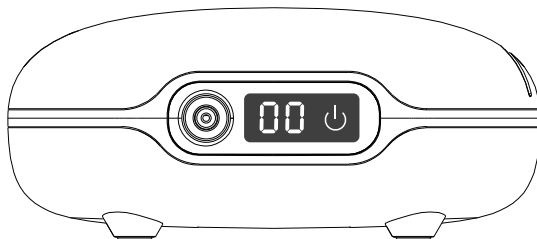


GIO-650

innoGIO



GIO vital PRO Compressor Nebulizer

INSTRUCTION MANUAL

Thank you for purchasing this Nebulizer. Be sure to read this Instruction Manual before using the device to make sure you use it safely and correctly.

COMPRESSOR NEBULIZER

Before using the device

Safety notes	03
Product introduction	05
Product contents	06
Name of the parts	07

How to assemble

How to prepare the power source	08
How to fill the cup with medication	08
How to assemble the medicine cup	09
How to assemble the air tube	10

How to use the device

How to use the device	11
-----------------------------	----

How to clean, disinfect and maintain the device

How to clean the device after inhalation	14
How to disinfect	15
Maintenance of the device	16

Troubleshooting

Specifications	19
----------------------	----

This device is a medical instrument. Be sure to follow the instructions of a doctor in order to use the device correctly. For the type, dose, and regimen of medication, be sure to consult your doctor.

The nebulization characteristics of this device differ depending on the properties of the medication. Especially with the use of a medication having high surface activity or viscosity such as medication solubilizing agent or expectorant, the nebulization rate may be reduced. The nebulization rate may also be reduced when the medication temperature is low.

Safety notes

Be sure to read the safety notes before using the device. The warning signs and the icons shown here are listed for you to use this product safely and correctly as well as to prevent the risk and the damage to you and others from happening. The icons and meanings are as follows.

Warning

- For the type, dose, and regimen of the medication, be sure to follow your doctor's instructions.
- Clean and disinfect the medicine cup, inhalation mask, mouthpiece, and nosepiece (optional) before using them for the first time after purchasing the device or if the device has not been used for a long period of time.
- Clean and disinfect the medicine cup, inhalation mask, and mouthpiece after each use. Make sure that the patient is able to operate the device.
- Do not clean the device while it is in use.
- Promptly dry the cleaned and disinfected parts and store them in a clean location.
- Do not attempt to dry the device, its components or any of the nebulizer parts by putting it in a microwave oven.
- Keep the device out of the reach of unsupervised infants and children. The device may contain small parts that can pose a choking hazard, moreover strangulation due to cables and hoses may occur.
- Use only the original parts provided by the supplier described in the brochure.
- Do not wash the main unit or power plug with water. Do not immerse the main unit in water or other liquid.
- Do not cover the compressor with a blanket, towel, or any other type of cover during use. This could result in the compressor overheating or malfunctioning.
- Do not use the device where it may be exposed to flammable gas or vapors. Pentamidine is not an approved medication for use with this device.
- Always dispose of any remaining medication in the medicine cup after each use.
- Do not leave the device or its parts where it will be exposed to extreme temperatures or changes in humidity, such as leaving the device in a vehicle during warm or hot months or where it will be exposed to direct sunlight.
- Do not use or store the device where it may be exposed to noxious fumes or volatile substances. Make sure that the medicine cup is clean before use.
- Do not use in anesthetic or ventilator breathing circuits.
- Not suitable for use in the presence of flammable anesthetic mixture with air or oxygen or nitrous oxide. Risk of Electrical Shock: Do not use the compressor (main unit) or power plug if they are wet.
- Do not plug or unplug the power plug into the electrical outlet with wet hands.; Do not use or store the device in humid locations, such as a bathroom. Use the device within the operating temperature and humidity. Do not operate the device with a damaged power cord or plug.
- Maintenance and storage
- Do not leave any cleaning solution in the nebulizer parts. Rinse the nebulizer parts with clean warm tap water after disinfecting them.
- Store the device and the components in a clean, safe location.
- If you have any problems with this device, such as its setting up, maintaining or using, please contact the local service. Do not open or repair the device by yourself.

