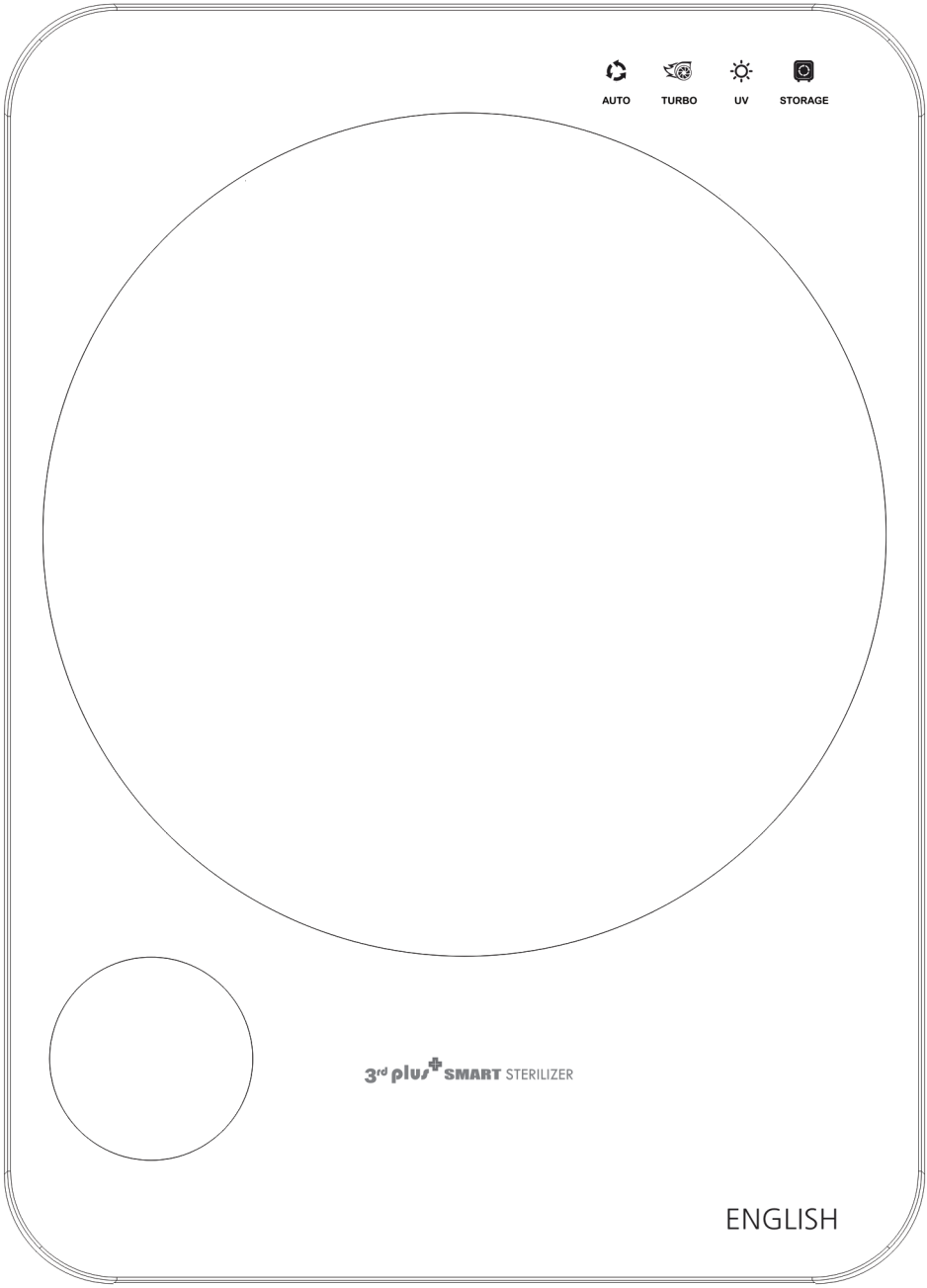
3G Plus Haenim Sterilizer Manual
(HN-03+)



ENGLISH

IMPORTANT SAFEGUARDS

When using an electric appliance, basic safety precautions should always be followed including the following:

READ ALL INSTRUCTIONS CAREFULLY BEFORE USING THE UV STERILIZER AND
RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

To reduce the risk of fire, electric shock, or personal injury when using your product,
basic safety precautions should be followed, including the following:

UV LIGHT PRECAUTION

Direct and overexposure to UV light can cause permanent eye damage.
The unit is built with UV rated material and safety mechanism to prevent exposure to ultraviolet radiation.
Below instructions should be carefully followed to avoid hazard and health risk.

