

## Dehumidifier

2in1: Dehumidifying & air purifying

**CA-704**

Manual



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

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# Introduction

**Clean Air Optima wishes to thank you for purchasing this unique dehumidifier 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 dehumidifier that represents an affordable and efficient answer to this threat.

## **Important Notice**

To prevent damage and voiding your warranty. Please place the unit in its right position for a minimum of two hours before operating. For best result from you portable dehumidifier please read this instruction manual carefully and save it for future reference.

## **Directory**

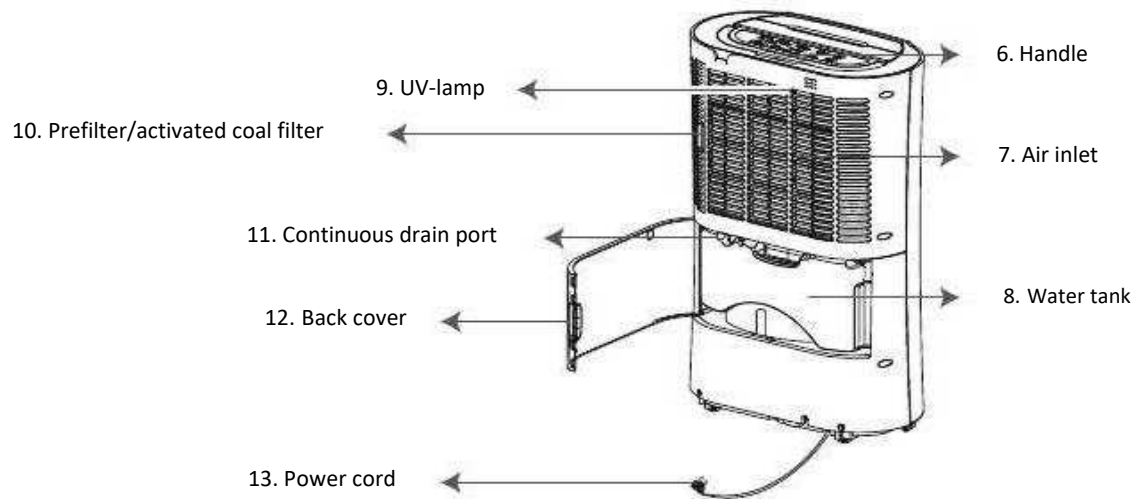
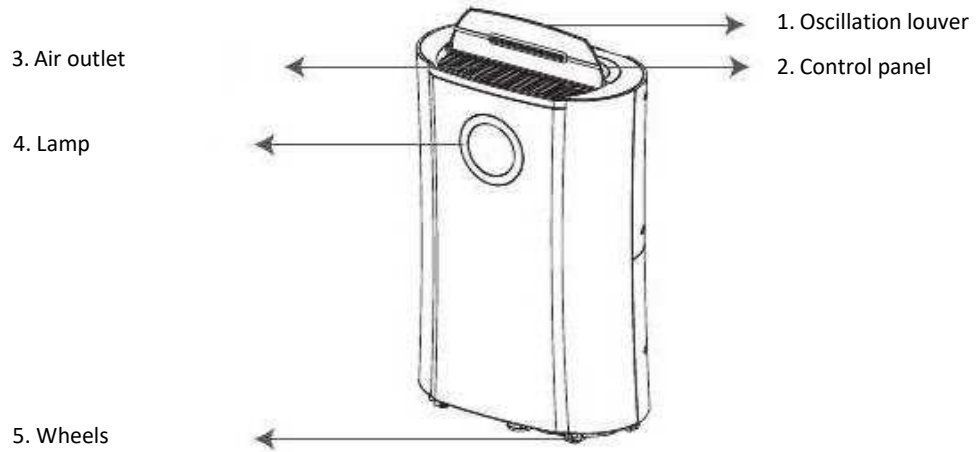
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# Important safeguards

When using electrical appliances, basic safety precautions should always be followed including the following:.

