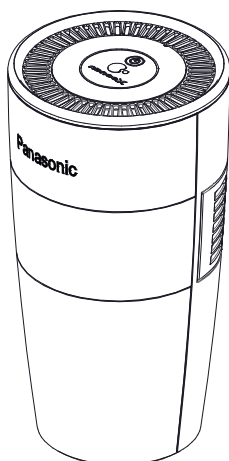


# Panasonic®

## OPERATING INSTRUCTIONS

### Nanoe Generator

Model No. F-GPT01M



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Thank you for purchasing this Panasonic product.  
Please read these operating instructions carefully before operation and maintenance.  
Also, be sure to read the "SAFETY PRECAUTIONS" section (P. 2~5) before use.  
Failure to comply with instructions could result in injury or property damage.  
Please retain this booklet for future reference.


# SAFETY PRECAUTIONS

Please strictly follow

- Disconnect power supply before maintenance.
- If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.
- This product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the product by a person responsible for the safety. Children should be supervised to ensure that they do not play with the product.
- Be sure to use the included USB power cord.
- Be sure that this product is powered by a safety extra-low voltage (SELV) circuit as indicated on its nameplate.

The following instructions should be strictly observed in order to prevent injury to the users and other people, or damage to property.

- The degrees of injury or damage that can occur when the instructions are ignored and if the product is not used properly have been classified and described by the following indications.

 **WARNING** This indication means: Must be treated seriously that this may result in death or serious injury.


 **CAUTION** This indication means: Must be treated seriously that this may result in injury or physical damage.


- Types of instructions that should be observed have been classified and described by the following pictorial symbols.

  This symbol indicates the item is "PROHIBITED" to do.

 This symbol indicates the "COMPULSORY" item that must be followed without failure.

## WARNING

-  ■ Do not pull the USB power cord when carrying or storing the product.  
(Otherwise, the USB power cord may be damaged with the possibility of fire or electric shock.)
- Unplug the product by holding the USB plug instead of by pulling on the USB power cord.  
(Otherwise, a short circuit may be caused or the wire in the cord may be damaged, thus resulting in fire or electric shock.)
- Do not touch the USB power cord with wet hands.  
(Otherwise, electric shock may be caused.)

-  ■ Do not use any input voltage other than 5 V  $\overline{=}$  .  
(Otherwise, a fire may be caused.)
- Do not insert your fingers, metallic objects or others into the air inlet, air outlet or gaps.  
(Otherwise, you may be hurt by the inner units with the possibility of electric shock or injury.)
- Do not allow drinking water, cigarette ash or flammable materials to enter the product through the air inlet and air outlet.  
(Otherwise, fire, electric shock or malfunction may be caused.)

## WARNING



### ■ Do not damage the USB power cord.

- Do not cut, modify, excessive distort, twist, squeeze the USB power cord, and do not place it near heat sources, place heavy weight on it, etc.  
(Otherwise, the USB power cord may be damaged with the possibility of fire or electric shock.)  
To replace the USB power cord, please contact the dealer.

### ■ Do not let the product get wet.

(Otherwise, the product may short circuit with the possibility of fire or electric shock.)



### ■ Be sure to unplug the USB power cord before any maintenance or care.

(Otherwise, the product may operate suddenly, thus resulting in electric shock or injury.)

### ■ Be sure to unplug the USB power cord when the product will not be in use for a long period of time.

(Otherwise, the insulation may deteriorate, thus resulting in electric shock, electric leakage or fire.)

### ■ Be sure to use the included USB power cord.

(Otherwise, electric shock or fire may be caused.)



### ■ Please stop using the product immediately and unplug the USB power cord if any of the following cases occur.

- When metallic or any other foreign objects, or water or any other liquids enter the product.
- When any smoke, odor or noise is noticed, or the product falls off or gets damaged.  
(Otherwise, electric shock, fire or smoke may occur.)

### ■ Insert the USB plug all the way into the USB socket.

(If the USB plug is not fully inserted, the USB power cord may be overheated, thus resulting in fire or electric shock.)

- Do not use a damaged USB power cord or a loose USB socket.

### ■ Insert the power plug completely.

(If the power plug is not fully inserted, the power cord may be overheated, thus resulting in fire or electric shock.)

- Do not use damaged power plug or loosen power socket.



### ■ Do not disassemble or modify the product by yourself.

(Otherwise, the product may malfunction or catch fire, thus resulting in fire or electric shock.)

