

QUESTIONS OR COMMENTS?

COUNTRY	CALL	OR VISIT US ONLINE AT
SINGAPORE	1800-SAMSUNG (726 7864)	www.samsung.com/sg/support
MALAYSIA	1800-88-9999 603-77137477 (Overseas contact)	www.samsung.com/my/support

AX041HCVAUW Series AX022HCVAND Series

Air Purifier user manual



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This manual is made with 100% recycled paper.

imagine the possibilities

Thank you for purchasing this Samsung product.



DB68-04616A-02

Product Features

TOTAL AIR CARE!! Purification and sterilization at the same time!!

Air purification via a dual cleaning system with 3-step filtering and ion-sterilization

Improves the indoor air quality through a 3-step filtering system that consists of a Pre filter (removes dust) \rightarrow HEPA filter (removes particles) \rightarrow deodorization filter (removes harmful gases and odors) and a Virus Doctor that directly emits ions for sterilization.

▶ The amazing air purification technology of the Virus Doctor:

Samsung Electronics' proprietary Virus Doctor emits active hydrogen (H) and oxygen (O_2^{-}) ions which combine into Hydroperoxy Radicals (HOO⁻) surrounding harmful particles floating in the air and destroy the hydrogen connections of the protein structure.

High-performance purification system

Effective dust collecting:

The HEPA filter collects invisible fine particles including dust in the air.

Effective deodorization:

The high-performance activated carbon filter quickly removes odor from food and cigarette.

Virus Doctor:

Emits active hydrogen and oxygen ions to remove floating germs, viruses and allergens from the air.

Sensitive sensor:

Each of the dust and odor sensors detects dust and odors, shows the current air pollution level and operates the unit in the optimal mode.

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Safety precautions

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

Hazards or unsafe practices that may result in severe personal injury or death .
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 appliance.
Do NOT disassemble.

FOR INSTALLATION A 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. In addition, do not use an extension cord.
 - 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.

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PREPARATION

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Safety precautions

FOR INSTALLATION A WARNING

O 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.

FOR INSTALLATION A 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.

There should be over 15cm space around the appliance.

▶ If space for air intake is not enough, humidification capacity may decrease.

If the appliance is too near wall side, the wall paper may get damaged.

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

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

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FOR POWER SUPPLY A WARNING

Unplug the product, and then remove foreign substances (dust, moisture, etc.) of the power plug terminal or power plug connection part with a dry cloth on a regular basis. Otherwise, electric shock or fire may occur. When the product, power plug or power cord is damaged, contact your nearest service center. 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. Otherwise, electric shock or fire may occur. 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. FOR POWER SUPPLY A 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.

Safety precautions

A WARNING FOR OPERATION



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

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.

When gases (city gas, profane gas, etc.) leak, do not touch the power cord. Immediately ventilate the area and contact a service center or a gualified 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.

 \bigcirc 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 substance into the air inlet or outlet.

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

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Do not place an object near the outdoor unit 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.

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

▶ This may result in electric shock or injury.

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 place heavy objects on the product.

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

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.
- 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.

Safety precautions

A CAUTION FOR OPERATION



Keep a distance of about 2m 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 a space greater than 5cm (15cm or more is recommended) between the product and the wall.

This product extracts air at the back to purify the air, therefore, installing the product in the center of a room may be most efficient. However, when installing the product against a wall, allow a distance of at least 5cm (15cm or more is recommended) between the product and the wall.

O 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 malfunctions.

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 put the product into water.

This may result in a product malfunction

Do not place the product on the edge of a desk or table.

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 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 use in Europe : This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

FOR CLEANING

O 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.

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

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Check before use

Installation status

Ensure that the following installation requirements have been satisfied.

- The product should be installed on an even, level floor.
- There should be no objects blocking the air intake and outlet.
- The installation site should be dry and there should be no inflammable substances around it.
- The product should be installed at least 5 cm (15 cm is recommended) from the wall.
- Before using the product for the first time and when replacing the integrated HEPA/deodorization filter, make sure to remove the plastic packaging of the filter.

