

Panasonic®



Operating Instructions 使用说明书

Nanoe Generator
车载纳米水离子发生器

Model No. **F-GMG01A**
型号:

This product is for use in car.

本产品车内专用



English 3

中文 19

Thank you very much for purchasing this Panasonic product.

- Before operating this product, please read the instructions carefully, and save this manual for future use.

感谢阁下选购 Panasonic 产品。

- 使用产品前请仔细阅读本使用说明书，并请妥善保管。

Operating Instructions

Nanoe Generator

Model No. **F-GMG01A**

This product is for use in car.

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Confirmation

Operating
methods

Care and
maintenance

When you
feel confused

Warranty included separately.

Thank you very much for purchasing this Panasonic product.

- Please read these operating instructions carefully in order to use the product correctly and in a safe manner.
- Also, be sure to read the “Safety precautions” section (Page 4-9) before use.
- Make sure that the correct information is written on the warranty card, including the date of purchase and the name of the distributor. Keep the warranty documentation in a safe place along with the operating instructions for future reference.

Safety precautions

Always observe these precautions.

These safety precautions are provided for your protection. Please read and follow them carefully to avoid unnecessary injury and damage to the product itself or other properties.

- The following symbols differentiate the levels of danger and injury that may result if the product is not used specifically as instructed.



WARNING

This symbol indicates that improper handling may cause a risk of death or serious injury.



CAUTION

This symbol indicates that improper handling may cause a risk of injury or damage to the product or to your properties.

- This manual uses a number of other symbols to indicate additional information for a particular item. (The symbols given below are examples.)



This symbol indicates an action that must not be performed.



This symbol indicates an action that must be performed.



WARNING



- **When errors occur, please disconnect the power plug of the car DC adapter.**

- When the inside is mixed with metal, liquid such as water, or foreign material.
- When smoke, unpleasant odor or noise comes out, or dropping or damage occurs. (It may cause a fire.)



- **Do not use the unit in a vehicle other than 12 V.**

This unit is specially used for the normal car which uses a 12 V DC battery.
It cannot be used in the vehicle that uses a 24 V DC battery (bus, truck, etc.,).
(Otherwise it may cause fire.)

- **Do not install the unit in the places where vision or driving is obstructed, or it may bring danger for the fellow passengers.**

(It may cause a traffic accident or injury.)

Safety precautions

Always observe these precautions.



WARNING



- **Do not pull on the adapter cord when carrying or storing away the unit.**

(It may cause a short-circuit or damage the wires inside the cord, and fire or electric shocks may occur.)

- **Do not pull on the adapter cord when disconnecting the car DC adapter.**

(It may cause a short-circuit or damage the wires inside the cord, and fire or electric shocks may occur.)

- **Do not plug or unplug the adapter plugs with wet hands.**

(Electric shock may occur.)

- **Do not do anything that may damage the adapter cord or the plugs.**

- The adapter cord must not be damaged, modified, bended excessively or pulled.
- Also do not place heavy objects on it.
- (Electric shock or fire may occur.)
- Ask the place of purchase for any repairs.



- **When inserting the power plug, make sure the car DC adapter hit the bottom of the accessory socket, to ensure that it can be securely inserted.**

(An incomplete connection may cause an electric shock or overheat, which results in fire.)

- Do not use a damaged car DC adapter, a loose accessory socket.

- **Be sure to use the attached car DC adapter.**

(Otherwise it may cause an electric shock or fire.)

- **Be sure to clean the dust of the car DC adapter regularly.**

(When the dust accumulates, it may cause poor insulation due to factors such as moisture, resulting in a fire.)

- Disconnect the adapter and wipe with dry cloth.
- Disconnect the adapter when the product is idle for a long time.

Safety precautions

Always observe these precautions.



WARNING



- **Make sure that the wiring of the adapter cord of the car DC adapter does not disturb the driver.**

- Do not touch or nip the movable parts such as steering wheel, brake pedal, seat rail, gear shift, etc.
- Please consider the forward and backward moving, rotation of the seats, and the trend of reclining before conducting the wiring.
(It may cause a traffic accident.)

- **After the wiring of the adapter cord, please confirm if the electric components* of the car work.**

(It may cause fire, electric shock or traffic accident due to malfunction.)

- ※ Brake, light, horn, hazard, winker, etc.



- **Do not disassemble, repair or modify the unit.**

(It may cause ignition or unexpected start, resulting in fire or electric shock.)
Ask the place of purchase for any repairs.