- Contact the dealer for repair if needed.

## Observe the following when using in a car



### ■ Do not install the product in a position where it may obstruct the vision, hinder the driving or pose a danger to passengers.

(Otherwise, traffic accidents or injury may be caused.)



### ■ Do not switch Off/On when driving.

(Otherwise, driver distraction may be caused, thus resulting in traffic accidents.)

# SAFETY PRECAUTIONS

Please strictly follow



## WARNING

Observe the following when using in a car



- **Do not let the USB power cord hinder the driving.**
  - Do not get it in touch with or pinched by movable parts such as the steering wheel, brake pedal, seat rail and gear lever. Allow for the forward and backward movement, rotation or tilt of the seat when wiring the power cord. (Otherwise, traffic accidents may be caused.)



- **Check that the electronic components in the car work properly after the power cord is connected.**  
(Otherwise, fire, electric shock or traffic accidents may be caused.)
  - ※ The brakes, lights, horns, warning lights, winker, etc.



## CAUTION



- **Do not place the product in the following places:**
  - Unstable places such as commercially available cup holders, swinging table surfaces and inclined places.  
(Otherwise, the product may fall over and injury may occur or damage the product.)
  - Cup holders that may cause the product to fly out or fall off.  
(Otherwise, injury may be caused.)
  - Cup holders that may cause the wire to be bent or constrained sharply.  
(Otherwise, the wire may be damaged, thus resulting in electric shock or fire.)
  - Where the temperature or humidity is extremely high, or watery area, such as bathroom.  
(Otherwise, current may leak with the possibility of fire or electric shock.)
  - Where oil fume is emitted, such as in kitchens.  
(Otherwise, the product may crack and injury may occur.)



- **Do not allow volatile substances or combustible substances, such as cigarette smoke and incense, to enter the product.**  
(Otherwise, a fire may be caused.)
- **Do not drop or impact on the product during transportation.**  
(Otherwise, injury may be caused.)
- **Do not clean the product with gasoline or other volatile mixture solvents, and avoid contacting with spray insecticides.**  
(Otherwise, the product may crack or short circuit with the possibility of injury, fire or electric shock.)
- **Do not sit on or lean against this product.**  
(Otherwise, the product may fall over and injury may occur or damage the product.)
  - Families with children should pay more attention.

# SAFETY PRECAUTIONS

Please strictly follow

## ⚠ CAUTION



- Do not place the product in the following places:
  - Where oil or flammable gas may be leaked.  
(Otherwise, such substances may be absorbed into the product and catch fire, thus resulting in a fire.)

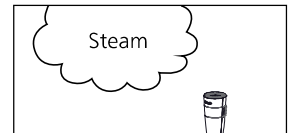
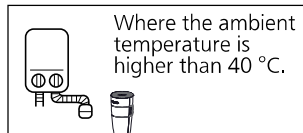
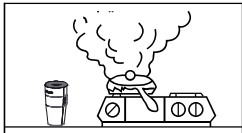


- Do not place the product near combustible materials such as lighted cigarette, incense, etc.  
(Otherwise, flammable substances may be absorbed into the product and catch fire, thus resulting in a fire.)

## OPERATING REQUIREMENTS

- Do not place the product in the following places (indoors):

- Where too much oil smoke is present.
- Places of high temperature.
- Sauna and steam rooms.



- When the product is used in a car, do not place the product in the following places:

- Where the product will be exposed to direct sunlight.  
(Otherwise, deformation, degeneration, discoloration or malfunction may be caused.)
- Near the car's electronic key.  
(Otherwise, radio waves of the product may be interfered with, thus resulting in failure to recognize the electronic key, or making an alarm sound and illuminating a warning light.)

→ Keep a distance of 30 cm or above.

- Keep the product away from the glass and antenna of the car, since noise may be mixed into the radio signal.

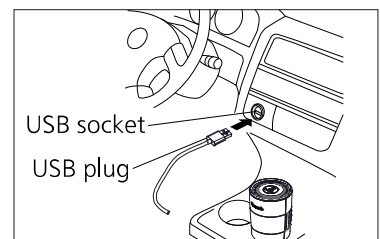
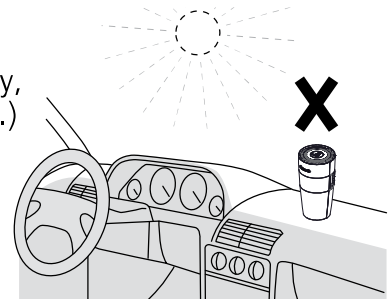
- When using for a long time.

