

OZONOS®

 MADE IN AUSTRIA



OPERATING & MAINTENANCE MANUAL

AIRCLEANER AC II SMART STANDARD / AC II SMART PRO



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Read this operating and maintenance manual through carefully, before you activate your OZONOS® Aircleaner. You can find a digital version at ozonos.com/manuals

1. GENERAL SAFETY PROVISIONS AND WARNINGS

Read the operating manual through carefully before you activate your OZONOS® Aircleaner, and always observe the following safety provisions:

- The device may only be used with the NEO030.0-I-X-12 power supply delivered with it.
- The device is not suitable for outdoor use and may not come into contact with water.
- The device may not be used in areas with heavy dust accumulation and explosive mixtures of vapours.
- The device may not come into contact with lubricants.
- The OZONOS® Aircleaner should be kept clean and free of dust.
- Before any work on the housing or the UV-C-lamp, unplug the power cord from the outlet.
- Do not clean the housing or display wet.
- Never clean with undiluted/concentrated cleaning agent.
- Clean the fan using only a brush.
- This device can be used by children age 8 or older as well as by persons with limited physical, sensory, or mental abilities or deficiencies in experience and knowledge, if they are supervised or have been instructed in the safe use of the device and understand the resulting dangers from its use. Children may not play with the device. Cleaning and user maintenance may not be performed by children without supervision.



WARNING

2. GENERAL

2.1 General description

The OZONOS® Aircleaner is designed for indoor rooms up to a maximum size of 50 m². It improves the air quality in the room after a short use and rids it among other things of bacteria, germs, viruses, aerosolized fats, fungal spores, pet and mite allergens, pollens, allergens, paint odours, house pet odours, odours from solvents, cooking, or cigarette smoke. The odour neutralisation and decontamination of the air that the OZONOS® Aircleaner performs provide the following benefits:

- Purely physical process
- No chemicals used
- Ozone is generated below the naturally occurring concentration
- No hazard at all for people or animals
- No pollution
- Does not generate by-products hazardous to human health
- No use of filters
- No microbiological processes
- Low power use with high operational safety
- Easy maintenance
- CE-label
- TÜV Süd certified
- Produced compliant with ISO 9001: 2015

2.2 Function

- Decontamination using UV-C-radiation

Inside the OZONOS® Aircleaner, the air is decontaminated and cleaned. Bacteria, viruses, germs, fungus, yeasts, and microorganisms are destroyed. The special wavelength of the effective UV-C radiation used inside the OZONOS® Aircleaner has in this case the same effect as natural sunlight.

- Neutralizing odours with ozone (O₃ active oxygen)

Inside the OZONOS® Aircleaner, UV-C-radiation converts a portion of the oxygen in the air into ozone. Ozone has the property of oxidizing organic materials in the air. In this way, microorganisms, bacteria, and odours in the room's air are completely removed.