Power plug and power outlet

- Be sure to use a dedicated 220 240 V electrical outlet. (When the power is applied, the product enters the standby state.)
- Unplug the power plug if it will not be used for a long period of time.

General information about the product

Be sure to install the filters before using the product and replace the filters when they start emitting a strange odor.

- This product is highly efficient for deodorizing household odors such as ammonia, as well as formaldehyde (the main cause of sick building syndrome), VOCs etc. However, 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 without the filters, you cannot expect any air purification effect.
- If the filters are contaminated, the air purification performance will be degraded. If the filters are seriously dirty or emit a bad odor or the airflow from the product decreases significantly, replace the filters.

Avoid operating the air purification system when cooking food that generates a strong odor such as fish.

- Otherwise, the lifetime of the deodorization filter may be significantly decreased and the deodorization filter may become contaminated by the odor.
- When the integrated HEPA/deodorization filter, is contaminated by surrounding odors and the odors can be smelt when the air purification filter operates, please replace the filter as it has reached its end of life.

Please close the windows and doors when operating the product.

- Otherwise, the air purification performance is degraded.
- ▶ The main noxious gas that cannot be removed: Carbon monoxide (CO)
- 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.

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Using the filters

- ▶ Before you use the product for the first time, remove the plastic packaging from the integrated HEPA/deodorization filter.
- ▶ If you operate the air purifier without the filters, you cannot expect any air purification effect.
- ▶ If the filter clean/replacement indicator () is turned on, clean the Pre filter.
- If the filter clean/replacement indicator (I) blinks, replace the integrated HEPA/deodorization filter. (The integrated HEPA/deodorization filter removes fine, invisible particles, gas and odor particles from the air. Postponing the filter replacement on the basis of a visual evaluation is not a desirable plan. The filter replacement cycle is the maximum usage period of the filter. The actual replacement cycle may vary depending on the operating environment.)
- If a strange odor is coming from the product, the airflow from the product becomes weak or the recommended replacement cycle is reached, make sure to replace the integrated HEPA/deodorization filter.
- Cleaning the Pre filter frequently improves the performance of the air purifier and helps keep the indoor air clean.
- For the installation order and how to install the filters, refer to the Replacing the filters section in the Cleaning and Maintenance chapter.
- Before replacing the filters, make sure to turn off the power.

Removing the back cover of the product

Hold the left and right edges of the back cover, pull it forward slightly ((1)) and then lift it up ((2)) to separate it.



Mounting the back cover of the product

Insert the hooks of the back cover into the grooves at the bottom of the main body (①) and press the edges of the back cover so that it fits into 8 holes (②) of the main body.

If the hooks of the back cover is not properly locked into the grooves, back cover can not be assembled properly.



Specifications

Model	AX041HCVAUW series	AX022HCVAND series
Dimensions (Width × Height × Depth)	362 mm X 478 mm X 213 mm	362 mm X 478 mm X 163 mm
Standard capacity	41 m ²	22 m ²

* The design and specifications of the product are subject to change without notice for product improvement purposes.

Check the name of the components

Air Purifier

AX041HCVAUW series

Front view



AX022HCVAND series

Front view



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PREPARATION

Check the name of the components

Buttons on the control panel



Control panel buttons

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Ċ	Start/Stop button	To turn the air purifier on or off.
	Mode button	To select Auto, Strong, Weak or Sleep mode.
	Filter reset button	To reset the filter cleaning or replacement alarm
f	Lock button	To set or release the button lock.

• Press the [()] button on the control panel to start the operation. The indicators show the current operating mode with the status.

 If you press a button, the corresponding indicator turns on with a ringing sound, indicating that the selected function is selected.

Cleanness indicator

- Shows the current cleanness of the air through the dust and odor sensors.
- · The cleanness indicator operation
 - (Polluted) Red \rightarrow Orange \rightarrow Yellow \rightarrow Green \rightarrow Blue (Clean)
- Status of the cleanness indicator may change often or may not change for long time depending on the surrounding environment. There is no problem with the product.

