

### WARRANTY CARD

Model No.:..... Lot No.:.....  
Invoice No.:..... Date of Purchase.....  
Purchased By:..... Contact No.:.....  
Address.....  
Dealer's Name.....

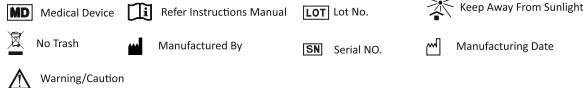
Dealer's Sign & Stamp

\* Terms & Conditions apply

Passim Lifesciences Ltd. warrants this units free of any defect in material, workmanship and operation, under normal use, for a period of one year from the date of purchase. If any part become defective during the warranty period Passim Lifesciences Ltd. will repair or replace (if not repairable) the same, free of cost. This shall not apply to any parts that are considered as expandible or deteriorable in the course of normal use. Passim Lifesciences Ltd. shall be relieved of any liability and warranty shall cease to apply if :

- This is not used in accordance with the instructions in the operational manual.
- It is used with any equipment not complying with the specification of this unit.
- It is not regularly maintained.
- The unit is disassembled, repaired or operated by person not authorized by Passim Lifesciences Ltd.
- Damage caused due to negligence.
- The unit is operated in corrosive materials or in the harmful atmosphere.
- The warranty card is not filled completely and produced at the time of warranty claim.

#### Symbols



Manufactured by:

Passim Lifesciences Ltd.

Plot No. 45, Ind. Area, Phase-II, Panchkula -134113, Haryana- INDIA

Mfg. Lic. No.: Mfg/ MD/2022/000633

For any Complaint/ Suggestion please contact:

Customercare Number: 1800 309 3009, Timing: 9am-7pm, Mon. - Sat.

Email ID: customercare@droidin.in, Website: www.droidin.in

IM/OMN/05-00



## Mesh Nebulizer MODEL NO. - OMN101 INSTRUCTION MANUAL



Please read instruction manual before use

**1. Introduction :** - 1.1 - **The introduction of nebulization inhalation treatment :** The treatment for respiratory system disease is relatively long and painful. Effective treatment can shorten treatment time and reduce pain. Compared to other treatment methods, nebulization inhalation has the following advantages :- Directly to the pulmonary alveoli through nose and throat, the medication is taken accurately and acts quickly :- Does not pass through other organs which has very little influence to other organs. This device is a safe and effective medical device which provides medication to human lungs, respiratory tract and oral cavity; the device which is portable and uses fewer medication can be used simply and comfortably, it's applicable for home and medical institution use.

**1.2 - Working Principle :** The nebulizing working part of the nebulizer is composed of high-frequency oscillation circuit, ultrasonic piezoelectric ceramic transducer and metal piece with micropore. The high-frequency oscillating voltage triggers oscillation resonance of the same frequency on the ultrasonic piezoelectric ceramic transducer, transferring electric energy into mechanical energy of ultrasonic frequency, oscillating the metal plate with micropore in the ultrasonic frequency, making the liquid medication on the side of the ultrasonic piezoelectric ceramic transducer and metal piece with micropore oscillated into extremely fine droplets of mist, which is sprayed to the mouthpiece or mask through nozzle on the other side for the inhalation of patient.

**2. Intended Use :** Nebulize liquid medication and transmit it to the respiratory tract for patient's inhalation treatment. The device is intended to be used in medical institutions, families and similar situations.

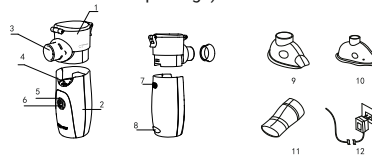
**3. Target User :** Patient with acute inflammation of the upper respiratory tract, Patient who has viscous sputum that can't be excreted easily because of emphysema and pulmonary heart disease concurrent infection, or bronchospasm, breathing difficulties, bronchiectasis infection and pulmonary abscess, etc. Patient with acute or chronic bronchitis.

**4. Important safety information :- 4.1 Contraindication :** In case of diabetes or other disease, please consult doctors before using the nebulizer; In case of bruise, burn inflammation, wound or sensitive parts, please consult doctors before using the nebulizer.

