



OZX-300ST Ozone Generator



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With proper care and maintenance, this device should give you years of trouble-free service.

Please take the time to read this manual so that you may safely operate your ozone generator and utilize the unique properties of ozone.

SPECIFICATIONS

Model Name: OZX-300ST
Max. Ozone Output: 200mg/h without connection to air dryer
500mg/hr with connection to air dryer
Ozone output: adjustable
Internal Air Pump Output: 1-2 L/min
Wattage: 10W
Timer: 1,3,5,10,20,30,..., 90min timers and constant ON function
Pump Pressure: 14-19Kpa
Atmosphere standard: 100 ± 4 Kpa
Ambient Temperature: $0 \sim 40^{\circ}\text{C}$
Relative Humidity: $\leq 80\%$
Ozone Generating Method: Corona Discharge (Ozone Tube)
Gas Resource: Ambient Air
Air inlet Dim: 6.5mm
Outlet Dim: 6.5mm
Power Source: AC220or240V ($50\text{Hz} \pm 2$ or $60\text{Hz} \pm 2$)
Body Size: 115mmX215mmX55mm
Net Weight: 750g
Power Cable: 1.2m in length
Case: Plastic
Accessories Included: 2 sets of hose & diffuser stone, 1 air dryer

SAFETY WARNINGS

HEALTH HAZARD WARNING:

1. Permissible Exposure Limits:

The following limits accepted in USA, UK and other parts of Europe:

- 8 hour per day/5 days per week (occupational exposure limit) - 0.1 ppm
- 15 minute (short term exposure limit) - 0.3 ppm

The OZX-300ST ozone generator is capable of delivering up to 200 gram of ozone per hour. In an enclosed space, the ozone concentration generated by the OZX-300ST quickly exceeds the 15-minute exposure limit of 0.3 parts per million.

2. Toxicology of ozone:

Above the exposure limit there is risk of inflammation to the respiratory system. Ozone has been shown to induce asthma attacks. **People with history of asthma episodes should not enter a newly ozonized area until all the residual ozone has fully dispersed and the area well ventilated with fresh air.**

Ozone has a distinctive sharp odor and is detectable by smell even at concentrations well below the 15-minute exposure limit. Most people can detect the smell of ozone at concentrations around 1/10th of the 15-minute exposure limit. A strong smell of ozone normally indicates an ozone concentration that exceeds the 15-minute exposure limit.

WARNING:

- People with smell disorder should not operate this equipment.
- Leave some room for the unit when using.
- Don't attempt to confirm ozone production by directly smelling the ozone coming out of the unit.
- Short-term inhalation of high concentrations of ozone and long-term inhalation of low concentrations of ozone can cause serious harmful physiological effects. Do not directly inhale ozone gas produced by this device.

GENERAL SAFETY WARNINGS:

1. The unit is not waterproof, for indoor uses only. **DO NOT** allow water to enter. Water damage is not covered by warranty.
2. **DO NOT** open, temper or try to repair the unit. The unit utilizes very high voltages that can result in injury. Do not touch an opened or tempered unit, while it is working.
3. **DO NOT** operate the unit in humid conditions (Relative Humidity > 80%).
4. The suggested minimum room space is 30 m³ to avoid very strong smell of ozone when purifying air.
5. Keep the unit at a place where the unit is not reachable by children
6. Unplug when you no longer need it.
7. **DO NOT** use unit within an environment with flammable gases or explosive materials.
8. **DO NOT** touch the machine with wet or damp hands.
9. Avoid using the unit repeatedly in the warehouse of metals and lactoprene materials.
10. Use only ozone compatible hoses between the ozone generator and the injection point. Failure to use the correct materials could result in an undesirable leakage of ozone into the surrounding airspace.
11. **DO NOT** lubricate fittings or hoses with mineral oil or grease.
12. **DO NOT** place the unit on the carpet when using.