Air purification operation



- When the unit is running in Auto mode, the air is automatically kept clean by the air purifier regardless of the surrounding dust and odors.
- If Sleep mode is selected, only the Sleep mode indicator is turned on (dimly).

Pre filter cleaning alarm function



If the filter clean/replacement indicator is turned on while the air purifier is operating, clean the Pre filter and press and hold the [() button for 3 seconds to reset the alarm.

• Once the filter clean/replacement indicator is turned on, it remains on until you press and hold the [I] button for 3 seconds (until hearing a ringing sound) to reset the alarm.

Integrated HEPA/deodorization filter replacement alarm function



If the filter clean/replacement indicator blinks while using the air purifier, replace the integrated HEPA/deodorization filter and hold the [[]] button for 3 seconds or longer to reset the alarm.

- Once the filter clean/replacement indicator is turned on, it remains on until you press and hold the [I] button for 3 seconds (until hearing a ringing sound) to reset the alarm.
 - If you change the filter due to a strange odor before the filter clean/replacement indicator blink, press and hold the [[]] button for 3 seconds (until hearing a ringing sound) to reset the alarm.

Button lock function

This function prevents the button being pressed by mistake or by children.



The []] button locks the buttons.

- ► The [] button locks the buttons with a ringing sound when it is pressed for 3 seconds or longer.
- ▶ When the button lock function is selected, none of the buttons work.
- ► To unlock the buttons, press and hold the [] button for 3 seconds or longer again. The buttons are unlocked with a ringing sound.

Sleep mode

This mode allows users to sleep comfortably in a pleasant, peaceful environment.



When the air purifier is working, press the [] button to set Sleep mode.

- ▶ Whenever this button is pressed, the mode changes in the following order: Weak \rightarrow Sleep \rightarrow Auto \rightarrow Strong.
- The cleanness indicator is turned off and only the Sleep mode indicator is turned on dimly.

Cleaning and maintenance

NOTE

 Once the filter cleaning or replacement indicator is turned on, it remains on unless you press and hold the [[]] button for 3 seconds (until hearing a ringing sound) to reset the alarm.

Cleaning the exterior

- > Dip a towel in warm water and wring it out before using it to clean the product.
- Use a cotton swab to remove dust in the grooves of the exterior panel.
- \mathbf{E}^{\dagger} Do not wipe the control panel 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 product.



Storing the product

If the product is not going to be used for an extended period of time, put it into a box and store it in a dry, indoor site.

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03 OTHERS

Cleaning and maintenance

Cleaning the sensor



Insert the hooks of the back cover into the grooves at the bottom of the main body (1) and press the edges of the back cover so that it fits into 8 holes(2).





Do not clean the sensors using volatile substances (alcohol, acetone, etc.). Use only water.

- If the dust sensor lens or the odor sensor is contaminated by a foreign substance (dust), the cleanness indicator of the air purifier may be stuck in the polluted state. In this case, clean the sensors.
- Clean the sensors at least once every 6 months. However, cleaning period should be different depending on the operating environment and the operating time. Therefore cleaning should be more often in places with lots of dusts.
- Cleanness indicator on the control panel may not change from polluted state when the air purifier is operating in place with heavy dusts or smells that may be beyond its capability. (In this case, open the window to ventilate, or use the air purifier with appropriate capacity.)
- Do not use any spray type product near the air purifier.
- Turn off the power when cleaning the sensors. If you clean the sensors while the power is on, misdetection may occur from the sensor and the cleanness indicator may not work properly.

Cleaning the Pre filter

If the filter clean/replacement indicator (I) is turned on, clean the Pre filter.



Cleaning and maintenance

Replacing the integrated HEPA/deodorization filter

If the filter replacement indicator blinks, do not reuse it after washing it and replace the integrated HEPA/deodorizing filter immediately.

If there is a strange odor coming from the integrated HEPA/deodorization filter or the air flow from the air outlet becomes too weak, purchase new integrated HEPA/deodorization filter and replace the old one.



