

Air Cleaning Sterilizer

VIRUSSAC

Instruction Manual

KV-12ASDC / KV-12ASD



- Be sure to read precautions for safe use before using the product and use it correctly.
- After reading this instruction manual, keep it in a place visible to anyone at any time.
- This product is for domestic (Republic of Korea) use.
- It cannot be used in foreign countries with different power supply and voltage.

- Product exterior is subject to change without notice to improve quality.

Precautions for Safe Use

- This device is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge who cannot use the device safely without supervision or instruction.
- It is recommended that children be supervised to ensure that they do not play with the device.
- This device must be used with the power supply unit supplied with the device.
- This device must be supplied only with the safety extra-low voltage corresponding to the marking on the device.
- This product may generate ozone due to the ionizer, so ventilation is recommended when using it for a long time.

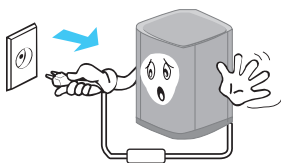
⚠ WARNING If there is a possibility of serious injury or death in violation of the instructions

⚠ PRECAUTIONS If there is a possibility of minor injury or product damage due to the violation of instructions

⚠ WARNING

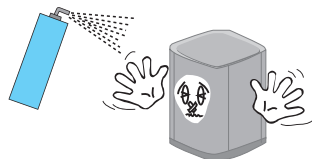
1. Do not remove or move the power plug while driving.

It may cause breakdowns and fire.



2. Do not spray pesticide or use flammable sprays on the product.

It is harmful to human body, and may cause breakdowns and electric shock.



3. Do not spray water directly on the product.

It may cause breakdowns and electric shocks.



4. Do not use in narrow places or uneven and inclined floors.

It may cause breakdowns and deformation.



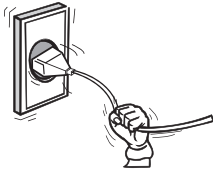
Precautions for Safe Use

⚠ Precautions for Safe Use

⚠ WARNING

1. Do not pull out the power cord when removing it.

It may cause electric shock or fire.



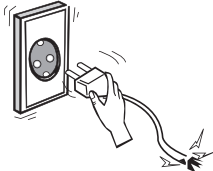
2. Never disassemble, repair or alter the product.

Contact service center as there is a risk of breakdown, electric shock, or fire.



3. In case of the damage to power cord, do not use the product and request post-sale service.

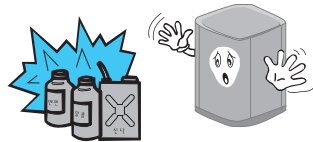
It may cause fire due to electric shock or short circuit.



* For power cord damages, contact service center and replace it.

4. Do not place flammable substances (spray, oil, gas) around the product.

It may cause explosion or fire.



5. Do not stand on the product or put heavy objects on top of the product.

It may cause breakdown and deformation.



6. Do not place the product near hot air balloons.

It may cause deformations, discoloration and fire.



Precautions for Safe Use

⚠ Precautions for Safe Use

⚠ WARNING

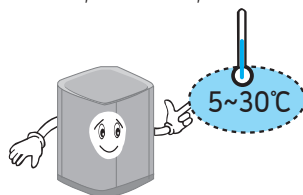
1. Do not use in narrow places or uneven and inclined floors.

It may cause breakdowns and deformation.



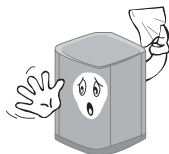
2. Do not use at the places with high or low temperatures.

This product is for indoor use only (5~30°C), and it may cause deformation, discoloration, and shorter filter lifespan.



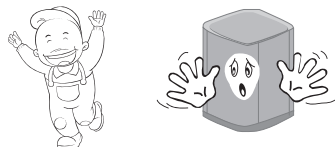
3. Take caution not to block air intake or outlet with laundry, curtain, etc.

If left blocked, it may cause the product deformation due to the increase of internal temperature.



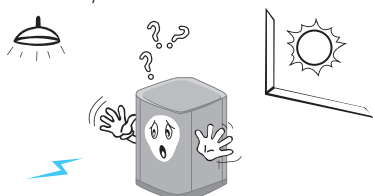
4. Do not put foreign substances such as pens, sticks, coins, etc. into the air outlet.

Be especially careful of children. It may cause burns, electric shock and breakdown.



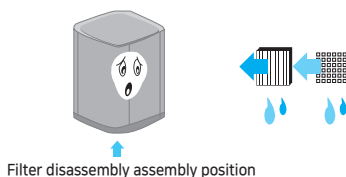
5. Do not use it near direct sunlight, inverter light fixtures, or light fixtures with automatic sensors.

