

Clean Air Optima UV Plasma Ionizer Air Purifier
CA-401

Manual



Thank you for having chosen the Clean Air Optima air purifier CA-401. Read these instructions carefully before you start using the purifier and keep the manual for later usage.

Introduction

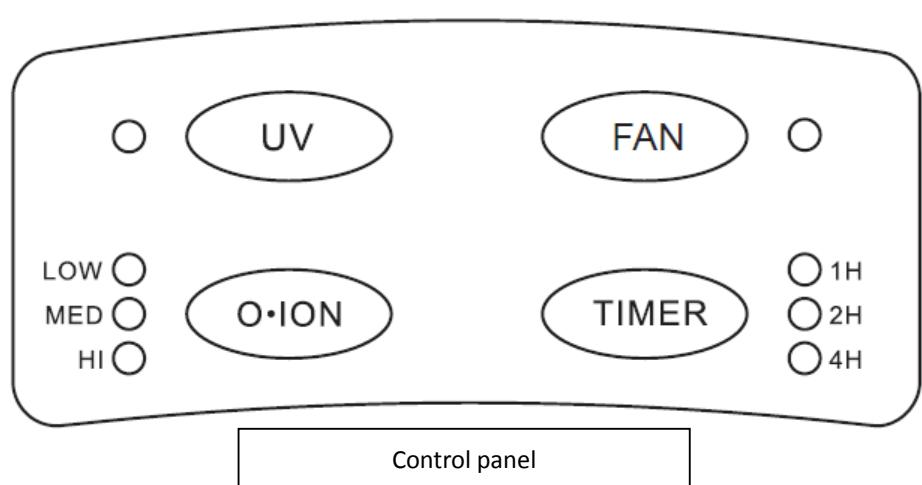
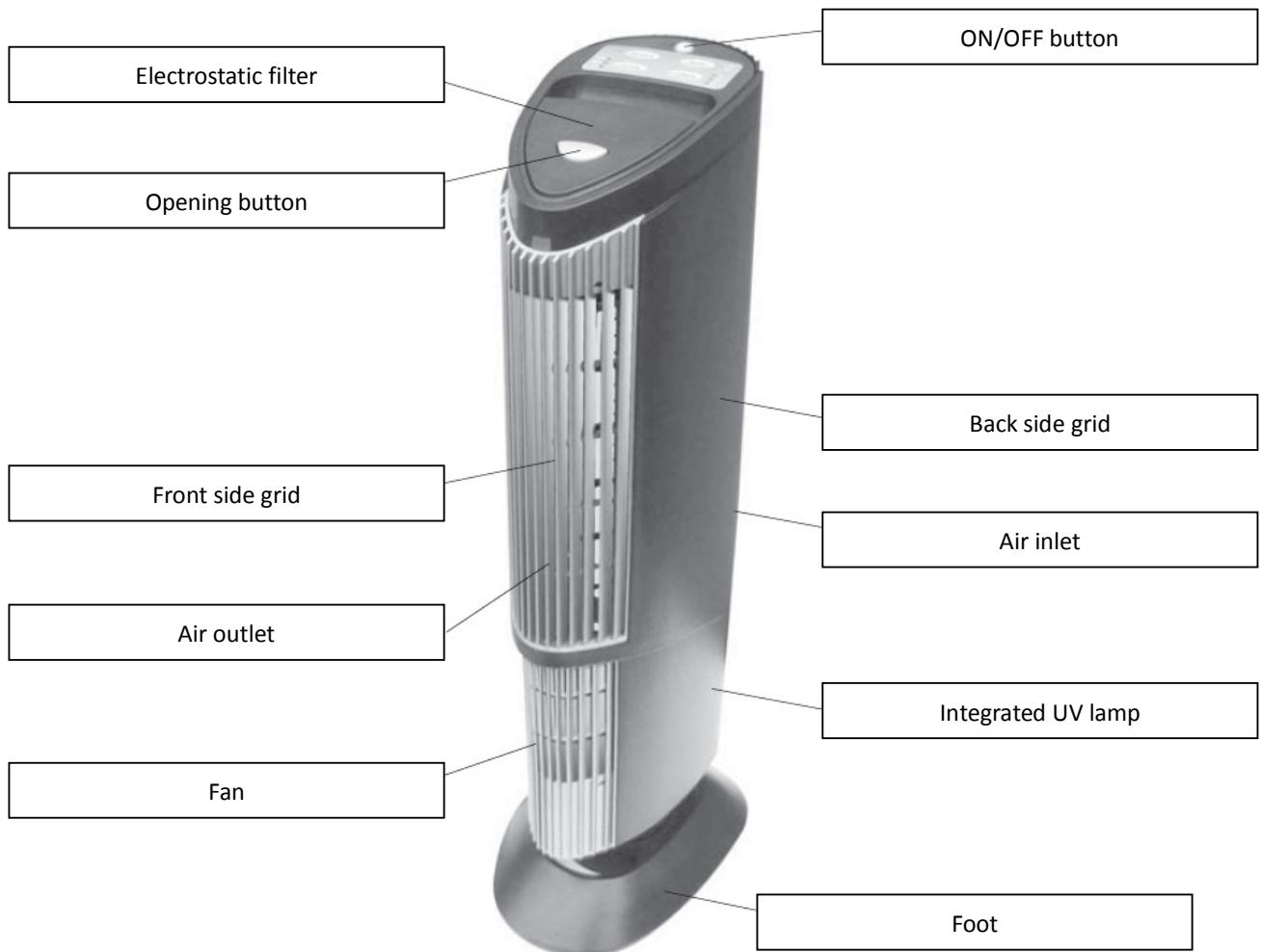
Clean Air Optima thanks you for purchasing this unique air purifier with high quality filter technology.