Turn on the product and press and hold the [I] button for 3 seconds.

• Once indicators stop blinking and a ringing sound is heard, the unit will return to normal operation.



- The HEPA filter has been treated with an anti-allergen and effectively removes allergens from the air.
- The deodorization filter effectively removes daily odors such as bathroom and food odors.

• You can purchase a new filter from a nearby Samsung Electronics service center or electronics mall.

- Replacement interval of the Integrated filter is between minimum 6 months to maximum 1 year based on 24 hours of operation per day. (You can use the filter longer if the daily operation hours are shorter.) Replacement interval varies due to level of air pollution. If there's heavy dust in the area it will result heavier accumulation in the filter which will shorten the interval. Filter replacement indicator will be turned on and notified you when it's time to replace the filter. However, if the filter is too dirty, or if it smells, or if you feel the fan speed has gotten gradually weaker, you can replace it even though the filter replacement indicator has not turned on.
- When you replace the deodorization filter, remove the plastic packaging before installing the filter.
- The filter replacement frequency differs depending on the operating mode because the air flow rate is subject to the operating mode.
- If you change the filter even though the filter change/replacement indicator did not blink, press and hold the [I] button for 3 seconds (until hearing a ringing sound) to reset the alarm.



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NOTE

• Do not wet the integrated HEPA/deodorization filter. Keep the air filters away from moisture while the air purifier is in use.

• Do not use the air purifier in an area where cooking is done for a long period of time (especially while cooking) as this will reduce the lifespan and replacement time of the filter. Open the windows to ventilate the room while cooking. Once cooking is done, close the windows and use the air purifier to remove remaining odors.

• Replacement period of the filter may differ depending on the operating environment.

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OTHERS

Troubleshooting

Before reporting on a problem with your product, please check the troubleshooting table below.

Problem	Checkpoint	Solution
	• Has the power been cut?	 After checking the power connection, operate the product again.
The air purifier does not work.	 Is the power plug unplugged? 	 Insert the power plug into the wall outlet correctly and operate the product again.
	 Is there a problem with the wall outlet or the power strip? 	• Try using another wall power outlet or power strip.
The filter cleaning indicator is continuously on.	 Did you reset the alarm by pressing and holding the [I] button for 3 seconds after cleaning or replacing a filter? 	 After cleaning or replacing a filter, you need to reset the alarm by pressing the filter reset button.
	 Is the Pre filter contaminated? 	• Clean the Pre filter.
There is a strange odor.	 Is there a strange odor coming from the integrated HEPA/ deodorization filter? 	 Purchase a new integrated HEPA/deodorization filter and replace the old filter with the new one.
There is a strange	 Is the sound like a hissing sound? 	 A hissing noise may be heard while ions are being generated. This noise is normal.
sound coming from the product.	 Check whether the product has been moved during operation. 	 If the product is moved during operation, noise may occur. Before moving the product, turn off the product.

Problem	Checkpoint	Solution	
There is a strange sound coming from the product.	 Check if the product is horizontally leveled. 	 Make sure the product is horizontally leveled. 	
	 Check if there's any foreign substance in inside of the product. 	• Please contact the Samsung service center	03 OTHERS
	 Do you hear strange grinding, or jamming sound? 	• Please contact the Samsung service center.	
The cleanness indicator is permanently turned on red.	 Is there dust or some smelly substance that you cannot locate in the room? Does the color of the indicator change when the unit is moved to a clean room? Do you clean the dust and odor sensors regularly? 	 Clean the dust and odor sensors. If the sensor indicator stays red even after cleaning the dust and odor sensors and moving the unit to a clean room, it may be because of a sensor or wiring error. In this case, please contact the service center. 	
Although the cleanness indicator is kept red or orange, the airflow speed does not change.	• Is Auto mode selected?	• Set the mode to Auto mode. When the mode is set to Strong, Weak or Sleep mode, the airflow speed does not change.	
The indicator is odd.	• Is the Auto mode indicator ((())) blinking?	• This indicates that the unit is out of order. Please contact the service center.	