

# ***VIRUSKILLER***

## STERILIZATION EQUIPMENT for AIR PURIFYING **VK-401(NEW)**

USER'S GUIDE & INSTRUCTIONS

- Read and follow 'all safety rules and instructions' before using this product.
- We have provided many important safety messages in this manual and on your appliance. Always read and follow all safety messages to prevent property loss and ensure your safety.
- Warranty is included inside of this manual.
- Please retain this owner's manual for future reference.

This product is for AC 220V only..

Do not use this product under the other electrical circumstances.



## **STRONG POINTS of VIRUSKILLER**

Thank you for purchasing our Air Sterilization System, VIRUSKILLER. Your new VIRUSKILLER combines high-efficiency operation with portable convenience. By following the operating and care instructions in this manual, your VIRUSKILLER will provide you with many years of reliable service.



### **POWERFUL STERILIZING FUNCTION**

Powerful sterilization of Ultraviolet rays and Hydroxyl Radical( $-OH$ )

### **REMOTE CONTROL FUNCTION**

The application of remote controller maximizes the user's convenience.

### **DUAL REACTORS (Sterilizing Module)**

Each Separated Sterilizing Module Operates Own Functions Independently.

### **TIMER FUNCTION**

Timer can be set to stop its operation automatically even while user's absence.

### **HEPA filter and antivirus pre-filter**

HEPA filter and pre-filter for coarse dust removal are used before air sterilization.

### **Indication of indoor temperature**

Indoor temperature is displayed.

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## Important safety Instruction

The following instructions related to the safety provide you to prevent property loss and ensure your safety in advance.

### Warning / Caution



#### Warning

This symbol indicates the possibility of death or serious injury.



#### Caution

This symbol indicates the possibility of injury or damage to property.



This symbol is to bring important information to your attention to avoid the risk of serious danger. Follow the instructions carefully.



This symbol indicates a forbidden method to reduce the risk of serious danger.

## Important Safety Instruction

### ⚠ Warning

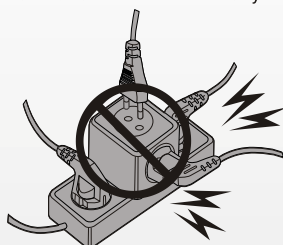
#### Installation safety

**Do not alter or modify the plug or cord of this equipment.**  
It may cause a fire or an electric shock



**Use proper outlet or power cable.**

Please do not use over-loaded outlet with several cordsets simultaneously



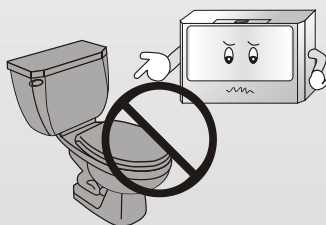
**Keep the product away from inflammable gases or liquids or other combustibles.**

It may cause an explosion, a fire or a burn.



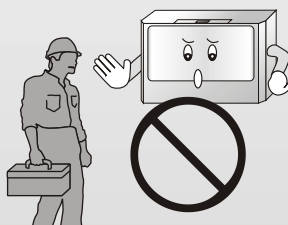
**Do not place or use with wet hands or in a damp environment.**

It may cause a fire or an electric shock.



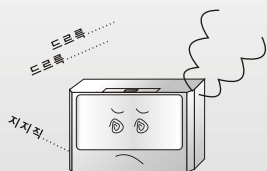
**Do not attempt to repair or replace any part of this equipment unless it is specifically recommended in this manual.**

All other services should be referred to a qualified technician.



#### Operation Safety

**If strange noise, unusual odor or smoke is generated, unplug it immediately and contact our customer service.**  
It may cause a fire or an electric shock.



**Do not allow the water enter the unit. It can damage the insulation, creating shock hazard. If water enter the unit, unplug it immediately and contact our customer service.** It can result in the risk of electronic shock.



