

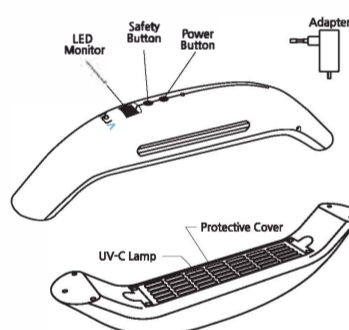
## Vray - Wireless UV Sterilizer Instruction Manual

### 1. Product

HamiltonBuhl's Vray is a wireless UV Sterilizer that is safe, convenient, easy to use and keeps you and your family healthier by killing the bacterium that cause diseases. Vray sterilizes 99.9% of common bacteria such as Colon Bacillus, Klebsiella Pneumoniae, Pseudomonas, Staphylococcus Aureus, Staphylococcus, and [MRSA] in just 5 seconds. It can sterilize against the Influenza A virus, Adenovirus, Human Rhinovirus, and Human Coronavirus. Vray also detects direct exposure to UV radiation and prevents any possible exposure by shutting itself off automatically. Vray is the safe and easy way to sterilize items, such as: pens/pencils, scissors, desk/chair surfaces, books, staplers, laptop PCs, iPad, smartphones, rugs, toys, and more. Vray is convenient, cordless, portable, hands-free, lightweight and rechargeable.

- ✓ Effective Design
- ✓ High Quality
- ✓ Safe and Easy to Use

### 2. Components

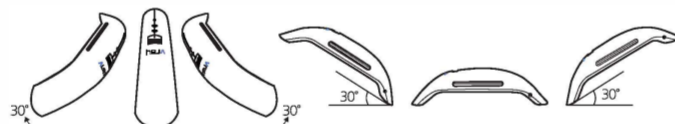


### 3. Specifications

**Model Number:** HYGENX-VRAY  
**Safety Features:** Safety sensor, Timer, Overcharge Protection Circuit, Over Discharge Protection Circuit, Overcurrent protection circuit, Safe UV lamp  
 Specialized coating prevents glass from shattering and keeps pieces of glass inside the coated lamp tube.  
**Size:** 19"W x 2.7"L x 4.3"H  
**Weight:** 1.11 lbs.  
**Lamp:** PHILIPS UV-C Lamp 8W with safe coating  
**Battery:** LG Li-Ion  
**Adapter:** 100-240V, 50-60Hz, 12V 2.0A  
**Charging Time:** Approx. 2 hours  
**Operation Time:** Approx. 3.5 hours  
**Please fully charge the unit before first usage.**

### 4. Safe Mode - Safety Sensor

A safety sensor has been added to this unit to detect the proper angle of the Vray, and protect from accidental exposure of UV-C light. Equipped with this safety sensor, Vray can detect when there is danger of light being exposed towards the user. Safe mode is the default status when Vray is turned on. In safe mode, Vray will automatically turn off when tilted 30 degrees in either direction. For the user's convenience, safe mode can also be turned off with the click of a sensor button for 2 seconds. When safe mode is off, the light will stay on, even if Vray is held at an angle.



### 5. How to use

When using Vray in portable mode, the most effective distance is 4" - 8" away from the item.

#### Safe mode ON

- 1) Push the power button for 2 seconds to turn the unit on. (Safe Mode is the default.)
- 2) Set the timer you want. 5, 10, 15 minutes. Default time is 5 minutes.
- 3) Place Vray over the area you wish to sterilize. (It will beep every 10 seconds during use.)
- 4) After using, push the power button for approximately 2 seconds to turn off.

#### Safe mode OFF

- 1) Push the power button for 2 seconds to turn on.
- 2) Push the safety button for 2 seconds to deactivate the safe mode. The light on the button turns off.
- 3) Place Vray over the area you wish to sterilize. (It will beep every 10 seconds during use.)
- 4) You can sterilize bulky items (desks, chairs, rugs, etc.)
- 5) When you are done, push the power button to activate the safe mode or push the power button more than 2 second to turn off.

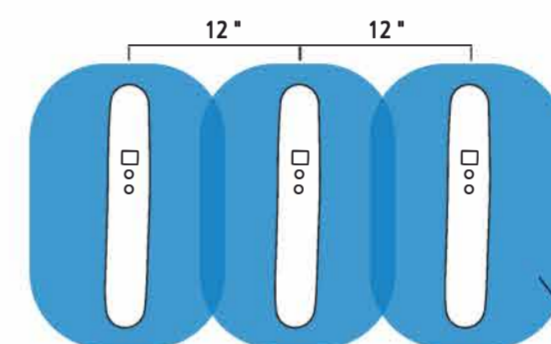
#### Charge

**Low Battery - 1st Alarm:** 'Lo (Low battery)' will appear on the LED monitor and the power button will turn red when charging is needed.

**Low Battery - 2nd Alarm:** If the battery remains uncharged after the 1st alarm, the red color on the power button will begin to blink.

**Charging:** A beep will let you know the unit is charging and the power button will be red.

**Charge Complete:** A beep will let you know charging is complete and the power button will turn off.



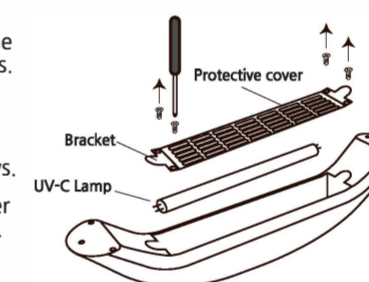
The focused sterilization area at once is about 12" - 20".  
 Use the Vray at intervals of 12" is recommended.

- Do not expose directly onto a person or any animal.
- Do not expose directly to eyes or skin.
- Keep out of reach of children.
- When using Vray in high areas such as on tables, shelves, etc. Please make sure children are not within UV ray range.
- Avoid direct sunlight and store indoors.
- Vray is not a waterproof product. If it is exposed to humidity or gets wet, it may cause the unit to break down.
- When cleaning the product, Do NOT use water or chemicals. Please wipe gently with a soft cloth.
- Do not use with wet hands.
- If you don't use Vray for a long period of time, please charge regularly.
- No disassemble the Vray by yourself. It causes a breakdown and danger. It is excluded from the technical support of Vray service center.



### 6. How to change your UV lamp

- 1) Loosen the screws of the bracket both sides of the protection cover and lift it up by using both hands.
- 2) Turn the lamp 90° to the right and remove. Insert a new lamp, and then turn 90° to the left.
- 3) Cover the protection cover and tighten the screws.
- 4) We highly recommend you to use the Anti-shatter PHILIPS UV-C Lamp 8W provided by PRIMETECH. Using other lamp may cause breakdown.



### 7. FAQ

- 1) **If Vray does not turn on**
  - Push the power button and hold for 2 seconds or more. This is part of the safety feature for children.
  - Retry after you have fully charged the vray.
- 2) **If the lamp doesn't turn on**
  - Please charge the Vray.
  - As safety feature, the lamp will automatically turn off when the main body is tilted for more than 30° degrees from a flat surface, please place the vray on the floor.
- 3) **If you hear a noise inside when you shake the Vray**
  - The sound is normal. The safety sensor makes that sound.

**One Year Limited Warranty**  
 Due to ongoing improvements, actual product may have slight variations from the product described in this manual.

[www.HamiltonBuhl.com](http://www.HamiltonBuhl.com)  
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 Printed in Korea for HamiltonBuhl®  
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