

**Clean Air Optima HEPA UV ionizer air purifier  
CA-506**

Manual



**Read these instructions carefully before you start using the air purifier and keep the manual for later usage.**

© Copyright : Clean Air Optima

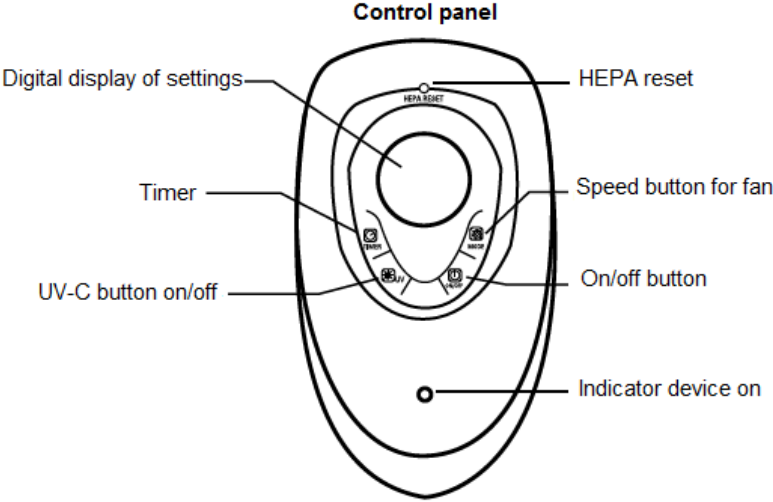
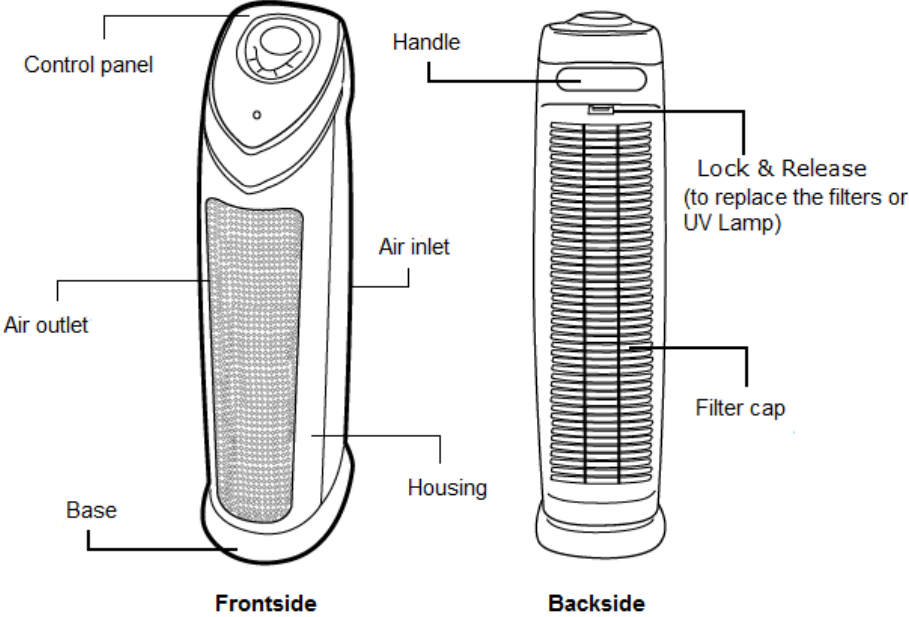


## Introduction

**Clean Air Optima wishes to thank you for purchasing this unique air purifier with high quality technology.** We live in times where air pollution, viruses and particulate matter seem to be an unavoidable threat for our wellbeing. **Clean Air Optima** offers an air purifier that represents an affordable and efficient answer to this threat.

In your new air purifier, **several technologies have been combined** in order to filter small dust particulates and biological particulates out of the air. The device eliminates unicellular organisms, as well as viruses and bacteria floating in the air by means of UV-C light and it purifies the air from unwanted and harmful particulates.

**Technical diagram and components of the CA-506**



# Before use

## **Features**

The Clean Air Optima CA-506 includes 6 filter technologies and is 100% ozone free.

### **Activated carbon pre-filter**

**The pre-filter** catches big particulates like: lint, hair and dander from pets.

**Activated carbon** neutralises smoke, chemicals, gases and smells, it prevents the development of bacteria, viruses and mold. The activated carbon pre-filter extends the durability of the TRUE HEPA filter.