**Do not allow heavy objects on the power cord.**  
It may cause a fire or an electric shock.

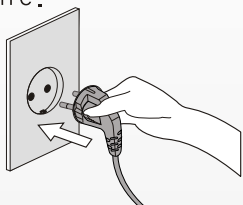


## Important Safety Precautions

### Caution

#### Operation safety

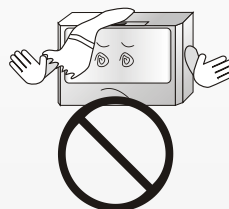
**Make sure the power cord is plugged firmly and completely into the outlet.**  
If the power cord is plugged in unsafely, it may cause a fire.



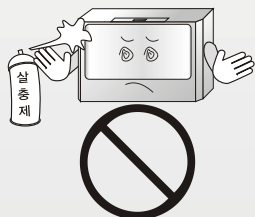
**Do not touch the plug with a wet hand.**  
It may cause an electric shock or an injury.



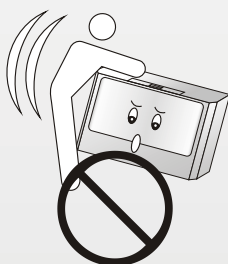
**Do not block air inlet or outlet of your VirusKiller.**  
Reduced air flow will result in poor performance and could damage the unit.



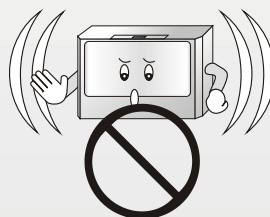
**Do not sprinkle any inflammable materials as like insecticide or air fresheners near the product.**  
It may cause a fire or a breakdown.



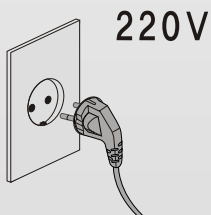
**Do not sit, stand or place heavy objects on the unit.**  
It may cause an injury or a breakdown.



**Do not move the product while the product is operating.**  
It may cause a fire, an electric shock or partial defects.



**Plug this product into 220V AC outlet only.**  
If it is not observed, it may cause a fire or an electric shock.



## Operation Instructions

### **Make sure to stop operation of the unit prior to clean up the room. !**

Entering excessive dust or foreign objects into the unit may cause the reduction of HEPA filter life. So, please be advised to ventilate sufficiently after cleaning up the room, then operate the unit.



### **Stop operation of the unit while cooking, and operate the unit after ventilation. !**

It is not the correct way to use this product to reduce the smell of fish or meat during grilling. The oil from the cooking makes the life span of sterilizing module shorten. In this case, it is a correct way to remove leftover smell by VIRUSKILLER after removing the oil through ventilation.



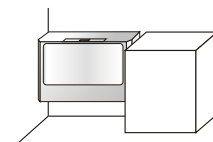
### **Do not keep remain in the direct airflow from VirusKiller while you sleep. !**

You may feel freshness before sleeping, but you may feel coolness after sleeping when you are exposed to direct airflow from the unit. It is recommendable to place it more than 3 meter away from the bed.



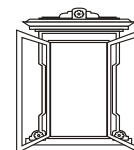
### **Please do not place the product in the area surrounded by objects. !**

It is recommendable not to place the product in the area surrounded by tall objects such as furniture or electronic goods. It may hinder air circulation of the product.



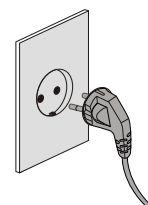
### **Be sure to ventilate more than 30 minutes a day. !**

The ventilation is essential in the place using VIRUSKILLER. It is necessary to ventilate for more than 30 minutes a day to supply fresh air into a room. In addition, do not fail to change/clean filter to avoid reduction of sterilizing power. Constant clean and management is essential.



