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# AVURA MICRO USER MANUAL

A GUIDE TO ADDING  
THE FINAL TOUCH™  
TO KEEP YOUR  
VEHICLE CLEAN



# A MESSAGE FROM THE TEAM

Thank you for your recent purchase of the Avura Micro ozone generator. We appreciate your business and look forward to helping you sanitize and remove unwanted odors from vehicles.

This User Manual is intended to provide you with the information you need for using, maintaining and storing the Micro safely and effectively. It is important that you read this manual and strictly follow the instructions included in this User Manual. Our goal is to help simplify and demystify the process of oxidation as a powerful step in the sanitization process, and our team is here to help if you have any questions along the way. Please reach out to us at 641.450.1043 or [info@avura.com](mailto:info@avura.com) with any questions.



To prevent DEATH, SERIOUS INJURY or PROPERTY DAMAGE, you should read, understand and follow the warnings and instructions in this manual. **Keep for future reference.**

## WARNING

**ONLY use the Avura Micro in unoccupied vehicles.**

Always clear the vehicle of people and pets before turning on the machine and throughout the entire duration while the machine is in use. By opening the vehicle doors after the run cycle is finished, the risk of exposure to ozone levels in excess of any EPA or OSHA guidelines is significantly reduced.

If you experience any symptoms like a scratchy throat or watery eyes, give the vehicle more time to air out before re-entering the vehicle.

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# HEALTH AND SAFETY

The Avura Micro is designed for use in unoccupied vehicles only. The Micro should only be used as intended and as detailed in this User Manual. The Micro is effective at removing odors, viruses and harmful bacteria only if used properly and as instructed in this User Manual.

## Training

When used in an occupational setting, your employer should provide training to you about how to use the Micro and the potential health hazards associated with exposure to ozone. This training should include a review of the ozone safety data sheet, which is available on our website at [avura.com/safetydatasheet](https://avura.com/safetydatasheet).

If you have any questions, please contact us directly at 641.450.1043 or [info@avura.com](mailto:info@avura.com).



## WARNING

Prolonged exposure to high concentrations of ozone may cause mucous membrane or respiratory irritation.

To prevent serious injury or death:

- DO NOT operate any ozone generator, including the Avura Micro if you have any breathing or lung related issues, especially asthma.
- The Avura Micro is NOT a medical device. DO NOT stop or alter any medical therapy programs or medications without the advice of your physician.
- ONLY use the Avura Micro in unoccupied vehicles.


## About Ozone

Safety is our number one priority. It is important to use the Micro as designed in unoccupied vehicles. Ozone is safe to breathe in low concentrations. Over exposure to higher concentrations of ozone may cause coughing, sore throat, difficulty breathing, headache or watery eyes. If you experience any of these symptoms, immediately move to fresh air.

## Electrical Device

Because the Pulse is an electrical device, please take appropriate steps while operating this device to prevent the risk of electric shock.

### **WARNING**

 **Electric Shock Hazard.**  
The Pulse operates in excess of 10,000 volts.

To prevent serious injury or death:

- DO NOT operate near water.
- DO NOT operate near children or let them operate it.
- DO NOT operate near any flammable gases or other flammable materials.
- DO NOT immerse in water or use any chemicals to (e.g., gasoline, kerosene, acetone, etc.) to clean the housing or battery.
- DO NOT modify in any way. Do not sand, drill, file or remove parts from Avura Micro.
- DO NOT open the Avura Micro with the purpose of inspecting the components. There are no user serviceable parts inside the unit. Opening the Avura Micro will void your warranty.

Use “common sense” pre-caution when using the Micro. If you have any questions about potential risks of using this electrical device, please contact our Customer Service line at 641.450.1043 before beginning treatment.

# BEFORE GETTING STARTED

## THE SCIENCE OF OZONE TREATMENT: HOW THE AVURA MICRO WORKS

The Micro is designed to reduce and/or remove volatile organic compounds (VOCs), odor, mold and harmful bacteria like E. Coli by first converting oxygen ( $O_2$ ) into ozone ( $O_3$ ). Ozone is the airborne (gas) equivalent of how chlorine or bleach is used as a liquid cleaning agent.

The advantages of ozone over bleach are that a) ozone is a stronger oxidizing agent than bleach; b) unlike chemical disinfectants, ozone does not leave behind any residue; and, c) gaseous ozone can reach in, under and around places that liquid bleach simply cannot reach. Current research shows that ozone can also sanitize against viruses like influenza, norovirus and rotavirus SARS-CoV-2 (responsible for COVID-19).