**4.2 Warnings and precautions :** Before using, please check the power adapter to ensure there's no obvious damage that might affect the user's safety or performance of the nebulizer. If there is, it's recommended to replace the damaged parts before using. The use of the nebulizer shall be in accordance with the method in the manual; Only parts and accessories which are manufactured by the manufacturer or conform to the requirements in the instruction manual can be used, the use of parts and accessories not conform to requirements are not warranted for repair; When the nebulizer fails, please refer to this instruction manual, if the trouble can't be solved, do not repair the device by yourself, please contact authorized services center for repair; Only power adapter which is equipped with the device or conform to the requirements in the instruction manual can be used, do not use if the power adapter or its output wire is damaged; Please handle the disposed batteries and components according to waste sorting principle; Not applicable to respiratory system anaesthesia and artificial respiratory system; Keep the nebulizer as vertical as possible while using it; Do not let children get close to or contact package to avoid strangulation; Do not use the nebulizer near mixture of inflammable gas, oxygen or anaesthesia; Do not use the nebulizer near high frequency electromagnetic transmitter; Do not use the nebulizer while taking a shower or bathing; Do not wash the whole nebulizer under water to prevent inflow;

The nebulizer shall be used the direction of professional doctors. Before treatment, please consult doctors for time of usage, medication dose, treatment frequency, etc. Do not use purified water or distilled water; If you feel uncomfortable while using the nebulizer, please stop using at once and consult doctors;

**5. Parts identification :** The nebulizer is mainly composed of main unit, medication bottle, nebulization piece, adult mask, child mask and mouthpiece. The nebulizer is composed of the following structures and components (some components such as the power adapter are optional which may not be in the actual package):



No.	Component Name	No.	Component Name	No.	Component Name
1	Medication bottle	5	LED indicator light	9	Adult Mask
2	Main unit	6	ON/OFF button	10	Child Mask
3	Nebulization component	7	PUSH button	11	Mouthpiece (optional)
4	Contact electrode	8	MIC-USB socket	12	Power adapter (optional)

**⚠ Caution**

For user to better understand and operate the device, the combination of nebulization component and medication bottle is called medication bottle component. The package can be reused or recycled, please handle the unnecessary package materials appropriately. If you find there's any damage on the product when you open the package, please contact your supplier.

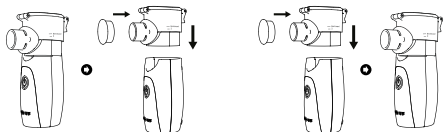
Product Name	Mesh Nebulizer
Model	OMN101
Power Source	DC 5 V/1A
Input power	5VA
Internal Battery	3.7V $\approx$ 1200mAh
DC Input	5V $\approx$ 1A
Working frequency	110 $\pm$ 10kHz
Nebulization efficiency	$\geq$ 0.2 ml/min
The distribution of mist particle	The proportion of mist particles less than $\mu$ m is >60%, the median particle size is 4.5 $\mu$ m $\pm$ 25%
Volume of medication bottle	8ml $\pm$ 0.5 ml
Maximum noise	<50dB (A)

Maximum water temperature in the medication bottle	≤60°
Weight (without battery)	125±5g (internal lithium battery)
Dimensions	49mm*69mm*115mm
Service life	Main unit of nebulizer : 5 years Mask and mouthpiece : See package label
Working environment	Temperature : 5°C ~ 40°C Relative Humidity : 25%RH~95%RH (no condensation) Atmospheric pressure: 70kPa~106kPa
Storage and transportation environment	Temperature: 20°C ~ +55°C Relative Humidity : 25% RH ~ 95% RH (no condensation) Atmospheric pressure : 70kPa~106kPa

## 7. Operation instruction

**⚠ Caution :-** Please remove all package materials before using and confirm all parts or accessories of the nebulizer are complete. The nebulizer shall be cleaned and disinfected before and after each use, see chapter "Maintenance and storage" for details.

**7.1 How to assemble :-** Please assemble the medication bottle component to the main unit, you should hear a clear click while assembling (the golden electrode column faces downward). To remove medication bottle component, please first keep pressing the PUSH button on both sides, then pull out the medication bottle component in the direction shown by the arrow.

