shock or fire.

**Do not insert a metal object and similar items inside the air purifier.**

• Follow instructions to avoid electric shock or injury.

**Do not place a heavy object on the air purifier.**

• Follow instructions to avoid malfunction or noise.


 **If any of the electric components inside the air purifier has contacted liquid or water, disconnect the product from the power source and contact your local Samsung Service Centre.**

- Follow instructions to avoid electric shock or fire.

 **Do NOT attempt to repair or modify the product.**

- Use only the standard rated fuse.
- Follow instructions to avoid electric shock, fire, malfunction or injury.


 **CAUTION**

 **Keep your air purifier at least 2 meters away from a TV or other audio/visual media.**

- They can be affected by video or audio noise.

**Operate the air purifier with no obstacles in the vicinity.**

- At least 60 cm from both sides of the product, at least 25 cm from the product inlet, and at least 100 cm from the product outlet
- The product is designed to intake, purify, and discharge polluted air. If there is any obstacle in the vicinity, the purification capacity may decrease.

 **Do not step on the product or place other objects on it (laundry, candles, burning cigarettes, plates, medicine, metal items, air fresheners, etc.).**

- Follow instructions to avoid electric shock, fire, malfunction or injury.

**Do not tilt or flip the air purifier while the power plug is connected to the socket.**

- Follow instructions to avoid malfunction or fire.

**Do not use bug repellent or other spray products on the air purifier.**

- They can be harmful and may cause electric shock, fire or malfunction.

**Do not submerge the air purifier.**

- Follow instructions to avoid malfunction.

# Safety Information

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 Do not handle the product with wet hands.


- Follow instructions to avoid 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

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### WARNING

 Do not apply water, benzene, thinner, alcohol, acetone or similar substances directly on the product.

- Follow instructions to avoid product discolouration or deformation, electric shock or fire.

Disconnect the product from the power source when cleaning. Wait for the fan to completely stop before cleaning.

- Follow instructions to avoid electric shock or fire.

### CAUTION

 Be sure to disconnect the power plug from the socket before cleaning the product.

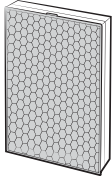


# Package Content

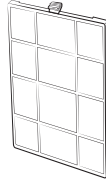
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## Accessories

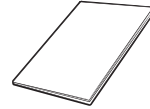
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2-in-1 filter 2 EA  
(Deodorization Filter+ Dust  
Collecting Filter)



Pre-filter 2 EA



User manual 1 EA

## Product specifications

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The product dimensions are based on the maximum dimensions. They may vary depending on the measurement position.

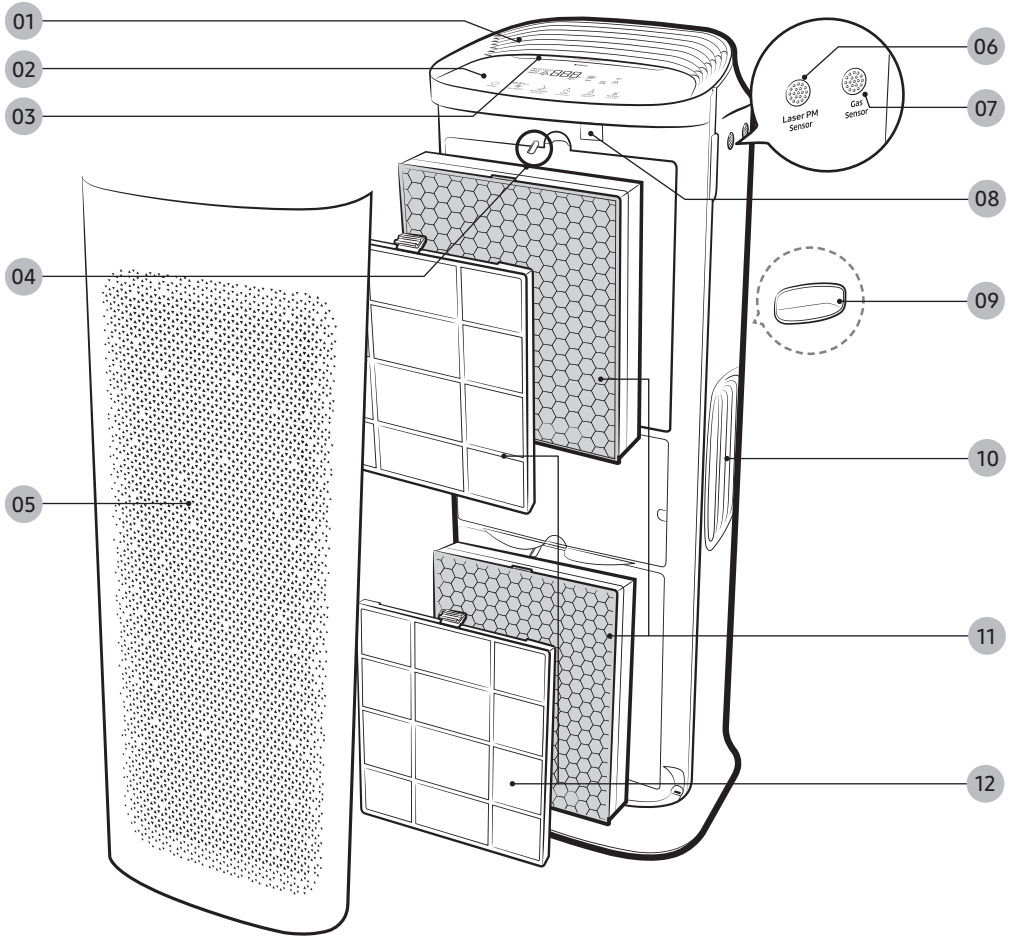
The product design and specifications are subject to change without prior notice for quality improvement.

Model name	Dimensions (width × height × depth)	Area coverage
AX90T7080WD	360 mm x 1054 mm x 284 mm	90 m <sup>2</sup> <sup>1)</sup>

<sup>1)</sup> The area coverage value is in accordance with the Korea Air Cleaning Association (KACA) standard.