### **Filter combination**

**Original True HEPA + Pet Pure Treatment:** True HEPA catches 99.97% of all floating particulates and allergens like dander of pets, dust mites, pollen, bacteria and viruses >0,3 micron. The Pet Pure Treatment (PPT) is a filter coating to which an antimicrobial substance was added to prevent the development of mold, mildew, bacteria causing smells on the surface of the filter.

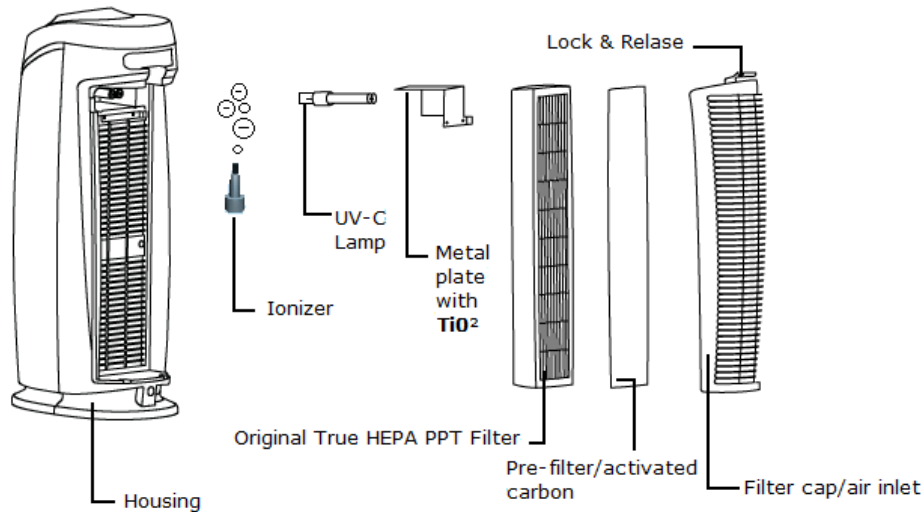
### **UV-C light combined with titanium dioxide**

UV-C light technology works in combination with titanium dioxide (TiO<sup>2</sup>) to eliminate bacteria and viruses floating in the air. TiO<sup>2</sup> is activated by the UV-C light to neutralize smell molecules caused by smoking, cooking and pets.

### **Ionizer**

This powerful ionizer produces more than 6.000.000 negative ions/cm<sup>3</sup> (known as "vitamins of the air") to purify and refresh indoor air. It purifies air from dust, cigarette smoke, pollen, mold and harmful gases.

### Air purification method



### **Warning**

Take the following steps to minimize the risk of personal injury caused by for example electric shocks or fire.

1. Only for indoor use.
2. Pull the plug when you do not use the device or when you clean internal or external parts of it.
3. Use, maintain and clean the device as described in this manual.
4. Do not use the device when there is visible damage on the electrical cord, the UV lamp or on the device itself. Do not repair the device yourself in case of damage.
5. Make sure that the air outlets are always free, clean up dust, hair and other obstruction for the airflow and at the air outlets.
6. Keep your hair, clothes, jewels or fingers away from the air outlets.
7. Do not stick sharp objects through the grid as it can result in failures or electric shocks.
8. Do not use the device in rooms where inflammable liquids or gases are stored, close to heat sources or in particularly humid rooms like the bathroom.
9. Touch the device only with dry hands.
10. Pay attention to damages on the electrical cord. Never pull the device by its cord.
11. Bring discarded devices to the appropriate collecting points. Prevent children from opening the device. The device is not a toy. Children may only use the device under the surveillance of an adult.
12. The UV-C lamp in the device produces UV-C radiation which can be harmful for skin and eyes during direct contact. Never look directly into the UV-C lamp and never put your face close to the grid at front side or the backside. Never use the lamp for other purposes.

# Usage

## **Placement**

1. Get the air purifier and the filter out of the package and place the filter into the device. Attention: pay attention to the arrow on the filter in order to place the filter correctly.
2. Position the device on a solid, flat and straight base.
3. The device needs to be positioned at least 30 cm from the walls and furniture to obtain good air flow.
4. Make sure that the front air outlet of the device is positioned away from the closest wall or piece of furniture. Make sure that the air in-and outlets are not blocked.
5. Insert the plug into the socket.
6. Never pull up the device by its loose parts.