Clean the area around the air inlet and air outlet regularly since it is particularly easy to get dirty. (Page 7~8)

- Do not leave the product in the car when it is not in use.  
(Otherwise, discoloration, deformation and malfunction may be caused.)

- Do not use the product when it is put in the door cup holder.  
(Otherwise, the product may fall over, thus resulting in damages.)

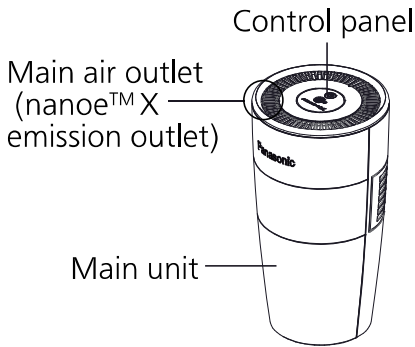
- When the product is in place, please make sure that no obstacles block the product air inlet and outlet.  
(Otherwise it may affect product performance.)



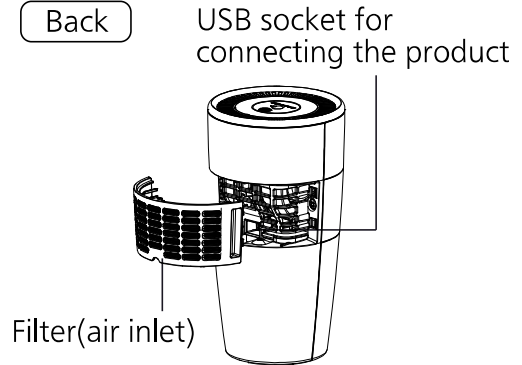
Recommended places  
(when the product is used in a car)

# PARTS IDENTIFICATION

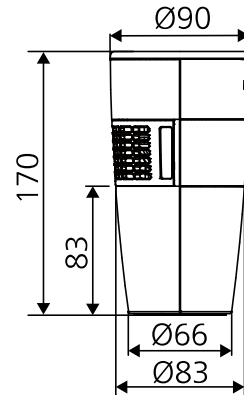
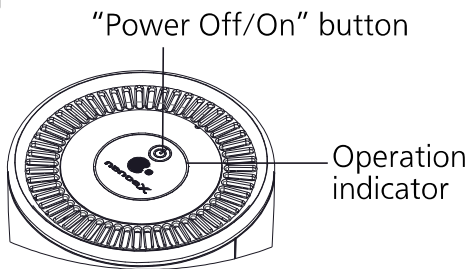
Front



Back

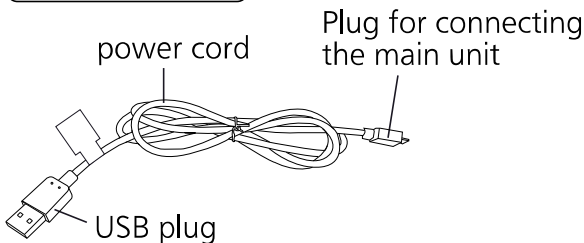


Control panel



Unit: mm

USB power cord



**⚠ WARNING**

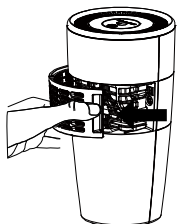


■ Be sure to use the included USB power cord. (Otherwise, electric shock or fire may be caused.)

## HOW TO USE

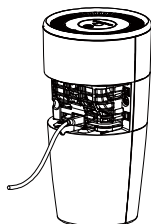
1 Connect the USB power cord to the product.

① Slightly press the recess of the filter with your finger, and remove the filter in the direction shown in the figure.



Remove the filter

② Insert the USB power cord into the socket as shown in the figure.

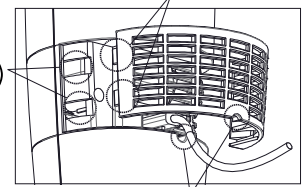


Route the wire along the groove.

③ Push the filter into the main unit in the direction shown in the figure until it clicks into place. (Do not let the USB power cord get pinched when installing the filter.)