1. Never look at UV lamp during operation either directly or through mirrored glass.
2. Panel door should always remain closed during operation.
3. Do not temper the door's auto-shutoff safety mechanism or attempt to operate the unit with panel door.
4. Always stop the full operation from control panel before opening the door.

- Prior to use, ensure that you are connecting this product to a dedicated, properly grounded electrical outlet rated for use with this appliance (220~240V, 50~60Hz, AC only).

- Each heating appliance provided with a 2-wire polarized attachment plug shall be provided with the following instructions or the equivalent: This appliance is equipped with a polarized plug (one blade is wider than the other). To reduce the risk of electrical shock, this plug is intended to fit into a polarized outlet only one way. If it does not fit. Contact a qualified electrician. Do not modify the plug in any way.

- A short power cord has been provided to prevent the risk of it becoming tangled or being tripped over.

- Extension cords may be used if care is exercised in their use.
  a) The marked electrical rating of the extension cord should be at least as great as the electrical rating of the appliance.
  b) The longer cord should be arranged so that it will not drape over the countertop or tabletop where it can be tripped over, snagged, or pulled on unintentionally. (especially by children)

- Always unplug from outlet when not in use, before appliance maintenance cleaning and replacing lamp bulbs. Always power off the appliance before unplug.

- Do not operate this appliance with a cord or plug damaged or came in contacted with water.

- Do not operate this appliance if it has been malfunctioned or damaged in any manner, or fallen into the water. Please contact a service center immediately.

- Do not let cord hang over edge or table or counter, or touch heated surfaces.

- Never use the cord as a handle, close a door on the cord, or pull cord around sharp edges or corners. Do not run equipment over the cord.

- To disconnect, grip plug and pull from the wall outlet. Never yank on the cord.

- Do not handle the plug or the appliance with wet hands.

- Always turn off all operations before unplugging the appliance.

- To protect against electrical shock do not immerse cord, plugs or appliance in water or other liquid. Do not place or store product where it can fall or be pulled into a tub or sink.

- This appliance is not intended for use by children or persons 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.
  Close supervision is necessary when the appliance is operating near them.

- Keep this appliance in an area that is out of reach of children.
  Children should be supervised to ensure that they do not play with the appliance.

- Do not use the appliance other than intended use.

- Never use any accessories or parts from other manufacturers that are not specifically recommended for this appliance.
  In such case, this appliance's warranty will be voided.

- HOUSEHOLD USE ONLY. DO NOT USE FOR OUTDOOR.

- There are no self-serviceable parts inside the appliance.
  Do not attempt to open, service, or repair the sterilizer yourself.
  All servicing should be performed by an authorized service representative.
  Failure to do so shall void any warranty, stated or implied.

- Always place the appliance on a level and firm surface.

- Never move, tilt, or open the appliance door when in use. Always power off and unplug before moving.

- Never place any items on top of the appliance.

- Only sterilize products that have been approved for sterilization and can withstand a moderate level of UV light exposure.

- Never insert any object into the vent, holes, or any opening.

- Do not use any chlorine or harsh chemical to clean the appliance. It may cause potential damage to the unit.

- Always place the appliance at least five inches distance from the back of the appliance to the wall to leave sufficient space for air vent circulation.

- Always wipe off the dry water spots after each use on the interior space.
  Dry water spot can hinder the performance of the UV lights and can also cause the damage to the stainless steel interior.

- Wash and rinse the air filter once a month to ensure quality air filtration for the appliance.

- Do not overload the products inside the appliance. Always leave sufficient space between objects to ensure good exposure to UV light during operation.

- Do not reach for an appliance that has fallen into the water. Unplug the appliance from outlet immediately.

- Do not place the appliance near any heating source such as stove, oven or heater, or expose under direct sunlight.

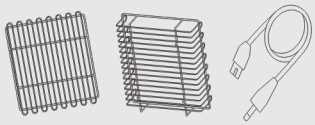
- Do not operate the appliance where an aerosol product is being used or when oxygen is being administrated.

- If you suspected a gas leak in the area, unplug and ventilate the appliance immediately.