It may cause sensor and remote control malfunctions of the main body.



6. If the pre-filter is washed with water, dry it completely before putting in the product.

There is a risk of a short circuit and fire.



PRODUCT FEATURES

1. This product has following features.

This product has excellent effects on sterilization and removal of indoor air contaminated with viruses or volatile organic compounds, and features the following:

1 Step 1: Pre-filter

It primarily removes large dust (blanket dust, animal dust, yellow dust) floating in the air.

2 Step 2: HEPA Filter

It removes 0.3μ of indoor fine dust by 99.97% to prevent allergies and remove organic compound (VOCs) and cigarette smoke.

3 Micom Indoor Contamination Control Technology using Gas Sensor

Contamination level is indicated with lamp color change (red-green-blue) using indoor air detection sensor, and it automatically controls indoor air to be kept clean.

4 Step 3 : Adsorption of contaminated inhalation Air-Strong OH Oxidative sterilization processing

Our company's patented sterilization module used Zeolite absorption ceramics to prevent viruses, bacteria, volatile gases, and moisture from passing through by inhaling and adsorbing them up to 20 times, and then strongly oxidize pollutant sources of absorbed inhalation air using sterilized ions to remove it by more than 98%.

5 Step 4: Strong plasma anions (HOO~) sterilization

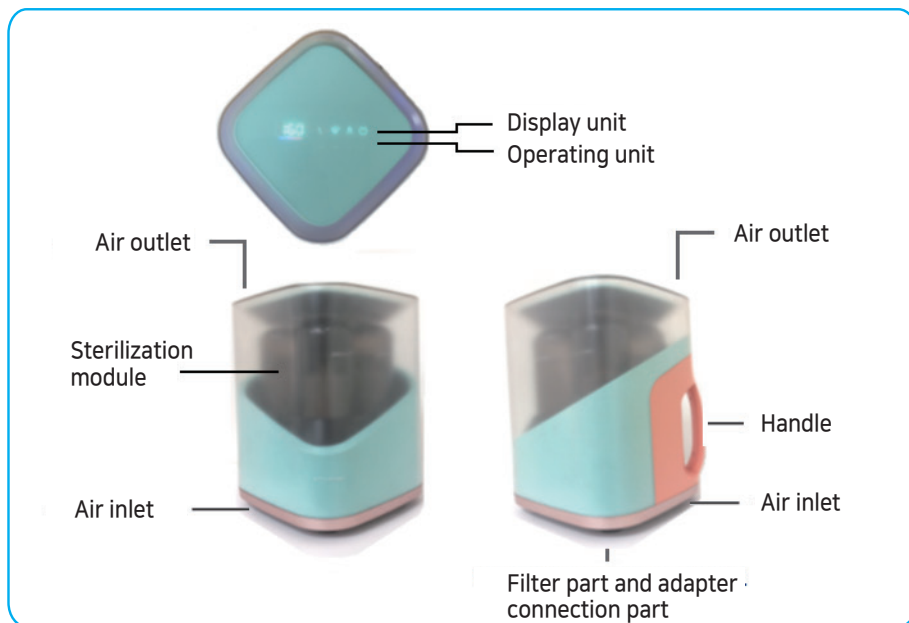
We sterilize various viruses and MRSA pathogens such as influenza virus, Coxsackie virus,
We sterilize various viruses and MRSA pathogens such as polio virus and MRSA(pathogen).

6 Step 5: Sterilization function to detect floating indoor viruses and fungus bacteria.

It is a technology that includes 6 million anions in clean air and releases them indoors, and creates an indoor forest bath effect by finding and sterilizing floating viruses and fungus bacteria.

