

# Welcome to your Cleanbox<sup>®</sup> CX2<sup>™</sup>!



# Welcome

Welcome to your new Cleanbox<sup>®</sup> CX2<sup>™</sup> disinfection system for use with phones, tablets, and other electronics.

We congratulate you on your decision to stay clean and safe by utilizing an environmentally green product that generates no waste while also consuming very little power.

The OmniClean has been designed to effectively eliminate bacteria and viruses on anything placed inside it.

Thank you for purchasing this Cleanbox product. We hope that you will enjoy the many features it offers to keep your electronics clean and safe.

# Table of Contents

Packing List

Unboxing your CX2

Using your Nanotech

Centering your Headset

Operating the CX2 Unit

Damage

How to Pack for Travel

FAQ

Certifications & Warnings

Supplier's Declaration of Conformity

Independent Testing Procedures

## Packing List

- CX2 Cleanbox Unit
- Power cord  
The included cord is appropriate for the country to which the unit was initially delivered.
- One microfiber cloth
- Fabric Nanotech fluid in spray bottle, 2oz.

## Unboxing your CX2 Unit

- 1) Remove the power cord and nano from foam packing at the top of the unit.
- 2) Remove the literature packet from the top of the unit.
- 3) Remove the top foam insert. Discard.
- 4) Lift the CX2 from the box.
- 5) Plug your CX2 in the back and turn on the power.

You have successfully unboxed your CX2 unit!

## Using your Nanotech Spray

Your unit comes with enough nanotech fluids to keep your headset protected for more than a year. They make the interior surfaces of your headset(s) hydrophobic so that liquids and body oils will not penetrate the surface materials, making it very easy for the accelerated air system in the CX2 to dry those surfaces and remove any dried detritus left behind.

To prepare your headset for use, follow these simple steps:

1. If your headset has already been under heavy use, clean it thoroughly, getting the surfaces as free from dirt and grime as possible.
2. Use the “Velcro and Fabric” spray:
  - a) Spray any cloth, foam rubber or Velcro areas on your headset. Saturate thoroughly.
  - b) Let it dry until the surfaces are dry to the touch anywhere from 30 to 120 minutes, depending on how heavily you applied the textile coating. Overnight is even better.
3. Your headset is ready for use as soon as it is dry to the touch, but the nanotech coatings will continue to mature until 24 hours have passed. At that point, your headset will be completely protected with coatings that should last for many months.
4. You do not need to reapply for a long time. If you put a drop of water on the surface and it beads up and doesn't soak in, then the nano is still working and there is no need to reapply!
5. Your start bottle of nano should be more than enough to prepare at least 10 headsets. If some very sticky material (like makeup or candy) encounters the surface, you can usually use a dry microfiber cloth to clean the surface. General rule of thumb is: Wipe your headsets down with dry microfiber cloths daily or anytime you notice anything on a surface.

## Centering Your Headset

There are many different sizes and shapes of VR/AR headsets available currently. To accommodate them, we created an adjustable visor hanger so that you can easily adjust the up/down and front/back positions of your headset in relation to the UVC cone. This allows the lights to shine on the most important surfaces to disinfect and ensures that the air jets are hitting the most important surfaces to dry.

The adjustments are simple.

1. Center your visor properly: Be sure that the visor hangs properly around the UVC cone.
  - a) When looking from the front, the headset should be centered both left/right and up/down.
  - b) To adjust the up/down centering, loosen the top two thumbscrews on the visor hanger and move the hanger until the visor is centered. Then tighten the thumbscrews to retain that.

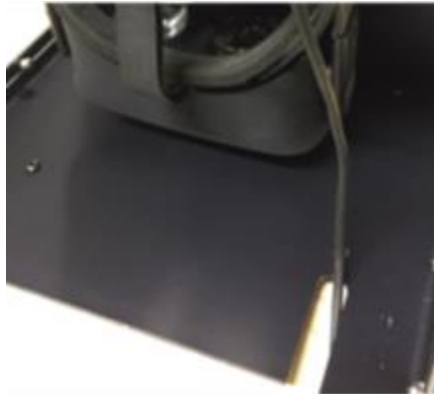


- c) When looking from the side, the visor should hang so that the edges of the visor are centered between the front and back edges of the white cone area.

# Operating Your CX2 Unit

The CX2 is simple to use. Follow the instructions below to make sure you're getting the most out of your unit.

