



# COMPACT OWNER'S MANUAL

**CAUTION: Read manual carefully for proper procedures and operation.**

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## Start here... Initial set up

1. For your most ideal effectiveness, place CASPR COMPACT unit 4-7 feet off the ground ensuring there is a minimum of 6 inches behind the unit to allow for proper airflow.
2. Face the unit towards the center of the area you are protecting.
3. Ideally, your placement of the unit would be across the room from an AC intake or return vent. (The vent the takes air OUT of your room and back up to the AC unit) This allows your normal air flow to circulate the disinfecting oxidizing molecules across the entire room. Best practice would be to NOT place your unit directly under or next to the intake or return air vent.
4. Plug the power cable into any standard wall outlet and plug the other end of the power cable into the rear of the COMPACT unit.

5. Insert the battery inside the remote control.



6. Power on the unit by either using the remote control or manually pushing the power button on the left side of the display screen.

7. **STANDARD MODE:** You will know your unit is running in standard mode when the display screen is lit up and you see either **PCO** or **NCC** (depending on what date you purchased your unit) This is your standard 24/7 mode for occupied rooms. Fan speed can be set higher or lower by the up or down arrows on the unit or remote control.



8. **HIGH MODE** is used by adjusting the up or down arrows above or below the word “Purifier” on the display screen. When pushing the up button, you will see numbers such as 250, 500, 750 which corresponds with the square footage of the room you are disinfecting.



9. High mode is for a quick high burst of disinfection and SHOULD **NOT** BE USED FOR MORE THAN ONE HOUR IN ANY OCCUPIED SPACE.

Note: Some CASPR Compact Versions (CASPR COMPACT-CA) do not include purification plates. You may also choose to remove the purification plate yourself. When the purification plate has been removed your unit will remain in *Standard* PCO/NCC Mode regardless of what mode is displayed on screen and can always be used in occupied spaces. Any questions please contact your distributor or the CASPR company directly.

10. **AWAY MODE**: should only be used when humans and pets are **AWAY** from the space. AWAY Mode generates ozone, and you would usually only use the AWAY MODE to remedy a highly infected pathogen rich environment or event such as removing smoke, cooking odors, mold spores, viruses, and bacteria.

Pressing the Away Mode button will start and display a timer on the screen.

Press the away button once = 2 hours

Press it again = 4 hours

Press it again = 6 hours

Press it again = 8 hours

Press it again = the unit returns to Standard PCO / NCC mode. (no ozone produced)

11. Regardless of what time you set the unit for, after the time runs out the unit will automatically return to the STANDARD MODE where you will see PCO or NCC on the display.
12. If the unit accidentally gets set to AWAY MODE while the room is occupied simply **UNPLUG** the unit and plug it back in. The unit should reset to the STANDARD MODE.

13. You can also push the “Normal” button below the AWAY mode button which returns the unit to the Normal or STANDARD MODE.

Easy way to remember...

If you see *letters* on the screen (PCO or NCC) it is in normal or STANDARD mode.

If you see *numbers* on the screen (500 or 2 hours) then it is in HIGH or AWAY mode. **NEVER USE AWAY MODE WHEN ROOM IS OCCUPIED!!**

14. **SLEEP MODE:** This mode is found on the remote control only and simply dims the front screen at nighttime if the unit is in your bedroom. This has no effect on the disinfection effectiveness or functionality of the unit.



# Warnings

Review this list before using or performing any maintenance or cleaning of your unit.

**WARNING:** Never operate unit near a heat source, open flame or flammable/combustible fluids.

**WARNING:** Do not operate unit unless all parts (including Cell, Purification Plate, Rear Filter Assembly and Rear Cover) are properly installed.

**CAUTION:** Directly viewing the lamp inside unit for an extended period may result in eye damage.

**CAUTION:** When using AWAY Mode, the ventilation system from the room should provide a minimum of three air exchanges per hour. If you don't know the rate of air exchange, make sure there is normal air circulation in the room or open a window after the away mode has completed if you have that option.

**CAUTION:** DO NOT USE AWAY MODE IN OCCUPIED SPACES. Short term exposure to ozone levels exceeding 0.5 ppm can cause temporary adverse reactions, including irritation in the eyes, nose and throat, shortness of breath, chest pain, and wheezing. Pets, children, the elderly, and individuals with preexisting conditions such as asthma, heart conditions, or high blood pressure are especially at risk.

**CAUTION:** Unit should be powered OFF and Power Cord should be disconnected when Cleaning/Disassembling/ Reassembling/ Servicing.