Names / Components of Each Part

- Name of each part



- Components of product



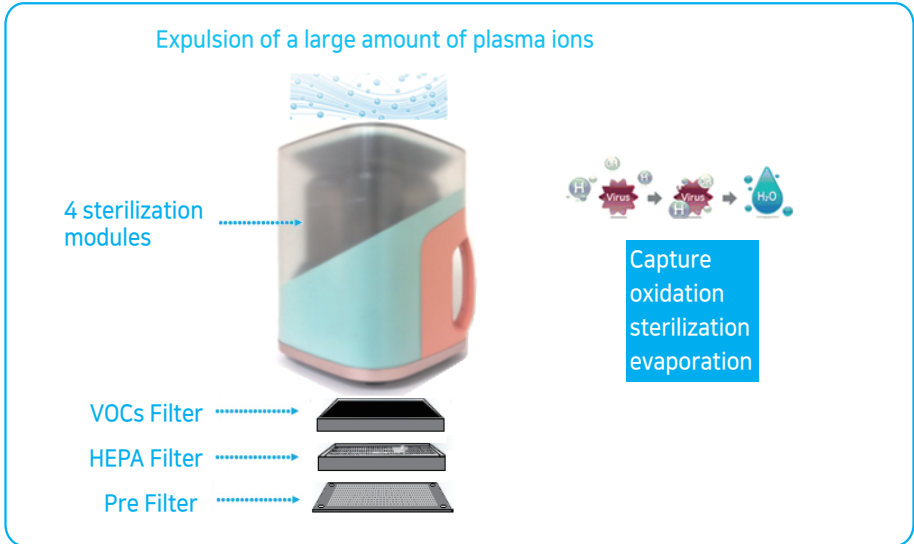
Instruction Manual



Adater DC24V 2.5~2.7A

Filter Details

• Name of each part



Pre Filter

Remove primarily large dust (blanket dust, animal hair, yellow (dust) floating in the air.

HEPA Filter

Remove 0.3mM fine dust, ticks yellow dust, fungus up to 99.7%

VOCs Filter

VOCs primarily during the inhalation stage of the device.

4 sterilization modules

Removal of viruses and harmful gases
Filter application, Cleaning, Replacement Cycle

• Filter application, Cleaning, Replacement Cycle

Filter	Cleaning / Replacement Cycle	Cleaning / Replacement	
Pre-filter	1 time / 2~4 weeks	Cleaning and washing	Apply
HEFA Filter	1 time / 12 months	Replacement	Apply
1st Sterilization Module	Auto-recycling	No replacement	Apply
2nd Sterilization Module			Apply

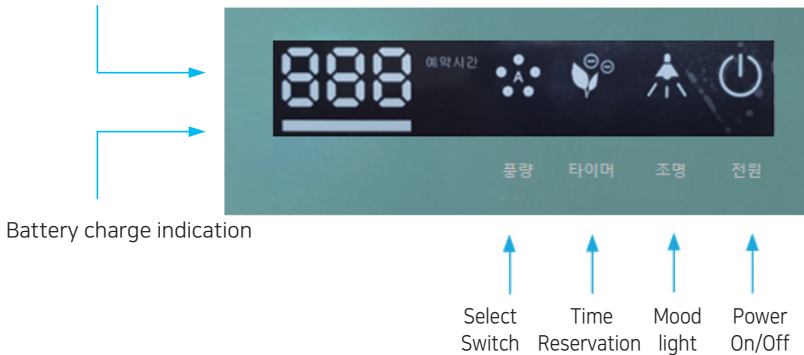
* Air cleaning function : Automatic operation is used 24 hours a day.

* Filter replacement cycles are recommended and may vary depending on user environment.

Display and Control Unit

● DISPLAY UNIT

Pre-purge 3-minute operation status and reservation timer display when power is turned on



● Control unit

- Power switch : Switch that turns the power On/Off
- Light switch : A switch that turns off only the sterilizing lamp for a good night's sleep when going to bed.
- Timer switch : This is a switch that activates the reservation. Each Time you press it, a one-hour reservation is made, and reservations can be made for up to 24 hours.
- Air volume control switch : Switch to adjust the air volume in auto
 - 1st stage, 2nd Stage, 3rd stage, 4th stage, and 5th stage.

PRODUCT INSTALLATION

Make sure to use a genuine filter supplied by the head office.

● HOW TO INSTALL

Be aware before using the product

1. Use a genuine filter provided by head office when replacing the filter.

- The filter replacement cycle is between 3 and 12 months.
(Refer to page 7, Filter replacement cycle)
- Be sure to use the genuine products of Dong yang Magic to maintain the best performance.
- Refer to the Filter Replacement in page 11 when replacing the filter.

2. If the sensitivity of pollution level detection sensor is weakened, contact the service center for service request.

(Service center : 032-819-0981)

Select a proper installation location for safe use.

1 Indoor space without direct sunlight

It may cause the malfunctions and breakdowns of the product.

2 Moisture-less and well-ventilated place

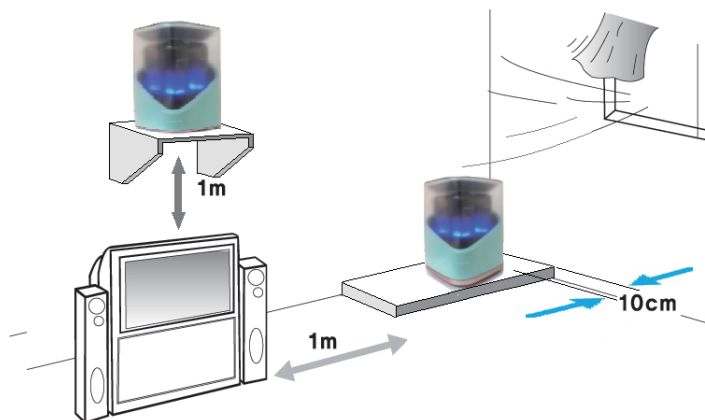
This may lead to an electric shock or the rust of the product, causing the breakdown.