CHECKING FOR USE

Components

Shelf , Basket , Power cord

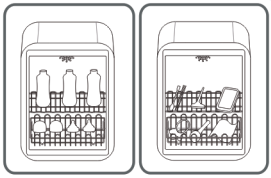


Description

Model	HN-03
Size	295(W) x 375(D) x 415(H) mm
Rating	AC220~240V 50/60Hz
Consumption	220V 120Watt
Type	PTC Heater / UV lamp
Weight	5Kg(N.W)

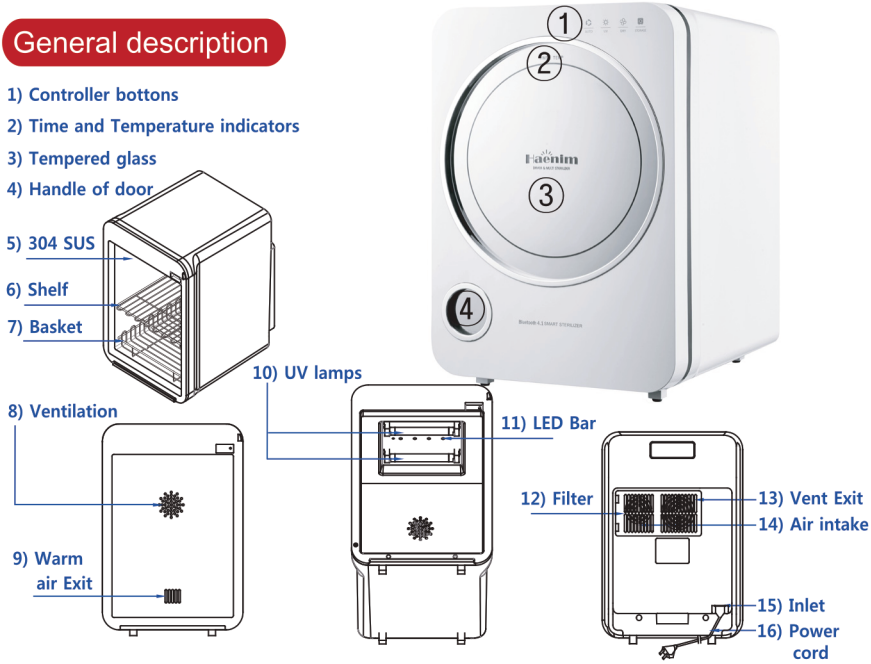
Using the shelf and the basket

Assemble the shelf at the upper level, and place the basket at the bottom. Place the bottles at upper shelf with the opening facing upward.



General description

1) Controller bottons
2) Time and Temperature indicators
3) Tempered glass
4) Handle of door
5) 304 SUS
6) Shelf
7) Basket
8) Ventilation
9) Warm air Exit
10) UV lamps
11) LED Bar
12) Filter
13) Vent Exit
14) Air intake
15) Inlet
16) Power cord



WARNING & LAMP TROUBLE SHOOTING

WARNING: To minimize exposure to the germicidal UV-C bulbs,

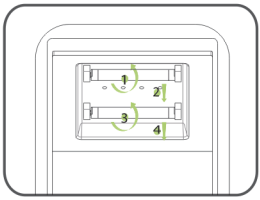
Actions to take to prevent broken bulbs:
- Switch off and allow a working bulb to cool before handling
- Screw or unscrew the bulb by holding the plastic or ceramic base, not the glass tubing.
- Never forcefully twist the glass tubing.
- You can consider using a drop cloth (e.g., plastic sheet or beach towel) when changing the bulb in case a breakage should occur. The drop cloth will help prevent mercury contamination of nearby surfaces and can be bundled with the bulb debris for disposal.

In the event a bulb should break proper care should be taken:
Don't be alarmed; the steps outlined below are only precautions that reflect best practices for cleaning up a broken bulb. Keep in mind that bulbs contain a very small amount of mercury -- less than 1/100th of the amount in a mercury thermometer.

1.Turn off the appliance immediately.
2.Move all pets and children away from the broken bulb.
3.Air out the room for 5-10 minutes by opening a window or door to the outdoor environment.
4.Shut off the central forced air heating/air-conditioning system, if you have one.
5.DO NOT USE VACUUM to clean broken bulbs and mercury residues.
6.Use stiff paper, cardboard, or sticky tape to clean the glass and mercury residues.
7.Use gloves, wet paper towel, sticky tape, and disposable trash bags to carefully clean up the area.
8.Repeat wiping the area with clean wet paper towels until clean.
9.Carefully tie off trash bag.

SAVE THESE INSTRUCTIONS

LAMP TROUBLE SHOOTING



UV lamp doesn't light up (blue light)
Make sure the power cord is plugged into the outlet.
Make sure the UV button is turn on.