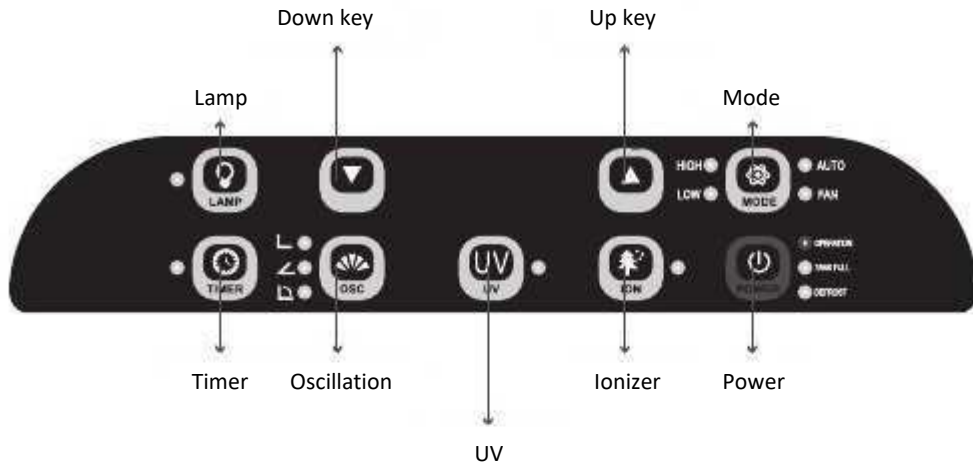
1. Leave the appliance to stand for at least two hours before power on, especially after transportation.
  2. Make sure that the voltage matching with the relevant data indicated on the rating label.
  3. The socket must be with grounding.
  4. Keep the appliance dry. Make sure that there is no water on the top of the body.
  5. Do not unpin the plug when the appliance is working.
  6. If moving needed, please switch it off and unpin the plug.
  7. Allow a free space of 20 cm around air inlet and air outlet of the appliance.
  8. Do not insert any object into the air inlet or outlet openings.
  9. Do not place the dehumidifier near a heating source (esp. a radiator) or indirect sunlight. Ensure that the appliance does not become hot.
  10. Empty the tank regularly. (In extreme conditions the water tank may be full after a few hours operation)
  11. Clean the air inlet filter if it becomes contaminated: the appliance is most effective when the filter is clean.
  12. Please do not expect the dehumidifier to be effective when too many doors or windows are opened or when something in the room is producing a lot of humidity.
  13. If the cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- a) This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- b) Children should not play with the appliance
- c) Cleaning and user maintenance should not be made by children without supervision.
- d) The refrigerant in this unit with a fluorinated greenhouse gas covered by the Kyoto Protocol, which dangerous for the environment and fot the global warming if it is enters into atmosphere.
- e) Chemical name of the refrigerant (R-134a) is a fluorinated greenhouse gas covered by the Kyoto Protocol, its global warming potential(GWP) is the 1430.

# Technical diagram



# Usage

## Control panel



### Power

Starts or stops appliance.



### FAN (Ventilation Key)

FAN (Ventilation Key): press 'MODE' key to select 'FAN', and 'FAN' indicator light comes on.



### MODE Control

Select the functions of the unit for: AUTO/HIGH/LOW and FAN. The appliance will go. AUTO function the first time it is switched on and remains in this mode until other type programming is chosen.

Depending on your relative humidity conditions, turn the fan speed switch to high or low.



### Lamp

Start the appliance, the lamp will turn on automatically. The lamp color will change according to the humidity condition (with 100 seconds as interval between color changing).