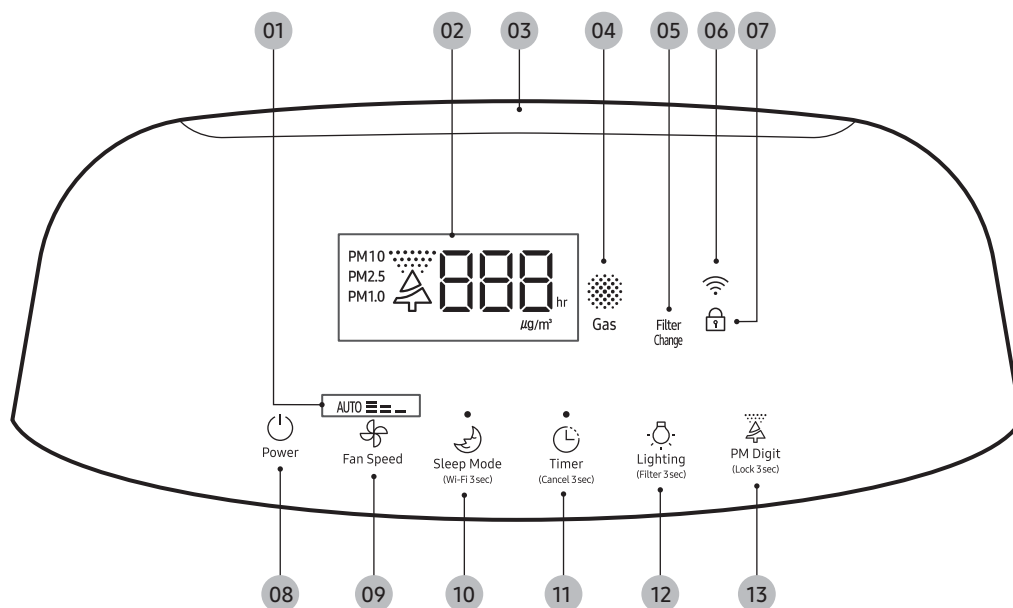
# At a Glance

## General



- 01 Air outlet (top)
- 02 Display and buttons
- 03 Display lighting
- 04 Filter holder
- 05 Air inlet / Front panel
- 06 Laser PM sensor
- 07 Gas sensor
- 08 Dangle mount
  - This model is provided with integrated Wi-Fi connectivity and does not require an external dangle to use this function.
- 09 Handle (rear side)
- 10 Air outlet (side)
- 11 2-in-1 filter (Deodorization Filter + Dust Collecting Filter)
- 12 Pre-filter

## Display and buttons



- 01 Current fan speed
- 02 PM10 / PM2.5 / PM1.0 pollution / Concentration / Timer indicator
- 03 Air quality indicator
- 04 Gas pollution indicator
- 05 Filter replacement reminder
- 06 Wi-Fi function indicator
- 07 Lock indicator
- 08 Power button
- 09 Fan speed button
- 10 Sleep mode / Wi-Fi On or Off button
- 11 Timer on/off button

- 12 Lighting / Filter reset button
- 13 Air quality / Lock button

### NOTE

- PM10: Dust in the air with a diameter of 10  $\mu\text{m}$  or less
  - Fine particles with about 1/5 of the diameter of a human hair
- PM2.5: Dust in the air with a diameter of 2.5  $\mu\text{m}$  or less
  - Fine particles with about 1/20 of the diameter of a human hair
- PM1.0: Dust in the air with a diameter of 1.0  $\mu\text{m}$  or less
  - Fine particles with about 1/50 of the diameter of a human hair

\* Diameter of a human hair: 50 to 70  $\mu\text{m}$

Bixby is the name of a Samsung AI solution and allows you to control the product with voice. To use the voice recognition function, you must connect the SmartThings app on your smartphone to the product. If the product does not support voice recognition directly, you can only control some functions using Bixby on your Samsung smartphone.

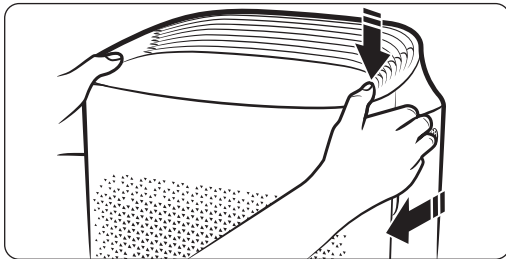
### NOTE

- Bixby only supports some languages, and the supported functions may differ depending on the geographical area.

# At a Glance

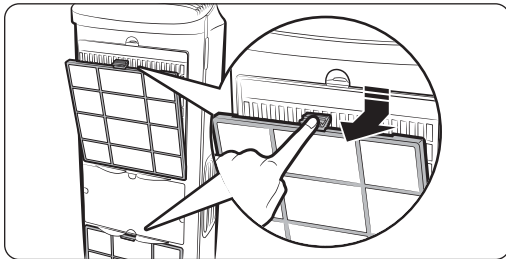
## Removing the filters

When using the 2-in-1 filters for the first time or replacing them with a new set, remove the vinyl packaging first.

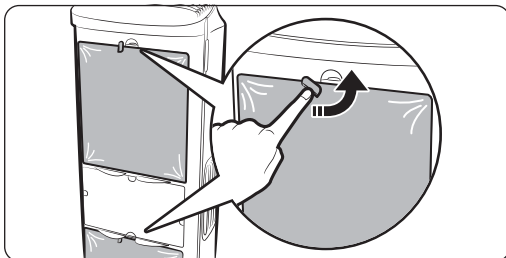


**STEP 1** Remove the front panel.

- Use your thumbs to press on the top of the product and pull the front panel forward with other fingers.