3 Install at least 10cm apart from the wall

4 Install TV, radio, and electronics at least 1m apart from each other

5 Solid, flat floor

If installed on a weak, tilted floor, it may cause abnormal noise and vibrations.



HOW TO USE PRODUCT

• How to use

Preparation before use

1. Connect the power adapter to 220V and the other side to the rear end of the device.
2. Press the power button on the main body.

※ For filter assembly, refer to the safety warning label on top of the product.

Drive / Stop



Press the power button on the main body.

After starting the operations, press the button once again to stop the operation.

When the power outlet is plugged in for the first time, self-diagnosis is performed in sequence from the filter change lamp to the pollution

Drive / Stop



Press the button on the main body.

Whenever pressing Setting button, it operates as shown below.

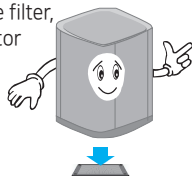
Circulate in sequence of Auto → Sleeping → Wind speed → Wind Speed Light → Wind speed Medium → Wind speed Strong → Turbo

• How to replace filter

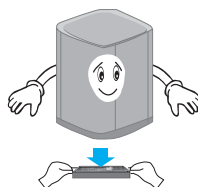
1. The pre-filter cover at the bottom is attached with a magnet.

It disassembles easily when pulled.

- Be sure to unplug the power plug and replace the filter.
- When it is time to replace the filter, the filter replacement indicator lights up.



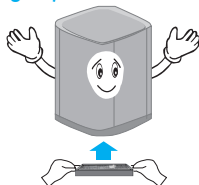
2. Grasp both sides of the pre-filter and pull it out.



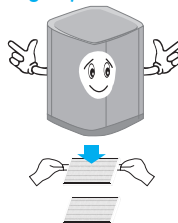
3. Insert the new main filter all the way to the inside bottom.

Please push it in so it fits tightly.

It is manufactured so that if there is a gap between the filter and the body, a gap will not occur, which will affect noise and performance.



4. Hold both ends of the pre-filter and insert it completely into the bottom of the filter. Push it in tightly and close the filter cover.



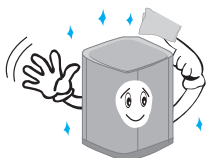
5. Initial filter life and setting method

After replacing the filter, turn the setting switch and Press the light switch for 10 seconds to set it to the initial state.



HOW TO CLEAN UP PRODUCT

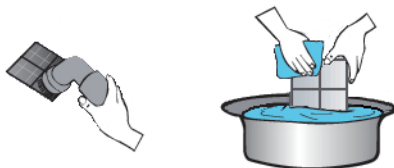
● Product Exterior



Wipe off using soft sponges and mild detergents and get rid of moisture.

● Pre-Filter

Clean up more than twice a month

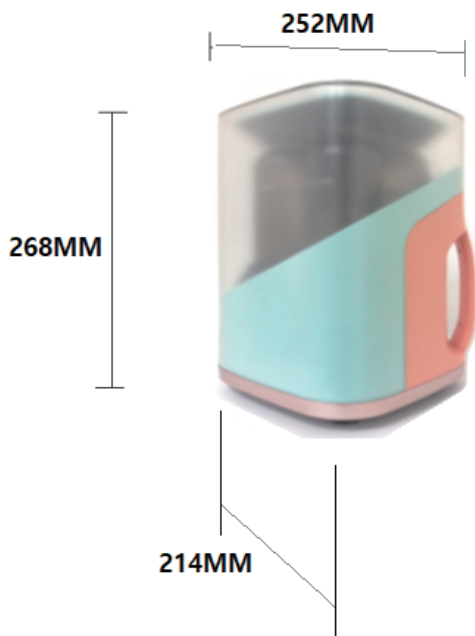


- 1** Refer to page 11 and separate pre-filter.
- 2** Remove dust and mote attached to the pre-filter by vacuuming or dusting.
- 3** Put neural detergent in dissolved water(about 30°C), wash the pre-filter, and then fully dry in the shade.
- 4** Attach the pre-filter to its original position and close the front cover.