- **Do not insert your fingers or metal objects into the air inlet, air outlet or any other gaps.**

(The contact with the inside of the unit may cause an electric shock or injury.)

- **Do not allow drinking water, cigarette ash, inflammable substances, etc. to enter the inside of the unit through the air inlet and air outlet.**

(It may cause fire, electric shock.)

Safety precautions

Always observe these precautions.



WARNING



- **Do not soak the unit in water, or let the unit get wet.**

(It may cause fire or electric shock due to short circuit.)



- **Be sure to disconnect the power plug before cleaning the unit.**

(The unit may start operating unexpectedly otherwise it may cause electric shock.)

- **Do not operate the unit during driving.**

(The driving is mislaid and an unexpected traffic accident may occur.)

- **When the unit is idle for a long time, be sure to disconnect the power plug from the accessory socket.**

(It may cause insulation aging, resulting in an electric shock or fire because of electricity leakage.)

Safety precautions

Always observe these precautions.



CAUTION



■ Do not put the unit in the following places:

- The unstable places such as the cup holder sold in the market, the swaying table, the leaning places, etc. (It may cause the unit to drop or turn over, resulting in injury.)
- The cup holder where the unit may jump out or fall off. (It may cause injury.)
- The cup holder where the cord is excessively bended or pressed. (It may cause the damage of the cord, electric shock or fire.)
- Where safety is not guaranteed. (Causes of falling over and injury)
- Where temperature or humidity is too high, or water is present. (The unit may leak current and electric shock or fire may occur.)
- Places where oil content is airborne. (Otherwise, injury may be caused due to cracks.)
- Where oil or inflammable gas is present and may be leaked. (Otherwise, fire or smoke may be caused due to ignition in the unit.)



■ Do not touch the metal part of the power plug (accessory socket) of the car DC adapter.

(It may cause a burn.)

- ※ After the operation stops, the temperature of the metal part of the power plug is so high that it may cause a burn.

■ Do not directly touch the powered-on car DC adapter.

(It may cause low-temperature burning.)

- ※ About the low-temperature burning: Even if the temperature of a substance is a little higher than that of the body of the human beings, low-temperature burning may still occur if the same part of the skin touches the substance directly for a long time.

Safety precautions

Always observe these precautions.



CAUTION



- **When carrying the unit, please avoid dropping or applying a shock over the unit.**

(It may cause injury.)

- **Do not carry or move the unit by holding the louver.**

(It may cause injury.)

- **Do not step or sit on the unit.**

(Otherwise, injuries may be caused.)

- Please be particularly cautious if you have small children in the home.



- **Do not clean the unit with solvents such as oil, alcohol, benzene or thinner, and avoid contact with insect sprays.**

(The unit may become cracked and injury may occur, or the unit may short-circuit and cause electric shock or fire.)

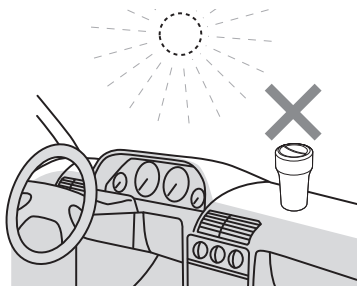
- **Do not get close to the inflammable substances or the lit cigarette or incense.**

(It may cause fire due to ignition.)

Operating requirements

■ Do not put the unit in the following places:

- The nearby of the electric key of the car (It may interfere the electric wave of the unit, causing it to fail to identify the electric key, or an alarm may sound, or the alarm indicator lights up.)
→ Please keep a distance of 30 cm or above.
- Please keep away from the glass antenna of the car. Otherwise it may cause noise for the radio.
- Where it is exposed to the direct sunlight (it may cause change in color or shape, or cause an error.)



■ If the unit has been used for a long time:

The surrounding of the air inlet and air outlet is easy to get dirty.
Therefore, it is necessary to carry out care and maintenance regularly. (P.15)

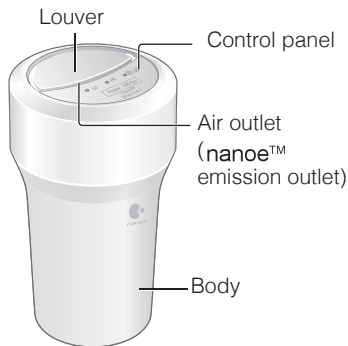
■ Do not place inside the car for a long time.

(It may cause change in color and shape, or an error.)

