

USER MANUAL

AIR MENTOR The disinfection gun



Table of contents:

1. Safety first
2. Description of the device and purpose
3. Instructions for operation
4. Maintenance and troubleshooting
5. Warranty and declaration of conformity
6. Additional information regarding environmental protection and decommissioning

1. Safety information

	Attention
	Train the device user carefully in the use of the device, its applications and the associated risks. Make sure that this manual is read and understood by all users of the device. Make sure that this manual is available to the users of the device at all times.

1.1 Use

The device is an atomiser, which is only suitable for indoor applications. The device is an atomiser, which is only suitable for indoor applications with Air Mentor Peroxide 7.5 disinfectant agents with a maximum hydrogen peroxide content of 7.5%. The purpose of the device is to convert the disinfectant liquid used into tiny particles, and to atomise these within a room, allowing even disinfection of all uncovered surfaces (3-D disinfection) within the room. This device is intended for use in hospitals, clinics, public transport, as well as in residential, commercial and industrial areas. It is an additional measure for regular cleaning and disinfection of room surfaces. The pre-cleaning protocol is determined by the relevant health body. Make sure that surfaces are dry prior to atomisation, to maximise the effect.

	Attention
	Risk of damage! This device atomises chemical substances! The area to be disinfected must only contain objects which are necessary for its use. Objects made of sensitive organic materials, particularly antiques, paintings and valuable objects must be removed!

1.2 Improper use

Always exclusively use suitable Air Mentor disinfecting agent with a maximum hydrogen peroxide content of 7.5%. The use of other disinfectants or accessories, which are not expressly permitted by LiveGreen breaches the rules and can lead to serious injuries as well as damage of the device. The device is not designed for use as an independent disinfection process, but instead as an addition to regular cleaning and disinfection.

	Attention
	Risk of injury! There is a risk of explosion! Do not use flammable liquids! Always and only use Air Mentor Peroxide 7.5 disinfectant liquids.

1.3 Hazard and warning information

- **The device must be used in full compliance with this operating and maintenance manual.**
- **It is strictly forbidden to use the device within an explosion risk area or flammable atmosphere, in dusty areas and in areas where people or animals are present. It is essential to make sure that during the fogging process and during the waiting time afterwards no persons entered the room either intentionally or unintentionally.**
- **The device can only be operated with the original mains power cable or a country-specific mains power cable with an earthing wire and plug. Before making the electrical connections, carefully check whether the voltage supplied is compatible with the voltage shown on the type plate of the device. All electrical installation work must be carried out by qualified personnel.**
- **The mains power socket must be easily accessible.**
- **Risk of injury if using non-approved accessories!**
- **Therefore only use original accessories from Air Mentor**
- **Place the device on a strong, flat, dust-free, non-slip, horizontal surface, which is suitable to carry the weight.**
- **Before removing the rear panel, the power supply must always be disconnected from the device.**
- **If fluid is present in the tank, the device must not be tilted, since the fluid may leak from the circuit.**
- **Carefully read all details on the label of the Air Mentor Peroxide 7.5 disinfectant.**

1.4 Authorised persons

The device must only be used by adults, who have been carefully trained in the operation of the device and are well informed regarding possible hazards and risks when using the device.

The users must always have a copy of this instruction manual available to them, when operating the device, and have read and understood all specific information on the label of the peroxides disinfectant being used.

This device is not intended for use by persons (including children) with restricted physical capabilities, sensory or mental capabilities or a lack of experience and knowledge.

Children should be supervised, to make sure that they do not play with the device.

Important safety information (read carefully before use)

Caution (atomised Air Mentor peroxide disinfectant):

- 1.** Once the Air Mentor has completed its disinfection cycle, the room will be full of atomised Air Mentor peroxide disinfectant. The disinfected room **MUST REMAIN UNDISTURBED FOR AT LEAST 120 MINUTES** after fogging. 120 minutes is the minimum waiting period, and does not mean that the room can be accessed safely again. The length of the waiting time increases with the atomisation quantity (ml/m³). For smaller rooms up to 10m³ the waiting time is 90 minutes.
- 2.** If renewed access to the room is required before completion of the treatment process or to carry out an H₂O₂ check, then for safe access, suitable personal protective equipment (PPE) must be worn, including safety glasses, a face mask (filter class ABE1) with hydrogen peroxide filter (e.g. mask 3M 4277 or 3M 7500 with 6057 filter) and gloves.