**Note:** Some CASPR Compact Versions (CASPR COMPACT-CA) do not include purification plates. You may also choose to remove the purification plate yourself. When the purification plate has been removed your unit will remain in *Standard* PCO/NCC Mode regardless of what mode is displayed on screen and can always be used in occupied spaces. Any questions please contact your distributor or the CASPR company directl

## Additional Information

- Each CASPR COMPACT can effectively treat 1,500 sq feet of space, if there is air circulation in the space. Ensure doors remain open in rooms you are trying to disinfect.
- Best practice is to face your COMPACT unit towards the largest open space you are disinfecting so it can efficiently process and circulate the air in the area. Unlike the friendly ghosts, CASPR cannot penetrate or go through walls.
- Never place an operating unit on the floor unless you are specifically trying to disinfect an area on the floor. The goal is to disinfect and circulate the air you breathe which is obviously in the space 4-8 feet above the floor.
- Your CASPR COMPACT comes with a remote control, and one CR2025 battery, for easier operation when the unit is placed in a location that is not easily accessible to manually pushing the buttons.

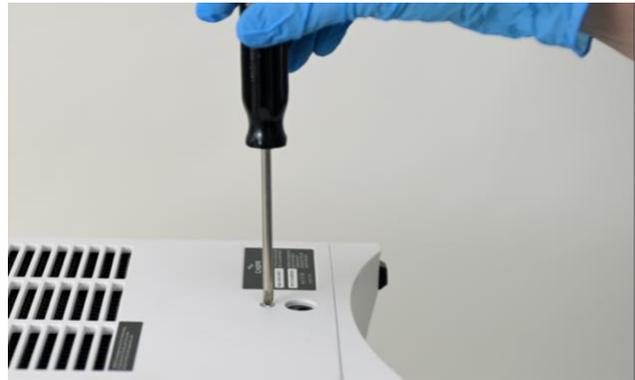
## Routine Maintenance

Good news...You have very little maintenance with your new CASPR unit. Every 60-90 days check to see if you need to clean or dust the front grill. If the front grill is dusty, it is likely that the rear Filter Assembly is also needing to be cleaned. A vacuum works well to remove dust. This is a WASHABLE and REUSABLE filter. In a high dust environment, you may need to clean the filter monthly. In a very low dust environment, you might clean it every 90 days or so.

The NCC CELL should be replaced once every 2 years.

### Removing and Cleaning the Filter Assembly

1. Turn off the unit by pressing the Power button.
2. Unplug the unit from the power source and then remove the power cord from the back of the unit.
3. Unscrew and remove the Rear Cover screw located above the Power Cord Port on the rear of the unit.



4. Place one hand on the right and left side of the Rear Cover, slide the rear cover upwards and lift it away from the machine.
5. Wipe the rear cover with a damp cloth and set it to the side.

6. Grasp the sides of the filter, lift slightly, and pull the filter away from the unit.



7. Vacuum, brush with a small clean paint brush or thoroughly rinse the filter with warm water. Shake excess water from the filter and LET IT DRY completely before reattaching the filter to the rear of the unit.

## Reattaching the Filter

1. Gently lay the filter back onto the machine with the diamond pattern facing the interior of the unit and the honeycomb pattern facing out.
2. Replace the Rear Cover by sliding it from the top of the unit towards the bottom to secure the filter in place. You will know it is in place when you hear a “Click”
3. Replace and gently tighten the screw on the Rear Cover and plug the unit back into the power source. You are good to go!

## Replacing the NCC Cell (every 2 years)

1. Turn off the unit by pressing the Power button.
2. Unplug the unit from the power source and then remove the power cord from the back of the unit.
3. Unscrew and remove the Rear Cover screw located above the Power Cord Port on the rear of the unit.
4. Place one hand on the right and left side of the Cover, slide the rear cover upwards towards the top of the unit and lift it away.
5. Remove the filter assembly.
6. Unscrew the cell nuts.



7. Un plug the cell power cable.



8. Pull the NCC cell away from the unit and attach the new NCC cell.



9. Reinsert the two screws to secure the new cells.



10. Reconnect the new power cable.



11. Replace the filter honeycomb facing inside and fabric facing toward you. Then, replace Rear Cover by sliding it from the top of the unit towards the bottom to secure the filter in place. You will know it is in place when you hear a “Click”.

12. Replace and gently tighten the screw on the Rear Cover and plug the unit back into the power source. Do not overtighten. You are good to go!