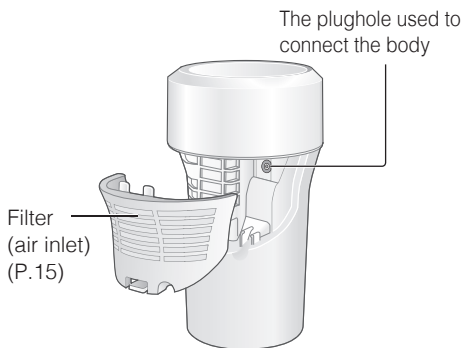
- This unit is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experiences and knowledge, unless they have been given supervision or instruction concerning use of the unit by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the unit.
- The unit is only to be used with the power supply unit provided with the unit.
- The unit must only be supplied at safety extra low voltage corresponding to the marking on the unit.

Parts identification

Front

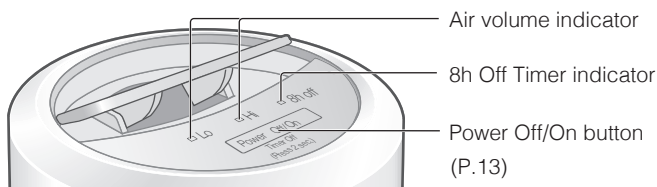


Back

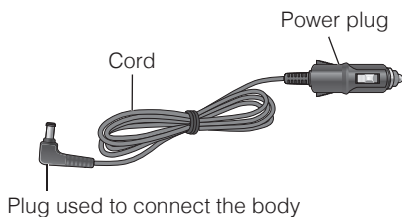


Confirmation

Control panel



Car DC adapter (1 piece)



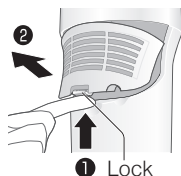
※ Be sure to use the attached car DC adapter. The attached adapters are for this unit only. Do not use it for other units.

Model No. FFJ9140007

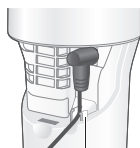
Operating methods

1 Connect the car DC adapter to the body.

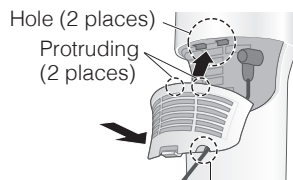
1. Remove the filter.
(Push the lock of the filter upwards and remove the filter.)
2. Connect the plug of the adapter in the plughole of the body.
3. Do not clip the cord when installing the filter.
(Connect the protruding part of the filter in the plughole of the unit, and push the lock of the filter into the plughole until a "click" sound is heard.)



① Lock



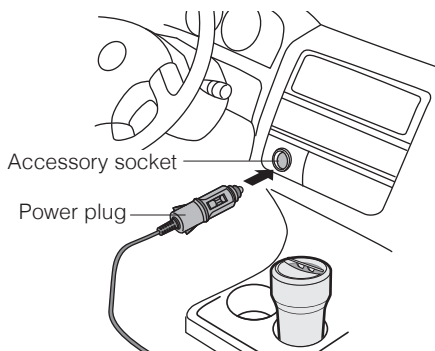
Arrange the cord along the slot.



The cord crosses here.

2 Turn on the adapter

- Connect the power plug in the accessory socket.



WARNING

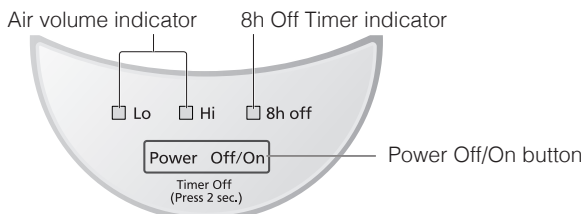
■ Do not use the unit in a vehicle other than 12 V.

This unit is specially used for the normal car which uses a 12 V DC battery. It cannot be used in the vehicle that uses a 24 V DC battery (bus, truck, etc.,). (Otherwise it may cause fire.)

Operating methods

3 Operate

Press the **Power Off/On**



Normal operation

- The mode will be switched on each press.

Lo Hi 8h off

Stop operation

Lo Hi 8h off

"LOW" + 8h Off Timer

Lo Hi 8h off

"HIGH" + 8h Off Timer

When it operates continuously

Power Off/On

Timer Off (Press 2 sec.)
Press and hold for about 2 seconds.

Power Off/On

Timer Off (Press 2 sec.)
Press and hold for about 2 seconds.