Protrusions (2 place)

Holes (2 place)

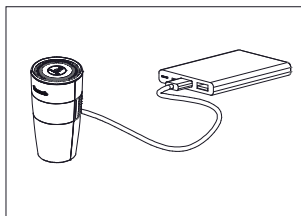


Pass the USB power cord through here.

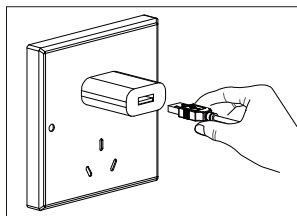
# HOW TO USE

## 2 Connect the power supply.

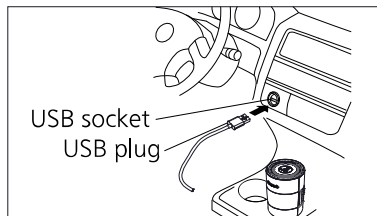
- Before connect the power supply, please confirm the maximum output current of the power supply is 1.5 A or more.
- Insert the USB power plug into the USB socket.



Portable power bank



USB adapter



Car USB device

### **WARNING**

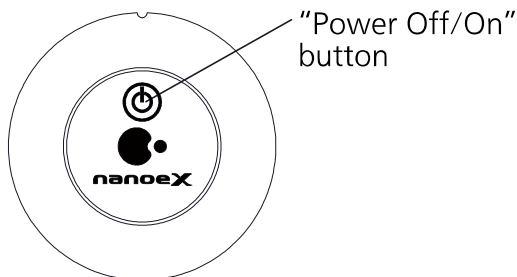


■ **Do not use any input voltage other than 5 V  $\equiv$  .**  
(Otherwise, a fire may be caused.)

#### Notice

When the product is used in a car, please do not use the same power supply for it and other electric appliance.

## 3 Operation



"Power Off/On"  
button

### Power Off/On



Turn the product on or off.  
Press the button to turn the product on.  
■ Press the button again, the product stops operating.

#### Notice

- The product can operate only when the USB power cord is connected.
- When the product is used in a car, the product may keep running even after the car key is pulled out or the engine switch is turned off. To prevent battery consumption, unplug the USB power cord.

# MAINTENANCE

## Precautions before maintenance

- Be sure to unplug the USB power cord from the main unit.

To maintain the performance of nanoe™ X, frequent care is required for the filter. The degree of dirtiness of the filter may vary with the operating environment. Please clean the filter approximately once every two weeks or whenever it is clogged by dust or dirt.

- When using chemically treated cloth, please follow the instructions.
- Do not use the detergents shown in right.





# MAINTENANCE

## Filter <about once every 2 weeks>

- ① Remove the filter from the product (How to remove the filter → Page 6).
- ② Wash off the dust with water.
- ③ Let the filter air dry after washing.

### Stubborn dirt

- When the dirt is difficult to remove, dampen a soft sponge with a small amount of neutral kitchen detergent to clean it. Then, rinse the detergent off and let the filter air dry in a cool place.

### Notice

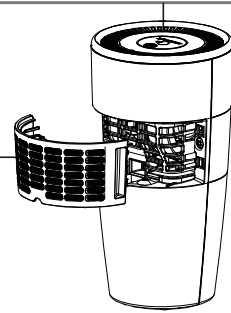
- The filter is fragile, so please do not press or wipe it with too much force when cleaning. (Otherwise, the inhaled dust may enter the product from the damaged part, thus resulting in malfunction.)

### Notice

- Do not operate the product with the filter removed. (Otherwise, the inhaled dust may enter the product, thus resulting in malfunction.)

## The product

Wipe the outer surface with a wrung out soft cloth. Wiping with a hard cloth may damage the surface.



## When idle for a long time

- ① Unplug the USB power cord from the main unit.
- ② Perform regular maintenance and care.
- ③ Wrap the product with a plastic bag and store it in a low-humidity place.