### **Removing and Cleaning the Front Grille**

1. Locate the Front Grille Screw on the front of the machine above the CASPR logo.
2. Using your screwdriver, carefully remove the Front Grille Screw and place the screw where you will easily find it later.
3. Remove the Front Grille by pushing up from the bottom of the Front Grille with your fingers. Be careful to ensure the Ionization Needle (in the top center of the front of the unit) is not damaged.
4. Clean the Front Grille using (compressed air, vacuum cleaner, damp cloth or warm soapy water) and set the Front Grille aside.
5. If the Ionization Needle is visibly dusty, gently clean it with a cotton swab and clear alcohol-based cleaner or rubbing alcohol.

### **Reattaching the Front Grille**

1. Align the Front Grille to the front of the unit, being careful not to damage the Ionization Needle at the top center of the unit.
2. Insert and gently tighten the screw.
3. You are good to go!

## **Troubleshooting**

### **Has your unit failed to turn on?**

1. Verify that the Power Plug is plugged into an operational wall outlet.
2. Ensure that the Power Cord is fully inserted (leaving less than an 1/8") to the Power Adapter.
3. Ensure that the Power Adapter Plug is fully seated in the round Power Cord Port on the back of the unit. Remove and reinstall to verify.
4. Verify the Power Button has been activated on the Control Panel.
5. If the Power Button on the Control Panel fails, try using the Power Button on your Remote Control. If the Control Panel fails, contact your distributor or CASPR Technologies ([www.casprtech.com](http://www.casprtech.com)).

### **You have the unit in High Mode or Away Mode, but you have no noticeable Purification being produced. (No noticeable smell of ozone)**

1. Ensure that the Purification Plate is clean (See Diagram.)
2. Check the electrical contact arms which touch the purification plate on both sides to ensure that they are contacting the metal weave on the Purification Plate.
3. Ensure the electrical contact arms which touch the plate are clean. Clean them with a soft cloth and rubbing alcohol.
4. If none of the above items resolve the issue you may need to contact your distributor or CASPR technologies and request a new purification plate.



*Note: Some CASPR Compact Versions (CASPR COMPACT-CA) do not include purification plates. These versions will remain in Normal PCO/NCC Mode regardless of what mode is displayed on screen. If you don't have a purification plate in your unit then it cannot produce ozone in any mode.*

### **How do you remove and clean your Purification Plate?**

1. Turn off the unit by pressing the Power button.
2. Unplug the unit from the power source and then remove the power cord from the back of the unit.
3. Unscrew and remove the Rear Cover screw located above the Power Cord Port on the rear of the unit.

4. Place one hand on the right and left side of the Rear Cover, slide the rear cover upwards and lift it away from the machine.

5. Lift the filter away from the unit and set it aside.

6. Grasp the Purification Plate by pinching it between your thumb and forefinger on the ceramic surface and gently pull it out of the grooves on each side of the plate.



7. Using a 50/50 mix of warm water and clear ammonia, or use 100% white vinegar, soak the Purification Plate for 8 to 10 hours. Do not exceed 10 hours. Using a soft bristled toothbrush, scrub the wire mesh to remove debris lodged inside the mesh. Rinse thoroughly. Allow the Purification Plate to dry **completely** before reinstalling.

8. Use a soft cloth and rubbing alcohol to clean the metal contacts that touch the Purification Plate.

9. Holding the Purification Plate by the ceramic section, grasp the Purification Plate by pinching it between your thumb and forefinger. Align it with the grooves on either side and slowly insert it into the Purification Plate Slot.

*Note: Some CASPR Compact Versions (CASPR COMPACT-CA) do not include purification plates.*

### **The Purification Plate Generates an Electrical Arc, an Arcing Noise or a Burning Odor**

This means the Purification Plate is damaged and must be replaced. The unit may or may not display the Replace Plate LCD reminder. To order a replacement, contact your distributor or CASPR Technologies ([www.casprtech.com](http://www.casprtech.com)).

### **The Cell Does Not Light Up**

1. Ensure the Cell Power Connector is properly seated in the Cell Power Connector Outlet.

a) Follow the instructions for removing the Rear Cover and Filter Assembly.

b) Check to see if the Cell Power Connector is properly inserted in the Cell Power Connector Outlet. To ensure the proper connection, gently push until the tabs at the top and bottom of the Cell Power Connector snap into place, securing it to the Cell Power Connector Outlet.

2) If the Cell still fails to operate, it needs to be replaced. Contact your distributor or CASPR ([www.casprtech.com](http://www.casprtech.com)).