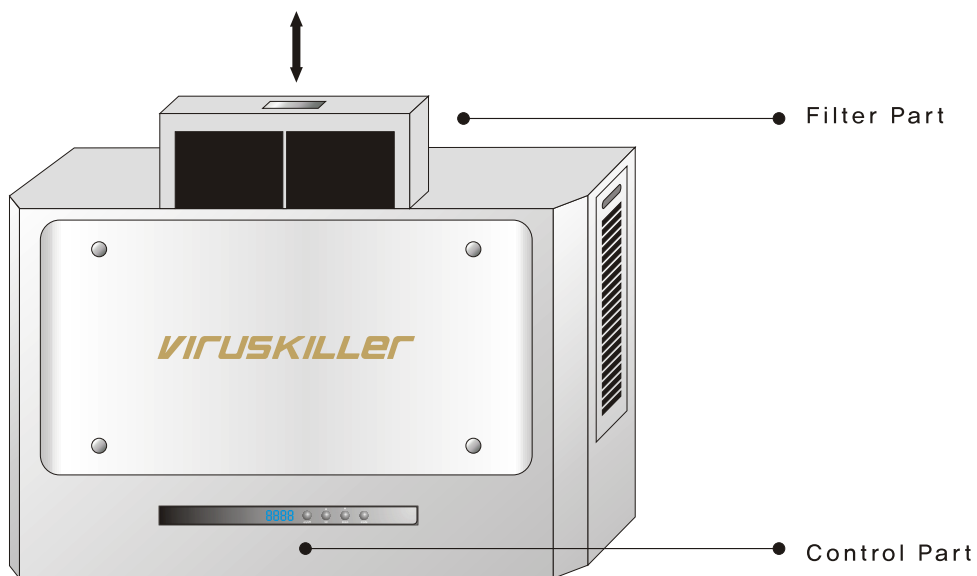
### **Plug the power cord into its own dedicated properly grounded outlet. !**

Lightning or static electricity may defect the circuit that may cause a fire or troubles. To avoid malfunction or unexpected accidents by natural disaster, be sure to plug it into grounded outlet.