- Red color means high humidity  $RH \geq 80\%$
- Green color means comfortable humidity  $80 > RH \geq 60\%$
- Orange color means dry  $RH \leq 60\%$

Press 'LAMP' key, the lamp will be off or on

### OSC (oscillating function)

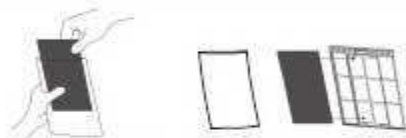


There are three different directions, 45/90 degree and universal, the louvers will move or fixed as select positions

### ION (ionization function)



To select 'ION', press the 'ION' key and the light will come on. An ion can refresh the air, it's so called air vitamin.



### Carbon filter (deodor function)

Take out the carbon filter from the bag and insert it on the filter. See picture above.

- Clean the filter 1x every 2 weeks with a vacuum cleaner
- Replace the filter 1x every 3 months

### Order?

<https://www.cleanairoptima.com/accessoires/mg/44>  
(contact the customer service)



### UV (Sterilization function)

.To select 'UV' press the 'UV' key and the light will come on.



### Humidity setting

Press UP / DOWN key to select the desired relative humidity level, default relative humidity is 55%. Relative humidity 35% is selected, the compressor will not stop until water tank full.

UV (Sterilization function): To select 'UV' press the 'UV' key and the light will come on.

FAN (Ventilation key): press 'MODE' key to select 'FAN' and 'FAN' indicator light comes on.

### Defrost



The appliance will defrost automatically as programmed once the coil sensor detects temperature below some figure, and the defrosting indicator will light up at the same time. Once defrosting finishes, the appliance will recover the previous running mode.



### Tank-full

If the water tank is full, the indicator light comes on and flashes



### Timer (timer function)

Press timer to program time and 'TIMER' light comes on while timer is programmed. Before programming make sure that the timer function has not been activated (the light must be off)! The following timer programs are available:

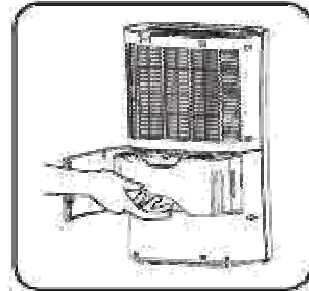
- Delayed power-on function (the appliance is in stand-by status) Use key 'UP' and 'DOWN' to set the time period (0-24 hours). The appliance will start once time reaches setting value.
- Delayed power-off function (the appliance is in working status). The appliance will stop once time setting value.

## Emptying the water tank

Empty the water tank regularly when full, the air dehumidifier turns off automatically and the tank full indicator is turned on.

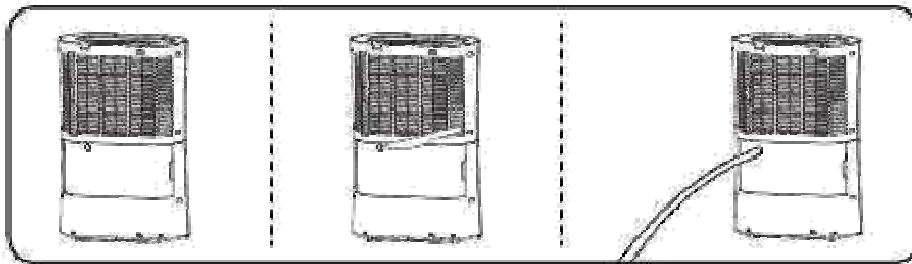
- Open the back cover of your device
- Hold the water tank by its handle
- Pull the water tank out carefully
- Empty the water tank

Return the empty water tank to its position after wiping it off from any water residue.



## Continuous drainage operation

Your device has a drainage port that allows you to have continuous drainage. Connect a 10mm diameter PCV pipe (optional - not provided in the package) with the drainage port located on back part of the unit, for continuous drainage purpose, as below figure. Ensuring the hose is directed downwards, allowing water to flow by gravity to an external drain. Ensure that the end of the hose is lower than the drain opening, otherwise the water will not drain and flooding may occur.

