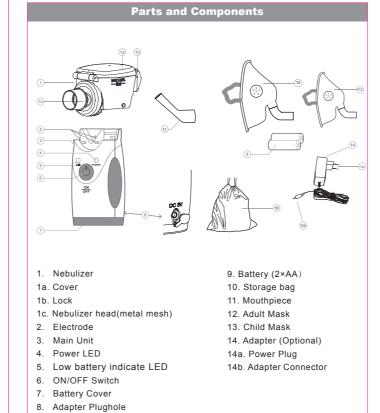
Mesh Nebulizer

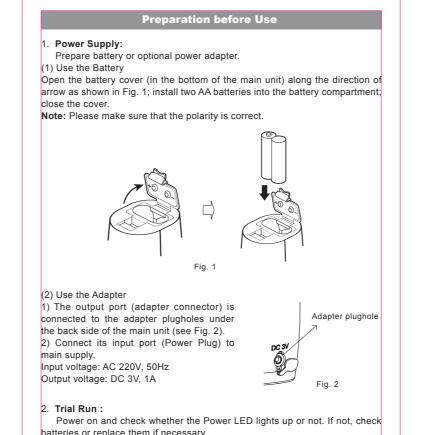
OLIVE



Thank you for purchasing the OLV-N01 mesh nebulizer. This product is intended for the treatment of respiratory diseases such as asthma, allergies, etc. Working principle: thanks to self-excited oscillation circuit, 2 Symbols -the ceramic sheets contained in nebulizing head 3 Safety Information together with the metal mesh are driven successively to oscillate at a high frequency, which makes the 4 Parts and Components liquid flowing through the micromesh of the metal 5 Preparing before Use mesh being ejected and nebulized to form inhalant 6 Assembling the Device 7 Useing the Device SYMBOLS 8 Cleaning and Disinfecting Manufacturer 9 Storage and Maintenance 10 Notes community Regulations for disposal. Attention, consult accompanying **CE** 0123 Operating instructions Type BF Applied Part POWER Power indicate light Low battery indicate CLASS II

• Never use this device when ambient temperature is over 40°C. For more t requirements, please refer to the section - **Specifications**. Do not shake the nebulizer during operation. Avoiding any strong shock on the main unit and its components, e.g., falling Never dismantle the device or attempt to repair any part or component. This device is for human use only. Always use optional accessories as stated in this Instruction Manual only. The device and its parts and components and optional accessories shall only be discarded in accordance with the relevant local regulations.Inappropriate disposal may cause environmental pollution. Risk of electric shock: adsorbing materials.





If the device still does not work, please refer to the section - Troubleshooting

3 A/m

and for 0.5 cycle 40% U_T 40% U_T 40% U_T (60% dip in UT) for 5 cycles 70% U_T 7

Power frequency magnetic field

Portable and mobile R communications equipment shoul be used no closer to any part of the

calculated from the equation applicable to the frequency of the

Recommended separation distance

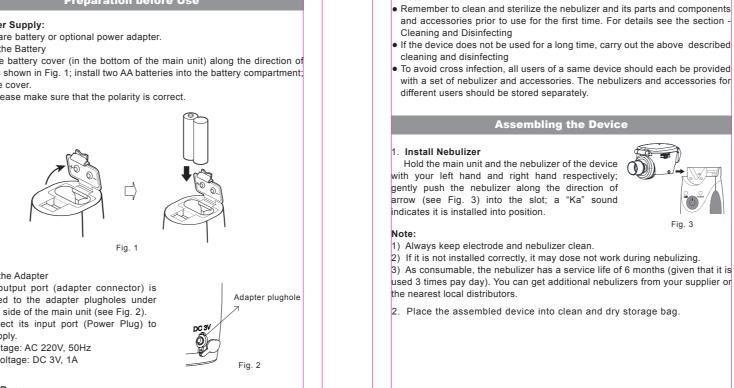
 $d = \left| \frac{3.5}{F} \right| \sqrt{P}$ 80 MHz to 800 MHz

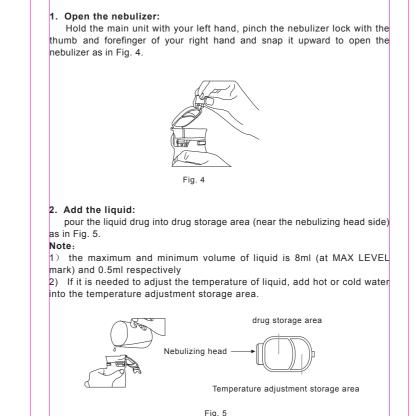
 $d = \left[\frac{7}{F}\right]\sqrt{P}$ 800 MHz to 2.5 GHz