Continuous operation

Lo Hi 8h off

"LOW" continuous

Lo Hi 8h off

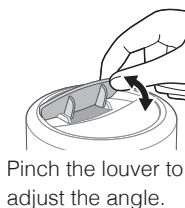
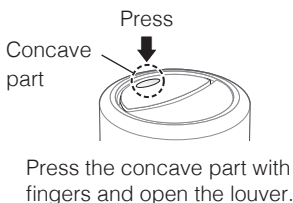
"HIGH" continuous operation

Notice

- In the case of 8h Off Timer, the unit will stop automatically 8 hours later after the Power Off/On button is pressed.
- If the unit stops operating under the 8h Off Timer, it will start under the mode of "LOW" + 8h Off Timer when the Power Off/On button is pressed.

Operating methods

4 Open the louver to adjust the air direction.



Notice

- The louver can change the air direction by two phases (about 30 degrees, and about 60 degrees).

Requirements

- The louver cannot be opened with more than two phases (about 60 degrees). Therefore, please do not apply an excessive force over it. (It may cause damage the unit.)

Memory function

■ During the operation of the unit

- If the engine switch of the car is turned off and thus the unit stops operating, the unit will restart under the same mode as the last time when the engine switch of the car is turned on.
- If the plug is disconnected and thus the unit stops operating, the unit will restart under the same operation mode as the last time when the plug is connected again.

(Timer is reset.)

Notice

- This unit can be operated when the engine switch is contained.

Requirements

- Even if the key of the car is taken out, or the engine switch is turned off, the unit is still operating. In order to prevent the consumption of the battery, please disconnect the power plug.

Care and maintenance

Always before maintenance, be sure to disconnect the power plug and unplug the plug used to connect the body from the body.

In order to maintain the air volume, it is necessary to care and maintain the filter diligently.

The dirtiness of the filter may vary with the usage environment.

Please clean it about once every two weeks, or take care of it when the dust blocks the filter.

- Do not use the detergents shown on the right.
- When using chemically treated cloth, be sure to follow the instructions carefully.



Filter <about once every two weeks>

- ① Remove the filter from the unit.
(The remove method of the filter: P.12)
- ② Wash it with water to wash away the dust.
- ③ Dry the filter naturally after washing.



Firmly adhered dirt

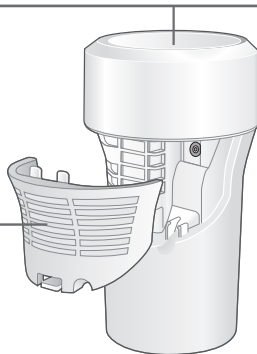
- When the dirt is hard to clean, please use a soft sponge to clean by dripping a little neutral detergent for kitchen purpose on the sponge. After cleaning, please wash away the detergent and place it under the shade to dry it naturally.

Requirements

- The filter is easy to damage. Therefore, please do not press or wipe forcibly while washing. (The inhaled dust enters the inside of the unit from the damaged part and results in errors.)

Body

Please wipe with a wrung soft cloth. Do not wipe it with a hard cloth or too much force. Otherwise, the surface may be damaged.



When idle for a long time

- ① Disconnect the power plug and unplug the plug used to connect the body from the body. (The unit still consumes power even at rest.)
- ② Carry out care and maintenance.
- ③ Cover them with a poly bag, and keep them in a place with little moisture.

Requirements

- Please do not operate the unit in which the filter is removed. (The inhaled dust may enter the inside of the unit and result in errors.)

Further information

Generating environment of nanoe™

Generating environment of nanoe™

- nanoe™ is generated using the air surrounding unit, depending on the temperature and humidity, there can be incidences whereby nanoe™ is not stably generated.
- Conditions for generations
Surrounding temperature: About 5 °C-35 °C
(dew-point temperature: more than 2 °C)
Relative humidity: About 30 % to 85 %

A small amount of ozone is generated

- When nanoe™ is generated, small amount of ozone will be released. However, the quantity will be like the usual level in forest or natural environment, and not harmful to human beings.

About nanoe™ technology

nanoe™

The nanoe™, generated from the most advanced nanotechnology, is a kind of a nano-sized ion particle coated with water particles. nanoe™, which is generated by applying high voltage in order to split water, has a life about 6 times longer than the air ion, and its water content (volume proportion) is above 1,000 times more than the latter. With nanoe™ technology, the effect of sterilization ^{※1}, inhibiting allergic substance (pollen) ^{※2}, inhibiting mold bacteria ^{※3} and deodorization ^{※4} can be achieved. Furthermore, it creates an atmosphere that is conducive for beautiful, hydrated skin.



- ★ The result is of a 4 hours test in closed space of 25 m³, instead of in actual application space.
The deodorizer effect differs according to the surrounding environment (temperature / humidity), operation time, type of odor / fiber.