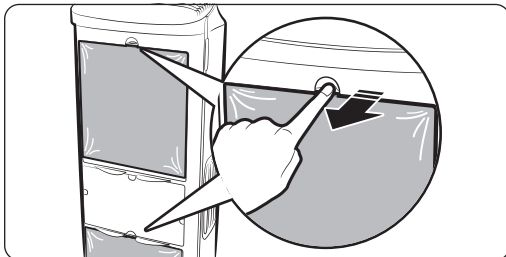


**STEP 2** Remove the pre-filters.

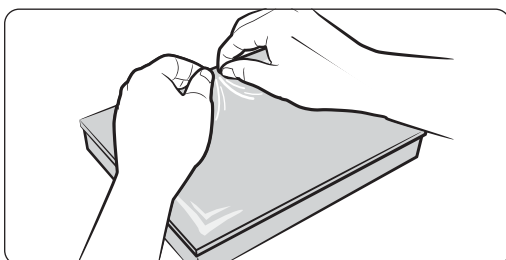


**STEP 3** Release the 2-in-1 filters.

- Rotate the filter holder 90° anticlockwise to release the filter.



**STEP 4** Remove the 2-in-1 filters.

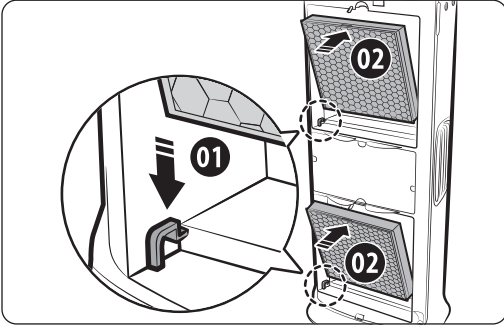


**STEP 5** Remove the vinyl packaging from the filters.

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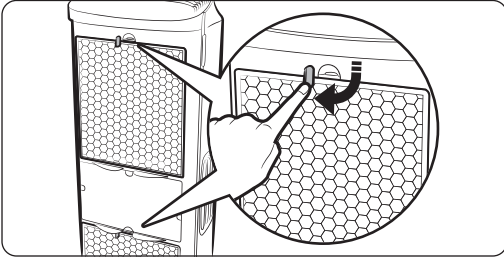
## Assembling the filters

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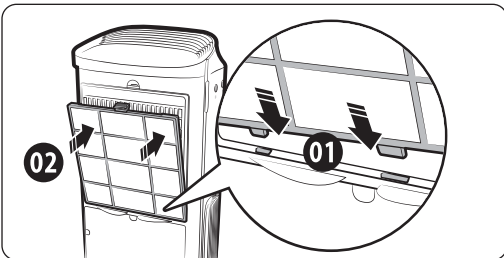
### STEP 1 Place the 2-in-1 filters

- Let the filters sit inside the grooves at the bottom.
- Check the insert direction before placing the filters.



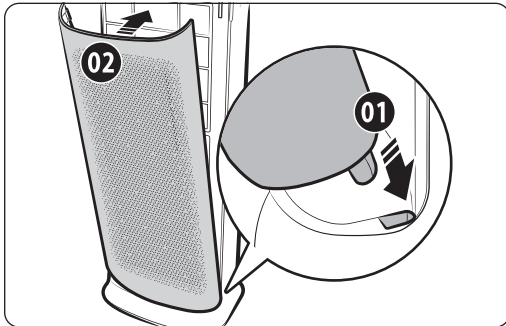
### STEP 2 Secure the 2-in-1 filters.

- Rotate the filter holder 90° clockwise to hold the filter in place.



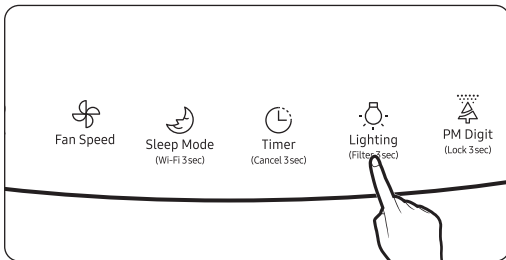
### STEP 3 Place the pre-filters.

# At a Glance




**STEP 4** Place the front panel.

- First, insert the hook on the panel into the groove at the bottom of the product.



**STEP 5** Before using new filters, reset the filter replacement reminders.

- Press and hold the Lighting  button for 3 seconds or longer.

## NOTE

- The product is not as effective when it is operated without filters.
- You may notice a subtle odour from fresh filters when using your newly purchased air purifier for the first time,
  - which will disappear naturally in about a day.
- Keep the windows and doors closed whenever you can while the product is running. Ventilate the air regularly to avoid high concentration of carbon dioxide when you keep the room enclosed for a duration of time. When the filters have a weak smell, regular ventilation also reduces the smell.
- Carbon monoxide (CO) is a harmful gas that cannot be removed by the filters and usually comes from an outdoor origin.
- The frequency of filter cleaning and replacement may vary depending on the operating environment.

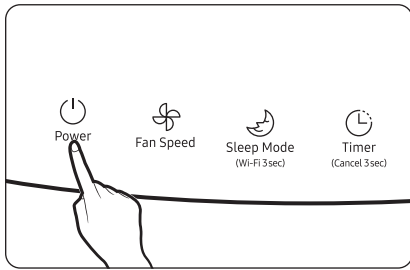
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## Tips for using the 2-in-1 filters