The advantage the Micro has over all other ozone generators is that it produces enough ozone to deodorize and sanitize, but not concentrations high enough to cause damage to surfaces, fabrics textiles and certain polymers/ rubber products that may be affected by oxidant overexposure. It does so by delivering limited concentrations of ozone over a short period of time.

The Micro is designed to effectively deodorize and sanitize without degrading and destroying materials like bleach can sometimes do. The unit can be used in a variety of vehicles, including compact cars, SUVs, small boats and RVs.

## WHAT'S INCLUDED

The following items are included with the Pulse:

- Avura Micro
- User Manual

## MODES OF OPERATION

The Micro has one (1) built-in mode of operation.

- **20-Minute:** Delivers limited output concentrations of ozone throughout the 20-minute cycle.

The 20-minute cycle will begin automatically once the Micro is plugged into a vehicle's 12-volt power outlet.

# USING AVURA MICRO

## SANITIZING A VEHICLE IN 3 EASY STEPS

Follow our three-step process for sanitizing and deodorizing a vehicle.

1. Remove the Odor Source
2. Run the Micro
3. Ventilate the Vehicle

Learn more about each step of the process below.

### Remove the Odor Source

Before running the Micro, first identify the source of the odor, bacteria or other pathogen and remove it from the vehicle. For example, if the unwanted odor is caused by spoiled food left under the seat, remove the food before running the Micro.

The Micro is designed to provide a complementary Final Touch™ to your cleaning process. Wipe down any hard surfaces using your preferred EPA-approved cleaning products to sanitize surfaces within reach. The Micro will further sanitize areas that liquid disinfectants cannot reach, such as upholstery, without leaving behind any chemical residue.



### WARNING

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To prevent serious injury or death:

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- The Avura Micro is NOT a medical device. DO NOT stop or alter any medical therapy programs or medications without the advice of your physician.
- ONLY use the Avura Micro in unoccupied vehicles.

## Run the Micro

### Mold, Odor and Volatile Organic Compounds (VOCs) Removal

While each vehicle is different with many variables to be considered, the following guidelines have been developed for removing VOCs and odor-causing bacteria to maximize effectiveness and minimize ozone exposure. In many cases, a properly prepared space that has the bulk of the odor-causing material disposed of or wiped up, you may only need one 20 – 30-minute treatment to remove the odor. Difficult to remove odors, such as pet urine, may require two or more treatments to be effective.

### Bacteria and Virus Sanitization

Ongoing scientific research demonstrates ozone's efficacy to reduce and possibly eliminate bacteria and viruses such as COVID-19. When used properly, in concert with EPA-approved disinfecting cleaning products, the Micro provides a higher level of sanitization than only using a liquid cleaning product.

Below are our recommendations to maximize effectiveness and safety:

- Properly disinfect surfaces with an EPA-approved cleaning product before use
- To sanitize areas that bleach and other similar cleaning products cannot reach, such as upholstery and air in vehicle, we recommend running the Micro for at least one 20-minute cycle
- Always close all windows and doors before starting a run cycle

### Turning On the Micro

Follow these simple steps for sanitizing and deodorizing a vehicle.

- Plug the Micro into the vehicle's 12-volt power outlet.
- The green light will illuminate the front grill to indicate the Micro is in operation.
- Exit the vehicle and allow the Micro to run the full 20-minute cycle.
- The Micro will automatically shut off after the cycle is complete.

If the original odor persists after running the Micro, you may need to repeat the cycle. To re-run the Micro, simply unplug it and re-insert it into the 12-volt power outlet.



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**Ventilate the Vehicle**

Ventilate the vehicle by opening the door after the run cycle is complete.

# ADDITIONAL INFORMATION

## STORAGE

Store the Micro in a temperature-controlled environment. Properly storing the Micro will impact its life cycle. Please keep it safe and dry.

## MAINTENANCE

To clean, wipe with a dry rag to remove external dirt or dust.



**DO NOT immerse in water or use any chemicals (e.g., gasoline, kerosene, acetone, etc.) to clean the unit.**

For additional instructions, please visit our website at [avura.com](https://avura.com).

## SERVICE

If you no longer detect the presence of ozone or if it is greatly reduced when you turn on the Micro, it may need to be replaced.

Call our Customer Service line at 641.450.1043 or visit our website for warranty information at [avura.com/warranty-returns](https://avura.com/warranty-returns).



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