## **Operation**

1. Make sure that the filters are placed correctly and that all components are snapped.
2. Use the **ON/OFF** button on top of the device to switch it on and off.
3. Use the **MODE** button to install the level of purification 1 to 5. 1 = low, 5 = high. LED lights will lighten up and display which level you selected.

Choose the right setting depending on the size of the room and the level of air pollution. If you place the air purifier in a smaller room, for example the bedroom, level 1 is sufficient.

4. Press on the **TIMER** button to set the timer to "switch of automatically" in a range between 1, 2, 3, 4, 5, 6, 7 and 8 hours. The number of hours selected can be read on the display of the timer.
5. Press on the **UV** button to switch the UV lamp on and off.

## **Tested technology**

UV sterilization technology is accepted for more than fifty years and it has been proven that it can considerably reduce the number of bacteria and polluting substances in the air safely.

## **Longevity**

The extremely efficient UV lamp only needs to be replaced after 8.000 working hours. If you use the UV lamp 24 hours a day, you can use it for 12 months. The UV lamp can easily be replaced.

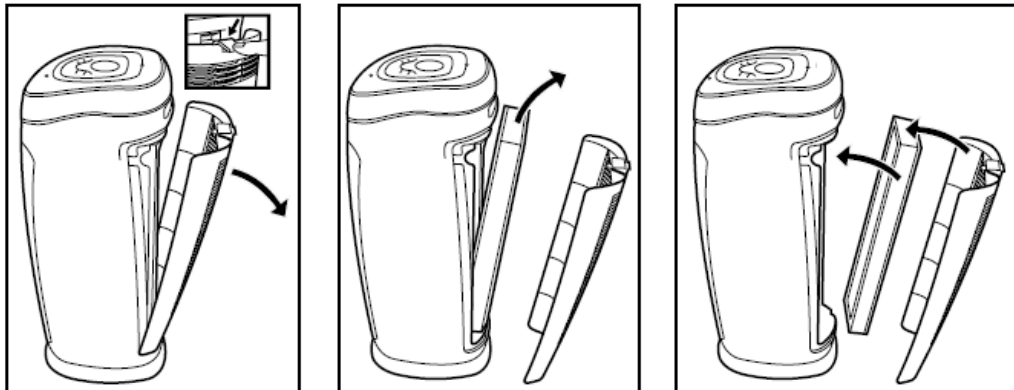
# Cleaning and maintenance

## Cleaning the outside of the device

1. Switch off the device and pull the plug.
2. Use a soft and humid piece of cloth to clean the device from dust and dirt.
3. Make sure that no water gets into the device.

## Replacement of filters

The Clean Air Optima air purifier CA-506 is equipped with a filter monitor that shows when the filters need to be replaced. When the moment of replacement has come, the air purifier will make a 30 seconds long sound after which the **HEPA RESET** lamp will lighten up. Replace the filters according to the instructions below. Restart the air purifier by resetting: after the replacement of the filters, insert the top of a pen into the HEPA RESET area on the control panel to restart the system.

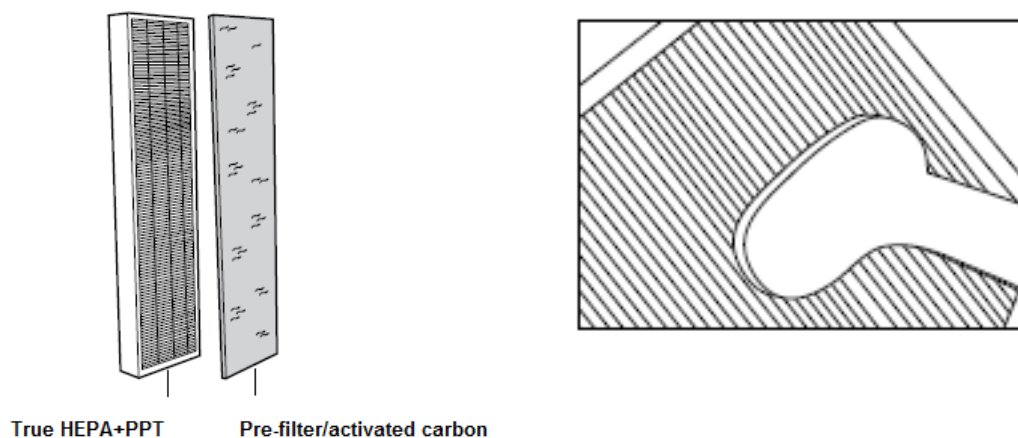


1. Switch out the device and pull the plug.
2. Press on the release button and remove the rear cover.
3. Remove the used activated carbon pre-filter.
4. Remove the used HEPA filter from the device.
5. Unpack the new filters.
6. Position the HEPA filter into the purifier (pay attention to the arrow on the filter for the correct direction).
7. Position the activated carbon filter into the back part of the device.
8. Position the rear cover and press until it snaps.