# Warranty Information

## LIMITED 3 YEAR WARRANTY ON CASPR TECHNOLOGIES UNITS AND 1 YEAR WARRANTY ON CASPR TECHNOLOGIES REPLACEMENT PARTS

Customer should not repackage and ship the CASPR Compact unit due to possibility of irreparable damage. For warranty service, please contact your CASPR TECHNOLOGIES Distributor for the address of the nearest service center, email warranty@casprtech.com call Customer Service at 844-717-8819.

### WHAT IS COVERED BY THIS WARRANTY?

We warrant the CASPR Compact to the Customer, subject to the conditions below, against defects in workmanship or material, provided that the products are returned to a service location within three (3) years from the date of purchase.

### INSTALLATION AND MAINTENANCE REQUIREMENTS

This warranty is expressly conditioned upon proper installation, operation, cleaning and maintenance, all in accordance with the Owner's Manual. Failure to meet any of these requirements will void this warranty. Servicing of your CASPR Compact by parties other than our authorized representatives and/or using parts other than genuine parts will also void this warranty.

### HOW TO OBTAIN WARRANTY SERVICE

Customer must contact their CASPR Technologies Distributor and provide proof of purchase within the above time periods. We will repair or replace and return the product, without charge and within a reasonable period of time, subject to the conditions herein, if its examination shall disclose any part to be defective in workmanship or material. If we, in our discretion, are unable to repair the product after a reasonable number of attempts, we will provide either a refund of the purchase price or a replacement unit, at the company's option.

### WHAT IS NOT COVERED BY THIS WARRANTY

Ordinary wear and tear shall not be considered a defect in workmanship or material. These warranties do not apply to filters nor for loss or damage caused by accident, fire, abuse, misuse, improper installation, leaking, modification, misapplication, or by any repairs other than those provided by our authorized Service Center. This warranty is non-transferable.

### MISSING SERIAL NUMBERS AND UNAUTHORIZED CHANNELS

If a valid serial number is missing from the product, the warranty will be voided. CASPR Technologies products are authorized for sale through CASPR Technologies Distributors only. Warranties are voided if a product is purchased through unauthorized channels; this includes websites that are not authorized to use CASPR Technologies' trademarked names, images and logos as well as Internet auction sites (e.g. eBay and craigslist). To confirm warranty coverage prior to purchasing a product, contact CASPR Technologies at 844-717-8819 with the serial number located on the back of the unit.

EXCLUSION OF OTHER WARRANTIES AND CONDITIONS EXCEPT AS PROVIDED HEREIN, WE MAKE NO REPRESENTATION OR WARRANTY OF ANY KIND. ALL OTHER WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, ARE HEREBY EXPRESSLY DISCLAIMED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

### LIMITATION OF LIABILITY FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES

WE SHALL NOT IN ANY CASE BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM BREACH OF EXPRESSED OR IMPLIED WARRANTIES, CONDITIONS, GUARANTEES OR REPRESENTATIONS, BREACH OF CONTRACT, NEGLIGENCE OR ANY OTHER LEGAL THEORY. Such excluded damages include, but are not limited to, loss of profits or revenue, and loss of the use of the products, and any loss caused by leaks or other water damage.

### FOR U.S. APPLICATION ONLY

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow limitations on warranties, or on remedies for breach. In such states, the above limitations may not apply to you.

### FOR CANADIAN APPLICATION ONLY

Exclusion of Subsequent Owners: Except as otherwise required by applicable legislation, this warranty is not transferable. This warranty gives you specific legal rights and you may also have other rights which vary from province to province. Some provinces and territories

do not allow limitations on warranties, or on remedies for breach. In such provinces or territories, the above limitations may not apply to you. If any provision of this warranty or part thereof is held by a court of competent jurisdiction to be invalid, illegal, or unenforceable, the validity, legality and enforceability of the remaining provisions or parts thereof will not in any way be affected or impaired within the jurisdiction of that court. This entire warranty shall continue to be valid, legal and enforceable in any jurisdiction where a similar determination has not been made.

This warranty is provided by:

CASPR Technologies, Inc.  
4505 Excel Parkway, #600 Addison, TX 75001

### SERVICE

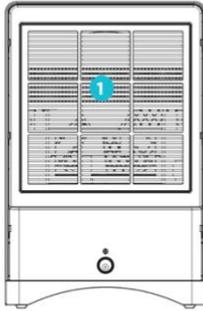
Every effort is made to ensure customers receive an up-to-date instructions manual on the use of our products; however, from time to time, modifications to our products may without notice make the information contained herein subject to alteration. For the latest information, please visit our website.