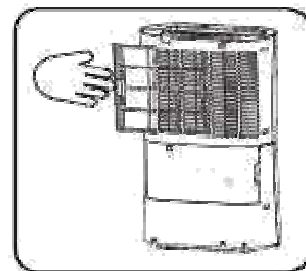


## Replacement and maintenance of air filter

When used regularly, the filter may become clogged with dust and particles. Therefore the filter should be cleaned every one or two weeks. Follow these steps:

- 1) Remove the filter by pulling it out carefully.
- 2) Clean the filter with a vacuum cleaner or with water.

Tap the filter to remove excess water and let it dry completely. Once you make sure that your filter is completely dry, re-install it on your device. Do not wash your filter in the dishwasher and never use hair dryers.

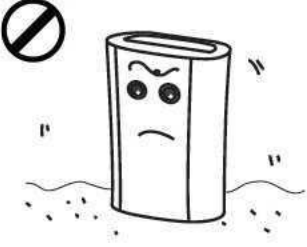
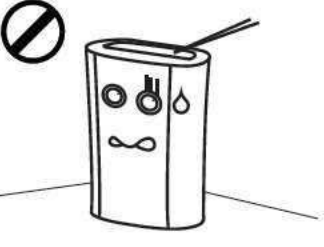
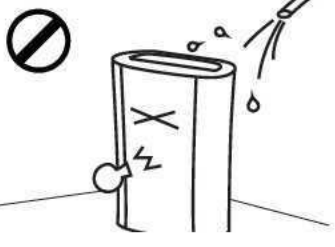
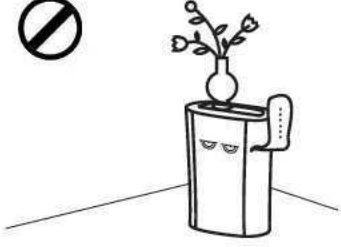
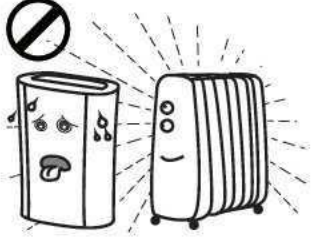


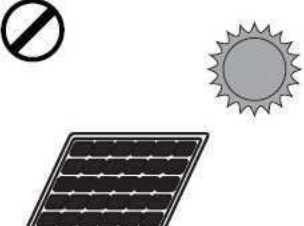
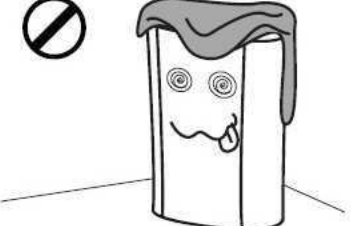
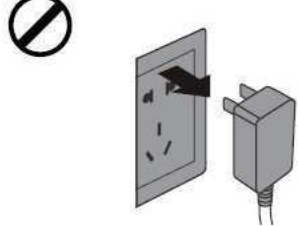
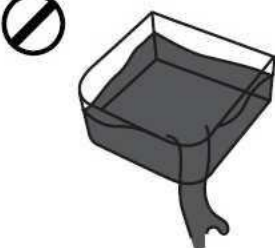
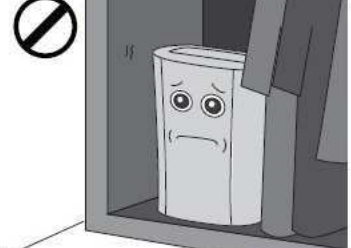


## Other notice

- 1) The machine uses the temperature range of 5° tot 32°C, please use the machine in this scope. (otherwise it will start the protection action, causing the machine automatically stop running)
- 2) At room temperature at 5° and the absolute temperature of the environment is very low. It is not necessary to use the machine.
- 3) When the machine is running, it will produce a small portion of the heat, the room temperature will be a little higher, this is a normal phenomenon, please feel at ease.
- 4) Automatically stop running, please send the water in the water drained, and put back to the water tank, the machine will continue to operate.
- 5) In order to ensure the normal operation, do not open the water tank float cover, or place any foreign body in the water tank.
- 6) When the machine can not start or unknown cause, please check the following steps:
  - 1) Check whether the plug or the power cord is normal
  - 2) Above all is normally, just please re-start the machine after 10 minutes.
  - 3) If you are still unable to start, please contact the local dealer or the company's customer service department.
- 7) Air inlet and outlet and the distance between the adjacent material to keep 15 cm above.
- 8) After the machine is stopped, please restart in five minutes to make sure that the machine is used for longer service life.
- 9) If the machine is a long time not in use, please unplug the power plug.
- 10) If the machine's inlet is frosting it will automatically defrost.