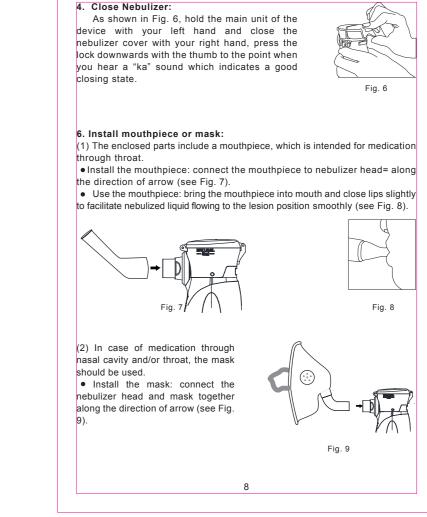
ransmitters, as determined by a lelectromagnetic site survey, should be less than the compliance evel in each frequency range. Interference may occur in the vicinit of equipment marked with the pollowing symbol:

 $d = \left[\frac{3.5}{V} \right] \sqrt{P}$

should be at levels characteristic of







Keep the mask in slightly contact with or a little away from the patient's face, then pull the elastic belt to the back of the head and secure it appropriately (see Fig 1) In case of medication through nasal cavity, it is recommended to take a long breath through nasal cavity and then exhale through mouth. 2) In case of medication through throat, it is exhale through nasal cavity. said above. 1) For the sake of safety, when replacing the mask please select only medical 2) Use the mouthpiece correctly and avoid nebulized liquid against spraying onto the tongue. the affected part.

Use the mask:

recommended to take breath through mouth and then 3) It is allowed to alternate between both methods Fig. 10

devices that meeting the regulatory requirements for medical devices and made by manufacturers with certificate of registration.

3) Never swallow the nebulized liquid and try to let the nebulized liquid stay in

4) In order for effective nebulizing, the user is required to keep calm, relaxed and sit still. If you want to lay in bed for treatment, it is suggested to put a pillow beneath your back so that you can keep the spine straight. Discomfort posture

and unsteady breathing may lead to blockage of the respiratory tract. 5) Please posture correctly before startup the device. Take long breathes steadily and slowly so that the nebulized liquid may be inhaled into the respiratory tract deeply.

6) Press the ON/OFF switch if you want to stop the nebulizing during treatment;

the device will be shut down automatically whenever the liquid is used up. 7) When no aeresol comes out you can sheck the nebulizer head lightly after

8) During nebulizing, the maximum permissible tilting angle of the device is 45° (from the vertical line). If the angle is exceeded, the liquid may spill from the

9) If an operating device is tilted to the extent that the liquid is not in contact with the nebulizing head, the device will shutdown after a delay time of 10

seconds (depending on the liquid type).

10) When there is not much liquid left, you may tilt the device towards yourself to allow liquid gathers at the nebulizing head side in order to make full use of the residual liquid. During operation be cautious not to shake the device because it may cause device malfunction, such as automatic shutdown

7. After completion of treatment, shut it down by pressing the ON/OFF switch;

if power adapter is connected, you are also required to unplug it. 8. Remove the mouthpiece/mask in an order reverse to the corresponding installation order

9.Remove the nebulizer: hold the main unit with eft hand, press the PRESS-key (over the jack for adapter) with your left thumb along the direction of arrow (see Fig. 11); hold both sides of the lower end of nebulizer the right hand to

gently pull it out.



11. Remove the residual liquid to empty the nebulizer and clean the device.For details please refer to the section – Cleaning and Disinfecting. Note: You are advised to, after each use, allow the device running with clear

1. Remove all accessories (including nebulizer, mask, mouthpiece) from the device after each use. 2. Open the cover of nebulizer and remove the residual liquid. You are advised to

after each use, allow the device running with clean water instead of liquid for 1-2 minutes in order to clean the nebulizing head. Clean the mask, mouthpiece, nebulize gently (Note that the main unit should not be washed) 3. Immediately after completion of cleaning, dry the accessories with medica

gauze. Note that the metal mesh in nebulizing head must not be touched strongly any sharp and rough object. Dry the water inlet and outlet of the nebulizing head with medial swab gently.

4. If there is dust on the surface of main unit, please wipe it up with wet and dry 5. After completion of cleaning, store the device in clean storage bag.