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- Operating the product without filters may cause abnormal air noise.  
Be sure to use the product with the 2-in-1 filters.
- In a room with persisting odours, using the product after ventilating the room first allows more effective odour control.
  - Operating the product while cooking food that has a strong odour may cause the deodorization filter to smell, and early replacement may be necessary.
- If you operate the product after it has been unused for 2 weeks or more, or if there is a smell, run a cleaning operation by running the product in a well-ventilated space at the High fan speed for 4 hours or more, or dry the filters in the sunlight for 4 hours or more. This can help remove odours from the filters.
- The filter replacement reminder generates an alert when the maximum filter operation time has been reached based on the product uptime.  
The frequency of filter cleaning and replacement may vary depending on the operating environment.
- Do not wash the 2-in-1 filters with water. When using the product, be sure to keep the filters away from water.
- The replacement cycle of the 2-in-1 filters can be between 6 months to 1 year, provided that the product operates 24 hours every day.  
(Filters can be used longer when the duration of product operation is shorter.) Filter life depends on the air quality.  
The life span of filters may shorten depending on the usage environment, the frequency of use, and the amount of contaminants adsorbed.
- The indicator illuminates to notify when the filters need to be replaced. However, replace them regardless of the indicator status if they are visually dirty or smell, or if the output air flow is noticeably slowing down.
- The dust collecting filter is a high performance filter that removes fine particles in the air such as particulate matter (PM) and cigarette smoke particles.
- The deodorization filter is a high-performance active carbon (charcoal) filter, effectively controlling household odours from a toilet, food, and such.
- If the filters begin to smell when you operate the product, they are no longer in usable condition and need to be replaced.
  - The 2-in-1 filter is a consumable material, and even if the warranty period is free, replacement of filter that occurs during use will be charged.
- Replacement filters are available for sale from a Samsung retailer or a Samsung Service Centre.

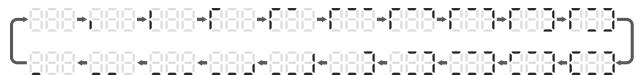
# Operation Features



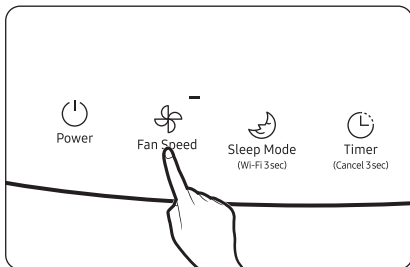
## Turning the power on/off

- Press the Power button. The air purifier turns on with a notification sound and automatically begins operation.
  - Sensor preparation begins upon startup with a display indication and continues for 12 seconds. The air quality is then indicated by colour and the concentration level.
  - Coloured air quality indicator: PM10, PM2.5 and PM1.0 levels, and gas pollution display: PM10, PM2.5, PM1.0

### Sensor loading display




- When you turn off the power and turn it back on, the product operates at the last fan speed you used.

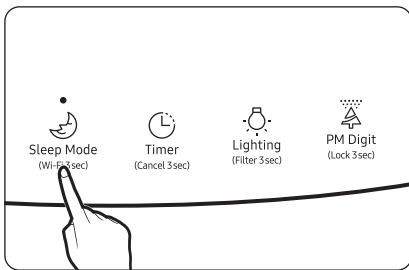


## Controlling the fan speed

Use the button to select the intensity of air flow to purify the indoor air.

- Press the Fan speed [] button to change between the options.
  - Each time you press the button, the fan speed changes in the order of Low → Auto → High → Medium → Low.
- In Auto mode, the fan speed is automatically adjusted to the particle and odour levels around it to keep the room clean.
  - When the product detects the indoor air to be clean while operating in Auto mode, it switches to “Auto + Energy saving” mode, in which only the top air outlet is active.
  - This mode will be automatically released when the air is no longer clean.





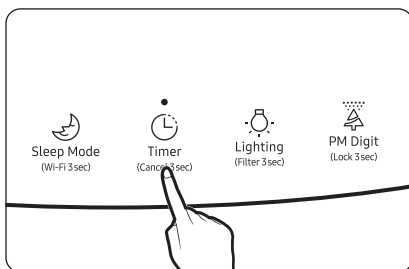
## Sleep mode

Sleep mode provides a clean, quiet and comfortable room for a good night's sleep.

- Use Sleep mode to only allow the mode indicator and turn off all other display indicators.
- Changing the fan speed when Sleep mode has been active for 10 seconds or more will cancel the mode and the sensor loading display will appear. (See 'Sensor loading display' on page 16.)
- Lock feature becomes unavailable while Sleep mode is on.


### Cancel

- Press the Sleep mode [  ] button or Fan speed [  ] button.






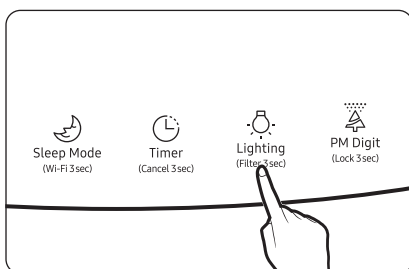
## Timed on/off function

The product automatically turns off after a specified duration.

- You can select between 1 hour to 12 hours by pressing the Timed on/off [  ] button when the product is powered on. Time can be adjusted by hour.
- Timed off is scheduled 3 seconds after selecting the desired operating hours.

### Cancel

- Press and hold the Timed on/off [  ] button for at least 3 seconds or press the Timed on/off [  ] button to set the timer to .



## Display lighting

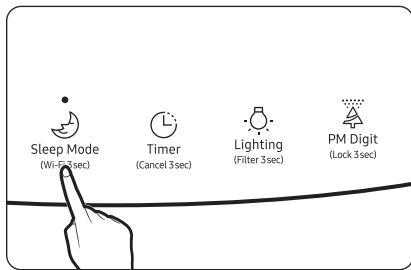
The air quality is displayed in pleasantly dimmed colour lighting.

- It reflects the PM10, PM2.5, PM1.0 or gas pollution level, whichever is the worst.
- Colours do not apply when using the product in Sleep mode.

### Cancel

- Press the Lighting [  ] button.

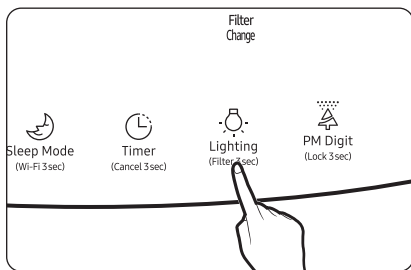
# Operation Features



## Turning the Wi-Fi feature on/off

You can turn the Wi-Fi feature on or off.

- Press and hold the Sleep mode [Sleep Mode (Wi-Fi 3sec)] button for 3 seconds or more to turn the Wi-Fi on or off.
- To use this feature, first register the product to Samsung SmartThings app. Once connected, the Wi-Fi icon will automatically light up.
  - The Wi-Fi icon only lights up when the product is connected to SmartThings app.
  - About connecting to SmartThings app, see page 23.