*\*This warranty remains active for units sold without purification plates, if removed by manufacturer.*

# Diagrams

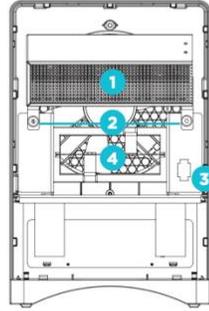
## (Unit)

**Rear of Unit**  
(Rear Cover Removed)



- 1 Filter Assembly

**Rear of Unit**  
(Filter Assembly Removed)



- 1 NCC Cell
- 2 Cell Nuts
- 3 Cell Connector
- 4 Purification Plate\*

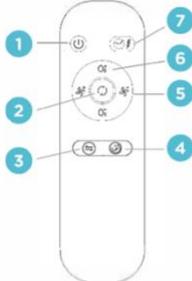
**Power Supply**



- 1 Power Cord
- 2 Power Cord Plug
- 3 Power Adapter
- 4 Power Adapter Plug

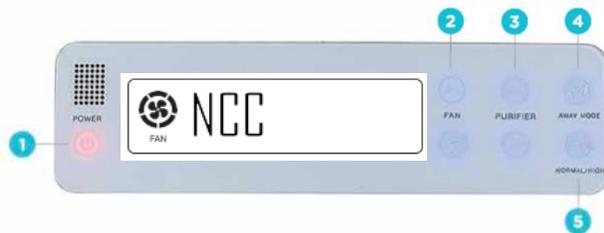
## Diagrams (Controls)

**Remote**



- 1 Power Button
- 2 Toggle Switch (Normal PCO or NCC/High Mode)
- 3 Unit control (whether in ft' or m')  
**Must be in high mode first**
- 4 LED Display (sleep mode control)
- 5 Fan Level Control
- 6 Purification Level (High Mode)
- 7 Away Mode

**Control Panel**



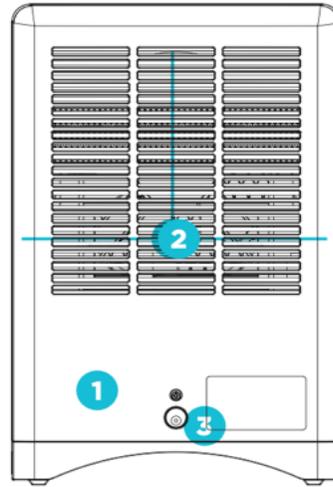
- 1 Power Button
- 2 Fan Speed Control
- 3 Purifier Level Control
- 4 Away Mode Toggle
- 5 Normal/High Toggle

# Diagrams (Unit)

Front of Unit



Rear of unit

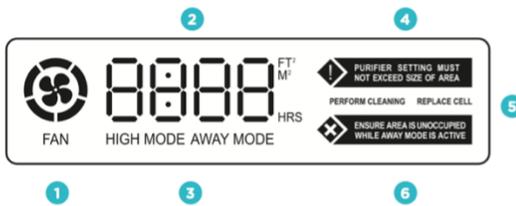


- 1 Ionization Needle
- 2 Front Grille
- 3 Control Panel

- 1 Rear Cover Screw
- 2 Rear Cover Grooves
- 3 Power Adapter Inlet

## (Controls)

Control Panel Screen



- 1 Fan Speed Indicator
- 2 Mode Specific Display
- 3 Mode Indicator
- 4 Purification Level Warning
- 5 Maintenance Reminders
- 6 Away Mode Warning

Mode Specific Display



- 3 Mode Specific Display  
Normal - Technology Indicator (PCO/NCC\*)  
High- Square Footage Indicator  
Away - Mode Duration Indicator  
(hours:minutes)

## **Specifications**

### **UNIT**

Size: 13" high x 8.75" wide x 10.75" deep Weight: 10.2 lb.

Coverage: 1500 ft<sup>2</sup>

### **POWER CORD**

Fuyuang Switching Power Supply

Model Number: FY3803000

Input: 100-240VAC 50/60Hz 2.5A Output: 38VDC 3A

See the power supply label for certifications and warnings.

### **CELL**

Normal Mode Output

### **PURIFICATION PLATE**

High Mode Output: 25-360mg ozone per hour

### **IONIZATION NEEDLE**

24 to 30 KV, 20-30 Khz Ion Generation Pulsator 6 KV DC Needle Ion Generator

CASPR Technologies declines all responsibility for all damages arising from improper use of the unit or in case of tampering with the unit.