Indoor air pollution caused by particulate matter, biological and chemical pollutants represents an unavoidable health threat. The air purifier by Clean Air Optima offers an affordable and efficient answer to the problem.

Various filter technologies are combined within this air purifier. The device destroys monocellular organisms like viruses and bacteria with UV light.

Air purifiers by Clean Air Optima facilitate an effective filtration of dust, suspended matter, gaseous pollutants, particles and pathogenic germs inside your house.

Technical Diagram Clean Air Optima CA-401



Before use

Features

1. Destroys monocellular organisms like *viruses* and *bacteria* with UV light.
2. Filters *pollen*, *dust* and *smoke* indoors through ionization and electrostatic linking, even binds particulate matter with a size of 0, 01 µm / micrometers.
3. Fan can be turned on and off for a silent air purification, ideal for the bedroom.
4. Ionizes indoor air for better air quality.
5. The device is equipped with filters that do not need to be replaced but can easily be cleaned regularly.
6. Stylish, compact and energy saving device.
7. For rooms up to 60m²/150m³.
8. If you position the device in a smaller room like the bedroom regulate the air purifier into its lowest position „LOW“.

Security indications

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

1. Only use the device indoors.
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 use the device in rooms where inflammable liquids or gases are stored, close to heat sources or in particularly humid rooms like the bathroom.
8. Touch the device only with dry hands.
9. Pay attention to damages on the electrical cord. Never pull the device by its cord.
10. 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.
11. Do not clean the device with a vacuum cleaner.
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. Stay at least 30 cm away from the air purifier. If you stand closer to the device for a short time, then there is no danger. Never use the lamp for any other purposes.
13. Just like other ionization devices, this air purifier produces very small amounts of ozone (< 0, 05 particles per million). This substance can also naturally be found in the atmosphere and the levels reached by the CA-401 do not harm human health. If you are worried please consult your doctor.

Usage

Positioning

1. Position the device on stable and even ground.
2. For the air to flow correctly the device needs to be placed 30 cm from the walls and the furniture.
3. Make sure that the front air outlet of the device is turned out towards the next wall or piece of furniture. Make sure that the air outlets are not blocked.
4. Plug in.
5. Never place the device on unsecured ground.

Operation

1. Make sure that the filters are at the right place and that all parts are well fixed to the device.
2. Use the ON/OFF button (**POWER**) on the top of the device to switch it on. The button lightens up. Use the **O•ION** button to determine the level of purification. The „LOW“, „MED“, and „HI“ LEDs lighten up and show which level you have chosen.

LOW The air purifier produces negative oxygen ions for 15 seconds and pauses for 105 seconds.

MED The air purifier produces negative oxygen ions for 60 seconds and pauses for the next 60 seconds.

HI The air purifier produces continuously negative oxygen ions.

Choose the right setting depending on the size of the room and the degree of air pollution.

3. Press in the **TIMER** button to set the time for 1, 2, 3, 4, 5, 6 or 7 hours. The LEDs on the right side of the button show the chosen time.
4. Press on the **UV** button to switch the UV lamp on or off.

Certified technology The UV sterilization technology has been accepted for more than 50 years as a remedy. It is a secure alternative to reduce the number of bacteria and pollutants in the air.

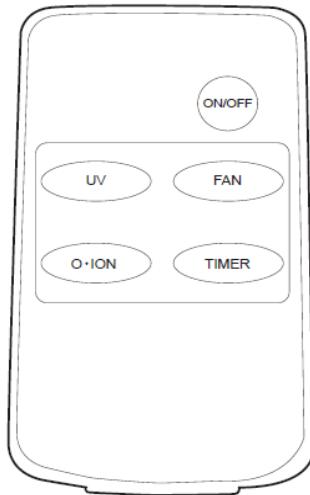
Long working life This extremely effective UV lamp only needs to be replaced after around 8'000 working hours. The lamp functions for around 12 months if you use it constantly (24 hours a day). The lamp can easily be replaced.

5. Press on the **FAN** button (for extra strong purification) to switch the fan on or off.

The device can also be controlled by five buttons on the remote control. These buttons correspond to the buttons on the device. The batteries must be placed correctly before you start to use the remote.