Safety notes

Be sure to read the safety notes before using the device. The warning signs and the icons shown here are listed for you to use this product safely and correctly as well as to prevent the risk and the damage to you and others from happening. The icons and meanings are as follows.

Caution

- Do not inhale water in the medicine cup.
- Do not spill water or other liquids on the compressor or the power plug. These parts are not waterproof. If liquid spills on these parts, immediately unplug the power plug and wipe off the liquid with gauze or other soft absorbent material.
- Do not drop or apply strong shock to the main unit or medicine cup.
- Do not disassemble, repair, or modify the device.
- Provide close supervision when this device is used by or near infants, children or anyone who requires assistance.
- If the device is used continuously, the service life of the device may be shortened.
- Limit use to 30 minutes at a time, and allow a 20-minute interval before using the device again.
- Do not insert any object into the compressor.
- Make sure the air filter is clean. If the air filter has changed color or has been used for more than 60 days, replace it with a new one.
- Make sure the medicine cup is correctly assembled, the air filter is properly installed, and the air tube is correctly connected to the compressor and the medicine cup. Air may leak from the air tube during use if it is not securely connected.
- Do not use the device if the air tube is bent.
- Do not add more than 8mL of medication to the medicine cup.
- Do not operate the device at temperatures higher than +40°C (+104°F).
- Do not tilt the medicine cup so the angle of the kit is greater than 45°, otherwise the medication may flow into the mouth.
- Do not shake the medicine cup while using the device.
- Use only authorized parts and accessories. Parts and accessories not approved for use with the device do not perform the expected specification or may damage the device.
- To avoid injury to the nasal mucosa, do not squeeze the optional nosepiece into the back of the nose.
- Some noise and vibration caused by the pump in the compressor is normal when the device is used.
- The emission of compressed air from the medicine cup also causes some noise.
- This is normal and is not a cause for concern.
- When sterilizing parts by boiling, make sure that the container you use does not boil dry.
- Do not use the device while sleeping.
- Remove the power plug from the device after use.
- Unplug the power plug from the electrical outlet before cleaning the device.
- Do not leave the medicine cup with medication after use.
- Do not store the air tube with moisture or medication remaining in the air tube. This could result in an infection caused by bacteria. Do not wrap the power plug around the compressor (main unit).
- The device may be maintained solely by professionals.

Product introduction

This product is intended for the treatment of respiratory diseases such as asthma, allergies, etc. Working principle: The compressor forces air into the nebulizer. When the air enters the nebulizer, it converts the prescribed medication into an aerosol of microscopic droplets that can easily be inhaled.

Below you will find the meaning of the symbols used in this instruction brochure.

SYMBOLS

MEANING



The symbol for caution. This is a safety symbol that is used to highlight that there are specific warnings or precautions associated with the devices that are not otherwise found on the label. The symbol can also be used to mean "attention, see Instructions for Use."



Manufacturer



The symbol indicates that after its useful life, the device should be sent to a dedicated recycling center in line with local regulations



The symbol for "READ THE OPERATION GUIDE"; It indicates the need for the user to consult the instructions for use.



This symbol indicates that the device includes an EC 60601-1 Type BF Applied Part.

IP21

Protection against ingress of water, it means the device could protect against vertically falling water at an angle of 15° from its normal position.



Indicates the date when the medical device was manufactured.

SN

This symbol shall be accompanied by the manufacturer's serial number.

LOT

The symbol for the lot number; Indicates the manufacturer's batch code so that the batch or lot can be identified.

EC REP

Indicates the Authorized representative in the European Community.



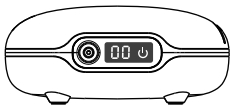
The symbol for the CE Mark. This symbol certifies that a product has met European Union consumer safety, health, or environmental requirements.

Product contents

Please check the product.

The following items are contained in the box. If any item is missing, contact the store where you purchased the product or the nearest dealer.

