



# COVID SHIELD

HEPA  
OZONE  
FOGGER

DISINFECTING & CLEANING SOLUTIONS

OWNER'S MANUAL

# Congratulations!

You are now the proud owner of the COVID SHIELD complete disinfecting and cleaning system, including a HEPA Air Scrubber, an Ozone Generator, and a digital, programmable timer.

Read on to learn how to set everything up. Once installed and programmed, the system will run automatically, without any more input from you

[Watch this video to learn more.](#)

## XPOWER Automated and Programmable Disinfecting System



Model: XCS1



Model: XCS2

This programmable overnight treatment combines XPOWER's Ozone Generator and HEPA Air Scrubber with a timer to help sanitize and clean your space with minimal effort on your part.

# Set-Up

Setting up your COVID SHIELD system is straightforward, and only needs to be done once. After setup, you will have a fully-automated, hands-free, and chemical-free sanitizing system that will give you peace of mind, as well as safer, cleaner air.

## Placement

Find a wall outlet that can accommodate the digital timer. Ideally, this outlet is centrally-located and out-of-the-way.

## Set Up and Plug In the Digital Timer

To learn how to set up the digital timer, please reference the instructions included in the box.

Additionally, there is an instructional video [on this page](#), as well as a manual you can download.

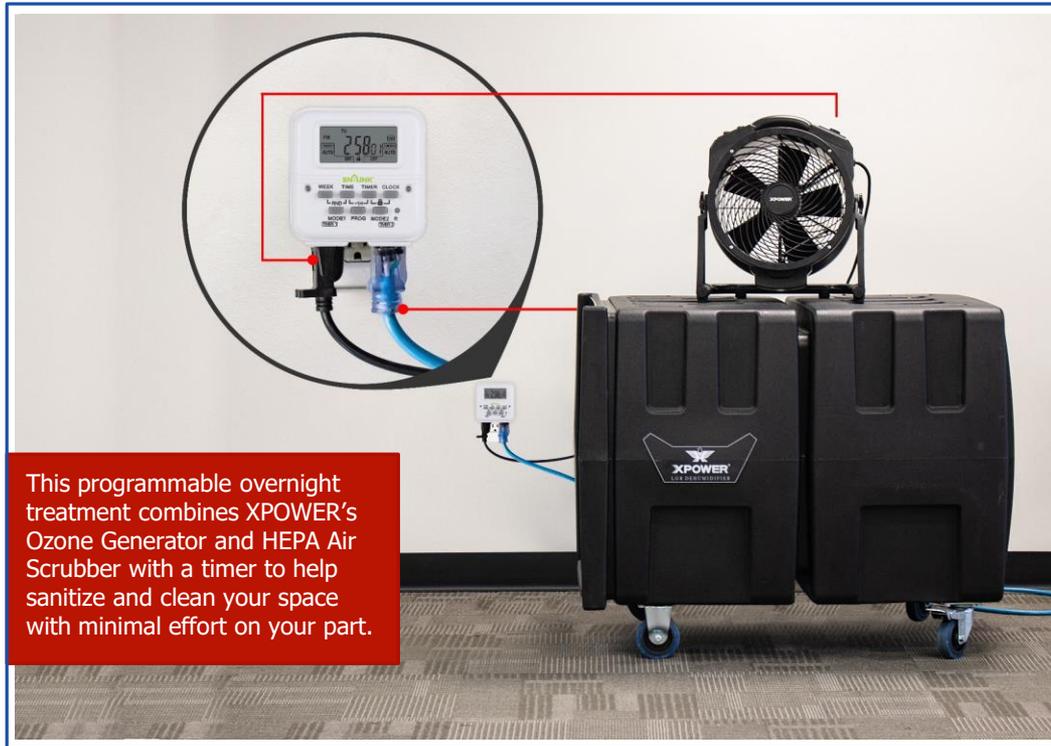
Once you're ready, set the timer to the preferred off-hour timing and then plug it in. If it doesn't turn on, plug it in for a few hours to charge the internal battery.

