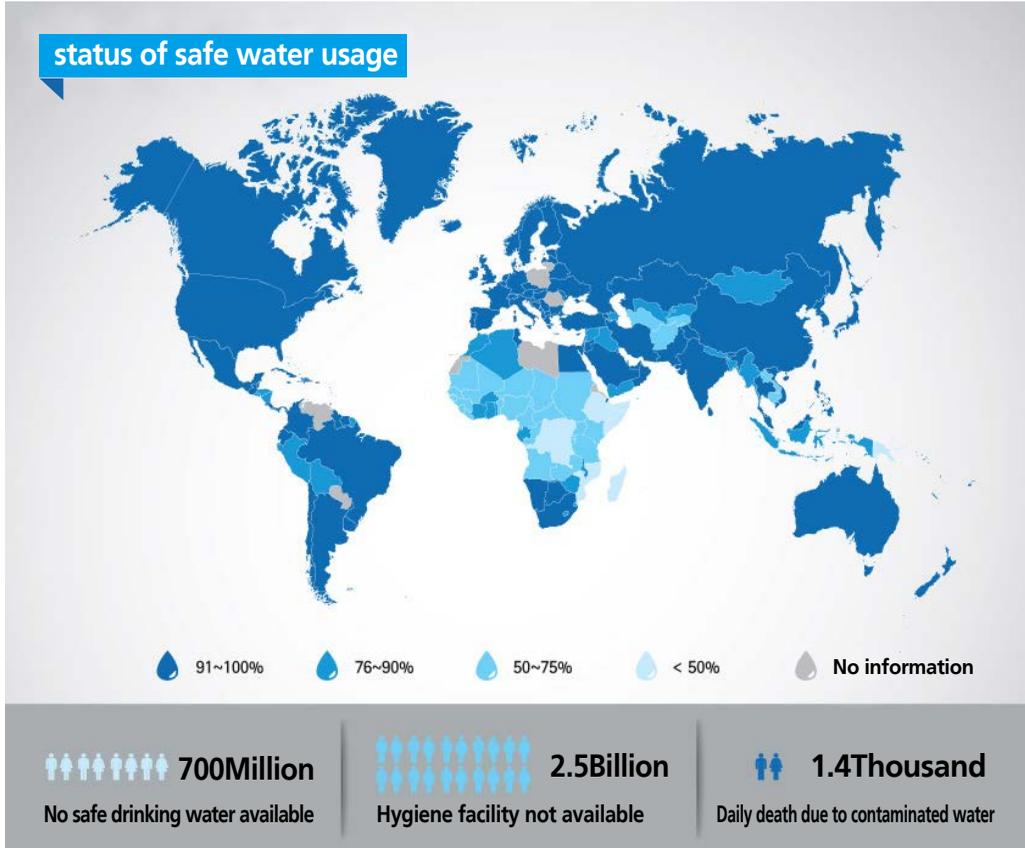




The Current State of Global Water Use



Examples of waterborne diseases

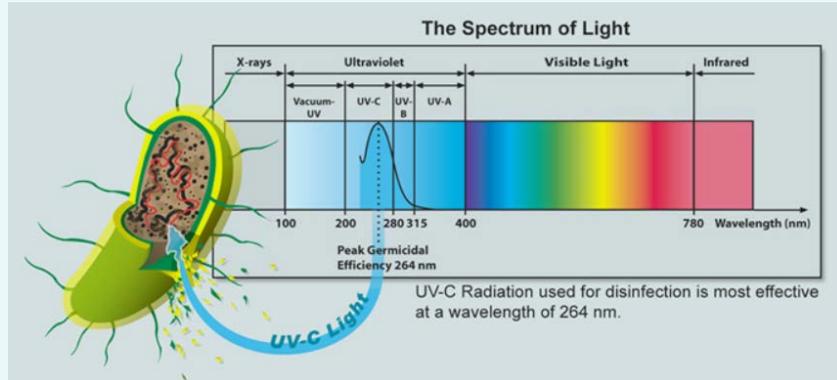


- E. coli - Its bacteria that cause food poisoning such as abdominal cramps and diarrheal
- Salmonella typhi - It's causative agent to diseases example typhoid
- Schistosoma - It's parasitic flatworm that cause infection termed as schistosomiasis
- Cholera vibrios - It's a bacteria that causes cholera
- Hepatitis A - It's a virus that causes infection like the inflammation of the liver



How Does UVC-LED Sterilize?

UVC-LED emits a short ultraviolet (UVC) in the 270 nm band. This UVC light effectively destroys the DNA of harmful germs such as viruses, bacteria and prevents them from multiplying. There is no side effect and safe sterilizing power can be obtained by UVC-LED light. PuriLight can sterilize more than 99.9% of harmful bacteria (Escherichia coli) either in water or on surface of an object within 2 minutes.



Product Image and Parts



Size(mm) : 177 x 172 x 253H

Product components and Assembly procedure

 **Components :** Main body, Water Container, Rotary Knob, Screws, and User Guide Book (inside Water Container)

Tip: It is convenient to use a mobile phone charger (USB 5pin).