LED lamp doesn't light up (red light)
Make sure the power cord is plugged into the outlet.
Make sure the UV button is turn on.

UV Lamp replacement
Our sterilizer is equipped with not only one but two very high quality Italian-Made UV lamps by OSRAM GMBH/HNS4WG5.
Third lab test report has shown 99.9% bacteria killing when use as directed and with the same equipped UV lamps.
Each UV lamp life span is approximately (6months ~ 1years) according to the manufacturer.
But if you do think it's time for lamp replacement please follow the instruction below.

Uninstall
Always unplug the appliance before replacing the light bulbs. With a good grip of the bulb,
twist the buld 45 degrees downward. Pull to lower the entire bulb down to free it from the socket.

Install
Caution : Do not touch the glass portion of the UV lamp with bare hands. Use cotton gloves. If you do touch the glass clean it with lint free cloth. Grease or residue on the UV lamp can potentially affect the performance of the bulb.

To install the new light, line its prongs up with the slots in either socket. Push the tube straight up into the sockets, and then rotate it 45 degrees until you feel it lock into place. You can give the lamp a gentle tug to ensure that it is firmly in place.

Using method the buttons.

○There are 4 buttons and the indicators turn off before operation.

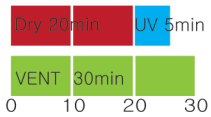
○Start the operation if you touch the buttons.

AUTO Button

There are the Auto mode1 , mode2 and mode3 a and has the dry and the UV functions.

Auto button , touch one time
Dry 20min , UV 5min
(Ventilation 30min)
Total 30min operation

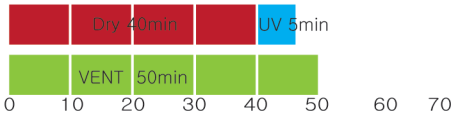
AUTO mode1 : Touch one time
If you want to dry and the UV function in a short time.



Notice!
To improve the drying power, Before operation, shake 3~5times the cleaned bottle or other products.

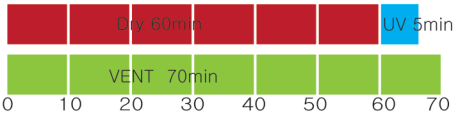
Auto button , touch two times
Dry 40min , UV 5min
(Ventilation 50min)
Total 50min operation

AUTO mode2 :Touch two times
After operation Auto mode1, there are still the water.



Auto button, touch three times
Dry 60min , UV 5min
(Ventilation 70min)
Total 70min operation

AUTO mode3 :Touch three times
After operation Auto mode2, there are still the water.



TURBO Button

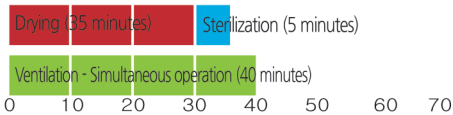
This mode performs drying and sterilizing rapidly with selection of (TURBO 1 / TURBO 2 / TURBO 3) courses available.

Drying (10 minutes) /
Sterilization (5 minutes) /
Ventilation–Simultaneous operation (20 minutes)

Activates if TURBO button is pressed once. /
When both drying and sterilization are needed in a short time.

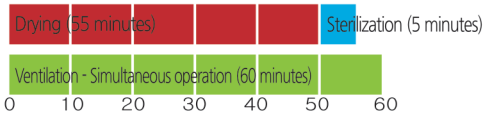
Drying (35 minutes) /
Sterilization (5 minutes) /
Ventilation–Simultaneous operation (40 minutes)

Activates if TURBO button is pressed once. /
When both drying and sterilization are needed in a short time.



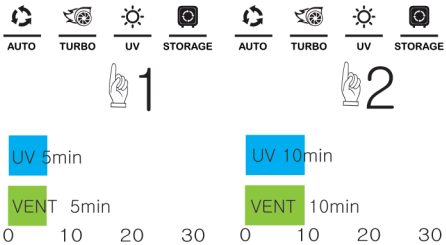
Drying (55 minutes) /
Sterilization (5 minutes) /
Ventilation–Simultaneous operation (60 minutes)

Activates if TURBO button is pressed thrice. /
When both drying and sterilization are needed in a short time.



UV Button

There is only UV function
and use when you don't need the dry function.

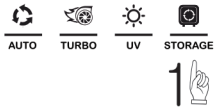


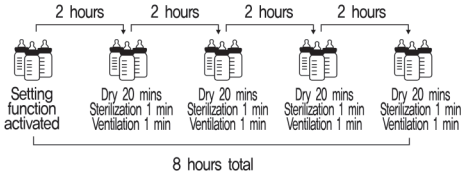
Notice!