## Care and cleaning

 <p>Do not put the body on a soft uneven ground, in order to avoid vibration or sound.</p>	 <p>Do not use any fine rod, hard objects into the body, so as to avoid failure or danger.</p>	 <p>Clean the machine with a soft, slightly damp cloth. Do not use sprinkling water to avoid damage to electrical insulation.</p>
 <p>Do not place heavy or water-filled things on the dehumidifier.</p>	 <p>Do not place the device near a heat sources to avoid danger and waste electricity.</p>	 <p>Please close the doors and windows when used to achieve the effect of the desiccant.</p>
 <p>Please clean filter once every two weeks with water (no water above 40°, do not use alcohol, gasoline, toluene and other dangerous liquid).</p>	 <p>After cleaning the filter, please do not dry in the sun, to prevent distortion</p>	 <p>Do not put items above or around the body or the air outlet, to ensure that the effect of the desiccant air.</p>
 <p>Power failure or long-term no use, please unplug the power cable plug, so as to avoid leakage and fire.</p>	 <p>Before you moving the machine, pour out the water within the water tank.</p>	 <p>When not in use, please unplug the power plug to avoid danger.</p>

## Fault code

Code	Failure
E1	Room temperature (ambient temperature) sensor for short circuit
E2	Room temperature sensor open circuit
E3	Temperature sensor short circuit
E4	Temperature sensor short circuit
E5	Coiler temperature sensor short circuit
E6	Coiler temperature sensor open circuit

## Trouble shooting

When the following problems occur, please contact the local seller or customer service:

- 1) When the fuse breaks
- 2) When water or other dirt get's into the machine
- 3) When the power line or plug is abnormally hot.

Please check your machine with the following steps

Issues	Please check as following
The operation switch is "ON" but the machine is not operating	<ol style="list-style-type: none"> <li>1) Water tank placed correctly?</li> <li>2) Power plug inserted correctly?</li> <li>3) Is the fuse broken?</li> <li>4) Is the power on?</li> </ol>
Low dehumidification performance	<ol style="list-style-type: none"> <li>1) Is the front net dirty?</li> <li>2) Is the interior temperature and humidity too low?</li> <li>3) Is the air outlet or air inlet blocked?</li> </ol>
Long time operation cannot reach the suitable humidity condition	<ol style="list-style-type: none"> <li>1) Are there opened doors or windows?</li> <li>2) Is the interior space too big?</li> </ol>
The machine is making noise	<ol style="list-style-type: none"> <li>1) Is the floor flat and hard?</li> <li>2) Is the dehumidifier in the right position?</li> </ol>
The lamp is continuously on	<ol style="list-style-type: none"> <li>1) Is the temperature or humidity sensor damaged or loosen?</li> </ol>

## Specifications

- Dehumidification capacity: 10 liter / day (30°C/Rv80%)
- Fan air flow: 120m<sup>3</sup>/h
- Suitable for rooms up to: 40m<sup>2</sup> / 100m<sup>3</sup> / 430ft<sup>2</sup>
- Dimensions: 580x380x195mm (HxWxD)
- Noise level: <39dB(A)
- Weight: 14,3kg
- Color: White/Black
- Power supply: 220 – 240V, 50Hz



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-704 Dehumidifier - 2in1: Dehumidifying & air purifying**

**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-704** 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.

### **Contact**

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48592 Nordhorn

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