Caution (Air Mentor device):

A warning notice in this manual indicates a condition or practice which, if not corrected or stopped immediately, can lead to serious injuries or death.

- 1.** STORE OUT OF REACH OF CHILDREN.
- 2.** Read all instructions, warning-, caution- and first-aid information carefully before use.
- 3.** Only use according to the instructions.
- 4.** The device is designed for simple use. However it should only be used by suitably trained persons.
- 5.** Do not leave the device unsupervised between applications.
- 6.** Risk of an electrical shock. Do not plug in the plug if the plug or parts of it are wet.
- 7.** Only use a power supply cable provided by LiveGreen Air Mentor.
- 8.** Make sure that no water or other liquid can enter the device. If this is the case, allow the device to dry fully before use. Check the accuracy of all operating functions.
- 9.** Always pull the plug out of the socket before moving the device.
- 10.** Except the nozzle, there are no parts which need to be maintained by the user within the device. A user might may only carry out the maintenance procedures specifically described in this manual, all other repairs should be carried out by the manufacturer LiveGreen.
- 11.** Position the device on a safe surface, to prevent rolling or movement during operation.
- 12.** Never turn the device onto its side, unless it is completely empty and dry, since this can cause leaks and damage to electrical parts.
- 13.** Do not overfill the tank, since this can cause leaks and damage to electrical parts.
- 14.** Protect this device against severe shock and vibration.
- 15.** During use the housing of the device may become warm to the touch. Treat it with caution.
- 16.** Read the specific warning and precautionary information for the Air Mentor Peroxide disinfectant used.
- 17.** To ensure effectiveness and safety, only use Air Mentor Peroxide disinfectant.
- 18.** If you use a disinfectant from another manufacturer cleaning product this can cause serious injuries, explosions and environmental damage.
- 19.** LiveGreen is not responsible for injuries or damage resulting from the use of the device outside of the specific parameters described within the manual.
- 20.** Keep in a safe, dry location. Do not place objects onto the device. Store upright.

Exclusion of liability

LiveGreen rejects all claims or damage compensation or warranty claims if:

- The product is used for a purpose which is different to that shown in the operation manual.
- Regulations, standards or instructions in this operating manual are not complied with.
- The product is modified or transformed in any way.
- The product is repaired by an unauthorised dealer, and used with spare parts other than the original spare parts supplied by LiveGreen.
- Despite obvious defects or safety issues, the product is still used.
- The product is exposed to mechanical shock or is dropped onto the floor.
- Accessories are used which are not supplied or expressly approved by LiveGreen.

Disinfecting rooms with the Air Mentor atomiser

How to use the Air Mentor:

The Air Mentor and Air Mentor Peroxide disinfectant (use products with up to 7.5% hydrogen peroxide) can be applied for disinfecting hard, non-porous surfaces in rooms as an addition to regular cleaning and disinfection of the room surfaces. Air Mentor Peroxide ready-to-use products are recommended for use when fogging as an additional measure following regular cleaning and disinfection. The pre-cleaning protocol is determined by the health body. The more thoroughly the surfaces are cleaned beforehand, the more effective the additional disinfecting treatment will be.

After identifying a contamination the surfaces should be cleaned daily, or as required by their use.