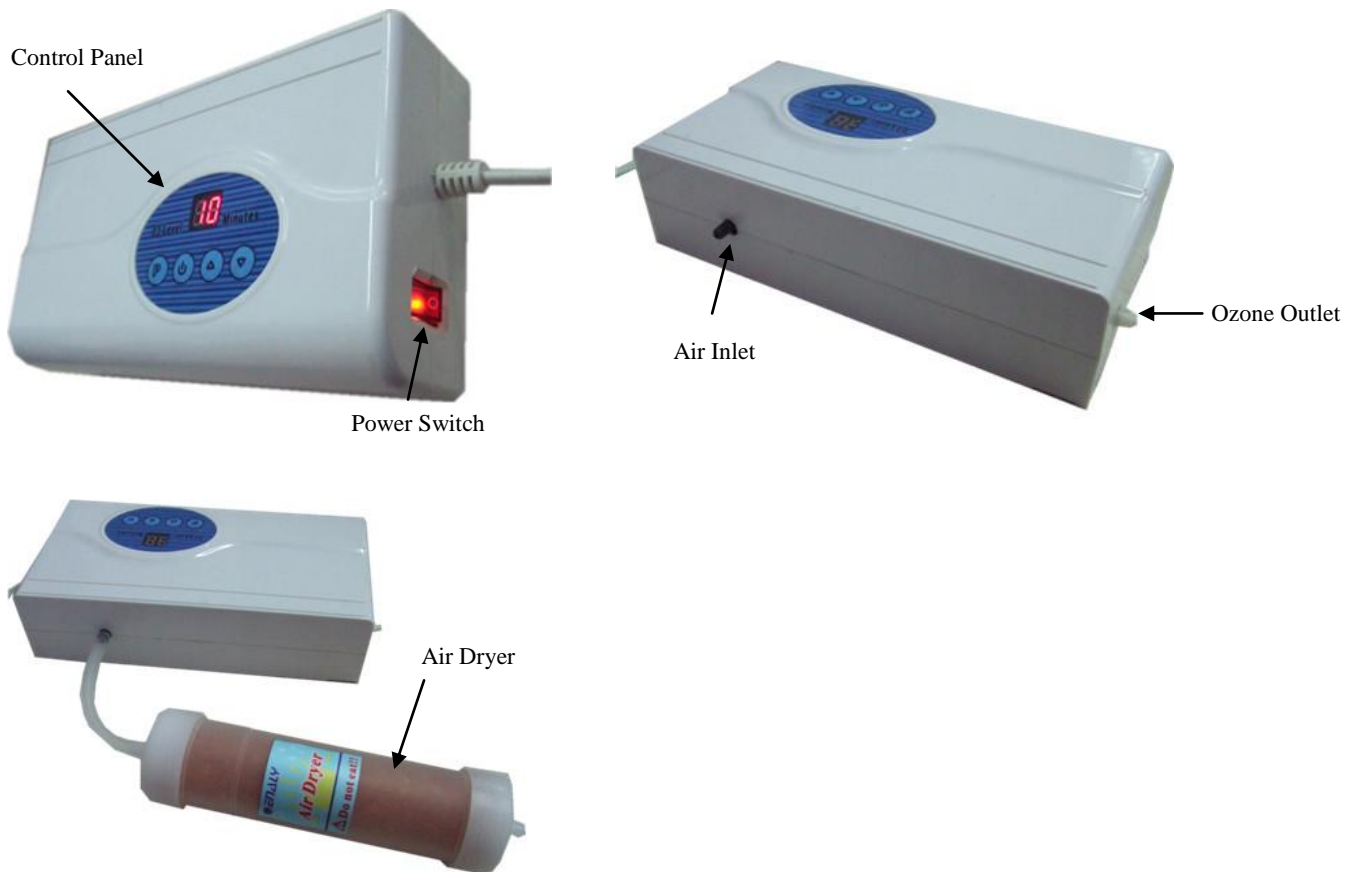
IMPORTANT WARNING

Shanghai ENALY M&E Ltd. accepts no liability for any damage or injury caused by this product or damages that may arise through its use by the purchaser or by others. The purchaser is responsible for ensuring that the unit is correctly installed, operated and properly maintained.