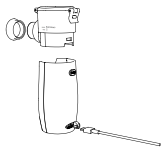


Assemble Products

Disassemble Products

## 7.2 Connect to Power grid for charging

Insert the Micro-USB plug into the socket in the bottom of the device as shown below; then insert the USB plug of the cable into the power adapter and insert the power adapter into the socket of power grid.



**⚠ Caution :-** Please place the power cable in a good order to prevent stumbling;  
Do not conduct nebulization treatment while charging;  
After charging, please first remove the power adapter from the power grid socket, then remove the Micro-USB plug from the bottom of the nebulizer.

## 7.3 Treatment process :-

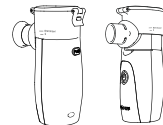
**7.3.1 How to fill the medication :-** Open the upper lid of the medication bottle as shown below :



Pour the medication into the medication bottle, close the lid and lock the buckle as shown below :

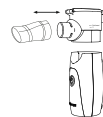


Lock the medication bottle downward to the main unit, then the device can be used normally, as shown below :



**⚠ Caution :-** The maximum volume of the medication bottle is 8ml, it's recommended to pour 2-8ml medication into the bottle;  
After pouring medicating into the medication bottle, its lid must be closed to prevent medication leakage.

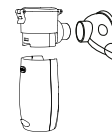
**7.3.2 Install the mouthpiece or mask :-** 1) How to install the mouthpiece ?  
Insert the mouthpiece into the nozzle to complete installation.



Assemble Products

2) How to install the mask ?

Insert the mask into the nozzle to complete installation.



Assemble Products

### 7.3.3 How to inhale



Put the mouthpiece completely into the mouth or press the mask softly on the face. Press On/Off button, the LED indicator light of the nebulizer will be on (the light is green when the battery is low, the indicator flashes green).

Breathe deeply and slowly, if you hold your breath for a short while after inhaling the medication, it can increase treatment effect.

Stay quiet and relaxed during the treatment process, do not inhale too fast. If you need to stop temporarily, you can take the mouthpiece out of your mouth or remove the mask and put it back after resting to continue inhaling.

One inhalation shall not exceed 20 minutes.

If there's very little medication left in the medication bottle which barely have any effect, the device will automatically stop working and power off.

Press ON/OFF button to power off the device and stop in halation, the LED indicator light will be off.

Pour out the residual medication and do not use it anymore.

Clean the medication bottle after each use and dry it (please refer to "Maintenance and storage").

**⚠ Caution :-** Do not operate the device if there's no medication in the medication bottle. Keep the device as vertical as possible while using it, slight swing does not affect its use, but the swing should not exceed 45 degree.

Each user should use the accessory separately to avoid cross infection and the transmission of hazardous substance.

During inhalation, there will be very little medication left on the mouthpiece and the inner wall of mask, please wash off the residual medication after using.

The use of mask consumes more medication than the use of mouthpiece.

### 7.4 Important information for nebulization inhalation

1) Please consult your doctors before using medical products or medication and make sure they choose the appropriate medical products for use.

2) Only water-soluble drugs that contain alcohol and saline solution diluted medication can be inhaled, or else bronchospasm may occur.

3) Not applicable to viscous medication.

4) Do not use oil and oily medication, since this may cause damage to the diaphragm of the nebulizer.

### 8 Troubleshooting

Please strictly follow the operation steps in the instruction manual or under the guidance of doctors while using the nebulizer.

Common problems during the use of the device and its solutions can be seen in the following table:

No.	Problems	Cause analysis	Solution
1	Can't power on	1. Whether the button is stuck 2. Lithium battery damage	Please contact service center or manufacturer
2	No mist	1. The device is not hold in the right manner 2. The medication bottle in not installed well 3. Inappropriate medication	1. Re-install the medication bottle and its components 2. Medication is too little or not applicable to be used in this device (consult doctor for the use of medication) 3. Hold the device correctly 4. Please contact authorized service center or manufacturer
3	Small mist	1. Lithium battery power is not enough 2. Abrasion of nozzle piece 3. Inappropriate medication	1. Connect to power adapter 2. Medication is too little or not applicable to be used in this device (consult doctor for use of medication) 3. Please contact authorized service center or manufacturer
4	Battery indicator is red	1. Lithium battery power is not enough 2. Damage of circuit board	1. Connect to power adapter 2. Please contact authorized service center or manufacturer

### 9. Maintenance and storage

**9.1 Cleaning and disinfection :-** After each use, the medication bottle, spray interface, the recommended cleaning and disinfection are as follows :

**9.1.1 Cleaning :-** Auto-cleaning of nebulization piece :- After completing nebulization, pour out the residual medication from the medication bottle and clean the bottle using purified water, then pour purified water into the bottle, long press the ON/OFF button for 5s, the nebulizer enters into auto-cleaning function mode, the ON/OFF indicator flashes green.