1. Compressor (Main Unit)



2. Medicine Cup



3. Inhalation Mask (Adult)



4. Inhalation Mask (Children)



5. Mouthpiece



6. Air Tube



7. Air Filters



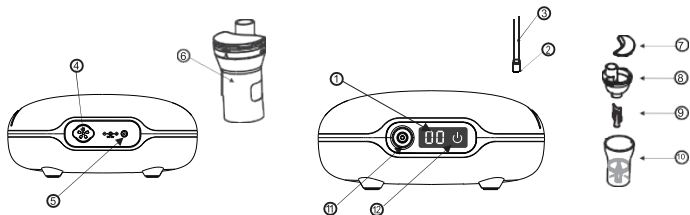
8. DC Adaptor



To start inhalation, you must assemble the units. Read the Page 7,8,9 to understand the points for assembling before starting to use the device.

(Refer to Pages 7, 8, 9)

Name of the Parts



Name of each part

Display screen

Air outlet

Air tube

Air filter & cover

DC jack

Medicine cup

7. Medicine cup cover

8. Medicine cup upper shell

9. Nebulizer slice

10. Medicine cup lower shell

11. Tube connector

12. Touch button

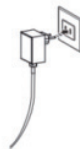
How to assemble



Make sure that the mouthpiece, nosepiece, mask and air filter are clean before use.

Prepare the Power Source

Connect the DC adapter to the DC Jack of the main unit, and then to the power outlet as shown in the Figure. Do not operate the device with wet hands!



Insert the medication

Lift the mouthpiece, the nosepiece or the mask from the medicine cup, and unscrew the nebulizer upper shell.



Caution: Be careful not to knock the baffler off to the ground. The baffler is fixed on the Nebulizer upper shell by two hooks and can be pulled out.

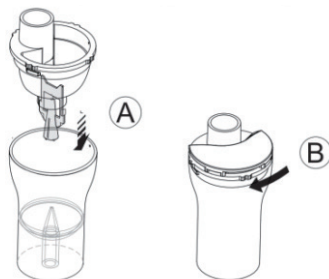


Fill in the correct amount of prescribed medication into the nebulizer bottom shell.

How to assemble

Assemble the medicine cup

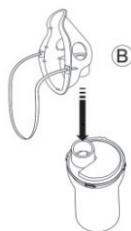
Screw the nebulizer upper shell to the nebulizer bottom shell clockwise until it is securely closed.



B. Assemble the desired inhalation accessories.



Assemble the mouthpiece

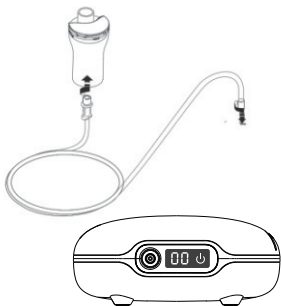


Assemble the mask

How to assemble

Assemble the air tube

Step 1: Twist the air tube plug and push it firmly into the air tube connector of the compressor.



Caution: Keep the medicine cup upright when assembling the air tube.

Otherwise, medication may spill out of the medicine cup.

Caution: Do not use the device if the air tube is bent.

Step 2: Twist the air tube plug slightly and push it firmly into the bottom of the medicine cup.

Use the medicine cup holder as a temporary holder for the medicine cup.

How to use the device

Hold the medicine cup as shown in the Figure

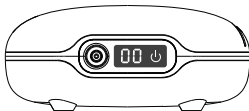


Correct posture



Caution: Do not tilt the medicine cup when the angle of the kit is greater than 45° . Otherwise, medication may flow into the mouth.

2. Touch operation to turn on and turn off



10 mins /20 mins /30 mins timing function: thanks to the timer function, the device can run for the time period you need

*The 8cc medicine liquid offers 30 ± 5 mins of atomizing time

*The 6cc medicine liquid offers 20 ± 3 mins of atomizing time

*The 3cc medicine liquid offers 10 ± 2 mins of atomizing time

tips: If you want to clean the base of the nebulizer, be careful not to let water into the air outlet of the nebulizer, otherwise it may cause water inflow.