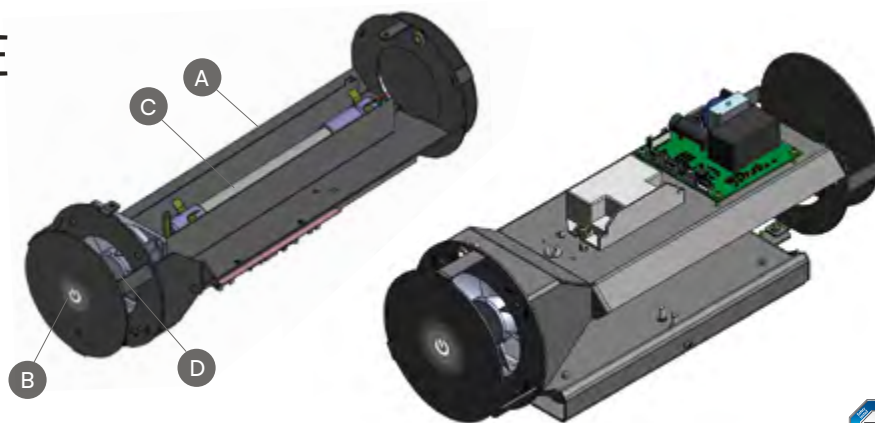
3. TECHNICAL DATA

CONFIGURATION	OZONOS® AC II SMART STANDARD	OZONOS® AC II SMART PRO*
RECOMMENDED ROOM SIZE	Up to 25 m ²	20 - 50 m ² Starting at 50 m ² a second device is recommended
UV-C-COATING	10 %	25 %
OZONE CONCENTRATION	0,048 ppm	0,115 ppm
UV-C-LAMP	1 x 8 Watt, power consumption: 14 Watt, Sustainability of the UV-C-lamp: 8.000 - 10.000 operating hours	
AIR THROUGHPUT PER HOUR	ca. 55 m ³ ca. 25 m ²	
NOISE EMISSIONS	37 dB	
DIMENSIONS	Length: 400 mm • diameter: 130 mm • weight: 3,2 kg	

* The Pro-device was specially designed for larger rooms up to 50 m². It was developed for rapid and intense air cleaning. For this reason, we recommend that this device not be operated for longer than eight hours constantly in very small, unventilated rooms under 4 m² or to use the Standard variant.

4. STRUCTURE

- A Housing
- B Display
- C UV-C-lamp
- D Fan



Produced compliant with ISO 9001:2015

5. OPERATION

5.1 Placement

Place the device on a solid sub-surface ca. 2 metres above the floor (if possible e.g. on a storage rack or cabinet), to facilitate optimal air circulation. Warm, humid air rises. To obtain the maximum effect, the device should not be set up near an exhaust fan. Note that the minimum room size should be 55 m³.

5.2 Activation and operation

- Operating the device

1. Plug the round pin connector into the device and connect the OZONOS® Aircleaner in with the main power cord.
2. The OZONOS® Logo will appear on the display for 5 seconds (B) and then switch to the on-/off-screen.
3. To turn on the air cleaning device continuously, touch the white on/off screen. The on-/off-screen will glow blue while operating.
4. When the device is switched off, you will see the timer by swiping left. It will show values of 60 minutes, 90 minutes, 120 minutes, 240 minutes. By tapping the checkmark ☑ at the bottom, you activate the time. It will now glow blue.
5. During operation there will be a quiet humming sound.
6. The device can warm up during operation.
7. When the screen darkens, just touch it to increase the brightness. To end continuous operation, tap the on/off screen. It will now glow white. When the timer runs out, the device will automatically shut down. You can also stop the timer by tapping the ☑ symbol.

- Operating with the remote control

1. Plug the round pin connector into the device and connect the OZONOS® Aircleaner in with the main power cord.
2. The OZONOS® Logo will appear on the display for 5 seconds (B) and then switch to the on-/off-screen.
3. Tap ON to activate the device. Tap OFF to shut it off. Tapping one of the numbers will activate a timer set for 60, 90, 120 or 240 minutes. When the timer runs out, the device will shut down automatically.

- Operating from the cloud

1. Plug the round pin connector into the device and connect the OZONOS® Aircleaner in with the main power cord.
2. The OZONOS® Logo will appear on the display for 5 seconds (B) and then switch to the on-/off-screen.
3. Register your device with your home network and set up a cloud account following the "Quick Start Guide-WLAN".
4. The device displayed can be continuously turned on or off using the slider.
5. In the cloud, you can set individual timer using the button "set up new automation" with run times of 60, 90, 120 or 240 minutes.
6. When the timer runs out, the device will automatically shut down.

Complete instructions
with video:

ozonos.com/manuals



5.3 Duration of treatment

The OZONOS® Aircleaner is designed for constant use in indoor rooms. The optimal use of the OZONOS® Aircleaner will be determined by the type of use, by the type and degree of contamination in the room's air, and the size of the room. To eliminate odours in a room of 55 m³ / ca. 25 m² you will need, depending on the contamination, two to four hours of treatment. Constant use is recommended for persons who tend to have allergic or asthmatic reactions.

The OZONOS® AC II SMART PRO was designed specifically for larger rooms up to 50 m². It was developed for rapid and intensive air cleaning. For that reason, we recommend that it not be operated for more than eight hours continuously in very small, unventilated rooms under 4 m², or that you switch to the standard-variant.