For product cleaning, please first shut off the power.

1) Take off the components from the main unit: medication bottle component (including spray interface), medication bottle lid, mouthpiece, inhalation mask and so on, use a container filled with clean purified water with a temperature not exceeding 40°C to clean for 5 minutes.

2) After cleaning, use clean medical gauze to remove the water and dry completely.

3) Wipe the shell of the main unit, if there's medication left on the junction of electrodes, please dip a clean medical gauze wet wring it dry and use it to remove the dirt, and dry the main unit after cleaning.

- 4) Put in a dry and clean place for storage, in order to avoid contamination.

**Caution**

Do not clean the whole device to prevent water from entering into the main unit.

Use clean medical gauze to wipe the water on the main unit and accessories and keep them dry, in t order to ensure the next safe use.

Do not use distilled water or purified water that has been filtered multiple times.

**9.1.2 Disinfection** :- After each use, the medication bottle, spray interface, medication bottle lid must be disinfected, the method is as follows:

1) Use purified water with a temperature not exceeding 40°C / hospital disinfectant to conduct the daily disinfection of parts such as medication bottle component (including spray interface), medication bottle lid, etc.

a. Dip parts such as medication bottle component (including spray interface), medication bottle lid, etc. in purified water with a temperature not exceeding 40°C / hospital disinfectant for 30 minutes, then wash each part with warm water not exceeding 40°C added with non-toxic detergent.

b. Use a clean medical gauze to wipe the water.

**Caution**

Do not put the main unit in the steam sterilizer directly for disinfection, in order to prevent steam moisture from entering the main unit. Use a clean medical gauze to wipe the residual disinfectant on the parts, in order to ensure the next safe use. Do not use distilled water or purified water that has been filtered multiple times.

**9.2 Storage** :- Put in a dry and clean place for storage, in order to avoid contamination. Store the nebulizer in place where children and other people can't reach. When the nebulizer is not to be used for a while, it should be charged every three months to avoid the auto-discharge of battery.

**Caution**

Do not store the nebulizer in moist and dusty environment.

**10. Disposal**

In order to avoid environmental pollution, please duly handle the expired device or replaced accessories according to local environmental requirements and do not discard casually. Please take off the battery before disposing of the device. The wasted battery shall be sent to the designated place of environmental protection department or sent back to the company for handling

**11. After-sales and maintenance service**

13.1 When all the following conditions are satisfied, the company shall be responsible for the product safety, reliability and performance.:

- Use this production in accordance with the instruction manual.
- Product maintenance is conducted by personnel authorized or approved by the company.
- The storage environment, working environment and electrical environment meets product specification.
- The serial number label or manufacturing mark is clear and recognizable, the product is identified as being manufactured by the company.
- Damage not caused by human factors (such as drop by accident, sabotage deliberately, etc.)

All products that meet the scope of the warranty service can enjoy safe services. For products that exceed the scope of the warranty service, the company will charge for the service. When the product is sent to the company for maintenance, the user shall bear the freight charge (including customs fee).

**12. Symbols**

Symbol	Introductions	Symbol	Introductions
	Batch Code		Type BF applied part
	Caution		"WEEE (Waste Electrical and Electronic Equipment)". The waste products should be handled legally.
	Keep away from sunlight		Date of Manufacture
	Keep dry		This way up
	Fragile, handle with care		Refer to instruction manual/booklet Note : ON ME EQUIPMENT "Follow instructions for use"
<b>IP22</b>	Dustproof waterproof level. It can prevent solid object larger than 12mm from intruding and when tilt for 15 degrees, it can still prevent water from intruding, so no harmful effect will be created.		

**Appendix B. Model difference table**

Model	Appearance
OMN101	