Generally, we recommend running the Ozone Generator for 1-3 hours (depending on room space). This should be followed by 4-6 hours of running the HEPA Air Scrubber.



# Plug the Units in to the Digital Timer

Once the digital timer is set, plug the HEPA Air Scrubber and the Ozone Generator in to the two outlets on the digital timer.



## 1. Timer

A timer outlet allows the ozone treatment to begin without needing supervision when the business is closed and empty.

## 2. Ozone Treatment

The ozone treatment will begin at its designated set time. Suggested treatment will take 1-3 hours to complete.

## 3. Air Purification

The HEPA Air Scrubber can be set to begin after the ozone treatment finishes. We recommend it to run for 6 hours overnight and throughout the business day to continue air scrubbing.

# Turn on Unit and Adjust Settings

Turn on the HEPA Air Scrubber and the Ozone Generator. You'll want to leave these on the "on" position from now on so they can run automatically.

For the purposes of the COVID SHIELD system, you'll want to adjust each dial on the HEPA Air Scrubber and Ozone Generator to the maximum setting. If you decide to use either of these units independently, there are other settings available.

Once the system is set up, it will automatically run according to your settings, attacking surface and airborne viruses, bacteria, mold, and VOCs, while reducing odors and filtering out dust and airborne particles.

It's that easy!

## SAFETY WARNING

**We recommend you use ozone in an unoccupied place and ventilate the area before re-entry. It can be harmful and dangerous if used around PEOPLE, PETS, or PLANTS.**





## THE CHALLENGE

COVID-19 has changed the way we work and live.

To prevent the further spread of COVID, we use masks, thoroughly wash our hands, and practice social distancing.

**But what can we do to help safely reopen businesses?**

**COVID SHIELD**  
**Solutions Can Help**  
**Your Business**  
**Get Back on Track**

**Ozone Generator**

*Helps eliminate bacteria, viruses, and odors*

**HEPA Filter Air Scrubber**

*Provides clean and healthy air quality*

**ULV Fogger**

*Sanitizes large areas and surfaces*

# Why COVID SHIELD?

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## Powerful

*Commercial-grade tools help eliminate bacteria efficiently and effectively.*



## Cost-Effective

*Helps you clean to the highest standard without breaking the bank.*



## Easy

*Helps thoroughly disinfect your space with minimal effort on your part.*

# Solution 1

## XPOWER Automated and Programmable Disinfecting System



### 1. Timer

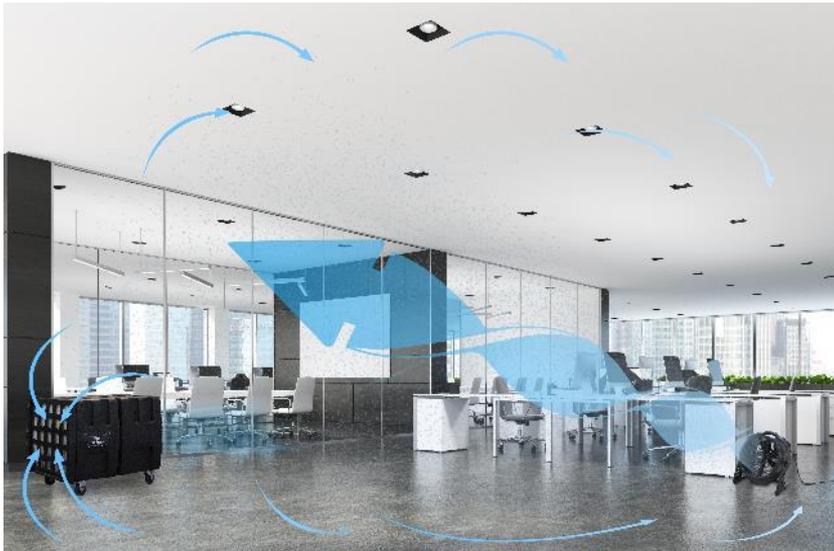
A timer outlet allows the ozone treatment to begin without needing supervision when the business is closed and empty.

