



*How Nature Cleans®*

**EMERGENCY SERVICES VEHICLE PURIFICATION SYSTEM**

**Ux-401 and Ux-402**



**OWNER'S MANUAL**

## WELCOME

## THANK YOU

Thank you for your purchase of the Ux-401 and / or Ux-402. The unit is designed to be a permanently mounted unit specifically for Emergency Medical Service, Fire and Rescue Vehicle applications. Ux-401 and Ux-402 units disinfect the air and surfaces of bacteria, viruses, mold, mildew and other contaminants on a continuous basis. Treatment from Ux-401 and Ux-402 also eliminates odors to create a cleaner, safer work environment for EMS personnel and their patients.

We hope you enjoy the Ux-401 or Ux-402 and its many benefits.



**UVAIRx, Inc.**  
4533 Mirage Drive  
Castle Rock, Colorado 80108  
855-788-2479  
303-223-2439  
[www.UVAIRx.com](http://www.UVAIRx.com)

Made in the USA

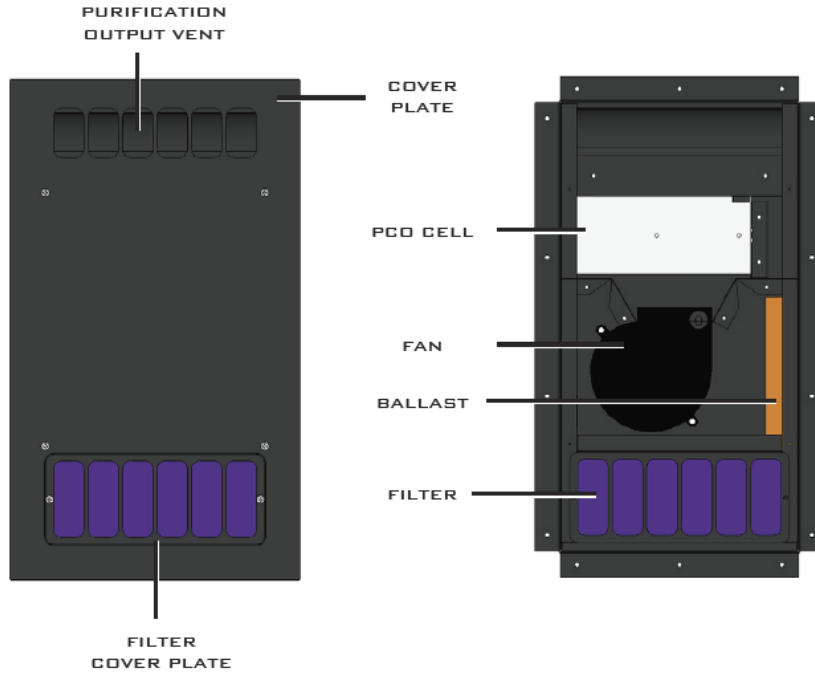


## CONTENTS

Product Contents.....	4
About.....	5
Specifications.....	5
Warnings.....	5
Installation Ux-401.....	6
Installation Ux-402.....	7
Maintenance.....	8
Filter Replacement.....	8
Cell Replacement.....	9
PCO Cell Disposal.....	10
Troubleshooting.....	10
Warranty.....	11

# PRODUCT CONTENTS

Ux-401 (shown)

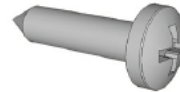


## (2) FILTERS



## MOUNTING SCREWS

- (14) 1" #10 (FLUSH MOUNT)
- (4) 1" #10 (SURFACE MOUNT)



## REPLACEMENT PARTS

Item Name	Part Number
Filter	UVAIRx 401-02
PCO Cell	UVAIRx 401-03

## ABOUT

### ABOUT Ux-401 and Ux-402

The technology used in the Ux-401 and Ux-402 is vastly improved over germicidal UV and filtration systems. The units provide active, oxidizing technology that generates advanced oxidation products. Photocatalytic oxidation technology replicates nature's purifying process through the use of ultraviolet energy activating a multi-metal catalyst, creating oxidizers including peroxide and hydroxyls inside the unit disinfecting the air passing through, and releasing oxidative clustered ions into the air to disinfect surfaces and cervices. These oxidants will either inactivate a microbe by the process of cell lysing which compromises the cellular integrity by penetration of the cell wall, or by changing the molecular structure rendering the contaminant harmless.

### SPECIFICATIONS

#### DIMENSIONS

Ux-401 – 16”L x 9.5”W x 2.5”D

Ux-402 – 14”L x 7.5”W x 2.5”D

#### ELECTRICAL

[12 VDC@0.07A](#)

#### WEIGHT

2.7 lbs.

### WARNINGS



Electrical shock may occur. Installation should be handled by a licensed professional.



Never service the unit while it is connected to a power source. Electrical shock or injury may occur.



A slight odor may be noticeable when the unit is first installed and operated. This is due to the newness of the UV bulb being used and the initial cleaning of the contaminated space. It is completely harmless.

## INSTALLATION Ux-401

1. Find a suitable location on the wall or ceiling of your vehicle with enough space to accommodate the outer dimensions of the unit (16" x 9.5").



The location will need to have access to the 12 VDC electrical system of the vehicle. Carefully consider what systems may exist in the wall or ceiling and plan accordingly.



Make sure you have adequate depth in the ceiling or wall (2.25") before installing the Ux-401.

2. Mark and cut out a rectangle (14" x 7.5").



3. Remove the *Cover Plate* by removing the four (4) *Screws* on the *Cover Plate*.



4. Connect the *Wiring* to the 12 VDC electrical system.



Red Wire: Hot  
Black Wire: Ground

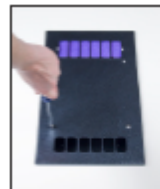


5. Once the *Wiring* is correctly installed, push the slack into the opening behind or beside the unit. Secure the unit using the fourteen (14) *Screws* provided.