How to Use the Device

3. Inhale medication as instructed by the doctor

The differences between the inhalation accessories are as follows:

Mouthpiece

Insert the mouthpiece into your mouth.
Inhale medication normally.
Exhale normally through the mouthpiece.



Mask

Place the mask over the nose and mouth.
Pull the elastic strap over the head.
Gently pull on the strap to secure the mask over the nose and mouth. Inhale the medication.
Exhale normally through the mask.



Nosepiece (Optional)

Inhale the medication through the nosepiece as illustrated. Exhale through the mouth.



How to Use the Device

4. Disconnect the air tube from the medicine cup

Hold the air tube plug and gently pull it down

Check the air tube. Make sure that there is no remaining condensation or moisture in the air tube.

If any condensation or moisture remains in the air tube, remove the moisture from the air tube. Follow the directions below:

Make sure the air tube is still connected to the air tube connector of the compressor.

Touch the power switch to turn on the device; the compressor will start and pump air through the air tube to expel the moisture.
(30-minute/20-minute/10-minute modes are available)

Turn off the device.

5. Disconnect the air tube from the compressor


Hold the air tube plug and gently pull the air tube plug off the air tube connector on the upper side of the compressor.

6. Unplug the DC adaptor from the power outlet (adaptor version)

Unplug the DC adaptor from the power outlet and DC jack of the main unit.



How to clean the device after inhalation

Be sure to clean and store the device in the right conditions after inhalation. 

Remove the inhalation accessory from the medicine cup.

Disconnect the air tube from the medicine cup.

Gently screw off the medicine cup upper shell.



Discard the remaining medication.



Wash the parts thoroughly with water.

Hand dry or air dry in a clean environment using a soft, clean, lint-free cloth.



Assemble the medicine cup and store it in a dry bag.

Caution: Clean the casing of the main unit by using a soft cloth moistened with water or a mild detergent. Do not use abrasive cleaners.

How to disinfect the device

Disinfect the medicine cup and mouthpiece or nosepiece after the last treatment of the day.

Use the method described below:



To disinfect the mask, use a commercially available disinfectant with the instructions provided by the disinfectant manufacturer.

Submerge the parts in the disinfectant solution for the specified period.

Remove the parts and discard the solution.

Rinse the parts with clean warm tap water, shake off excess water and dry in a clean environment.



Never dry the parts in the microwave oven.

Never use an autoclave, EOG gas disinfection or low temperature plasma sterilizer to disinfect the device.

Maintenance of the device

USE

- This device is a medical instrument, be sure to follow the instructions of a doctor in order to use it correctly.
- The nebulization characteristics of this device differ depending on the properties of the medication. Especially with the use of a medication characterized by high surface activity or viscosity such as medication solubilizing agent or expectorant, the nebulization rate may be reduced. The nebulization rate may also be reduced when the temperature of medication is low.
- Do not use the device if it is damaged in any way. The continuous use of a damaged device may cause a serious risk of an injury or undesired treatment results.
- When not in use, store the device in a dry room and protect it against extreme moisture, heat, lint, dust, and direct sunlight. Never place any heavy objects on the storage case.
- Provide close supervision when the device is used by, on, or near infants, children, or anyone that requires supervision.
- No modification of this equipment is allowed.
- The inhalation mask is recommended when the main unit is used by children younger than 5 years old. Keep the device out of the reach of unsupervised infants and children. The mouthpiece or other small parts may pose a choking hazard if swallowed.
- You may hear a metallic sound but it does not indicate a malfunction.
- Always disconnect the device from the power source after use.
- The mouthpiece and inhalation mask come in direct contact with the user, please keep it clean.

STORAGE

- DO NOT store the device in locations exposed to high temperatures (over 60°C), low temperatures (below -20°C), high relative humidity (over 95%) or excessive amounts of dust. Never place any heavy objects on the storage case.
- Store the device and component in a clean, safe location. Keep the device out of reach of small children.