- Users should familiarise themselves with the operation of the Air Mentor, by reading the user manual before the first time they use the Air Mentor. It is important that users of the Air Mentor follow all safety warnings, as set out in detail in this operation manual.
- **It is recommended for users to read the complete document before starting room disinfection.**
- **Before operating the machine always make sure that all parts of the machine are undamaged.**
- **Take particular care with the condition of the power cable. In the event of damage to the power cable, it must be replaced by the manufacturer and/or an authorised person.**

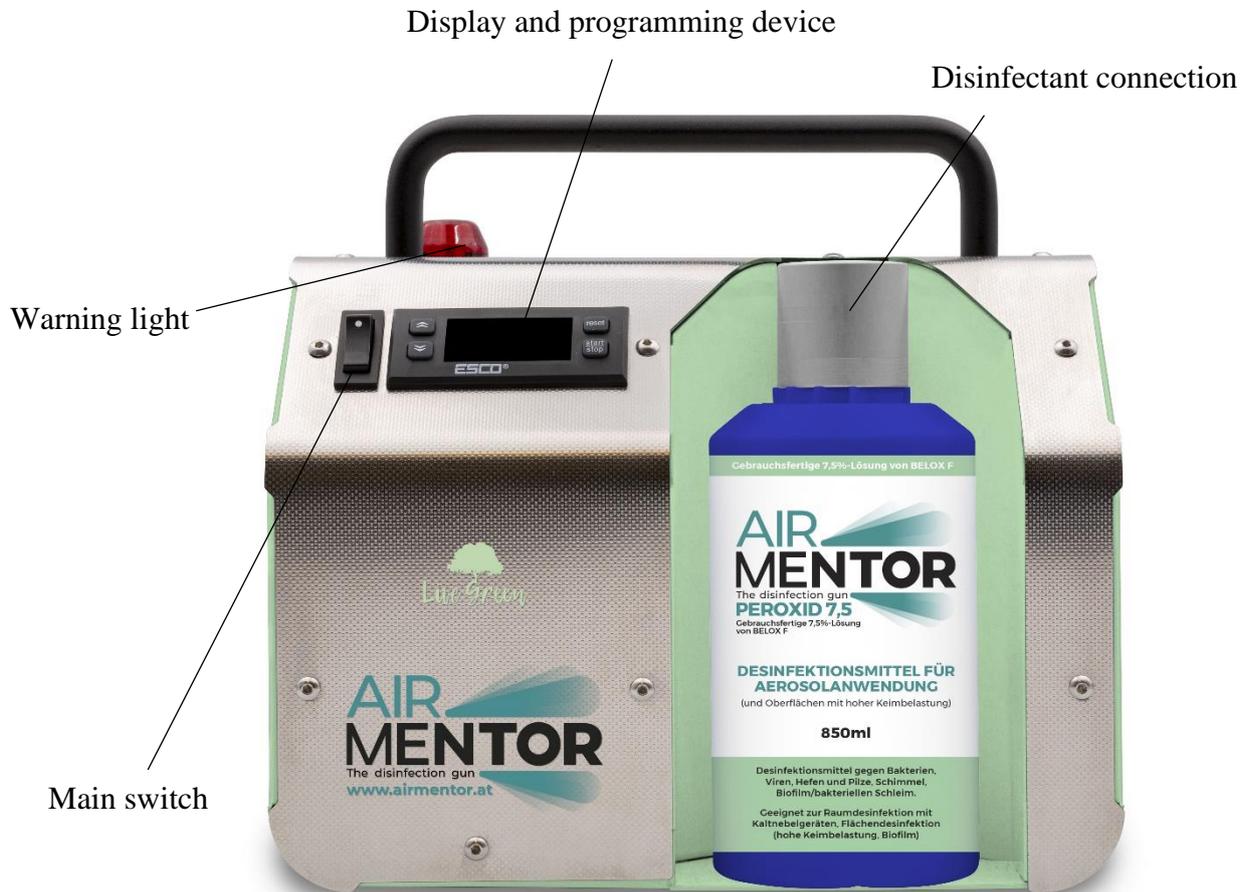
Please read this manual before you start up the Air Mentor!!

The LiveGreen GmbH (GF Daniel Bader) company from Wagna, Austria as the distributor of the AIR MENTOR machine cannot be held liable for injury or property damage caused by improper use or use by unauthorised persons.