※ If dust or mote is attached, the air volume decreases and the filter lifespan can be shortened, Clean it up more than twice a month.

- ▶ Be sure to remove power plug and cool it down before handling the device.
- ▶ Do not use benzene, alcohol, or other volatile detergents that cause damage and discoloration.
- ▶ Clean up HEPA filter once every six months using vacuum cleaner or duster to extend the lifespan of pre-filter.

PRODUCT SPECIFICATIONS



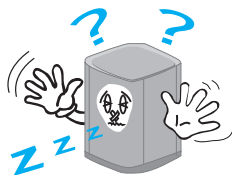
Model	KV-12ASDC	KV-12ASD
Power supply	DC24V, 2.5~2.7A	
Power consumption	9 W	
Area used	Clean area 13.2m ² , sterilization area 39.6m ²	
Operation mode	Manual and fully automatic operation wireless remote control	
Filter replacement	Function to check the timing of filter change/mood light selection	
Composition	Pre-filter - HEFA filter - Absorption filter - Sterilization filter - Anion discharge	
Weight	4.3Kg	3.8kg
Wireless usage time when charging	Available for 6 hours	No function
Timer	1~24 hours, continued operation	

PRODUCT BREAKDOWN

What can be done in this case?

Please check carefully the following before service request, and contact customer service center if the problem persists.

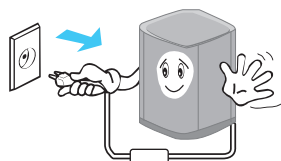
1. It's not operating at all.



Is the power plug plugged in properly?

- Plug in the power plug correctly.
- Close the front cover tightly.

2 Automatic operation is not functioning



Unplug the power cord and plug in again, and start operation by pressing the button.

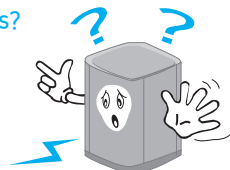
3. There's a lot of vibration and noise.



Check if used in an inclined state?

- Please move the product to a flat spot.

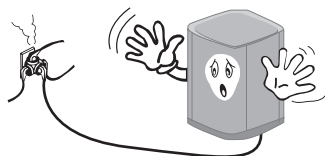
4. Can't use wireless?



Check the battery charge status!

- When charged to 100%, the charging indicator lamp is blue.
- The KV-12ASD Model does not have charging or wireless use functions.

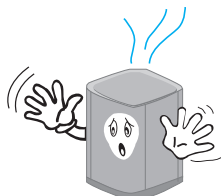
5. The power plug and outlet are very hot.



Is the power plug plugged in properly?

- Connect the power plug tightly.

6. The wind speed is weak or the air is not purified.



Isn't the pre-filter accumulated with dust and blocking the filter?

- Clean the pre-filter.

WARRANTY

Product name	Air Cleaning Sterilizer	Model	☐ KV-12ASDC ☐ KV-12ASD
Manufacturing No.		Date of purchase	
Place of purchase		Customer name	
Address	Phone		

- This product compensates customers for legitimate damages in accordance with the Korea Consumer Agency's Consumer Damage Compensation Regulations.
- For agency's service, please contact the customer service office,
- It used for business purposes (business activities, abnormal use environments, etc.) rather than for home use, the warranty period is decreased by half.
- This certificate is only valid domestically.

Classification	Customer damage type	Compensation details	
		Within warranty period.	After warranty period
Performance and function defects that occur naturally in normal use	Critical repairs are required within 10days of purchase	Product exchange or refund of purchase price	Not applicable
	Critical repairs are required within one month of purchase	Product exchange or free repair	
	The product failure requires significant repair within 1 month after product exchange	Refund of purchase price	
	Not able to exchange		
	Damages caused by transport process and occurred at time of product installation	Product exchange	Paid repair
	Defect occurs within the warranty period	Free repair	
	4th failure due to the same defect	Product exchange or refund of purchase price	
	5th failure after repairing several different parts		
	Not repairable		
	Not repairable due to insufficient repair parts		
The product requested for service by consumer is lost by business operator		10% addition to depreciation amount of list price	
Breakdown due to consumer's willful negligence or mistake	Repairable	Paid repair	
	Not repairable due to insufficient repair parts	Product exchange after collecting the amount equivalent to paid repair.	

Quality assurance and part retention periods for each product		
Product	Quality Assurance Period	Parts retention period
Air Cleaning Sterilizer	1 year (for home used only)	7 years

Pioneer in Clean Air Technology

Korea Environmental Strategy Institute Service Center

VIRUSSAC

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www.virusssac.com

Multi-sterilization patent technology that cannot be imitated.

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