The OZONOS® AC II SMART PRO is especially well-suited for professional use and for rapid, intensive cleaning

5.4 Display / menu guide

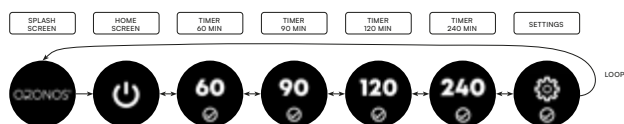
The display can be used under the following conditions:

Absolute limits		
Ambient operating temperature	- 5 °C	+ 60 °C
Storage temperature	- 10 °C	+ 70 °C
Recommended limits		
Recommended ambient operating temperature	0 °C	+ 45 °C

If the device is exposed to the maximum rated conditions for a prolonged period of time, this may impair the reliability of the device.

The menu guide is divided into two levels.

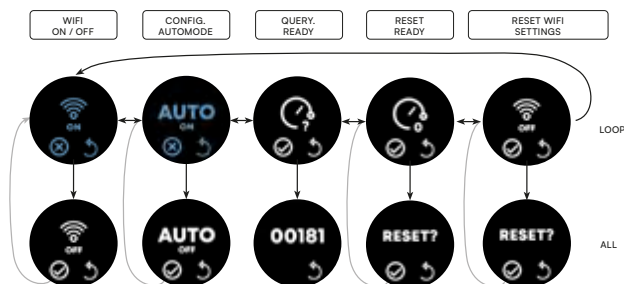
1. Main menu:



Tapping on the given checkmark will activate the action level. When you tap on a timer, the display will darken after 5 minutes and after another 5 minutes the display will shut down.

2. Sub-menu

Using the settings option you open the second sub-menu level:



If the device is shut off and no action is completed, the display will shut off after 30 seconds.

6. OPERATIONAL LIFE OF THE UV-C-LAMP

The operational life of the UV-C-lamp (C) is ca. 8,000 - 10,000 operating hours. On reaching 8,000 operating hours, Fault F02 will appear on the display and in your cloud. If you don't have one in your inventory, please order a new UV-C-lamp.

On reaching 10,000 operating hours, Fault F03 will appear on the display and in your cloud. In order to assure that your device continues to be reliably effective, the lamp needs to be replaced now. If performance declines before reaching 10,000 operating hours or 36 months, you need to check whether the lamp is dusty or fouled. To this end, please follow the instructions in Point 7.1 or send the device to OZONOS GmbH for testing.

Link to replacement part shop:

ozonos.com/accessories



7. MAINTENANCE & REPLACING THE UV-C-LAMP

Device maintenance must be performed by an electrician.

7.1 Cleaning the housing, the UV-C-lamp and the display

Keep the OZONOS® Aircleaner clean and free of dust.

Before any work on the housing or the UV-C-lamp, unplug the power cord from the electrical outlet.



WARNING

This device contains a UV-emitter.
Do not look into the light source.

UV-C-Radiation

Before you open the housing of the OZONOS® Aircleaner, it must be shut down and the power supply unplugged from the power outlet.

When opening the housing while in operation, there is the danger of optical irradiation by UV-radiation. This can cause extremely painful inflammation of the conjunctiva (conjunctivitis) and skin irritations!

If the device is improperly used, or used while the housing is damaged, dangerous UV-C radiation can be released, which can harm the eyes and skin in even small doses.

- Cleaning the housing

Please do not clean the housing of the OZONOS® Aircleaner wet (optimal would be a slightly dampened microfibre towel). Do not use any chemical agent.

- Cleaning the UV-C-lamp

The UV-C-lamp inside the OZONOS® Aircleaner should be cleaned as needed — with normal use after around 36 months. Proceed as follows:

1. Shut off the OZONOS® Aircleaner using the display (B), the remote control, or the cloud. Unplug the power cord.
2. Open the housing on the underside by loosening the two mounting screws using a size 10 Torx wrench and lift the cover.
3. Open the cover over the UV-C-lamp using the Torx-wrench.
4. Unplug the connector from the UV-C-lamp (C).
5. Remove the UV-C-lamp from the two clamp holders.
6. Use a dry, fine, soft brush to remove dust from the lamp.
7. Clean the fan with a brush.
8. Put the cleaned UV-C-lamp back into the clamp holders. Then put the cover back on and lock it in place with the mounting screws.
9. The OZONOS® Aircleaner is once more operational.