Placing and replacing the batteries

1. Open the section for the batteries at the backside of the remote control.
2. Position the button cell CR-2032 and pay attention to the correct polarization („+“ = positive, „-“ = negative).



Cleaning and maintenance

Cleaning of 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.
3. Make sure that no water gets into the device.

Pulling out and putting back the rustproof electrostatic filter

To pull out the rustproof electrostatic filter:

1. Switch off the device and pull the plug. Wait for a few minutes.
2. Press on the opening button on the upper side of the filter and pull the filter out of the device.

Warning Do never touch the metal parts of the filter since they could be loaded electrostatically. Discharge the metal parts before touching them for example on a heater.



Replacing the electrostatic filter:

1. Make sure that the plug is pulled out.
2. Replace the filter into the opening of the device.

Warning. Never put the filter back when it is still wet. Let the filter dry for at least 24 hours if you cleaned it with water.

Cleaning of the rustproof electrostatic filter

The electrostatic steel filter must be cleaned once or twice a week depending on the indoor climate.

1. Pull the plug.
2. Take the filter out of the device like described above.
3. Take the dust away from the metal parts of the filter with a soft and humid cloth.
4. Remove tenacious dirt with a sponge and some soap.

Do never put the filter under running water.

5. Dry the filter carefully and replace it after it is well dried like described above.

Attention: Do never put the filter back when it is wet.

Cleaning of the ionizer rail

The UV plasma ionizer air purifier CA-401 possesses a cleaning mechanism to scrape clean the rail of the ionizer. The scraping takes place when the electrostatic filter is taken out and put back into the device. Normally, we advise to clean the filter once a week. In order to clean it, pull the electrostatic filter 4-5 times out of the device and put it back.

UV Lampe

The UV lamp of the Clean Air Optima UV plasma ionizer air purifier CA-401 has up to 8'000 operating hours = 1 year of usage 24/7. When you need to replace the lamp you can order a new one under:

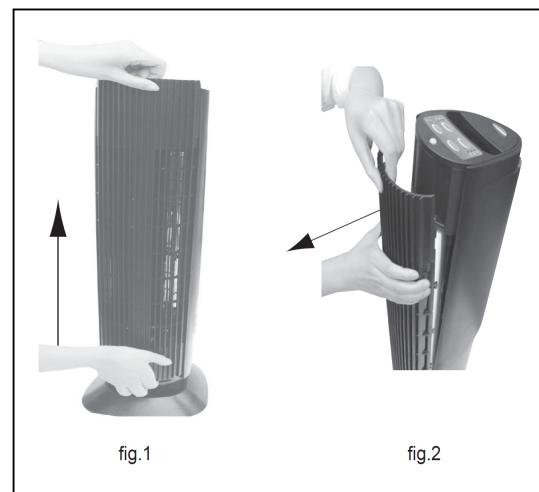
<https://www.cleanairoptima.com/productslist/accessoires/>

Replacement of the UV lamp

The back cover of the device can be taken away by pressing on the button located at the bottom side of the cover. The cover can then be pulled up. The UV lamp can be taken out with a quarter turn. The new lamp can be screwed in in the same way. Finally, put the cover back into place.

Warning

1. Do only remove the cover if necessary.
2. The device does not work if the cover is not correctly placed.





Advises for environment protection

This product cannot be disposed of in normal domestic waste, but must be handed in at a collection point for recycling of electrical and electronic devices. The symbol on the product, the manual or the packaging indicate the procedure.

The material is reusable according to its labelling. By recycling the material and reusing the devices you contribute to the protection of our environment.

Please ask your municipality for the responsible collection point or disposal location.

Service

Guarantee

Clean Air Optima guarantees that your purifier will work for 2 years without material or manufacturing defects after the first purchase. If there are material or manufacturing defects, Clean Air Optima shall repair them or provide you with a substitute equipped with the same or better features. Damages to the device that are caused by careless use, accidents, abuse, lack of cleaning and maintenance or other forms of handling the device which are not described in this manual do not fall under this guarantee. Moreover legal provisions concerning consumer sales are entering into force. In case of device failure, we advise to return it together with the original receipt and a short description of the deficiency. Please contact your retailer or Clean Air Optima if possible. If the problem is not a material or manufacturing defect, inquiry and repairing costs can be charged.

Contact

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Technical details Clean Air Optima CA-401

Negative ions emission	>2.000.000 ions/cm ³
Aktive oxygen	<0.05ppm
UVC wavelength	254nm
Longevity UV lamp	8.000h
Fan levels	1, not regulation
Airflow (max)	50 m ³ /h
Volume	<25db(A)
Ideal for rooms up to	60m ² / 150m ³
Power supply	AC 220V/50Hz
Timer	1, 2, 3, 4, 5, 6 and 7 hours
Colors	Dark grey with light gray grid
Energy consumption	25 watt
Dimensions	H 760mm x B 200mm x D 267mm
Weight	4,35 kg