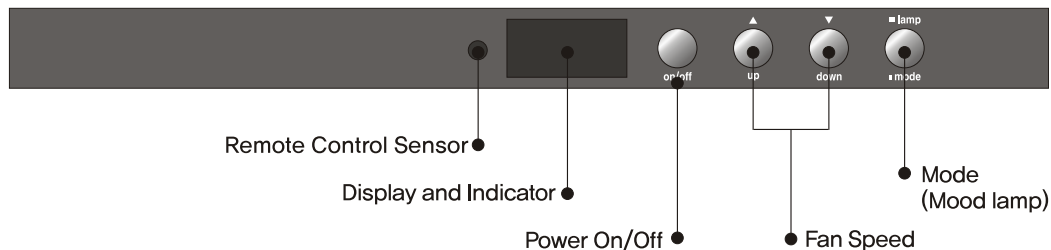
## Key Parts and Components

### Main Body

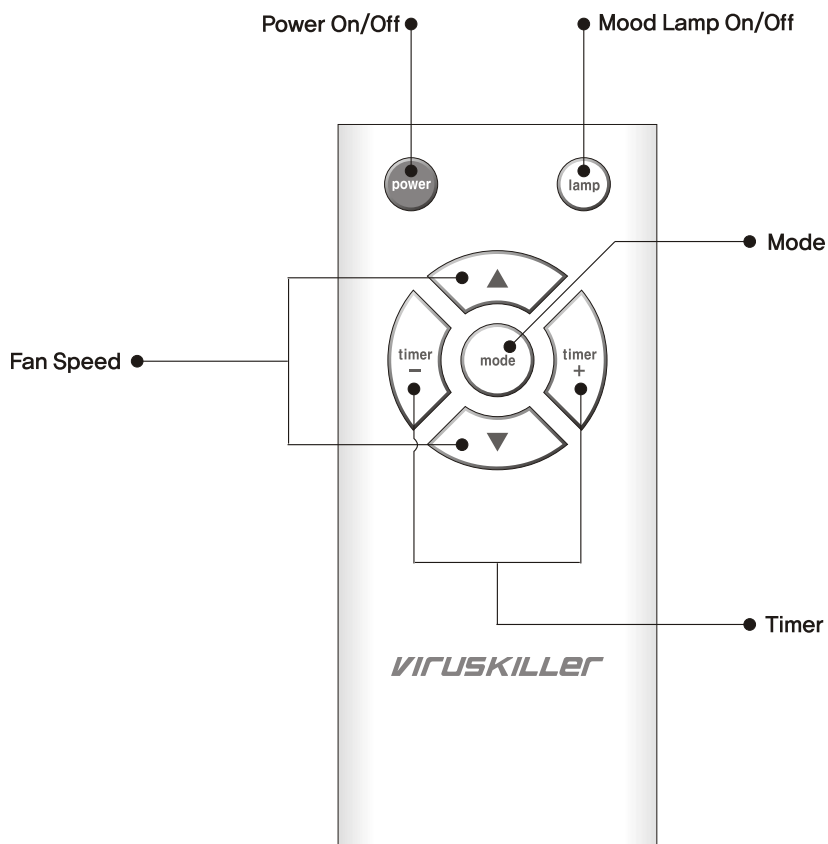


## Key Parts and Components

### Control Panel and Display



### Remote Controller



## Operation

### Operation



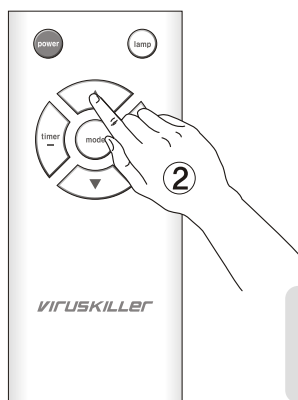
#### Operation

Press power button of main body.. ①

Press power button of remote controller. ②

When power button is pressed, the product begins to operate with beep sound. If the product does not operate, make sure electrical plug is plugged completely into a live, properly grounded outlet.

### To increase Fan Speed



#### To increase Fan Speed.

Press UP button of main body. ①

Press ▲ button of remote controller. ②

Fan speed will be increased with beep sound when you press UP button.

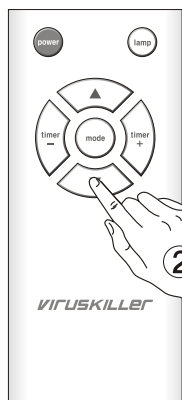
**FAN 1** Silence mode

**FAN 2** Normal mode

**FAN 3** High Speed mode

## Operation

### To reduce fan speed



To reduce fan speed.

Press DOWN button of main body. ①

Press ▼ button of remote controller. ②

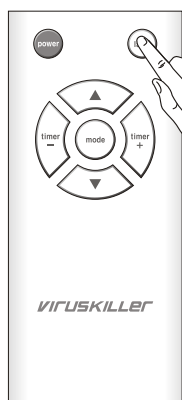
The fan speed will be reduced with beep sound when you press DOWN button.

**FAN1** Silence mode

**FAN2** Normal mode

**FAN3** High Speed mode

### Turn on/off Mood lamp



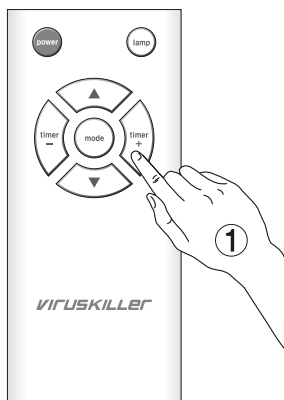
Turn on/off Mood lamp

Keep pressing LAMP button of main body for a few seconds. ①

Press LAMP button of remote controller. ②

## Operation

### Timer



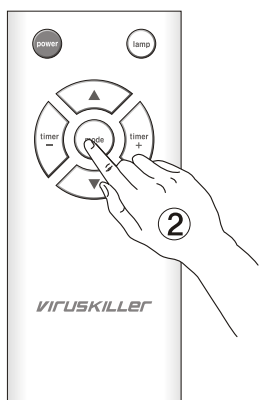
#### To set timer

Press TIMER button in the remote controller. ①

The timer will be operated with beep sound by pressing TIMER button. The product will be stopped when programmed time is passed.

**Pr-3** 3 hour preset    **Pr-6** 6 hour preset    **Pr-9** 9 hour preset

### State indication mode



#### State indication mode

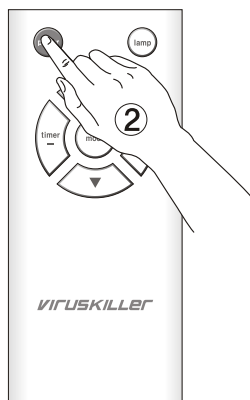
Press MODE button of main body shortly. ①

Press MODE button of remote controller. ②

The Indication of state will be changed with beep sound when the MODE button is pressed. Whenever the button is pressed, the displaying screen will be changed in order.