1. Disinfecting by using disinfectants • Rinse the mask, mouthpiece with solution of sodium chloride diluted to 0.1% for 10minites (Not including nebulizer); rinse with water; dry with medical

 Disinfecting of nebulize Open the cover and add 2~3ml medical alcohol, allow the device running with medical alcohol for 1-2 minutes (possibly no aeresol or little aeresol). remove alcohol and rinse nebulizer with water; dry the surface of nebulizer with medial swab softly.

 Make sure no residual liquid in nebulizer. Make sure the nebulizer has been cleaned and sterilized thoroughly after each

Store the device and its parts and components and accessories in clean and

 Protect the device against direct sunshine and shock. Remember to keep any heating device and open fire far away from the

 Protect the device against contact with any corrosive liquid. Never dry the device and its parts, components with microwave oven. Never wind any power cord around the main unit.

 Always contact your supplier or the nearest local distributor if repair is necessary. • The warranty period of this device is one (1) year from the date of purchase. Always use or store the device in such environment that the temperature and humidity is in compliance with the requirements as specified in the section – **Specifications**, otherwise the device could not function well.

Before the device is send back to the factory for inspection and repair, never dismantle or attempt to repair it without permission.

 Never touch the metal mesh in the nebulizing head with hands. Never use liquids which containing ester, fatty or suspended particles (including

diffusion juice of herb); please note that specifications may vary with medication type used: please use doctor-advised standard liquid for nebulizing. • The liquid for nebulizing should be prepared based on 0.9% saline or whatever advised by your doctor. No tap water or boiled water can be used.

 The container for preparation of liquid must be boiling-sterilized. • The duration limit for each use of the device should be not more than 15 minutes or other limits as advised by doctor. In consideration that some small-sized parts could be swallowed by infants or

children, the device may only be applied to infants or children when sufficient supervision is provided. Children and mental illness patients should use this • Remove the battery if it is predicted that the device will not be used for a

certain period. Never place the device in water, under waterfall or very humid enclosure.

 Never use it while taking a shower. If the device does not work, find the solutions in the section – **Troubleshooting**. Please always use private accessories as stated herein. Do not use the device where it may be exposed to flammable gas.

This unit confirms to EMC Standard IEC60601-1-2. However, if it is used together with other medical devices or electrical equipment, they may influence the operations of some of devices. Please follow any instruction in

the manuals and use all devices correctly. Don't serve and maintain the mask and mouthpiece when in use with patient.

When technical information for user requirements is not in the scope of confidentiality of the Company, the Company committed to provide information disclosure in accordance with procedure, including circuit diagrams and parts lists, and other related type technology information that does not involve commercial secrets may be disclosed. Access to information channels and

procedures, please contact your dealer or manufacturer.

Please find solutions from the following table first in case of any problem during

your nearest local distributor.

10.	Faults	Symptom/Possible Causes	Solutions
1	Lower nebulizing rate	Low battery indicate LED lights up/goes out	Replace all batteries
		Nebulizer is foul	Clean the nebulizer (please refer to the section – Cleaning and Disinfecting); change nebulizing head if necessary
2	Power LED does not light up and the device does not work	Battery's polarity has been reversed	Reinstall batteries correctly
		Low battery voltage	Replace all batteries
		Power adapter is not correctly connected to the jack the main unit or the power socket	Reconnect it to power socket or re-plug it into the jack
		Incorrect installation of nebulizer	Reinstall the nebulizer correctly. Please refer to the section - Assembling the Device
		Incorrect installation of nebulizer	Reinstall the nebulizer correctly
		Pollution to the nebulizer is serious	Clean the nebulizer; replace nebulizing head if necessary

he liquid can not he in

There are bubbles between the liquid and nebulizing Gently shake the liquid If faults still exist after take measures as listed above, contact your supplier or

ntact with nebulizing heat | yourself to make the liquid

Slightly tilt the main unit toward

gathers at the nebulizing head side

 All major maintains on the device must be performed by an authorized service center or distributor. No use-serviceable parts inside, before servicing to authorized representative or manufacturer!

 Equipment not suitable for use in the presence of flammable mixtures. Type BF applied part. Recognized the mask or mouthpiece as applied part. Internally powered equipment (without adapter), Class II equipment (with

Guidance and manufacturer's declaration – electromagnetic immunity The model OLV-N01 Mesh Nebulizer is intended for use in the electromagnetic environmen specified below. The customer or the user of the model OLV-N01 Mesh Nebulizer should

±6kV contact ±6 kV contact Floor should be wood, concrete or ceramic tile. If floors are covered with ESD)IEC000-4-2 ±8kV air ±8 kV air synthetic material, the relative humidity should be at least 30% transient/burst | ±2 kV for power supply lines | ±2 kV for power supply lines | Mains power quality should be that of a typical commercial or hospital environment. differential mode differential mode a typical commercial or hospital environment.