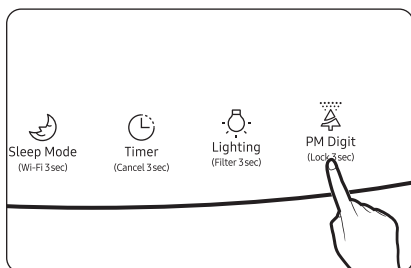
## Clearing the filter replacement reminder

This feature notifies when to replace the 2-in-1 filters (Deodorization Filter+Dust Collecting Filter).

- If you hear a beep and the filter replacement indicator [Filter Change] lights up while the product is in use, replace the filters and press the Lighting [Lighting (Filter 3sec)] button for 3 seconds or more to reset. The replacement reminder turns off after [Filter Change] blink twice with the notification sound.
- Likewise, if the filters have been replaced before [Filter Change] activation for other reasons, reset the status by pressing the Lighting [Lighting (Filter 3sec)] button for longer than 3 seconds.
- After resetting the filters, press the Lighting [Lighting (Filter 3sec)] button to reset this feature as well.

## ⚠ CAUTION

- The filter change indicator may not work properly if you continue to use old filters without replacement or perform the reset process without filters.



## Lock function

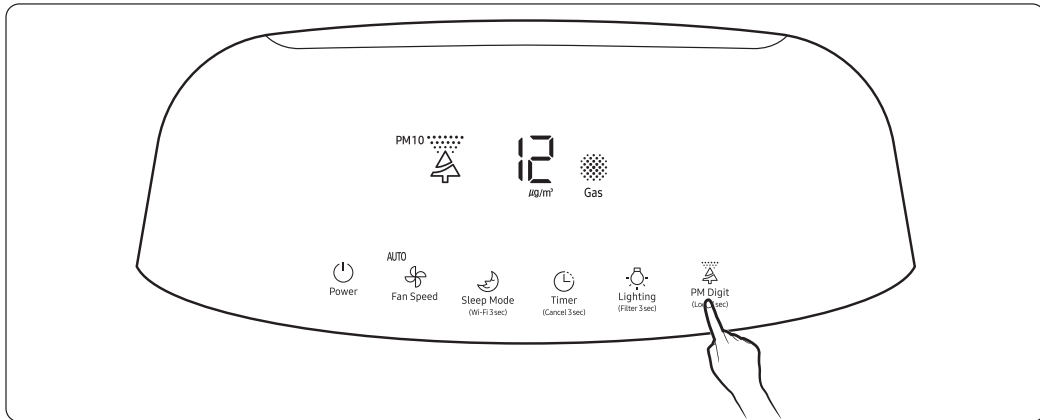
Use this feature to lock all buttons and prevent unintended button operation, especially by children.

- Press and hold the Air quality [PM Digit (Lock 3sec)] button for 3 seconds or more to activate this feature, which locks all buttons after a beep.
- All buttons become inaccessible while Lock feature is on.

### Cancel

- Press and hold the Air quality [PM Digit (Lock 3sec)] button for 3 seconds or more. The feature is released after a beep.

## Checking the air quality



You can review the current air quality from the display panel with the colour (reflecting the PM10 / PM2.5 / PM1.0 / gas pollution) and the concentration level indicators.

- By default, the colour and PM10 / PM2.5 / PM1.0 level indicators reflect the PM10 concentration.
- Each time you press the Air quality [PM Digit (Lock Sync)] button, the current state is displayed in the order of PM10 → PM2.5 → PM1.0. The PM2.5 and PM1.0 levels are displayed for 10 seconds, before automatically changes to the PM10 level.
  - The air quality will be 'Very Poor' when the PM2.5 / PM1.0 levels are worse than the PM10 level. If the concentration levels are same for all PM groups, the indicator will reflect the PM10 level.
- Air quality levels

Pollution level		PM10 level ( $\mu\text{g}/\text{m}^3$ )	PM2.5 / PM1.0 level ( $\mu\text{g}/\text{m}^3$ )	Gas pollution level
Very poor	Red	151 and over	76 and over	4
Poor	Yellow	81 - 150	36 - 75	3
Moderate	Green	31 - 80	16 - 35	2
Good	Blue	30 and below	15 and below	1

- PM10, PM2.5 and PM1.0 measurement will be displayed in numbers 05 – 999.

# Operation Features

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## NOTE

- The dust concentration may vary depending on the environmental conditions (for example, when the product is near a construction site, road, or fabric sofa, or when a vacuum cleaner is used or bedding and clothes are arranged near the product, etc.).
- The following conditions may cause temporarily high readings of PM level:
  - When the product is used near fur rugs or used in vets, clothes stores, or other places prone to high humidity, smoke or infestation
  - When humidifiers, electric pressure cookers, sprayers and such are being used in the same room
  - When the product is used where there is inflow of outside air with dust or other types of air pollution (e.g. proximity to the building's HVAC or ventilation systems, or loose window frames)
- The gas pollution reading can be affected by odorous household items such as air fresheners, deodorants and detergents.
- If you are using more than one air purifier in the same room, the dust concentration reading on each unit may not be same as they affect air circulation. The dust concentration reading may vary depending on the sensor or product being used.
- If there is no change in the intensity of gas (odour), it may not be reflected in the gas pollution reading even though you can clearly smell it.
- PM levels on the display may differ from the official forecasts.
- Nearby electromagnetic waves or electrical noises may cause temporarily high readings of PM level.

# Cleaning and Maintenance

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Be sure to disconnect the power plug from the socket before cleaning the product.