The UV lamp smell and the bottle change the color after operating the UV function.
It is no problem and result of the sterilizing power.

This product may cause interference to radio equipment and should not be installed near maritime safety communications equipment or other critical navigation or communication equipment operating between 0.45-30 MHz. Variations of this language are permitted provided all the points of the statement are addressed and may be presented in any legible font or text style. This device complies with Part 18 of the FCC Rules.

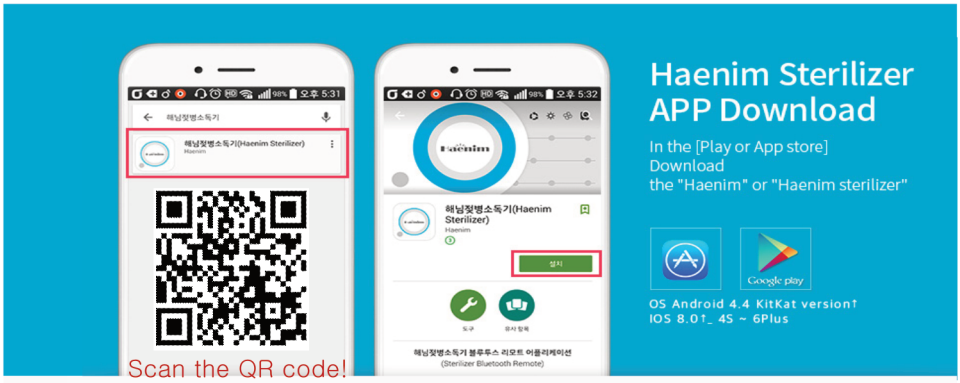
STORAGE Button

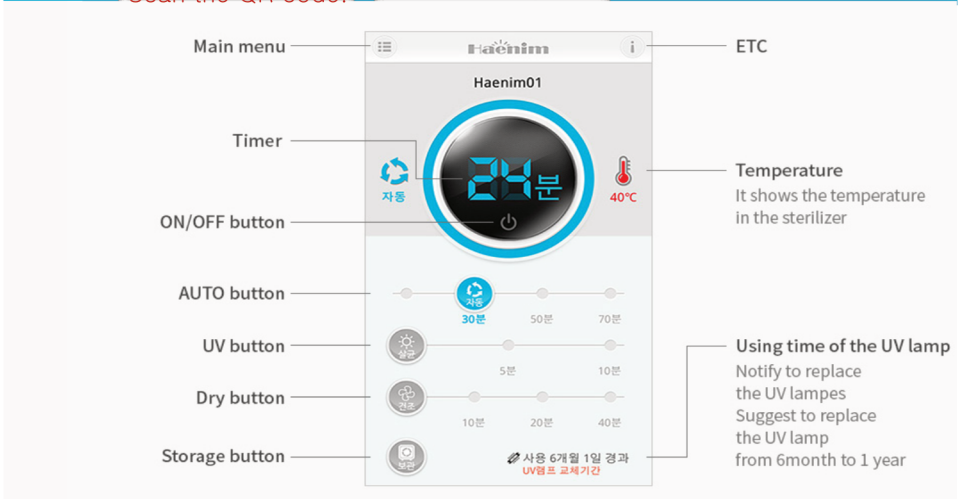




Bluetooth APP Download

Search "Haenim Sterilizer" in the Google Play or Apple App Store and the download the APP file.





FCC Information to User

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is con-nected.

• Consult the dealer or an experienced radio/TV technician for help.

Caution

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance Information : This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

IMPORTANT NOTE:

FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

CONTACT INFORMATION

Manufacturer Address : 15, Saryeom-ro 21beon-gil, Seo-gu, Incheon , Republic of Korea
To locate in-country Haenim Co.,Ltd.
please refer to the Haenim Co.,Ltd.
These distributor(s) represent local contacts for this product.

CORPORATE HEADQUARTERS:

Haenim Co.,Ltd.
15, Saryeom-ro 21beon-gil, Seo-gu, Incheon , Republic of Korea
Tel: +82-32-324-6614
Fax: +82-32-324-6615

This device complies with Industry Canada license-exempt RSS standard(s).
Operation is Subject to the following two condition: (1) this device may not cause interference ,and (2) this device must accept any interference, including interference that may cause undesired operation of the device.