Note 1 At 80MHz and 800MHz, the higher frequency range applies. affected by absorption and reflection from structures, objects and people. ^a Field strength from fixed transmitters, such as base stations for radio telephones and

land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the Model OLV-N01 Mesh Nebulizer is used exceeds the applicable RF compliance level above, the Model OLV-N01 Digital Blood Pressure Monitor should be observed to verify normal operation If abnormal performance is observed, additional measures may be necessary, such as e-orienting or relocating the Model OLV-N01 Mesh Nebulizer.

Over the frequency range 150KHz to 80MHz, field strength should be less than 3 V/m.

Recommended separation distances between portable and mobile RF communications radiated RF disturbances are controlled. The customer or the user of the OLV-N01 Mesh

Mesh Nebulizer as recommended below, according to the maximum output power of the Rated maximum Separation distance according to frequency of transmitter (m)

output power of 150 kHz to 80 MHz 80 MHz to 800 MHz 800 MHz to 2.5 GHz 0.01 0.117 0.117 0.233 0.1 0.369 0.369 0.738 1 1.167 1.167 2.333
 10
 3.689
 3.689

 100
 11.667
 11.667

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in metres (m) can be estimated using the equation applicable to the requency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies. NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

Mesh Nebulizer

Adult mask Child mask Mouthpiece Instruction

manual, Gift box, Warranty card, 2×AA batteries,

Power Supply 2×AA batteries or Adapter (AC-DC 3V1A) Type BF, Class II Safety level Nebulizing Rate ≥0.2ml/min 8ml/0.5ml Max./Min. Liquid Volume Approximately 5µr

Nebulizing Head Life	180 hours
Battery Life	90 minutes supplied by two AA Alkaline Battery
Automatic Shutdown	Automatic shutdown without liquid
Operating Temperature and humidity Air pressure	+10℃~+40℃, ≤ 85% R.H 700hPa to 1060hPa
Storage Temperature and humidity Air pressure	-10℃~+40℃, ≤ 85% R.H 500hPa to 1060hPa
Pollution degree	Degrees 2
Voltage Category	Category II
Altitudes	≤2000M
	Battery Life Automatic Shutdown Operating Temperature and humidity Air pressure Storage Temperature and humidity Air pressure Pollution degree Voltage Category

Technical specifications may be subject to variations without prior notice. Zhenazhou Olive Electronic Technology Co..Ltd.

Adapter (optional).

2.2V±0.2V



Low Battery Indicate

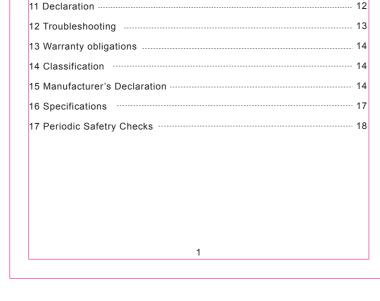
PERIODIC SAFETRY CHECKS If you use the device with power adapter, preventive inspection and

The manufacturer reserves the right to make technical changes without notice owned by the corresponding companies.

maintenance to be performed including the frequency of sunch maintenance.

• Every time before use, please check the adapter, once damaged, never to use. Please clean the plug of adapter plug at least once a year. Too much dust on plug may cause the fire.

in the interest of progress. Prior notices will not be given in case of any amendments within this manual. The mentioned trademarks and names are



Authorized Representative in the European Symbol for the marking of electrical and electronics devices according to Directive 2002/96/E The device accessories and the packaging have t be disposed of waste correctly at the end of the isage. Please follow Local Ordinances of CE marking in conformity with EC directive

• Prior to use, make sure the device and its parts and components (e.g. mouthpiece and mask) are correctly assembled as per this Instruction Manua Never use the device in case the power cord is wet. Never plug in or unplug from the power socket with wet hands. Do not immerse the main unit into water or other liquids. Protect it against water or other liquid splashes. In case it contacts with any splash, disconnect the power supply and mop up with gauze or other soft Never use the device in humid environment such as bathroom. When connected to power supply, check the supply voltage at power socket is correct and make sure your plugging in will not cause overload. Disconnect it from power supply after the use of this device and never leave an energized device aside. Clean the device only after disconnecting it from power supply.

1. Warranty for this mesh nebulizer is 12 months since the date of purchase. 2. The warranty obligations are prescribed by warranty card for buyer. Do not modify this equipment without authorization of the manufacturer.

MANUFACTURER'S DECLARATION

IEC 61000-4-6 150 kHz to 80