Depending on the use, the **HEPA filter** has a lifespan of 6-8 months and the **activated carbon pre-filter** can be used during around 12 months. **Filter cleaning:** the best effect is reached by cleaning the filters once a month. If indoor air is extremely polluted, more cleaning can be required.

Clean the **activated carbon pre-filter** and the **HEPA filter** with a brush or your vacuum cleaner. That way bigger dust particles like lint, hair and dander of pets can be removed from the filter.

### Combination filter



**Signs for used up filters:** increased sound, reduced air flow, congested filters, rising presence of smells. The filter needs to be replaced by a new one when the **HEPA filter** changes its color from white to grey or black. If the HEPA filter remains white, there is NO need to replace the filter.

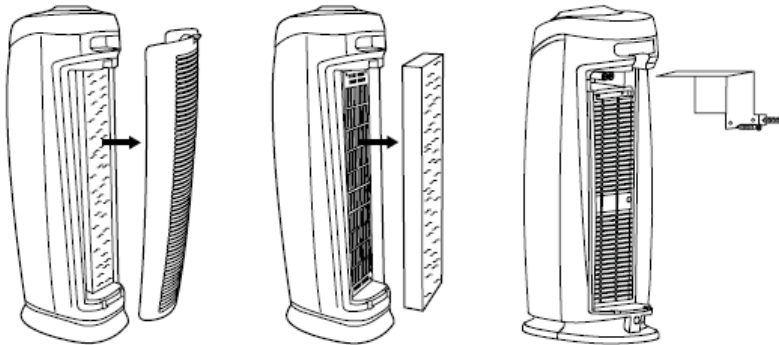
**Warning** Do never wet or rinse the **HEPA filter** with water.

### **How to order filters:**

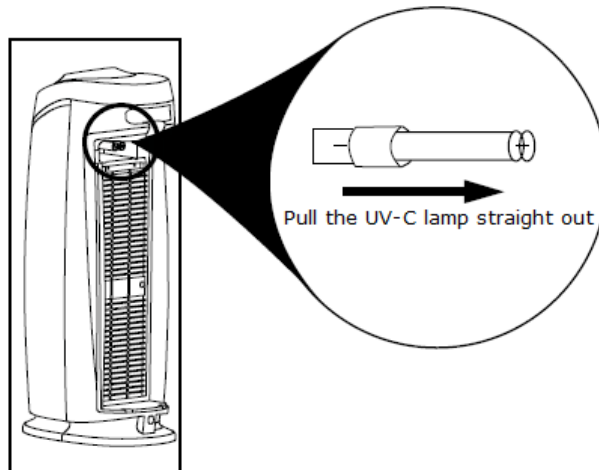
Contact Clean Air Optima Customer Service tel. + 31(0) 742670145 or visit our webshop:  
<https://www.cleanairoptima.com>



## **Replace the UV-C lamp**



1. Switch of the device and pull the plug
2. Press on the release button and remove the rear cover from the device
3. Remove the filters
4. Remove the screws from the TiO<sup>2</sup> metallic protection plate with a screwdriver
5. U can remove the UV-C lamp by softly pulling the lamp with a clean cloth or tissue



6. Reposition the UV-C lamp straight into the slot to snap it

**The UV-C lamp of the Clean Air Optima air purifier CA-506 has a lifespan of 8.000 hours = 1 year of 24/7 ussage**

### **Order the UV-C lamp**

Contact Clean Air Optima Customer Service tel. + 31(0) 742670145 or visit our webshop:  
<https://www.cleanairoptima.com>

## **Problem resolution**

<b>Problem</b>	<b>Solution</b>
The device does not work	Make sure the device is plugged in
The device switches itself off	Make sure the device is plugged in and the socket works Check whether the HEPA filter is well positioned in the device Check whether the rear cover is snapped
No air circulation	Unplug the device. Check whether the activated carbon pre-filter and the HEPA filter are clean. <u>Replace them if necessary</u>
Intensified noise	Make sure that the filters are clean. <u>Replace them if necessary.</u>
Long beeping	It is time to replace the filters, see chapter "Cleaning and maintenance"