Fundamental recommendation:

- Only use LiveGreen air disinfection solution with peroxide 7.5
- Make sure that the power cable is not damaged before you connect the power.
- Only insert an object in the nozzle for cleaning (needle)
- After starting up the AIR MENTOR leave the room and do not move the device after starting operation.
- The fogging can only be carried out in the absence of people and animals
- After the fogging process and the waiting time of 120 minutes (2 hours) or 90 minutes (for rooms up to 10m³) the device can be removed from the room to disinfect another room, or beforehand when using suitable protective equipment.
- It is important to secure the room against access during operation of the Air Mentor and after the soak time of the disinfectant.
- Before fogging all rooms should be subjected to normal cleaning.
- For best results thoroughly dry the surfaces before fogging.
- Authorised persons are users who have read this manual and understood it.
- We will be happy to advise you if you have any other questions at office@bader-group.eu

2. Description of the Air Mentor and the intended purpose



AIR MENTOR is a device for disinfecting room air. Due to the very fine mist, the disinfectant solution is atomised into tiny particles. This leads to a **highly effective disinfection** of all exposed surfaces. Due to the limited fill quantity of disinfectant AIR MENTOR is used for smaller individual rooms, but with enhanced mobility. The device is intended for use in: Hotel rooms, schools, kindergartens, hospitality venues, public transport, doctors' surgeries, hospitals, also for offices and private rooms. The atomisation of the disinfectant solution in the room is only the last stage of cleaning the room. Decontamination and atomisation is no substitute for normal cleaning protocol.

FOR OPTIMUM RESULTS CLEAN THE ROOM AND DRY ALL SURFACES BEFORE THE FOGGING.

The device consists of two main parts, a device body with a programming unit and a removable push-on cap for connecting the bottle.

3. Operating manual and information for use of the Air Mentor

WARNING!!!

Once the fogging process is completed, please do NOT enter the room for at least 120 min (2 hours) to allow the hydrogen peroxide to decompose.

It is recommended to wear a personal peroxide detector and personal protective equipment (ABE1 face mask for filtering peroxide, safety glasses, body protection and gloves).

Attention	
	<p>Risk of injury! This device atomises chemical substances! Do not breathe in these substances, when filling/emptying the tank always wear safety equipment and be aware of visual and acoustic warning signals. Carefully read all information on the safety data sheet of the disinfectant liquid and comply with it fully! Make sure that NO ONE is present in the room and place a warning sign on the entrance door when starting the system!</p>

Protective equipment:

- Safety glasses
- Face mask (filter class ABE1) or
- mask 3M 4277 or
- mask 3 M7500 with filter 6057
- Gloves
- Dräger test tubes hydrogen peroxide 0.1/a

Technical specification:

AC power supply:	220 - 240V, 50/60 Hz
Current:	1A (fuse max. 4A)
Power:	175W
Airflow:	50 L/min (3 m ³ /h)
Dimensions:	295x220x270mm
Weight:	9 kg
Relative sound intensities:	50dB
Peroxide for air disinfection	26ml/min

Display description



1. Main switch
2. Display
3. UP and DOWN button
4. Time setting T1 Countdown Timer (time to leaving the room)
5. Time setting T2 spray duration
6. RESET button / emergency stop button
7. START/PAUSE/STOP button
8. Signalling of the time setting

Room size:

Calculate the disinfecting time (T2) for your room size, see table on the Air Mentor.

Example: 4m x 5m x 2.5m = 50 m³ → 16 min (T2)

Switching on the Air Mentor



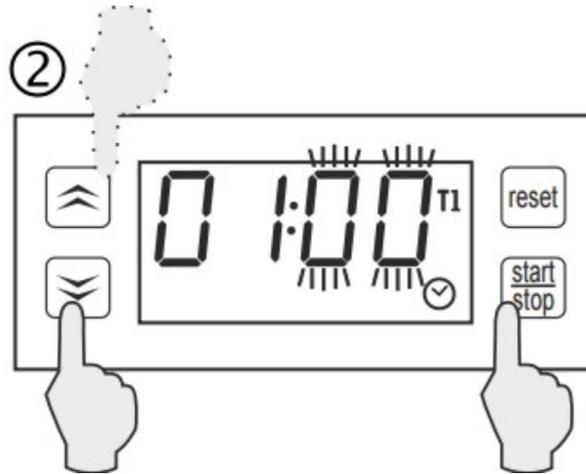
Press the main switch to switch on the Air Mentor.