## Cleaning the air purifier exterior

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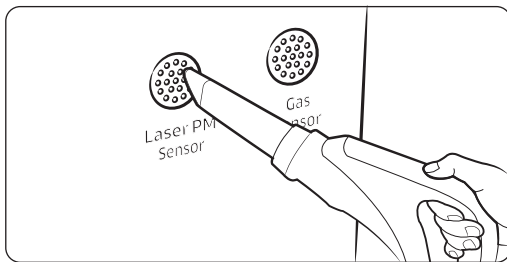
- Dampen a soft cloth with lukewarm water and wring it out, and then wipe the product exterior with it.
- Wipe the grooves on the front panel with a cotton swab.
- If it is too hard to clean the dust from the front panel, remove the panel and wash it with water.

### CAUTION

- Do not wipe the product with an alkaline detergent.
- Do not wipe the product surface with sulphuric acid, hydrochloric acid, or organic solvents (thinner, kerosene, acetone, etc.). Do not attach a sticker to the product. Failure to do so may result in damage to the product surface.

## Cleaning the sensors

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- If there is dust or foreign substance on a sensor, use a vacuum cleaner to clean the sensor and its surrounding.

### CAUTION

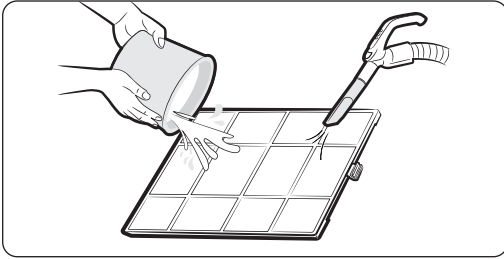
- Do not put any dust into the sensor openings.

# Cleaning and Maintenance

## Cleaning and drying the filters

### NOTE

- About removing/assembling the filters, see pages 12 and 13.

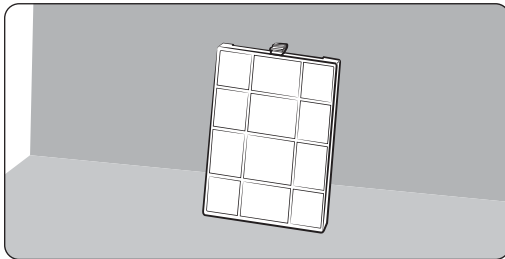


### Cleaning the pre-filters

- Depending on the dust accumulation, first remove dust with a vacuum cleaner and gently wash the filter with a pH-neutral detergent diluted in lukewarm water.
  - Cleaning interval: 2 weeks (when using the product 24 hours every day)

### CAUTION

- Cleaning the pre-filter by rubbing with a brush or a similar tool may damage the superfine fibres.



### Drying the filters

- Keep the filters in the shade until completely dry and away from direct sunlight.

# SmartThings app

To use the SmartThings app, connect the product to the network in the sequence described below. The images shown may differ depending on your smartphone model, OS version and manufacturer. You need to set up the Wi-Fi access point only when connecting the product to a Wi-Fi network. Once the product is connected, you can use the SmartThings app via Wi-Fi, 3G, LTE, 5G or more wireless networks. Wi-Fi enabled control requires a wireless router. Internet connection required, data charges may apply. Each SmartThings compatible device (such as a smartphone, appliance, device and/or SmartThings Wi-Fi Hub (as applicable)) requires a network connection. Feature performance may vary based on distance and network quality. All devices should be registered with a single Samsung Account. Some SmartThings features are available with a compatible Samsung smartphone and compatible Samsung home appliance only. Others also require a SmartThings Wi-Fi Hub and other compatible devices (such as smart lights). Compatible devices and available features depend on country, region and carrier. You can easily install the SmartThings app or use the product with your smartphone by scanning the QR code on the attached label.

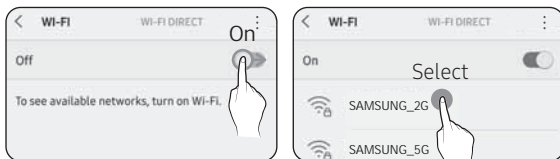
## 1 Checking the power connections

Check if the power is connected to the product and the access point.

## 2 Setting up and connecting to a Wi-Fi access point using your smartphone

### 1 To connect the product to a Wi-Fi network, turn on Wi-Fi at “Settings > Wi-Fi”, and then select the access point to connect to

- Only alphanumeric characters are supported for wireless access point names (SSIDs). If an SSID has a special character, rename it before connecting to it.
- This product supports only Wi-Fi 2.4 GHz.



### 2 Turning off “Switch to mobile data” at “Settings > Wi-Fi” on your Smartphone

- If “Switch to mobile data” or “Adaptive Wi-Fi” is turned on, you cannot connect to the network. Be sure to turn off these functions before connecting to the network.



### NOTE

- The setup may differ depending on your smartphone model, OS version and manufacturer.

### 3 Checking the Internet connectivity

- After connecting to Wi-Fi, check that your smartphone is connected to the Internet.

### NOTE

- A firewall may prevent your smartphone from connecting to the Internet. Contact your Internet service provider for troubleshooting.

## 3 Downloading the SmartThings app and registering your Samsung account

### 1 Downloading the SmartThings app

- Search for “SmartThings” on Play Store or App Store, and download the SmartThings app to your smartphone.
- If the SmartThings app is already installed on your smartphone, update it to the latest version.



# SmartThings app

## NOTE

- The SmartThings app supports Android OS 7.0 or later (with at least 2 GB RAM) and iOS 12.0 or later. The app is optimized for iPhone 6s or later and Samsung smartphones (Galaxy S and Note series). The updates of the SmartThings app or the functions supported by it may be discontinued for the previously supported OS versions due to the reasons such as usability and security.
- The SmartThings app may change without prior notice to improve product usability and performance.

## 2 Registering your Samsung account

- A Samsung account is required to use the SmartThings app. To create your Samsung account and log in to your account, follow the instructions displayed on the SmartThings app. You do not need to install an additional app.