**0001** Operating time of ultraviolet lamp    **27.2** Current temperature    **FAN3** Fan Speed

## Stop



### Stop operation of the product

Press Power off switch of main body. ①

Press Power off switch of remote controller. ②

The operation of this product will be stopped with the beep sound upon pressing Power off switch. Turn the product off and unplug power cord when it is not in use for an extended period of time.

## Clean and Replacement the Filter

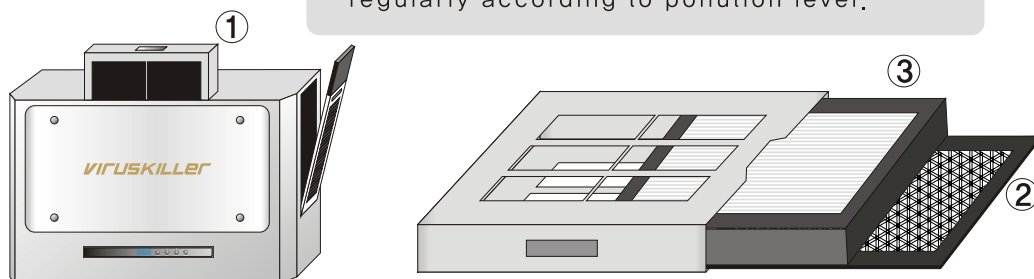
### Cleaning Pre-Filter

#### Cleaning Pre-Filter

Pull the filter case ① out of the lower part of the unit.

Pull off the pre-filter in the filter case ② Use a vacuum cleaner to clean the pre-filter. If the pre-filter is heavily soiled, it can be washed in warm water. Allow the pre-filter to dry completely before reinstalling.

The pre-filter can be recycled.  
So it is recommendable to clean the filter  
regularly according to pollution level.



### Replacement Message of HEPA filter.



#### Replacement of HEPA Filter

If the FILT is displayed every 2 minutes, it indicates the replacement time of HEPA filter (2000 hours). The FILT will disappear when you keep pressing the up switch ④ over 14 seconds after replacing the HEPA Filter ③.

HEPA FILTER is not recycled, so it should be changed.  
The replacing time will be shorter depending on the polluted levels  
of the installed place. Please contact our customer service center or  
distributor to purchase HEPA filter.

Customer Service Center Tel: 82.2.855.9615/7

Local distributor:

## Error Messages

### Message for replacement of Sterilizing Module Caution



#### Message for replacement of Sterilizing Module

The life span of Sterilizing Module UV Lamp is 8000 hours. When the 8000 hours are passed, the timer will display as minus(-). Then contact our customer service center to replace Sterilizing Module. Unless the Sterilizing Module is replaced, both the sterilizing power and the life span will be reduced.

### UV Lamp Error Warning



#### Error message due to the malfunction of UV Lamp

This is an error message when the UV Lamp is not operated. Stop operation immediately and call for service.

### Fan Error Warning



#### Malfunction of Fan

This is an error message when the Fan does not operate. Stop operation immediately and call for service.

### Circuit overheat error Warning



#### Error message displayed when the circuit is overheated.

Stop operation immediately and call for service.

## Before calling for service

Before you call for service, review this list. It may save your time and expense. This list includes common occurrences that are not the result of defect in workmanship or materials.