1. Turn on the power of the unit by toggling the switch on the back of the CX2 to the “-“position. (The “o” position on that switch is the “off” position).
2. Open the door by turning the handle counterclockwise.
3. Turn the headset to be cleaned so the rear of the headband is pointing upward
4. Hang the headband on the Visor Hanger inside the CX2. Center the strap so that the lens unit hangs straight below the central Halo of the unit.
5. If the headset is tethered, be sure the cable tracks down through the cable notch in the bottom of the CX2 so that the door closes properly over it.



6. Close the door by turning the handle to vertical.
7. There is a green light lit showing through the front door of the unit. There is a silver button next to that green light. Push that silver button. (This is known as the “activation button”.)



8. The cleaning cycle is now engaged. For 60 seconds, the following will occur:
  - a) The green light on top of the box goes out a red one activates. This shows you that the cleaning cycle is in progress.
  - b) The accelerated air system runs for the entire 60 seconds, moving high-velocity air across all surfaces of the headset that need to be dried.
  - c) The UVC lights bathe the interior of your headset completely, corrupting the DNA of any viruses and bacteria there so they cannot replicate, making them unable to cause harm.
  - d) Ambient RGB lights turn from deep purple to a clean blue over the course of the cycle so that your guests have visual indication that the cycle is progressing.
9. After 60 seconds, the red light showing through the front door of the CX2 extinguishes and the green one is relit. The cycle is now complete.
10. Remove the headset from the CX2, which is now completely disinfected and dried for the next guest.



# Damage

Sometimes, despite the best precautions, damage happens. Here's what to do when things go wrong.

## Damage During Shipping

If your unit arrives to you with damage, please do the following:

- Take pictures of the packaging, showing any damage to the exterior of the box. Please show all sides of the box. **It is important that we are able to see the state of the shipping box when reviewing with customer service.**
- Take a close-up picture of the shipping label, showing the tracking number and all address information.
- If you can see the damage when you first open the box, please take a picture of the box with the damage showing and all the packing material intact.
- If you didn't see the damage until it was unboxed, please take a picture of that also, then also take a picture of the box with packing material inside.
- Lastly, please record the serial number. (Serial number is shown on the bottom of the unit toward the rear on a small white sticker.)

Please send those pictures and/or video, and a description of what is wrong with the unit, to customer [service-customerservice@cleanboxtech.com](mailto:customerservice@cleanboxtech.com). We will work to get this resolved for you ASAP.

## Product Arrives Intact but Doesn't Function Properly

If this happens, please take a video of the issue so that customer service can easily observe what is/is not happening. Send this video with a complete description of the problem to [customerservice@cleanboxtech.com](mailto:customerservice@cleanboxtech.com).

## Damage After Receipt

If your unit arrived safely, functioned properly, but then suffers damage during use, please reach out to [customerservice@cleanboxtech.com](mailto:customerservice@cleanboxtech.com). Even if your damage is not covered under warranty, we will work hard to get you a cost efficient resolution because we want you to have a functioning product.

## How to Pack for Travel

We highly recommend spending some time packing your unit properly before taking it on the road. The CX2 is a robust piece of equipment, but baggage handlers and shipping companies can be very rough, and you don't want your unit to arrive in a non-working state.

- 1) **Cleanbox offers a custom-fit, Pelican-style travel case that will keep your product safe during travel by auto or by plane.** Please contact [sales@cleanboxtech.com](mailto:sales@cleanboxtech.com) for more information.
- 2) If you don't have your travel case with you, pack your CX2 in a double-walled box. You want a robust container to prevent your unit from being damaged.
- 3) Eliminate all empty space by filling it with robust packing materials. This includes space inside the unit. The more "empty space" there is, the more the unit can shift around. Any shifting lets momentum build, which is how damage occurs. Pack the inside of the unit with bubble wrap or paper. Wrap the unit in bubble wrap and use corner protectors on the unit, if possible. Once the unit is in the box, fill every "empty space" with bubble wrap or peanuts. Do everything you can to eliminate the possibility of shifting.

## FAQ

- 1) Is the UVC light on all the time?
  - a) No! The UVC light is only on when you trigger a cleaning cycle by pushing the on button.
  
- 2) Are the purple and blue lights, the UVC light?
  - a) Just like germs, UVC is invisible to the naked eye so the purple light you see at the beginning of a cycle is the indicator light letting you know the cycle is running. The blue you see around the LEDs is the light that is naturally emanating from the LEDs.
  
- 3) Will the device keep running if I open the door during a cleaning cycle?
  - a) If you open the door while the cleaning cycle is in progress, a door switch trigger will cause the cycle to stop and lights will flash to let you know you didn't finish cleaning. The cycle can be restarted by closing the door and pushing the activation button again.
  