How to Assemble :

- 1 Insert the rotary knob into the manual generator tab as shown the previous page.
- 2 Align the hole of the tab with the hole of the rotary knob, insert the screw, and fix it with the nut.

* It is enough to fix it by hand.

Operating Method of Sterilization Mode



Precautions

- 1 Use water that looks transparent and clean in your eyes. Do not use opaque or cloudy water.
- 2 Fill the water below 2 liter line indicated on the water container.
- 3 When sanitizing personal hygiene products(toothbrushes, cups, cell phones, tools, etc.), only the area exposed to the light is sterilized. Therefore, it is recommended to sterilize both sides of the products.
- 4 If the LED timer flashes during manual operation, increase the rotation speed.
- 5 Only when the water container is properly assembled to the main body, the sensor operates and sterilization mode is activated.
- 6 Blue light is intended for visual effects and is harmless to the human body. UVC light is invisible but may be harmful to the human body (especially the eyes). However, UVC light does not travel through the water container when used in proper manner specified in the user guide, so it is safe.

Operation Sequence

- 1 Separate the water container from the main body and put water or personal objects to sterilize. Water should not exceed the 2-liter line marked on the water container.
- 2 Tighten the water container to the main body.
- 3 • When using external power (5V USB power)
When water container is fastened to the main body, the bucket lights up blue and the LED timer starts to operate to sterilize. When the timer is complete, the blue light turns off automatically.
• When external power is not used
Turn the handle to use it manually. When the handle is turned, the LED flashes in blue in the water container and the LED timer operates. Turn the handle continuously to sterilize until the timer is complete and the blue light turns off. If it is interrupted for a while in the middle of sterilization, please make sure to turn the handle for a total of 2 minutes or more for complete sterilization. The LED timer will blink if the rotation speed is not sufficient. In this case, you must turn the handle faster.
- 4 When sterilization is complete, remove the water container from the main body and use sterilized water or personal hygiene products.

Operating Method of Sterilization Mode



1 Remove the water container from the main body.



2 Pour the water below the 2 liter line.
* Caution: It is recommended to use transparent water with naked eye.



3 Turn the handle a little faster.
* Note: If the LED timer blinks, increase the rotation speed.



4 When the timer (2 minutes) is complete and blue light is off, then, remove the water container and drink water.

How to Utilize Sterilization Mode



If power is available, connect 5V USB power.



Five LEDs are turned on sequentially



Personal hygiene products can be sterilized including water.

※ Caution: Only the part exposed to the light is sterilized. It is recommended to sterilize both the front and back sides of the personal hygiene products.

Operating Method of Lighting Mode



Precautions

- 1 It is convenient to use when external power is connected.
- 2 It is recommended to use for emergency lighting for manual power generation.

Operation Sequence

- 1 Remove the water container completely or slightly (1cm or more) from the main body.
- 2 • When using external power (5V USB power)
Lighting mode works right away.
You can adjust the on/off of the light by turning the rotary knob slightly.
• When external power is not used
It will emit light only when the rotary knob of the manual generator is turned

How to use Lighting Mode



1 The light is on when the water container is separated by 1 cm or more



2 Also, you may separate the container completely.



3 You can use for indoor lighting and reading.



4 You can adjust the on / off of the light by turning the rotary knob slightly.

Cautions for Safe Use

- 1 Be sure to read the user guide carefully before use.
- 2 UVC light may be harmful to human body or human eyes. Be sure to use it in accordance with the user guide.
- 3 Do not modify or disassemble this product arbitrarily.
- 4 If the blue light does not turn on or the timer does not work in sterilizing mode, refer to Troubleshooting guide in the manual.
- 5 Do not put hot water in the water container.
- 6 Be careful not to break the product, as the water leakage can cause damage to the internal circuit of the product.
- 7 Do not use a different water container other than the supplied one.
- 8 When using external power, use 5V output, USB micro 5pin connector.
- 9 Do not leave it in operation to prevent any safety accident.

Care and Cleaning

- 1 If not used for a long time, discard the water completely from the water container and keep it dry and clean.
- 2 Clean the water container regularly to keep it clean.
- 3 If the UVC light window is dirty, remove the foreign matter with a soft cloth.
- 4 If the main body is dirty, wipe it with a soft cloth. Never put it in water.

Troubleshooting

- 1 Check if external power is connected properly.
- 2 Check whether manual power generation works properly in lighting or sterilization mode.
- 3 If the product does not emit blue light when sterilizing mode is in operation, try to tighten the water bottle back to the main body.
- 4 If the problem can not be solved, please contact us. The contact information listed inside the user guide.

Specifications

- 1 Model : SLUV-01
- 2 Size(mm): 177x172x253H
- 3 Power consumption(W): sterilization mode, 4W/ lighting mode, 2W
- 4 Input power: DC 5V ((USB micro 5pin)
- 5 Water container material: PC
- 6 Body material: PC, ABS
- 6 Weight: 1.6kg