TIME SETTING T1 Countdown Timer

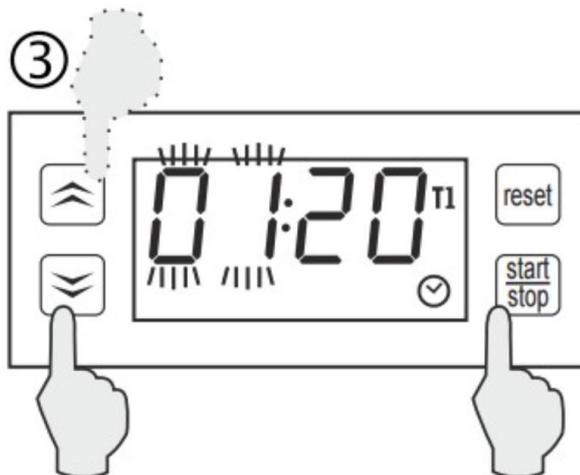
T1 is the time during which you can leave the room until the disinfection of the room starts



Press the UP button for 3 seconds. CLOCK symbol and T1 light up and the second display starts to flash.



With the UP and DOWN buttons. Set the seconds and confirm using the START/STOP button. The minute display then starts to flash again.



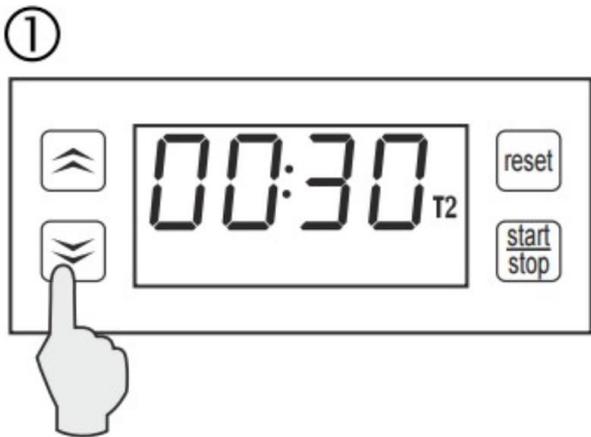
Use UP and DOWN to set the minutes and confirm with the START/STOP button. The numbers stop flashing.

NOTE: Press the RESET button at any time to cancel setting.

INFORMATION:

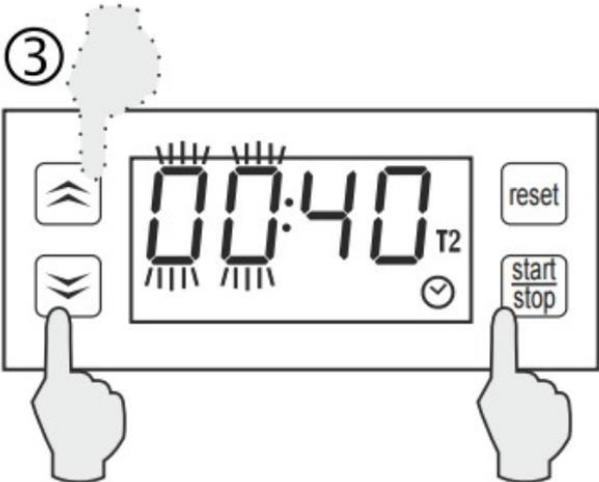
To increase the speed of setting the seconds, keep the UP or DOWN button pressed.

TIME SETTING T2 spray time / disinfection time



Press the DOWN button for 3 seconds. CLOCK symbol and T2 light up and the second display starts to flash.

Using the UP and DOWN buttons you can set the seconds and confirm with the START/STOP button. The minute display then lights up and starts flashing.



Use UP and DOWN to set the minute value and confirm with the START/STOP button.

