

GOLDENSEA UV


USER GUIDE




USER GUIDE- **WARNINGS**



 Improper use of this product may cause damage to skin and eyes

 This device may only be used by trained personnel

 Before operating this product the operator must read the user guide and be aware of all the risks associated with this product and best practices for using it

 Never enter the disinfection area when the product is in operation and the red LED is illuminated



SAFETY BY DESIGN

MOTION SENSOR

Lamp automatically shuts down if motion is detected

VISUAL INDICATORS

Red and Green LEDs will light up solid or flashing to provide a visual indication of the product's state

AUDIO ALARM

A built in alarm will provide audible tones to alert users to the different important events and states the product is in



SAFETY BY DESIGN

DELAYED START

Audio and Visual indicators during delayed start to allow operator to leave the disinfection area prior to lamp on

AUTO FALL PROTECTION

If the unit senses a larger than 45 degree tilt, power will automatically turn off to lamp

*UVS4, UVP36, UVM216, UVM900, UVAIR216 are fitted with this sensor



SAFETY BY DESIGN





SAFETY BY DESIGN



EVEN THOUGH ALL GOLDENSEA UV PRODUCT HAVE BUILT IN SAFETY FEATURES IT IS **ESSENTIAL** THAT ALL OPERATORS AND COMMERCIAL REPRESENTATIVES UNDERSTAND THE BEST PRACTICES AROUND USING THESE PRODUCTS!



USER GUIDE- **PREPARE**




1. Ensure unit is standing on a stable surface or mounted safely to the wall
2. Ensure the disinfection area is clear of **LIVING BEINGS PRIOR TO PROCEEDING**
3. Ensure you have a clear path to exit the area once unit is activated
4. Ensure you know how much time you have to exit the disinfection area. Different products have different delay start times. Refer to the Delay Start Time chart on [page 27](#)
5. If the door/s to the area to be disinfected have significant gaps around the frame find an item to block the gap and place it near the door for use on exit
6. Locate the supplied UV protective eyewear and put them on
7. Even though you must never be in the disinfection area when the unit is irradiating, it remains best practice for the operator to also wear nitrile gloves and tightly woven clothing which covers all exposed skin.
8. Locate the supplied warning sign and hang it on the outside of the exit door
 1. If there is more than one entrance/ exit to the disinfection area, place additional signs at these doors
9. Locate the supplied remote control and keep it on you or store it in the remote control pouch affixed to the warning sign





USER GUIDE- **SETUP**




1. Plug the unit into an electrical outlet, do not modify/ alter the electrical connection of the product in anyway
2. Turn on the product by setting the I/O rocker switch to I. The green LED will illuminate. The unit is now ready to be programmed. The UVC tubes are NOT illuminated at this time
3. Where possible use the included remote control and move to the door in preparation for activation
4. Select the appropriate disinfection time by pressing the relevant button
5. Before pressing start  reassess the area, make sure there are no living beings in the area and that your path to exit is clear





USER GUIDE- **ACTIVATE**



1. Press the start button 
2. Once the start button is pressed an audible alarm will sound and a red LED light will flash for the duration of the delayed start time
- 3. YOU MUST EXIT THE DISINFECTION AREA IMMEDIATELY**
4. Once the delayed start time has ended, the tubes will activate and the red LED light will illuminate for the duration of the disinfection process
5. During emission there will be an audible ping every 10 seconds until the emission time is over



USER GUIDE- END OF CYCLE




1. Once the disinfection process has ended, the red LED light will turn off and be replaced by the green LED light. This will indicate that it is now safe to enter the room
2. Upon entering the room, open windows to ventilate area
 1. You may encounter an unusual smell which is a normal result of the disinfection process and is not harmful
3. If using a mobile product return the unit to its safe storage location
4. Remember to return the UV Warning Sign, Remote control and UV Glasses to their storage location



USER GUIDE- INTERRUPTION OF CYCLE



1. If the disinfection cycle is interrupted due to the motion sensor being activated, the unit will sound an alarm tone until an operator resets the unit
 1. The unit may be reset by selecting the relevant timing cycle followed by the start button 
 2. The unit will now go through the delay start process and then begin the cycle
 3. You may also restart the unit using the remote control
2. If the disinfection cycle is interrupted due to a power outage, no alarm tone will sound. Once power returns the disinfection cycle will need to be restarted as per previous instructions



USER GUIDE- INFO



1. Unit is most effective when placed in line of sight of surface to be disinfected
2. Ensure placement of unit allows for greatest coverage
3. If necessary add more units at different points in the disinfection area
4. Shaded areas are likely not to be disinfected
5. UVGI disinfection is most effective when added to existing disinfection protocols
6. Best practice is to complete manual disinfection protocols prior to UVGI activation
7. UVGI disinfection alone will not disinfect an entire area



REMEMBER



**NEVER ENTER THE DISINFECTION AREA WHEN THE PRODUCT IS
IN OPERATION, THE ALARM BUZZER IS SOUNDING AND THE
RED LED IS ILLUMINATED**





PRODUCT AUDIO/ VISUAL INDICATORS



STATUS	AUDIO	VISUAL
Ready to operate	-	Green LED- solid
Delayed Start	Continuous	Red LED- flashing
Disinfection	Single ping per 10 seconds	Red LED- solid
Motion interruption	Dual ping per 10 seconds	Red + Green LED- flashing
End of cycle	Triple ping, 3 times	Green LED- solid
Fall protection mode	Quadruple ping per 10 seconds	Green LED- flashing

*

* Subject to change



AREA/ TIME DISINFECTION CHART

*	5 mins	10 mins	30 mins	60 mins	120 mins
UVS4	-	-	1 m ²	2 m ²	4 m ²
UV-BOX [^]	200 cm ²	200 cm ²	200 cm ²	-	-
UVP36	-	-	10 m ²	20 m ²	40 m ²
UVL72	-	-	20 m ²	40 m ²	80 m ²
UVL150	-	-	40 m ²	80 m ²	160 m ²
UVL220	-	-	60 m ²	120 m ²	240 m ²
UVT72	-	-	20 m ²	40 m ²	80 m ²
UVM216	-	-	60 m ²	120 m ²	240 m ²
UVM900	-	-	240 m ²	480 m ²	960 m ²

* Disinfection Area/ Time calculated based on a room height of 2.5m and targeting x pathogen. Different variables will result in changed area sizes. Please consult the GOLDENSEA UV Calculator for more information.

[^] Box has a surface area 200 cm² and 5 mins is enough time destroy/ neutralise all know pathogens at present. Longer disifection times are there for future use.



DELAY START TIME CHART

	Delay Start Time
UVS4	30 seconds
UV-BOX	n/a
UVP36	30 seconds
UVL72	2 minutes
UVL150	2 minutes
UVL220	2 minutes
UVT72	2 minutes
UVM216	3 minutes
UVM900	3 minutes

GOLDENSEA UV

END