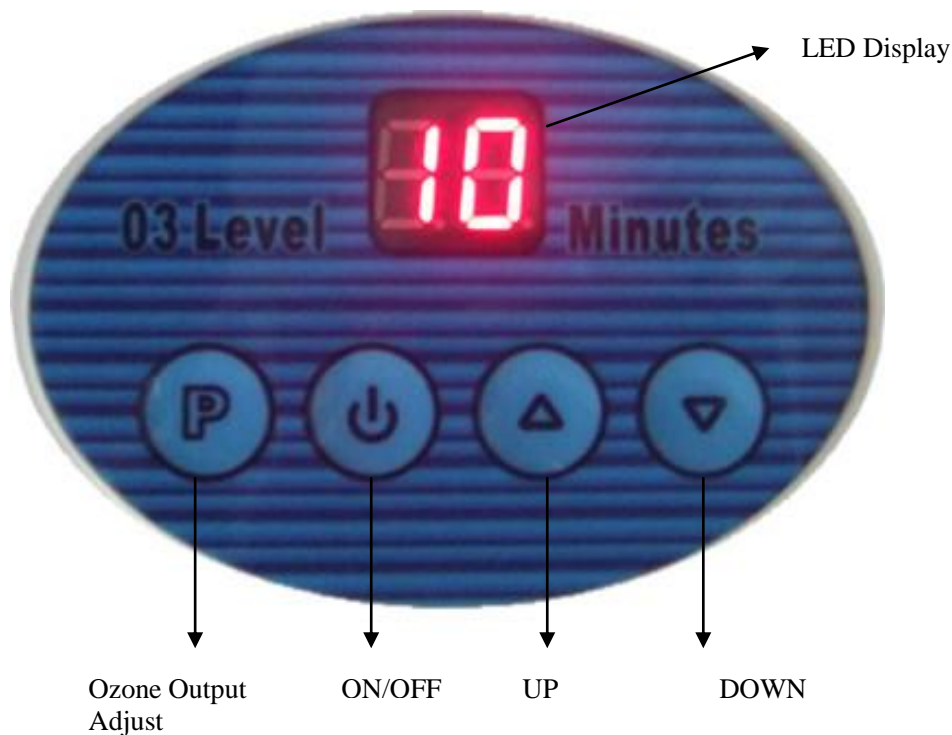
UNIT DESCRIPTION

What Is in The Box:

- 1-OZX-300ST
- 1- Enaly Air Dryer (200ml) and 1 connecting hose (10 cm)
- 2 -hoses (1.20 m each)
- 2 -diffuser stones
- 1- OZX-300ST user's manual
- 1- Enaly Air Dryer user's manual



The power switch to turn on the power of the unit is at the right side of the generator. The air inlet is at the front side of the generator. The ozone outlet is at the left side corner. The control panel is on the top side of the unit.



Controls	Function
LED Display	Indicates Ozone output: 9 modes Indicates timer time: 00, 01, 03, 05, 10, 20, 30, ... 90 min Indicates Constant-ON Mode: ON
ON/OFF	Press it to start working Press it to stop working Press and hold it for 3 sec to switch to Constant-On mode
UP	Each press increases the timer time by 10 min up to 90 min
DOWN	Each press decreases the timer time by 10 min down to 90 min
Ozone Output Adjust	Each press increase the output from 40mg/hr to 200mg/hr by 20mg/hr up

BEFORE USE PREPARATION


1. Ensure that all hoses are free from dust or other contaminants before connecting.
2. Connect one end of 10 cm hose to an air inlet (either one) of Enaly Air Dryer.
3. Connect the other end of 10 cm hose to the air inlet of the unit.

WARNING: Avoid using a hose longer than 10 cm to make the connection to Enaly Air Dryer. An overly long hose can overload the internal air pump and cause a premature failure.

- 4.1 For water/liquid treatments, connect the 1.20 m hose to the ozone outlet and a diffuser stone to the other end of hose.
- 4.2 For air treatment, it is recommended to run without the hose connecting to the ozone outlet.
5. Plug in the power plug into a power outlet.

WARNING: Use only the rated voltage indicated on the product information label. The product information label is affixed on the case.






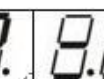



OPERATING THE UNIT

1. Press the power switch to turn the power on. The LED Display will indicate a timer time last set.
2. Turning the ozone output adjuster  to adjust ozone output. The LED Display will indicate Ozone output. There are 9 types:

 (1-3)



 (4-6)


 (7-9)

Ozone Output Chart									
Type									
Ozone Output (mg/hr)	40	60	80	100	120	140	160	180	200

The minimum ozone level is less than 40% of the max. output.

3.1 Using the Timer:

3.1a Press the  key or the  key once to either increase or decrease the timer time (01 03 05 10 20 30 40 50 60 70 80 90). Press repeatedly until you reach the desired timer time. The maximum timer time is 90 min. The minimum timer time is 0 min (displaying “00”).

3.1b Press the  key to start working. The timer time starts blinking and counting down in a 1-minute interval. When the timer time reaches “00” the unit will stop. After 3 sec the LED will again indicate the timer time last set.

3.1c To pause timing, press the  key (This will pause working too) . The LED display will indicate the timer time last shown before the pause.


To resume timing, press  key again.



OR


To stop working immediately, switch the power switch to turn the power off.

To restart, repeat from the step1.


Note:


◆ When the timer time is set at “00”,  key is not functioning.

◆ To adjust the timer time during count-down either press on  or  key.

