

Thank you for purchasing your

HQ Air

Personal Unit



Operational Instructions

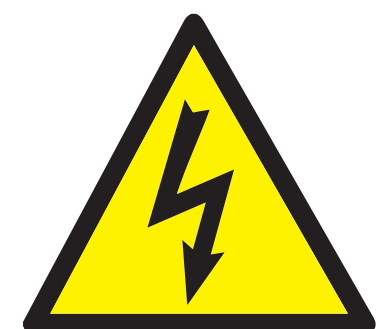
Your Personal unit is ideal for small to medium spaces such as home and work, conference rooms, waiting rooms, classrooms, etc. The device should not be operated in a closed space with no air exchange. With 1 air exchange per hour, the ideal surface area should be 30 to 60 m². The device can treat up to 60 m² assuming a 3m ceiling with an air exchange of 3 times per hour and 10% fresh air. The effective treatment area will vary depending on demand and conditions of the treatment area. It will be less than 60 m² if air exchange is higher, the fresh air percentage is greater, or the ceiling is higher.

The hydroxyls generated by the Personal unit will destroy bacteria, viruses, mould, allergens and odor from the air. Surfaces in the operating area will also be treated, reducing or eliminating these contaminants. Your Personal Unit is designed to help protect you and your environment.

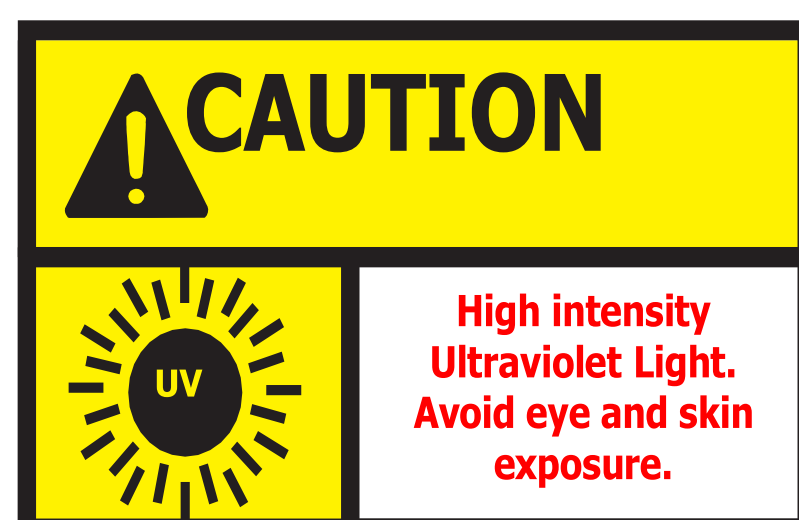
NOTE: HGPU is an acronym for Hydroxyl Generator Personal Unit, and it is referred to as either Optic Assembly or HGPU in this user manual.

Safety Warnings - Please read and save this manual.

- Skin or eye damage may result from direct exposure to the light/UV source in this apparatus.
- Do not look at the light directly.
- Do not expose skin to the light.
- Device must be turned off before unplugging from the mains.
- Disconnect/unplug power before removing the cover, replacing HGPU or servicing.
- The device is not intended to be used in wet/pooling environments.
- The device is not to be used by children, nor should children be permitted to play with the device.
- The device is not to be used by people with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instructions.
- AC or DC power input must only be supplied with a voltage corresponding to the markings on the device.
- If the device is obviously damaged, it must not be operated.
- Keep objects away from moving parts.
- Keep liquids away from the appliance and do not wash.
- Do not expose UV sensitive materials to the light.
- Always replace the UV source with parts supplied by the manufacturer.



High Voltage Components



Getting Started

Quick start:



To start the Personal Unit, Press and hold the **power** button for 4 seconds



The Personal unit also has a built-in timer, if you would like to adjust the timer, the fan speed or OH (hydroxyl) strength, use the menu button **M** to move through the menu as shown above.



Once you see the **timer** as displayed you can adjust the settings using the **Up** & **Down** arrows



Using the Up arrow, you can set the **timer** to off as displayed.

Frequently Asked Questions (FAQs)

What are hydroxyls?

Hydroxyls (HO•) are naturally occurring radicals. They are created in our atmosphere when the sun's ultraviolet rays react with water vapor in the air. Hydroxyls are an important agent that scrub and cleanse our planet's environment. Personal unit Hydroxyl Generators replicate this naturally occurring process and bring it indoors.

How do hydroxyls clean surfaces and hard to reach places?

Once the hydroxyls are created, they are sent to 'seek and destroy' odor molecules, bacteria, viruses, mould, VOCs and other chemicals.

This system does not require all the contaminants within a room to pass through the processing chamber. Outside the unit the hydroxyls immediately begin a cascade reaction in the air, thus creating even more hydroxyls. The cascade of hydroxyls quickly dispersed throughout the air and penetrates surfaces and objects and reaches places that otherwise can't be reached. Other technologies only clean or filter the air that passes through the unit (a small percentage of the air in a room).

How does it kill mould?

As well as directly destroying spores, the Personal system treats infected areas by cutting off the food source for mould. As a result, there is nothing for mould to feed on since the very bacteria and micro-organisms that it relies on to survive have been killed off. Only this way can mould be rendered inert.

Are hydroxyl generators safe to run in occupied areas?

Hydroxyls generators are safe to run (and have been independently tested) in occupied areas. Unlike ozone and harsh chemicals, hydroxyls are completely safe for people, pets and plants. They will not damage rubber, plastic, leather, vinyl, electronics or other sensitive materials. They will also not bleach or discolor items - wet or dry.

How long does it take to work?

Hydroxyls are very fast acting and do their work through a chemical reaction. There needs to be a high enough concentration - If there is no noticeable reduction in odor, a second or stronger unit may be required. Results are often noticed within the first few minutes of operation, with heavy odors being permanently eliminated after 3 – 4 days.

Do hydroxyls smell?

Hydroxyls themselves don't have any smell. When hydroxyls interact with the environment, that may create some odor. If the odor is too strong, turn the fan speed on your Personal unit to lower settings. The odor may be stronger initially as a room is first treated.

The odour/mould I was treating is gone, will it come back?

Air and Surfaces will be fully treated. If the cause (urine, faeces, smoke, cleaning agents, mould, etc., is within/embedded in the material, the unit will need to be run until the source is exhausted or removed. You can also damp (wet) down the surface and re-treat to improve results.