- 4) Can the UVC light harm me when I'm using the CX2 unit?
  - a) Cleanbox products use UVC LEDs (not UVA, UVB or other UV bulbs that may require special handling). Our proprietary UVC LED engineering is designed for a "cumulative dosage" that kills contagions without long exposure times. In addition, the short wavelength of UVC light used is completely contained by the unit, making it safe for you to use repeatedly.
  
- 5) Can UVC light harm the materials on the objects I'm cleaning?
  - a) Many people know that UVA (outside light) or UVB (as used with tanning beds) can penetrate glass or plastic and can cause damage to some materials. Cleanbox products use only UVC light which is not only a short wavelength of light completely contained by the unit, its cumulative dosage has also been independently tested on plastics, fabrics, lenses and other sensitive materials and determined to cause no visual or material impact.
  
- 6) How many amps does an CX2 unit draw?
  - a) Less than 2.8A per CX2 unit.

## Certifications & Warnings

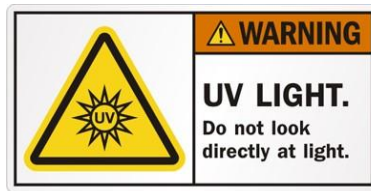


This product converts household current to 12V power for use by its various functions. As such, it is a high-power source and high electrical source and should be treated accordingly.

The Cleanbox CX2 rear enclosure is designed to be accessed by trained maintenance technicians only. Do not open this compartment without disconnecting all power sources.

The Cleanbox CX2 unit has one power inlet which accepts 100-240V, 50-60hz power sources.

**FUSE WARNING:** Use only a 5A, 250VAC fuse when replacing the fuse for any reason.



UV Light can be a skin and eye irritant if you are exposed to the light directly without any form of protection. However, the acrylic enclosure of the Cleanbox CX2 unit blocks all UV-C radiation. Do not circumvent the safety systems of the CX2 unit and you are safe.

This Cleanbox CX2, model number 01-01CX2, is rated to handle power input of 100-240V, 50-60Hz.

# Supplier's Declaration of Conformity

47 CFR § 2.1077 Compliance Information

Unique Identifier

Cleanbox CX2 Unit, model number 01-01CX2

Responsible Party

Cleanbox Technology, Inc.

222 2nd Avenue South

17<sup>th</sup> Floor

Nashville, TN 37201 615-208-4206

[www.cleanboxtech.com](http://www.cleanboxtech.com)

FCC Compliance Statement

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.

# Protocol for accurate independent efficacy testing of your Cleanbox products

## How testing works:

There's only **one way** to definitively determine the efficacy of UVC light: Pathogen culturing & counting.

## The testing process for bacterial testing:

- Have a laboratory professional contaminate your targeted testing surface with a known pathogen (i.e. **harmful** bacteria such as MRSA). **Disclaimer: Use a professional lab service to do this. Do not attempt this in any non-professional lab setting, as pathogens must be safely handled as per established protocol for BSL2 and BSL3 and above laboratories, based on the contagion being handled.**
- Take a swab of that surface and put it in a petri dish with an agar growth medium as a control, and then place in an incubator. This is dish #1. This control dish will not be exposed to UVC light.
- Take a second swab and put it in separate petri dish within the incubator. This is dish #2.
- Repeat until you have dish #3 and dish #4
- Run 60-second UVC cycle on the surface of dish #2. Run a 120-second cycle on dish #3 and a 240-second cycle on dish #4.
- Allow petri dishes to grow over a 48-hour period.
- A trained lab technician must then use a microscope to count the pathogens remaining in each petri dish.
- The reduction in count between the control sample and the other cycle sample is how reduction rate or "kill count" is calculated.

Independent lab testing centers:

ResInnova Laboratories: 8807 Colesville Rd; Silver Spring, MD 20910; [www.resinnovalabs.com](http://www.resinnovalabs.com)

The MicroStar Lab: 130 Erick Street; Crystal Lake, IL 60014; [www.microstarlab.com](http://www.microstarlab.com)

Testing for dangerous pathogens requires certified laboratory techniques on high quality laboratory equipment, carefully controlled pathogens and applications, and expert technicians.



**CLEANBOX**  
THE FUTURE OF CLEAN

222 2<sup>nd</sup> Avenue South  
17<sup>th</sup> Floor  
Nashville, TN 37201

[www.cleanboxtech.com](http://www.cleanboxtech.com)

Customer Service # 615-208-4206