- ◆ To switch to the Constant-On mode when it is working under timer mode, press and hold the  key for 3 sec.
- ◆ If the timer was last used before turning the power off, after turning the power on, the LED will indicate a timer time last set.

3.2 Using the Constant-ON Mode:




3.2a Press and hold the  Key for 3 sec. The LED display will show “ON” to indicate the unit is in the Constant-On mode. The unit will start immediately after “ON” is shown.

3.2b To stop working under Constant-on mode, press the  key. The LED display will indicate a timer time last set.

To resume Constant-On, press  key again and repeat the step 3.2a)
OR

To stop working immediately, switch the power switch to turn the power off.
To restart, switch the power switch to turn on the power.

Note:

- ◆ To switch to the timer mode when it is working under Constant-on mode, press the  key and follow the instruction 3.1.
- ◆ During Constant-On Mode, the  and  keys are not functioning.
- ◆ If the Constant-ON mode was last used before turning the power off, after turning the power on, the LED will indicate “ON”. The unit will start working after 3 sec.

WARNING: To avoid overheating when running it for an extended period of time, keep the area around the generator free from obstructions to maximize air movement and use an external fan if possible.

GUIDANCE FOR APPLYING OZONE TREATMENT



For any liquid treatment, place the unit at least 10cm above the liquid's surface to prevent it from entering the generator. For air treatment it is recommended to run without the hose connecting to the ozone outlet.

WARNING: Place the unit at least 10 cm above the liquid's surface to prevent backflow.

Please visit www.enaly.com for information about additional applications and product FAQ's.

RESERVE

The packing product should be reserved under such conditions:

1. Ambient Temperature: 0~40°C
2. Relative Humidity: $\leq 80\%$.
3. Atmosphere standard: 100 ± 4 Kpa.
4. Indoor without corrosive gases and well ventilated.

MAINTENANCE

If you only use your ozone generator intermittently, you should store the device in a dry place when not in use and protect it from dust with a plastic bag.

If you choose to use an automated ozone delivery system, carry out regular inspections to ensure that your system is working effectively.

- Examine all hoses and connections for leaks or damage.
- Check air-pump flow rates.
- Examine check-valves for effectiveness.
- Replace or clean dirty particulate filters.
- Replace or recharge the Air Dryer (for more info please see its user's manual)
- Check the diffuser for an efficient bubble-pattern or if using a Venturi inlet, check for the presence of a vacuum.

ONE YEAR LIMITED WARRANTY

Shanghai ENALY M&E Ltd. warrants each new product sold by Shanghai ENALY M&E Ltd. and its authorized resellers against defects in materials and workmanship for ONE (1) YEAR from the date of original purchase of the product. This warranty applies only to the first retail purchaser of the product and is not transferable to any subsequent owners or purchasers of such products. If a defect exists, at its sole discretion Shanghai Nailing Electron-tech Co., Ltd will repair or replace the product. Any repair or replacement will assume the remaining warranty period of the original product. All the defects will be repaired by Shanghai ENALY M&E Ltd's authorized technician.

One Year Limited Warranty Does Not Apply:

- (1) to damage caused by accident, abuse, misuse, misapplication, or any other product(s);
- (2) to a product or any part(s) that is modified, tampered with, altered, converted or repaired in anyway by anybody other than Shanghai Nailing Electron-tech staff or Shanghai Nailing Electron-tech authorized reseller,
- (3) to a product or any part(s) such as ozone cell (including ozone plate, ozone tube or ozone lamp) that is consumable or expendable (Shanghai ENALY M&E Ltd. reserves the right to amend the list of consumables without prior notice),
- (4) to an optional unit or any other accessories used in connection with the product such as air stones, tubing, air filters or air dryers. (Shanghai ENALY M&E Ltd. reserves the right to amend the list of optional units and accessories without prior notice).
- (5) if any serial or lot number has been removed or defaced.

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Obtaining Warranty Service

Contact Shanghai ENALY M&E Ltd. authorized reseller in the country where you purchased the product or us. You will be asked to furnish

- (1) your name, address, telephone number ,
- (2) the selling reseller's name,
- (3) proof of the original purchase containing a description of the product(s), purchase date, and the appropriate Enaly serial and/or lot number;
- (4) the description of failure.

You will be advised by the authorized reseller or us, if you need to return the unit for servicing. You will be responsible for all return shipping costs. Shanghai ENALY M&E Ltd. or the reseller is not responsible for incoming freight costs.

PLEASE MAKE NOTES FOR YOUR OWN REFERENCES
PURCHASED FROM:
PURCHASED DATE:
LOT NO.

Authorized Reseller: