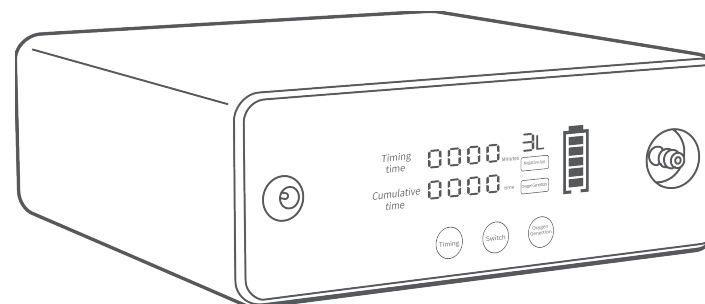


User Manual

Portable Oxygen Concentrator

XM -868



Standard Compliance: GB4706.1-2005

Production Date: See the Certificate or Device

Amendment Date: 2021.04.21

Manufacturer / Registrant: Shenzhen Cresolar Technology Co., Ltd

Address: 1st Floor, Block C, Fuxin Industrial Park, 2nd Qianjin Road, Bao'an

District, Shenzhen, Guangdong Province, China.

Tel: 0755-23027505

*The actual product should be considered as final object.

*Read the User Manual cautiously before use.

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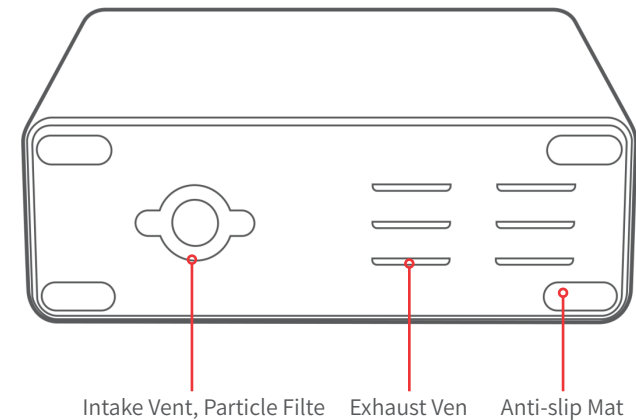
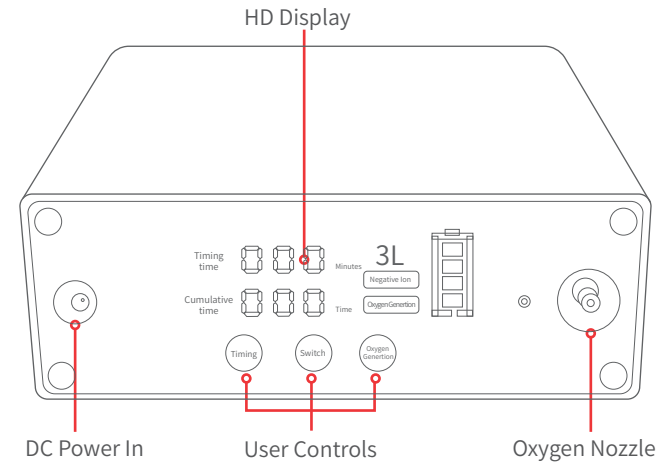
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Introduction

In order to reduce the risk of personal injury, ensure that the following precautions are not disregarded.

1. The product is used on a health care basis by users requiring supplemental oxygen, instead of medical purpose.
2. If you begin to feel ill or are experiencing discomfort while using this device, stop using and consult the physician immediately.
3. Ensure this user manual is being read carefully and completely understood by users before use.
4. The expected life for the device is 3 years, applications and maintenance may affect its intended life.
5. The XM-868N is not designed or specified to be used in conjunction with a humidifier, nebulizer or connected to any other equipment.
6. The device produces enriched oxygen gas which accelerates combustion, do not allow smoking or open flames near the product while in use.
7. This device is NOT INTENDED to be life sustaining or life supporting.
8. Do not expose to water precipitation or snow.
9. Never leave the device in an environment which can reach high temperatures and high humidity such as an unoccupied car in high temperature environments. This could damage the device.
10. Do not disassemble the product or any of the accessories as any modification of them may damage the device or impair equipment performance, and will void your warranty.
11. Do not submerge the XM-868N in water or any other conductive liquid. If they occur, disconnect the power supply immediately.
12. Make sure to unplug the power supply while not using it.
13. Do not obstruct air intake or exhaust when operating the device. Blockage of air circulation or proximity to a heat source may lead to internal heat buildup and impair equipment performance or may even spark a fire.
14. After continuous use for 120 minutes, stay in standby mode for 20-30 minutes for heat dissipation.
15. Do not place other devices near, above or under the concentrator. For necessary occasions, ensure it is operated under using configurations after observations and approvals.

Description of the XM-868N



Operating Instructions

1. Power Supply

Select the suitable power connections subject to the applications:
Press and hold the power button for 2 seconds (Image 2), when the built-in battery is being used only. A single short beep will sound after the LED is on. Power display will indicate the power condition and the device is on.

When using the car power adapter, ensure that the connections between the power adapter and power cord are firm enough (Image 1), if the power indicator of the equipment shows it is being charged, indicating the power connection is all set.

When using the AC power adapter, ensure that the connections between the power adapter and power cord are firm enough (Image 1), if the power indicator of the equipment shows it is being charged, indicating the power connection is all set.



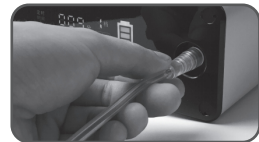
Pic 1



Pic 2



Pic 3



Pic 4



Pic 5

2. Oxygen Generation

After the concentrator is power on, press the oxygen generation button to enter the 1st setting (Image 3). A warm up period of up to 2 minutes will initiate till the settings are completed. Use it with the nasal cannula accordingly.

Note: During the warm-up period, the equipment will automatically exhale and empty the internal oxygen, hence the oxygen concentration may not reach the standard at this time.

3. Nasal Cannula

Connect the nasal cannula tubing to the nozzle fitting (Image 4). Make sure the connection is firm without leakage. Do not kink and obstruct the nasal cannula, as it may cause alarms of the device and affect the oxygen delivery.

Position the nasal cannula on your face (Image 5) properly and inhale.

4. Flow Setting

Under the oxygen generation mode, press the oxygen generation button to select the settings from 1 to 3 (Image 3).

5. Power off

When the device is working, press and hold the power button for 2 seconds, a beep will sound and it indicates power off.

If the device is connected to an adapter, car charging cable etc. during standby mode, the power indicator on the display will show it is being charged. When the battery is fully charged, disconnect the adapter to power off manually.

If the device is powered off when using battery only, the device will be completely powered off and the standby interface will not appear.

Under the standby mode, it will automatically power off after 1 minute if there is no operation.

Effective way to use the concentrator

The product is designed for continuous use. For better effects, it should be used 30 minutes per day regularly.

Schedule for use is optional.

Cautions and Warnings



Warnings

Incorrect operations may lead to death or heavy injury

	Do not use when the adapter plug is damaged or power socket is loose. Danger of fire, short-circuit and electric shock.
	Keep cords away from children if it is for their use. To avoid danger of choking or strangulation hazard.
	Do not smoke while in use. Smoking nearby is not allowed when the device is on.
	Do not use nebulizer or spray any volatile gases near the concentrator. It may cause fire if they combine with oxygen.
	Do not place the device close to gasoline supply. It may lead to failure of performance or fire.
	Do not repair, disassemble or modify the equipment if you are not technical personnel. Failure of performance of the device could occur.
	Do not apply multiple adapter plugs to one power socket. Doing so may create a safety hazard.
	Do not drag the plugs or contact them with wet hands. Do not drag the plugs or contact them with wet hands.
	Do not damage the cord, such as kink, modify or place heavy objects over it. The cord may be damaged, fire and electric shock may occur.
	Do not use this device for other purposes than oxygen supplement. This could cause electric shock.



Cautions

Incorrect operations may lead to injury or property loss.

	Do not block the intake vent which is below the device. Oxygen concentration will be low or the oxygen flow is not sufficient if it occurs.
	Avoid direct sunlight or humid places. To prevent the product from damage and electric shock or fire.
	Unplug the power supply from sockets while not using. Deterioration of the plug may lead to electric shock or fire.
	Ensure that the nasal cannula is being used appropriately. Do not damage the nasal cannula, no stepping on the cannula with feet or furniture. Do not trip by it as well.
	Do not allow open flames near the product while in use. The device produces enriched oxygen gas which accelerates combustion. Lighters or matches are prohibited to use nearby.
	Do not apply the concentrator in inclined places. It may cause falling off the device which leads to damage and impairment.
	Do not use the device in the bathroom or sauna. Doing so may cause water damage, and dampness may lead to electric leakage and damage.
	After continuous use for 120 minutes, stay in standby mode for 20-30 minutes. For heat dissipation.

*Symbol Key

- Prohibited and Not allowed
- Compulsory compliance

Specifications

Items	Parameters
Product	Portable Oxygen Concentrator
Model	XM-868N
Method	Vacuum Pressure Swing Adsorption (VPSA)
Dimensions	208mm*78mm*206mm
Weight	Approximate 2KG(Concentrator only)
Noise	≤50db (A) Test 1 meter away from the device
Flow / Oxygen Concentration	90% concentration in 1 setting, equivalent to 1L 70% concentration in 2 setting, equivalent to 2L 50% concentration in 3 setting, equivalent to 2L
Maximum Outlet Pressure	≥83KPa
Negative Oxygen Ions	≥300K/m ³ (Electron Emission)
Power Supply	AC100-240V 50/60Hz
Power	20W
Battery Duration	2H
Battery Charging Time	2H
Environment Ranges Intended for Use	Temperature: 5°C-40°C Humidity: ≤10%-90%, non-condensing Atmospheric Pressure Range: 54hpa~1060hpa

*Above data is tested by SkyMed Laboratory. All rights reserved.

Accessories

Packing List		
Number	Item	Quantity
1	XM-868N	1
2	Carry Bag	1
3	Nasal Cannula	1
4	Power Adapter	1
5	Car Cigarette Lighter	1
6	User Manual	1
7	Remote Control	1

Optional Accessories		
Number	Item	Quantity
1	External Battery	1
2	Earpiece Nasal Cannula	1

Care and Maintenance

1. Filter Cleaning and Replacement

- (1) Turn off the device, remove the screws, and remove the filter case.
- (2) Take the filter out (Note: The filter will appear black after long-term use).
- (3) Rinse the filter in clean water, dry it before reuse.
- (4) Install the filter in correct direction, and install the filter case, fix it with screws.

Note:

- (1) Maintenance of the filter shall be done every 3-6 months.
- (2) Do not use detergents, alcohol and other high-concentration liquids to clean, as it will cause cracks or discoloration of the filter.
- (3) Do not use the hot air of a hair dryer to dry the filter, which may cause deformation of the filter.

2. Sieve Replacement and Maintenance

- (1) When the molecular sieve needs to be replaced, contact the appointed seller in time. (When the device is used for 3000 hours in total or more than 2 years, replace the sieve in time).
- (2) Long-term storage may shorten the life of the sieve;
- (3) Long-term operation in a humid environment may shorten the service life of molecular sieve.

Note: Do not disassemble the equipment to replace the molecular sieve privately, only the equipment supplier or qualified maintenance engineer is qualified to disassemble and replace it.

3. Cannula Replacemen

Users can purchase the nasal cannula according to your needs, but ensure that the following adjustments are fully satisfied:

- (1) Contact your equipment provider and purchase under the guidance of the professionals.
- (2) Purchase from regular distributors.
- (3) The rated flow rate of oxygen through the nasal cannula is 5 Liters per minute, and the total length is between 1 and 7.5 meters.
- (4) Make sure it can fit properly with the oxygen nozzle of the device without air leakage.

Position the nasal cannula correctly on your face and use it according to instructions.

4. Battery Care

Battery loss: 500 cycles charge and discharge capacity will drop to 80%

Regular charging and maintenance (Approximately 1 month) when not in use for a long time, it is recommended to keep the power at 3-4 LEDs Light when storing.

5. Case Cleaning

Make sure the concentrator is powered off and unplug the power supply from the socket before cleaning.

Keep the device away from dampness or water damage, once it occurs, it will cause malfunction or shutdown of the equipment, and increase the risk of electric shock.

Do not pour the liquid directly on the device, chemical detergent used on the plastic case of the device may damage it. Detergents contain but not limited to the following lists: Alcohol and alcohol products, high concentration chlorinated solutions, oil products (Clorox), etc.

Be cautious that liquid is not permitted to apply in the internal equipment, and pay special attention to ensure that there is no dust, water, or other particles at the oxygen nozzle.

Do not clean it with solvents or other flammable and explosive volatile substances.

6. Maintenance Troubleshooting

Number	Problem	Possible Caus	Recommended Solution
1	Concentrator does not power on	When On/Off button is pressed	Press and hold the power button for 2 seconds to light up the screen, short press the oxygen generation button to start up.
		Battery is dead	Plug the adapter and charge
		AC Power supply is not connected properly	Check power supply connection
		Malfunction	Contact your equipment provider if the above operations are not helpful.
2	No oxygen	Concentrator is not powered on	Power the device
		Cannula is kinked or obstructed	Check cannula and its connection to concentrator nozzle
		Malfunction	Contact your equipment provider
3	Deviceoverheat	High indoor temperature	Ensure that the connection between the external air and internal exhaust is smooth
		Obstruction of the exhaust vent at the bottom	
		Long-time use	Power off the device after it is being used for about 2 hours
4	Abnormal smell from exhaust vent or device	Use time of the nasal cannula is overly long	Clean the cannula regularly and replacement is recommended when it is used for too long

Warranty Statement

1. Terms

Year warranty begins as of the date of purchase of the concentrator(Consumables not included).
All maintenance services must be carried out by the appointed maintenance service center.
During the warranty period, defects under normal use and non-human causes shall be guaranteed free of charge;
After the warranty period, cost of the maintenance will be charged;
If damage is caused by improper operation, paid maintenance services will be provided.

Conditions as below are not covered by the warranties:

1. Overall damage or deformation due to collision.
2. The device is exposed to water or rain.
3. Water or liquid damage caused by users leads to defects in the device.
4. Fragile and consumable items: filter device, foot mat, nasal cannula, etc.

2. Contacts

Manufacturer / Registrant: Shenzhen Cresolar Technology Co., Ltd
Address: 1st Floor, Block C, Fuxin Industrial Park, 2nd Qianjin Road, Bao'an District, Shenzhen, Guangdong Province, China.
Tel: 0755-23027505

Maintenance Certificate

Model: _____ Date of Purchase: _____

Customer: _____ Phone: _____

Address: _____

Maintaining Records: _____

Seller: _____ Phone: _____

Address: _____

Seller's Signature: _____

Thank you for purchasing and using the product.
Save this certificate and the valid purchase receipt for maintenance.