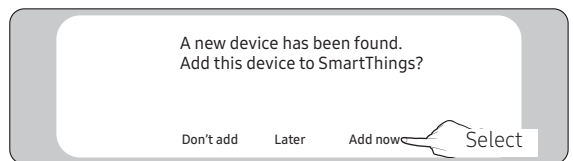
## NOTE

- If you already have a Samsung account, log in to the account. If you have a smartphone that is a Samsung device and you have a Samsung account, your smartphone is automatically logged in to your account.
- If you log in from a smartphone produced for another country, you need to log in with its country code when you create your Samsung account, and the SmartThings app may not be used on some smartphones.

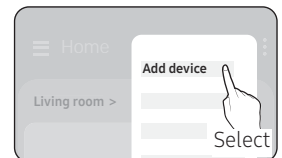
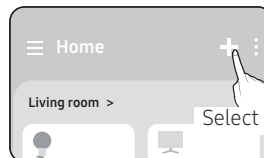
## 4 Connecting the SmartThings app to your product

### 1 Selecting the product to connect to

- 1) Start the SmartThings app about one minute after turning on the product to connect to.
- 2) After the SmartThings app is started, select 'ADD NOW' when a pop-up window saying that a product to connect to is found appears.

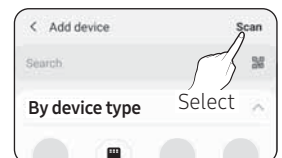
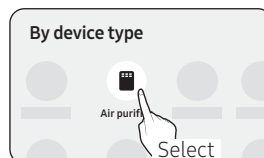


- 3) If the pop-up window does not appear, select "+", and then "Add Device."



You can add a product you want to connect to by selecting it manually or by selecting "Scan".

- Select manually: Air purifier > Samsung
- Scan: [Air purifier] Samsung





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## 2 Connecting the SmartThings app to your product

- Follow the instructions displayed on the SmartThings app to connect to your product.
- For information on how to use the SmartThings app, select the How To menu on the app.

### NOTE

- If any pop-window appears on the top of the smartphone while connecting to your product, do not select it.
- If a pop-up window saying that the device is already registered appears during connecting to your product, get permission using "REQUEST PERMISSION" from a user already connected to the product, or create a new account using "REGISTER MY ACCOUNT" to independently connect to the product.
- If a Samsung account-related country error occurs during connecting to your product, log out of your current Samsung account, log in to your previous Samsung account, and then delete all devices that have been connected previously. Then, log in to your current Samsung account again, and then configure the settings.
- If a failure message appears while adding a device, see "Setting up and connecting to a Wi-Fi access point using your smartphone" on page 23. The connection may fail temporarily due to an installation location problem of the access point or other problems.
- If a message appears on the SmartThings app, follow its instructions.

### NOTE

- For the security protocols for wireless/wired access points, WPA-PSK and WPA2-PSK are recommended. For the authentication methods, AES is recommended. New Wi-Fi authentication specifications and Wi-Fi non-standard authentication methods are not supported.

- The product supports the IEEE802.11 b/g/n (2.4 GHz) communication protocol. (Samsung recommends IEEE802.11n.)
- If your Internet service provider permanently have registered the MAC address (a unique identification number) of your PC or modem, you may not be able to connect your product to the Internet. Contact your Internet service provider and ask how to connect devices other than your PC (such as an air conditioner and an air purifier) to the Internet.

## Open Source Announcement

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The software included in this product contains open source software. You may obtain the complete corresponding source code for a period of three years after the last shipment of this product by contacting our support team via <http://opensource.samsung.com> (Please use the "Inquiry" menu.)

It is also possible to obtain the complete corresponding source code in a physical medium such as a CD-ROM; a minimal charge will be required.

The following URL [http://opensource.samsung.com/opensource/SMART\\_AT\\_051/seq/0](http://opensource.samsung.com/opensource/SMART_AT_051/seq/0) leads to the open source license information as related to this product. This offer is valid to anyone in receipt of this information.



# SmartThings app

## Controlling your air purifier with SmartThings app

Smartly control your air purifier using the SmartThings app.

Category	Function	Description
Monitoring	Indoor air quality	<p>Check the indoor air cleanliness.</p> <ul style="list-style-type: none"><li>• Touch the ⓘ icon to view the PM10 / PM2.5 / PM1.0 levels and gas cleanliness.</li><li>• Some of the options may not be available on your air purifier.</li></ul>
	Outdoor air quality	<p>You can access to air quality information for your area.</p> <ul style="list-style-type: none"><li>• Touch the ⓘ icon to view detailed air quality information for the region you specified in the settings.</li><li>• If you cannot view any outdoor air quality information, specify your region in the settings.</li></ul>
Control	Power supply	<p>Turn your air purifier on or off.</p>
	Controlling the fan speed	<p>Select the fan speed you want.</p>
	Timed on/off	<p>Set the timed on/off times.</p> <ul style="list-style-type: none"><li>• You can set a total of up to 10 timed on/off times.</li><li>• You cannot set the same time for both of the timed on and timed off times.</li><li>• While you are setting a timed on/off time, no timed on/off indications are displayed on your air purifier display.</li><li>• Once you set a timed on/off time, it persists even if you unplug and plug in the power cord of your air purifier.</li></ul>

Category	Function	Description
Control	Operation functions	<p><b>Touch the buttons for various additional functions you want to run.</b></p> <ul style="list-style-type: none"> <li>Deactivated buttons are the functions that your air purifier does not support.</li> </ul>
	settings	<p><b>Check the settings for region, lighting, mute, or filters.</b></p> <ul style="list-style-type: none"> <li>If you change the region, your display panel will show the outdoor air quality information for the new region.</li> <li>You can check the filter replacement time and reset the filter replacement reminder using Filter Info. You can also view the information about replacement filters.</li> <li>Some of the options may not be available on your air purifier.</li> </ul>
	Help	<p><b>Useful information to help you understand air related information and terms.</b></p>
	Device information	<p><b>View or open the version, tutorial, manual, store, self diagnosis, help desk.</b></p> <ul style="list-style-type: none"> <li>Some of the options may not be available on your air purifier.</li> </ul>

# Before Requesting Service

Check the following before requesting service from the Service Centre.