## **Specifications**

- Ideal for rooms from up to 60m<sup>2</sup> / 150m<sup>3</sup> (645ft<sup>2</sup>)
- AHAM certified for rooms up to 20,4m<sup>2</sup> (220ft<sup>2</sup>)  
Maximum CADR: 131cfm (Dust)
- **6-fold filter technology**, 100% ozone free
- True HEPA filter capacity: > 99.97% of all particulate matter of 3 micron or bigger
- True HEPA filter surface: 0.75m<sup>2</sup> (8.07ft<sup>2</sup>)
- True HEPA filter provided with PTT (Pet Pure Treatment) coating
- UVC wavelength 254nm
- UVC spectrum >12 µW/cm<sup>2</sup> (on 1 meter distance)
- Fan capacity ca.220 m<sup>3</sup>/h
- Silent fan ca. 38 dB(A) (Low), 60 dB(A) (HI)
- 5 speed levels
- 8 hours timer
- Voltage AC 220V-240V/50Hz
- Maximum power consumption 48 watt
- Purifies, enriches and refreshes indoor air with 6.000.000 negative ions/cm<sup>3</sup>
- Digital control panel
- Dimensions 25,6 x 17,0 x 55cm
- Colours dark grey / silver grey
- Weight 4kg

### **Filter spectrum**

Dust / dust mite / particulates / bird dust, bacteria, germs / viruses, pollen and other allergens, mildew, mold spores, cigarette smoke, chemicals and volatile organic compounds (VOCs), as well as smells.

### **What does HEPA mean?**

HEPA signifies High Efficiency Particulate Air. HEPA filters are the most effective filters that can be found on the market. Clean Air Optima true HEPA filters catch 99.97% of all particulate matter with the size of 3 microns or bigger passing through the filter.

### **What does CADR mean?**

CADR or Clean Air Delivery Rate describes the amount of purified air (measured in cubic feet per minute or CFM) that an air purifier can deliver to a room. A high CADR shows a high capacity to deliver purified and clean air to the room.

**CADR: 112 (cigarette smoke) – CADR: 131 (dust) – CADR: 123 (pollen)**



### **What is AHAM**

AHAM (Association of Home Appliance Manufacturers) is an independent organisation that checks the test results of household appliances like air purifiers. AHAM is located in the US and certifies to the client that the Clean Air Delivery Rate (CADR) has been verified independently and is conform to ANSI /AHAM -1 "Method for measuring the performance of portable air purifiers".



Ask your retailer or your municipality for updated information regarding the disposal of the packaging and of the device.

## Service

### WARRANTY CERTIFICATE FOR THE **Clean Air Optima CA-506** **HEPA UV Ionizer Air Purifier**

**Date of purchase:** .....  
**Customers name:** .....  
**Address:** .....  
**Telephone:** .....  
**Email:** .....  
**Seller's name:** .....  
**Address:** .....

1. Please fill in completely this Warranty Certificate. Send it with the invoice and the unit, postage pre-paid and using the original packing box, to your distributor. Make sure to include the appropriate return postage for the package.
2. Please enclose a short description of the damage, fault or malfunction, and the circumstances under which these problems arose.

The **Clean Air Optima CA-506** is subjected to strict testing procedures before leaving the factory. If within one year from the date of purchase the product does not perform according to the specifications, because of factory defects, the purchaser is entitled to free repairs or replacement of parts upon presentation of this warranty (provided that the malfunction or damage to the device and/or parts occurred under normal operating conditions). What is covered: All parts defective in material and workmanship. For how long: one year from purchase date. What we will do: Repair or replace any defective parts. Exclusions: Regular replacement filters and UV-C Lamp.

#### **Other Conditions**

The provisions of this warranty are in lieu of any other written warranty whether express or implied, written or oral, including any warranty of merchantability or fitness for a particular purpose. The manufacturer's maximum liability shall not exceed the actual purchase price paid by you for the product. In no event shall the manufacturer be liable for special, incidental, consequential, or indirect damages. This warranty does not cover a defect that has resulted from improper or unreasonable use or maintenance, faulty assembly, accident, natural catastrophes, improper packing, or unauthorized tampering, alteration, or modification as determined solely by us. This warranty is void if the label bearing the serial number has been removed or defaced.



Clean Air Optima® is a Worldwide registered trademark