Problem	Possible Causes	Solutions
Product will not start.	Is power cord is correctly connected to the outlet?	Put power plug into AC outlet properly.
	Check remote controller?	Change /reinstall batteries correctly according to the polarity.
	Check if the voltage of a AC outlet is too low?	This product should be plugged into its own grounded 220VAC circuit.
Weak wind volume and noise from the product.	Check if dust is accumulated in the filter?	Pre-filter should be cleaned and HEPA filter should be replaced at the time of filter change.
Preset operation is not functioned.	Check the operation indicator?	Preset once again according to the instructions in the manual.
The air purifying function does not work well.	Check if the indoor is seriously contaminated?	Use after ventilation.
	Check if the dust purity level of pre-filter keeps showing high?	Clean the pre-filter.
	Check if the HEPA filter is seriously contaminated?	Replace HEPA Filter. (Please call for service to purchase HEPA filters.)
	Check if the product is installed in the too wide place?	Select the proper capacity of VirusKiller depending on the space size.
	Check if airflow is restricted?	Make sure there is sufficient clearance around the product and that the air inlet and outlet are not blocked by furniture, curtains, etc.
Strange smell is emitted from the air outlet.	Is this a smell of new product?	This may be a smell of antimicrobial from sterilizing module/filter that will disappear over a relatively short period(1-2 weeks) of operation. It is Harmless to human body.
	Is the washable pre-filter dried completely?	This may be from the pre-filter, which is not dried completely. Use after drying completely.
	Check if this product is used in the place emitted food odors?	Food odors can permeate into the filter or the sterilizing module. Use after ventilation.
	Check if this product is used in the place generating smoke or odors?	In the place emitting smoke or odors, the performance of the air purifying function may slow down. Use after ventilation.

## About Customer Services

### About Customer Services

This warranty gives you specific legal rights for one year from the date of original purchase against electrical and mechanical defects in material and workmanship in normal operation. This warranty does not cover defects or damages due to misuse of customer or Act of God even within the guarantee period.

**All warranties are rendered void in the case of (at customer expense):**

1. Damages caused by putting foreign objects (such as water, soft drink, coffee, or toy, and etc.) in product.
2. Damages caused by transportation or handling.
3. External damages caused by oily pollution such as benzene, or thinner.
4. Damages caused by incorrect power supply.
5. Breakdown or loss of parts caused by disassembling and modification.
6. Repair or replacement undertaken by unauthorized persons.
7. Damages caused by the non-observation of the instructions provided.
8. Damages caused by the improper use of consumer.
9. Damages caused by operating the product in a corrosive atmosphere.

**VK-401 (NEW)**

The company reserves the right to make changes to the exterior, design or specifications of this product without notice to improve the quality.

Model	VK-401 (NEW)
Powe supplyr	AC 220V/50Hz
Capacity	66m <sup>2</sup>
Weight	13Kg
Size	600 x 400 x 126 mm
Power consumption	80Watt

## Limited Warranty

### Services

- According to the Regulation of the Consumer Damage Compensation, INB Inc. warrants the followings for this product.
- In case of breakdown, contact the dealer you purchased.  
(If you are not accessible to our agency, please contact our customer service.)
- It is our rule to respond to any claims of consumer within 7 days from the requesting date and the damage compensation will be done as soon as possible.

Product name		Model	
Date of Purchase	Date    month    year	Serial number	
Name of dealer		Remark	

### Services free of charge

This product is warranted for one year from the date of original purchase if the unit fails to function.

Damages	Compensation	
	Within warranty period	After warranty period
Breakdown within 7 days	Replacement	
When functional or mechanical defects are occurred within 1 month from the date of purchase.	Free of charge	
When same defects occurred up to 3 times	Free of charge	Paid service

We maintain related parts for 5 years.

### Paid service

- ① Non-defective goods  
The service fee may be charged at our discretion for our service and returned parts that are found not to be faulty. Therefore, you have to read carefully the instruction provided before you call for service. (In case when the repair is not possible, it will refer to the separate standard)
- ② When the damages occurred by misuse of the consumer, we will not be responsible for:  
/damages by the consumer's misuse, repair or assemble.  
/damages by the repair performed by non-authorized personnel  
/damages as a result of improper power supply (for example use 220V instead of 110V)  
/damages by shock or fall when moved after installation  
/parts, including filters not supplied or designated by the INB Inc.
- ③ This warranty does not cover the following cases.  
/damages occurred due to acts of God (such as fire, flood and etc.)  
/When replacement time is overdue.

# INBair

This limited warranty is not re-issuable, please retain it with owner's manual in safe place.



Manufacturer : INB air Co., Ltd.

Address : 601, Dong-il techno-town 1 cha, 826, Guro-dong,  
Guro-gu, Seoul, Korea

Contact : Tel: +82-2-855-9615, Fax : +82-2-855-9618

E-mail : [james@inbttec.com](mailto:james@inbttec.com)

Customer center : tel +82-2-855-9615