## Operation

### The air purifier does not operate.

- Check the power supply and turn on the air purifier again.
- Make sure that the power plug is plugged in, and then turn on the air purifier again.  
If it still does not operate, try a different power outlet.
- Make sure that the front panel is closed properly.

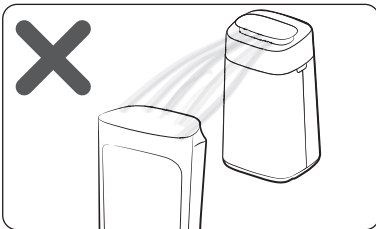
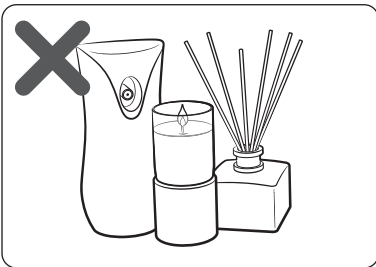
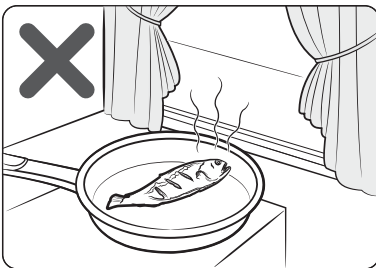
## Sound

### The air purifier makes strange noises.

- If you move the product during operation, it may cause noise.  
Turn off the power before moving the product.

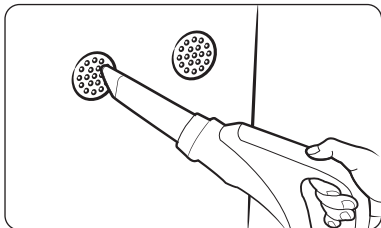
## Odours

### The air purifier smells strange.



- Because the air purifier sucks and circulates indoor air, if you use it in a closed space for a long time, odours generated in your home can saturate the filters.
  - Remove the pre-filter, 2-in-1 filter. See if any of them smell and clean or replace them when necessary.  
You will be charged for replacing filters regardless of the remaining warranty.
  - Open the doors and windows, and then operate the product for 3 to 4 hours.
  - When grilling or frying food ingredients such as fish and meat, ventilate the room well and operate the air purifier once the odours are sufficiently removed.
- Filters can become the source of odours when you use the product along with air fresheners, diffusers, scented candles or cleaning agents, or in a recently furnished room (e.g. new paint or wallpaper).
  - Ventilate until the odours are completely removed, and then operate the product.
- Operating your air purifier in a room that is constantly humid or exposing it to moisture from a humidifier can cause the filters to smell after some time.
  - If the filters smell due to moisture, dry them well in sunlight before using them again.

## Cleanliness



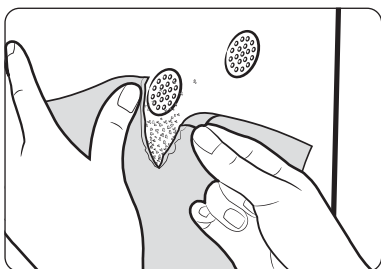
### **The cleanliness colour indicator continuously lights up in red. (The cleanliness indications are strange.)**

- Check the sensors for any foreign substances and clean them if necessary.
- In winter season, installing and operating the product for the first time shortly after delivery may cause the pollution level to reach  $999 \mu\text{g}/\text{m}^3$  with the indicator illuminated in red. This is a temporary issue that happens if there is a significant temperature change from outdoor exposure causing condensation inside the unit. In this case, do not be alarmed and continue using the product. The status will be cleared within 1 to 2 hours of operation.
- The gas sensor reacts to changes in the indoor odourant level due to cooking or ventilation, causing the indicator to illuminate in red. When this happens, ventilate the room for 1 to 2 hours.
- Disconnect the power plug, then put it back after 1 minute. (To reset the sensor)
- If the indicator colour stays in red after you have followed all the provided instructions and solutions, it may be a sensor issue. In this case, please contact your local Samsung Service Centre.
- When humidifiers, electric pressure cookers, sprayers and such are being used in the same room, the pollution level may be measured as Poor.

### **The fan speed does not change according to cleanliness.**

- Set the fan speed to Auto. The fan speed does not change automatically when it is set to Low, Medium or High, and when Sleep mode is on.

### **The PM10, PM2.5, PM1.0 concentration values do not change from the Good (05) level.**



- This may happen when the room is properly sealed and the air is clean. To check if the sensor is functioning, test it by tearing paper by the sensor and/or rub them to create some dust. This will cause the PM levels to change if the sensor is working properly.
  - Dusting off or cleaning the room may not necessarily cause sensor feedback if the dust particles are bigger than PM10, while they are still filtered and removed from the air.

# Before Requesting Service


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## Display

**The PM10, PM2.5, PM1.0 concentration values are the same continuously.**

- When the air is clean, you may not see a difference between the PM10, PM2.5 and PM1.0 levels. To check if the sensor is functioning, test it by tearing paper by the sensor and/or rub them to create some dust. This will cause the PM levels to change if the sensor is working properly.

**The filter replacement indicator is always turned on.**

- After replacing the filters, press and hold the  button for 3 seconds or more to reset the filter replacement reminder.

**Strange indications appear on the display.**

- Contact your local Samsung Service Centre if your air purifier displays *E 103, 105, 154, 155 or 163*

## Air circulation

**The fan does not seem to circulate the air evenly.**

- Your air purifier is designed to send the clean air upwards for effective circulation. Since the air circulates clockwise, you may find the output on the right relatively stronger, and weaker on the left.

# Memo

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## QUESTIONS OR COMMENTS?

COUNTRY	CALL	OR VISIT US ONLINE AT
AUSTRALIA	1300 362 603 (Other) 1300 425 299 (HHP)	<a href="http://www.samsung.com/au/support">www.samsung.com/au/support</a>
NEW ZEALAND	0800 726 786 (All Product) 0800 6 726 786 (Support for Smart Mobile Devices)	<a href="http://www.samsung.com/nz/support">www.samsung.com/nz/support</a>