# TROUBLESHOOTING

If a problem is encountered, please investigate it by going through the following items. If the problem still persists, be sure to unplug the USB power cord from the main unit. Please contact the dealer for repair.

| Possible situation                        | Please confirm the following  |
|---|---|
| The product does not work.                | <ul style="list-style-type: none"> <li>• Is the USB power cord connected properly and securely?</li> </ul>  |
| An odor is smelt.                         | <ul style="list-style-type: none"> <li>• Is there any dirt on the product or filter?<br/>→ Please clean it. (Page 7~8)</li> <li>• When nanoe™ X is generated, you may smell a slight ozone odor, which is not harmful to your health. (Page 9)</li> </ul> |
| A “jee” sound is from the emission outlet | <ul style="list-style-type: none"> <li>• There is a slight sound when nanoe™ X is generated. Depends on the environment and operation mode, the sound may be a bit loud or inaudible but it is not abnormal phenomena.</li> </ul>                         |
| Operation stops.                          | <ul style="list-style-type: none"> <li>• Is the USB plug connected properly?<br/>→ Please insert the USB plug into the USB socket properly. (Page 7)</li> </ul>   |



# TROUBLESHOOTING

If a problem is encountered, please investigate it by going through the following items. If the problem still persists, be sure to unplug the USB power cord from the main unit. Please contact the dealer for repair.

| Possible situation  | Please confirm the following  |
|---|---|
| The operation indicator is blinking.                            | <ul style="list-style-type: none"><li>• The circuit fails.</li></ul> → Be sure to unplug the USB power cord from the main unit.<br>Please contact the dealer for repair.                                  |
| The operation indicator goes dim.                               | <ul style="list-style-type: none"><li>• Is a power supply with the maximum output current lower than 1.5 A used?</li></ul> → Please use a power supply with the maximum output current of 1.5 A or above. |
| The air volume becomes low or sometimes high and sometimes low. |   |

## FURTHER INFORMATION

### About nanoe™ X

#### ■ Conditions for nanoe™ X generation.

nanoe™ X is generated by using the air in the room. Therefore, due to the differences in temperature and humidity nanoe™ X may not be generated stably.

Room temperature: about 5 °C~40 °C (dew-point temperature: 2 °C or above)

Relative humidity: about 30%~85%

#### ■ When nanoe™ X is generated, small amount of ozone will be released. However, the amount of ozone generated is far smaller than that of ozone present in a forest, which is not be harmful to human beings.

### Comes with the nanoe™ X technology

#### ■ About nanoe™ X

- The so-called nanoe™ X are charged water purification particles generated by applying high voltage to separate water molecules.

- nanoe™ X features: high moisture content, small particles, high stability, etc.

1. High moisture content (the moisture content is 1,000 times the moisture content of ordinary anions)
2. Small particles (about 5 nm - 20 nm (nanometers) in size, able to penetrate deep into the fiber and stratum corneum)
3. High stability (6 times more stable than a common ion, covering a distance of 10 m or above)
4. More hydroxyl radicals (up to 4,800 billion of radicals are generated per second)
5. Weak acidity (with weak acidity features close to that of hair and skin)

All of the above features have been tested by SGS-CSTC Standards Technical Services Co., Ltd.

Note: nanoe™ and the nanoe™ mark are trademarks of Panasonic Corporation. nanoe™ X are particulate ions containing hydroxyl radicals whose amount is 10 times that of nanoe™.



# FURTHER INFORMATION

## About the product

- This product is a commodity that comes with nanoe™ X, instead of a medical equipment.
- The nanoe™ X technology has the functions of inhibiting bacteria and viruses, but it cannot achieve the sterile state and does not guarantee to prevent infection.
- The result is of the test performed with the nanoe™ X generator in a limited environment. It is not verified with the generator installed in the product.
- The actual effect may vary with the specific operating conditions and usage conditions.

## SPECIFICATIONS

|                   |              |                   |   |
|-------------------|--------------|-------------------|---|
| Rated voltage     | 5 V $\equiv$ | Power cord length | (USB power cord) 1.5 m  |
| Power consumption | 3.5 W        | Product dimension | Top diameter: 90 mm;<br>bottom diameter: 66 mm;<br>height: 170 mm |
| Noise             | 34 dB(A)     | Product weight    | About 0.4 kg  |

- The power consumption is measured in the factory setting status.
- Electric specification and noise value are measured when static pressure is 0 Pa.
- Noise value is the weighted sound pressure grade A, which is the central value measured by this company, its tolerance range is from +3 dB ~ -7 dB. The method to measure is as follows: In an anechoic chamber, measure the noise value at a position 1 m away from the left side, right side, top and front of the sample respectively, and then get the averaged value.

## Please contact dealer

Operation indicator is blinking. Product may be out of order.  
Please disconnect the power supply and contact the dealer for repair.

**Panasonic Corporation**

Web site: <http://www.panasonic.com>

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