### 2. Ozone Treatment

The ozone treatment will begin at its designated set time. Suggested treatment will take 1-3 hours to complete.

### 3. Air Purification

The HEPA Air Scrubber can be set to begin after the ozone treatment finishes. We recommend it to run for 6 hours overnight and throughout the business day to continue air scrubbing.



The **M-25** generates a high concentration of ozone that helps eliminate bacteria, viruses, and odors. The powerful axial fan distributes the ozone across the designated space quickly and evenly.

The **AP-2000** HEPA Air Scrubber helps cleanse and purify the air. It can be used both with the ozone treatment as well as on its own as part of your daily maintenance routine.

# Solution 2

## XPOWER Ozone Generator M-25 & M-27

- High concentrations of ozone gas capable of killing microorganisms like bacteria, fungus mold, and viruses.
- Integrated axial air mover increases efficiency of Ozone Generator and delivers ozone quickly and evenly across large areas.
- Timer for easy, hands-off usage. We recommend it to be set for 1-3 hours for treatment.
- Precise speed control to dial in the coverage needed for ozone treatment and also when used as an air circulator in reducing ozone concentration to a safe level.



# What To Know About Ozone Generator Use

- **PLEASE NOTE:** Ozone treatment must occur in enclosed spaces. The treatment can only take place when **PPP** are removed from the space: **People, Pets, and Plants**.
- An ozone concentration above 2 ppm is ideal for sanitation.<sup>1</sup>
- After the ozone treatment, shut off ozone and run air circulator to reduce ozone levels. You can use an ozone meter to observe safe levels of ozone (below 0.2 ppm).<sup>2</sup>

1. Source: Dubuis ME, Dumont-Leblond N, Laliberté C, Veillette M, Turgeon N, Jean J, Duchaine. "Ozone efficacy for the control of airborne viruses: Bacteriophage and norovirus models." 2020, PLoS ONE 15(4): e0231164. <https://doi.org/10.1371/journal.pone.0231164> Accessed 27 Apr. 2020.

2. Source: Occupational Safety and Health Administration (OSHA), OSHA Occupational Chemical Database, <https://www.osha.gov/chemicaldata/chemResult.html?RecNo=9>.



*Examples of Ozone Meters*

# Solution 3

## XPOWER Commercial HEPA Air Filtration System AP-2000 & X-3780

- Commercial-grade air purifiers equipped with HEPA filters that provide a filtration efficiency of 99.97%.
- Powerful and large airflow to cover large area in short periods of time.
- The AP-2000 model can be used to create negative air pressure to extract contaminated air out of a room to help keep spaces clean.
- The X-3780 model has a 4-stage active carbon filter to help eliminate bad odors.
- Can operate with external timer to filter and purify the air without needing supervision.



# Solution 4

## XPOWER ULV Cold Fogger F-16 & F-16B

- Deeply penetrates surfaces and typically hard-to-reach areas to thoroughly disinfect your space.
- Produces extremely fine, small-particle mist (50  $\mu\text{m}$ ) for maximum coverage and efficiency when sanitizing.
- Both AC power and cordless rechargeable DC models available to suit your needs.
- EPA-approved sanitation solutions available for purchase in hardware stores like Home Depot, Amazon, etc.



*Keeping Your  
Business Safe With  
COVID SHIELD*

✓ **3 Tools, 4 Solutions**

Each COVID SHIELD tool helps disinfect your space in different ways. They work best together in a simple and effective set-up.

✓ **Hands-Free**

External timers can allow the Ozone Generator and HEPA Air Scrubber to safely and automatically operate without needing supervision.

✓ **Quick Daily Maintenance**

The HEPA Air Scrubber and Fogger can be used as part of your daily maintenance routine to keep your business at its cleanest even during operating hours.