Pilot holes may need to be drilled before securing the unit.

6. Replace the *Cover* and ensure that it, as well as the *Filter Cover Plate*, is securely fastened.



## INSTALLATION Ux-402

1. Find a suitable location on the wall or ceiling of your vehicle with enough space to accommodate the outer dimensions of the unit (14" x 7.5").



The location will need to have access to the 12 VDC electrical system of the vehicle. Carefully consider what systems may exist in the wall or ceiling and plan accordingly.

2. Drill a hole and connect the *Wiring* to the 12V DC electrical system.



Red Wire: Hot  
Black Wire: Ground

3. Once the *Wiring* is correctly installed secure the unit to the ceiling or wall using the four (4) *Screws* provided and the Mounting Brackets.



Pilot holes may need to be drilled before securing the unit.



4. Secure the unit using the four (4) *Screws* provided.



## MAINTENANCE

### CLEANING

The unit should be cleaned occasionally to ensure proper operation.

1. Remove the *Cover Plate* from the unit.
2. Wipe everything down with a damp cloth.
3. Replace the *Cover Plate* of the unit.

### REPLACING THE FILTER

We recommend replacing the Filter after 90 days or when noticeably contaminated.

1. Remove the *Filter Cover Plate* from the unit.



2. Remove the used *Filter*.



3. Replace with the new Filter (purple side facing out).



4. Replace the Filter Cover Plate.





## MAINTENANCE

### REPLACING THE PCO CELL

Your Ux-401 or Ux-402 *PCO Cell* should be replaced every 2 years.

1. After disconnecting primary power, remove the *Cover Plate* from the unit.



2. Locate the *PCO Cell* and press the tab away from it.



3. Slide the *PCO Cell* towards its *Power Plug* and pull it out of the slot.

4. Disconnect the power to your old *PCO Cell* and replace it with your new *PCO Cell*.



Ensure plug is fully seated on *UV Lamp Pins*.

5. Place the end opposite the power source in first and press the *PCO Cell* into place, allowing the tab to secure it.



6. Replace the *Cover Plate*.



## MAINTENANCE

### DISPOSAL OF THE PCO CELL AND UV LAMP

#### DO NOT THROW YOUR PCO CELL IN THE TRASH

Dispose of the spent *PCO Cell* and *UV Lamp* at your local recycling center. You may also send your spent *PCO Cell* and *UV Lamp* in the replacement's container to:

UVAIRx, Inc.  
4533 Mirage Drive  
Castle Rock, Colorado 80108  
USA

Hg-LAMP CONTAINS MERCURY. Manage in accordance with disposal laws.  
Visit [www.lamprecycle.org](http://www.lamprecycle.org) for proper instructions.

## TROUBLESHOOTING

1. PCO CELL DOESN'T TURN ON.
  - Check for secure connection.
  - Try another *PCO Cell*.
  - *Ballast* needs replacing.

Visit [www.UVAIRx.com](http://www.UVAIRx.com) for contact information.

2. FAN DOESN'T TURN ON
  - Check for secure connection.
  - *Fan* needs replacing.

Visit [www.UVAIRx.com](http://www.UVAIRx.com) for contact information.

## **WARRANTY**

### **LIMITED WARRANTY INFORMATION**

Your Ux-401 and Ux-402 (product) and PCO Cell are each warranted to be free from all defects in material and workmanship in normal use for a period of (2) TWO YEARS from the date of purchase. The warranty is granted only to the original purchaser. The warranty is subject to the following provisions:

Any damages or malfunctions caused by negligence, abuse, or use not in accordance with the product Owner's Manual are not covered by this warranty. Likewise, any defects or damages caused by unauthorized service or the use of other than genuine UVAIRx parts are not covered.

UVAIRx, Inc. will, at its option, repair or replace a defective product that is/are covered by this warranty. As a matter of warranty policy, UVAIRx, Inc. will not refund the customer's purchase price.

### **OBTAINING WARRANTY SERVICE**

To obtain warranty service you must return the defective product along with proof of purchase to the UVAIRx, Inc. authorized service center. All shipping costs submitted under this warranty shall be borne by the purchaser. Unless this warranty is expressly renewed or extended by UVAIRx, Inc., any repaired or replaced part of unit shall be warranted to the original purchaser only for the length of the unexpired portion of the original warranty. For the location of the nearest UVAIRx authorized service center, please visit our website.

Before any product is sent for service, the customer should contact the UVAIRx service center to obtain a Return Merchandise Authorization (RMA) number. This RMA number should be clearly written on the box before shipping. All components / parts including the remote (if applicable), manuals and original packaging should be included in the return if available.

### **FURTHER LIMITATIONS AND EXCLUSIONS ARE AS FOLLOWS**

Any warranty that may be implied in connection with your purchase or use of the product, including any warranty of merchantability or any warranty for fitness for a particular purpose is limited to the duration of this warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

Your relief for the breach of this warranty is limited to the relief expressly provided above. In no event shall UVAIRx, Inc. be liable for any consequential or incidental damages you may incur in connection with your purchase or use of this product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

### **REGISTRATION**

Please register your product within 10 days of purchase by visiting our website. Registering your new UVAIRx product entitles you to the most up-to-date warranty and promotion information.

**UVAIRx, Inc.**  
4533 Mirage Drive  
Castle Rock, Colorado 80108  
855-788-2479  
303-223-2439  
[www.UVAIRx.com](http://www.UVAIRx.com)

*Made in the USA*