NOTE: Press the RESET button to cancel setting.

OPERATION of the Air Mentor:

- The user must CLICK the disinfectant bottle into place into the Air Mentor.
- Set T1 and T2.
- By pressing the START button the T1 time starts to count down. The user then leaves the room.
- Once the time T1 has expired, the Air Mentor starts working and the time T2 (disinfection time) is displayed.
- After the time T2 has elapsed, the distribution of the disinfectant liquid stops and an alarm tone sounds for 120 minutes (2 hours).
- After the rest period has elapsed the Air Mentor can be switched off at the main switch.

It is important to leave the room before the Air Mentor starts operating.

The second parameter to be set is the operating time. The operating time depends on the size of the room which is to be disinfected. For normally contaminated rooms we need 8 ml per m³ and with heavily contaminated rooms 12 ml per m³.

The user needs to measure the room size themselves by taking the necessary measurements to determine the volume. Value in m³. (cubic metres) To calculate the room size, the user needs to consider 3 dimensions, the room width, length and height are multiplied. Please make sure you use a metric system.

STANDARD 8 ml/m³			HIGH-RISK AREAS 12 ml/m³		
		Dosage			Dosage
10m ³	3 min	80 ml	5 min	120 ml	
20m ³	6 min	160 ml	10 min	240 ml	
30m ³	10 min	240 ml	14 min	360 ml	
40m ³	13 min	320 ml	19 min	480 ml	
50m ³	16 min	400 ml	24 min	600 ml	
60m ³	19 min	480 ml	28 min	720 ml	
70m ³	22 min	560 ml	33 min	840 ml	
80m ³	25 min	640 ml	X	X	
90m ³	28 min	720 ml	X	X	
100m ³	31 min	800 ml	X	X	

High-risk areas include for example hospitals, doctors’ surgeries, emergency services vehicles, buses, trams etc.

Preparation of the room

The preparation of the room is a key step when using the AIR MENTOR. Correct room preparation allows the best possible disinfection results.

1. Close the windows
2. Pull back curtains and secure them
3. Switch off air-conditioning and heating systems with a fan
4. If possible seal off smoke detectors or switch them off
5. Ideal temperature 15-30 °, 45% humidity
6. Set up the machine in the centre of the room, but avoid aligning the nozzles with doors, air-conditioning system and smoke detector or any sensitive devices.
7. Before the air Mentor starts spraying, close the door and secure it with a suitable sign, to make sure that no-one enters the room during the disinfection process.
8. Once the AIR MENTOR has completed its working cycle, the room will be full of atomised disinfectant. The treated room **MUST REMAIN UNOCCUPIED FOR AT LEAST 120 MINUTES (2 hours) AFTER FOGGING**. For smaller rooms (up to 10m³) the exposure time is only 90 minutes.

9. Disinfection of multiple rooms after another:

After disinfecting the room: Remove device from the disinfected room, using personal protective equipment, when doing so that the door is only opened briefly for access, and is then closed immediately again. When doing so wear your personal protective clothing. Make sure that during the following 120 minutes the room remains closed and no other people into the room.

Repeat this process for all other rooms which you wish to disinfect.

Maintenance instruction AIR Mentor

In the event of faults on the Air Mentor:

If no mist is produced, carry out the following steps:

1. Check the power connection. (220 Volts)
2. Main switch must be set to ON
3. Programme time setting T1
4. Programme time setting T2
5. The bottle must be filled
6. Clean the nozzle with the needle supplied
7. Take the adapter out of the bottle and check the non-return valve (rubber membrane) to see whether a small opening is visible. If no opening is visible, press it together by hand until the small opening appears.
8. If more than 12 hours have elapsed since the last use of the Air Mentor then nuzzle cleaning will be necessary. (Carry out step 6)
9. After using the hydrogen peroxide solution, flush once per week with distilled water. Always use distilled water in the Air Mentor bottle and flush the whole system for 30 seconds.
If using tap water for flushing the nozzle may block and become calcified!

If you have any warranty claims, please contact office@airmentor.at