- Cleaning the display

Please do not clean the display wet (a slightly dampened cloth would be optimal). Do not use any chemical cleaning agents. Never use any undiluted/concentrated cleaning agent. Always use pH neutral agents to clean.

7.2 Replacing the UV-C-Lamp

1. Shut off the OZONOS® Aircleaner on the display (B). The control lamp will go out. Unplug the power cord.
2. Open the housing on the underside by loosening the two mounting screws using a size 10 Torx wrench and lift the cover off.
3. Open the cover over the UV-C-lamp using the Torx wrench.
4. Unplug the connector from the used UV-C-lamp (C) and remove it from the two clamp holders.
5. Put the new UV-C-lamp back into the clamp holders. Then put the cover back on and lock it in place using the mounting screws.
6. Re-set the operating hours counter to zero using the menu option "Settings/re-set operating hours", as described under Point 5.4.
7. Put the cover back on the housing and then lock it in place using the two mounting screws. The air cleaning device is now operationally ready.

7.3 Conduct during malfunction

Before working on the housing or the UV-C-lamp unplug the power cord from the outlet.

If the main power connection on this device is damaged, you need to have it replaced by the manufacturer or his customer service or a similarly qualified person in order to avoid hazards.

If the device malfunctions (no power, no sound) or it is in an abnormal state (penetration by foreign objects, spilled water, smoke or an odour coming out of it), shut the device down immediately, pull the power cord and contact your dealer and/or the manufacturer. Devices which are obviously damaged may not be operated.

7.4 Operating instructions

This device can be used by children age 8 or older, as well as by persons with limited physical, sensory, or mental abilities or deficiencies in experience and knowledge, if they are supervised or have been instructed in the safe use of the device and the risks that can proceed from it. Children may not play with the device. Cleaning and user maintenance may not be performed by children without supervision. Our devices are continuously end-tested and leave our company having undergone an ozone test. Should you nevertheless perceive a very strong ozone smell or experience symptoms like (sudden) headaches, watering eyes, nasal irritation, or difficulty breathing in proximity to the device (at a distance of 60 cm from the device), contact our customer service immediately.

7.5 Information about disposal

Electric devices, their accessories, and packaging should be disposed of in environmentally friendly recycling.

FOR EU-COUNTRIES ONLY:



Do not throw electrical devices into your normal household waste but recycle it according to the EU-guidelines

8. FAULT DESCRIPTIONS

Fault messages and trouble shooting

Fault code	Description	Instruction
F01	General device cleaning Fault every 1,500 operating hours, customer will also be informed by cloud per email	Please clean your device.
F02	Prepare to replace the UV-C-lamp Fault at 8,000 operating hours, customer will also be informed by cloud per email + link to accessories in the OZONOS® shop	If not in your inventory, please order a new UV-C-lamp. Max. operating hours will soon be reached. ozonos.com/accessories
F03	Replace UV-C-lamp Fault at 10,000 operating hours, customer will also be informed by cloud per email + link to accessories in the OZONOS® shop	Please replace the UV-C-lamp.
F04	Fan blocked or fault in fan	Please unplug the device from the power outlet and re-start it. Remove any foreign objects.
F05	Lamp fault	Please unplug the device and re-start it.
F06		Contact customer service!

9. TERMS OF WARRANTY

The manufacturer provides a two-year warranty on the sound composition and proper fabrication of the material in OZONOS® Aircleaner. The purchase receipt acts as the warranty card. Warranty claims are voided if the defect in question is attributable to improper handling or normal wear if a third party made changes to or interfered in the device. In the case of a warranty claim, contact your OZONOS®-dealer and/or the manufacturer. The UV-C-lamp is excluded from the warranty. It has an operational life of ca. 8,000 - 10,000 operating hours.

Aerosolized fats (e.g. in kitchens) can cause the display to come loose from the faceplate. This does not justify a warranty claim. Over time, the polarization film on the display can and will become visible due to wear (use, cleaning). This is a natural result of wear and tear and does not justify a warranty claim. The soft polarisation film is sensitive to sharp tools, and these can negatively influence the device's functionality. Furthermore, mechanical impacts can cause "zebra stripes", jagged lines in the display, defective background lighting, or non-homogenous colour displays. This does not justify a warranty claim.

Changes reserved.