MAINTENANCE

- Be careful not to drop the device or subject it to other shocks or vibration. Never dry the parts in a microwave oven.
- Note that parts other than the mouthpiece cannot be boiled!
- Do not move or leave the nebulizer with medication in the medicine cup.

Troubleshooting problems

Problem	Possible Cause	Solution
The device does not turn on after pressing the switch button	The DC adapter is not plugged into the main device.	Plug the DC adapter into the DC jack. Press the switch button
No nebulization or low nebulization rate when the power is on.	No medication in the Medication Cup. Too much or too little medication in the Medication Cup.	Add the correct amount of the prescribed medication to the Medication Cup.
	The Baffler is not attached to the Medicine Cup Upper Shell or it is incorrectly positioned.	Make sure the Baffler is correctly attached to the Medicine Cup Upper Shell.
	The Medicine Cup is not correctly assembled.	Make sure the Medicine Cup is correctly assembled and the inhalation accessory is correctly attached.
	The nozzle is blocked.	Clean and disinfect the Medicine Cup to remove the blockage
	The Medicine Cup is tilted at an incorrect angle.	Hold the Medicine Cup correctly. Do not tilt the Medicine Cup so the angle of the kit is greater than 45 degrees.

Troubleshooting problems

No nebulization or low nebulization rate when the power is on.	The Air Tube is incorrectly attached.	Make sure the Air Tube is correctly attached to the compressor and the Medicine Cup.
	The Air Tube is folded or damaged. The Air Tube is blocked.	Make sure the Air Tube is not folded, kinked or bent. Inspect the Air Tube for any damage. Replace the Air Tube if damaged
	The Air Filter is dirty	Replace the Air Filter with a new clean Air Filter
The device is very hot.	The compressor is covered.	Do not cover the compressor with any type of cover during use.
	Operating continuously over 30 minutes.	Limit use to 30 minutes at a time and allow a 20-minute interval before using the device again.
The device is abnormally loud.	The air tube is incorrectly attached.	Attach the air filter cover correctly. Make sure the air filter cover is not blocked.

Note: If the device does not nebulize normally after you have taken the above-mentioned steps, contact the store where you purchased the device or the nearest dealer.

Specifications

Product name	InnoGIO GIOvital PRO Compressor Nebulizer
Model	GIO-650
Standard accessories	nebulizer, air tube, adult mask, child mask, mouthpiece, filters (5)
Power source	AC 100V ~ 240V, 50Hz/60Hz
Nebulization Pressure	40KPa-80KPa
Working Environment	Temperature: 10 to 40°C Humidity: 30 to 85% RH Atmospheric Pressure: 700 – 1060hPa
Storage Environment	Temperature: -20 to 60°C Humidity: 10 to 95% RH Atmospheric Pressure: 70.0KPa ~106.0KPa
Device type	Equipment
Power consumption	Adapter: I/P:100-240V.50 60Hz,0.6A MAX. O/P:12V DC,1A.
Sound Level	≤50dB(A)
Capacity of Medicine Cup	8 ml
Nebulization Rate	0.20 ml / min
Particle Size	MMAD ≤ 3.5μm ±25%
Dimensions	157 x 98 x 96 mm
Weight	Approximately 250 g
Protection against harmful ingress of water or particulate matter	IP21

- Nebulization rate is lower at low temperatures.
- Specifications and appearance may be changed without prior notice for improvement.

Limit use to 30 minutes at a time and allow a 20-minute interval before using the device again.


innogIO

Importer: **INNOGIO** sp. z o.o.
Ostródzka street 74H, 03-289 Warsaw, Poland
www.innogio.com



Authorized European Representative:

EC REP SGS Fimko Ltd., Notified Body 0598
Takomotie 8, FI-00380 Helsinki, Finland

 Shenzhen Fitconn Technology Co., Ltd.
7th, Floor, No. 116 Xiangshan Road, Luotian Community, Songgang Street,
Bao'an, Shenzhen, Guangdong P. R. China