- Please note that products incorporating nanoe™ technology are not to be used for medical treatment.
- The technology has been found to be effective in suppressing a number and variety of harmful airborne and adhering substances, including viruses bacteria, mould fungi. However, nanoe™ does not create an aseptic environment, nor does it guarantee prevention of infection.
- Data supplied regarding the effectiveness of nanoe™ have been obtained through experiments under special conditions using devices which generate electrostatic atomized water, and have not been tested through commercial products with the devices incorporated in them.
- The actual effects may vary depending upon the specific usage environment, etc.

※1 <Airborne bacteria>

Testing organization: Kitasato Research Center of Environmental Sciences
Test method: Suspend bacteria in the test chamber of 25 m³ and measure the bacteria count in the air.
Inhibiting method: release nanoe™
Target: airborne bacteria
Test outcome: inhibited 99 % and above in 4 hours [Test number 24_0301_1]

※2 <Pollen>

Testing organization: Panasonic Corporation Analysis Center
Test method: Measure allergic substances adhered to a cloth with ELISA method in the test chamber of 23 m³.
Inhibiting method: release nanoe™
Target: adhered allergic substance of pollen
Test outcome: inhibited 88 % and above in 8 hours [BAA33-130402-F01]

※3 Testing trustee: Japan Food Research Laboratories

Test method: Confirm fungi adhered to a cloth in the test chamber of 23 m³.
Inhibiting method: release nanoe™
Target: adhered fungi
Test outcome: Confirm the effect in 8 hours [No. 13044083002-01]

※4 Testing organization: Panasonic Corporation Analysis Center

Test method: Conduct verification by 6-phase odor intensity notation in the test chamber of 23 m³.
Deodorizing method: release nanoe™
Target: adhered cigarette odor
Test outcome: odor intensity drops to 1.2 within 2 hours [BAA33-130125-D01]

Note: nanoe™ and the nanoe™ mark are trademarks of Panasonic Corporation.

Troubleshooting

If a problem is encountered, investigate it by first referring to the table below.
If the problem still persists, please disconnect the power plug and unplug the plug used to connect the body from the body and contact the dealer for repairs.

| Now | Please confirm the following: |
|--|---|
| ① The unit cannot operate. | <ul style="list-style-type: none"> ● Is the adapter connected correctly and firmly? → Please connect it correctly and firmly. (P.12) |
| ② The air volume is small. | <ul style="list-style-type: none"> ● Is the louver closed? → Please open the louver. (P.14) ● Is the filter dirty? → Please carry out care and maintenance. (P.15) |
| ③ An unpleasant odor comes out. | <ul style="list-style-type: none"> ● Are the unit and filter dirty? → Please carry out care and maintenance. (P.15) ● When the nanoe™ is generated, one may feel a small amount of ozone. However, it is not harmful to human beings. (P.16) |
| ④ There is a "jee" sound from the emission outlet. | <ul style="list-style-type: none"> ● There is a slight sound when nanoe™ is taking place. Depending on the usage environment and operation mode, the sound may seem to be loud or inaudible but these are not abnormalities. |
| ⑤ The operation stops. | <ul style="list-style-type: none"> ● Is the power plug disconnected from the accessory socket? → Please connect the power plug in the accessory socket properly and securely. (P.12) ● If the 8h off indicator is on, according to the function of the 8h Off Timer, the unit will stop operating automatically 8 hours later after the Power Off/On button is pressed. → When the Power Off/On button is pressed again, the unit will start under the mode of "LOW" + 8h Off Timer. → To operate continuously, please press the Power Off/On button and hold for about 2 seconds. (P.13) |
| ⑥ The air volume indicator of "Hi" blinks. | <ul style="list-style-type: none"> ● Then nanoe™ is not generating. ·Is the filter (air inlet) dirty? → Please carry out care and maintenance. (P.15) Please disconnect the power plug and unplug the plug used to connect the body from the body. and operate the unit again after care and maintenance. ·If the indicator still blinks after repeating the action, it indicates that an error has occurred to the unit. → Please disconnect the power plug and unplug the plug used to connect the body from the body., and contact the dealer for repairs. |

When you
feel confused

Specification

| | | |
|--|--|--------------------------|
| Model No. | F-GMG01A | |
| Power | DC 12 V | |
| Air volume adjustment | Hi | Lo |
| Power consumption | 3 W | 2.5 W |
| Air volume | 0.08 m ³ /min | 0.04 m ³ /min |
| Operating sound | 34 dB | 20 dB |
| Applicable volume ^(※ 1) (floor area) | About 3.9 m ³ (1.6m ²) | |
| Cord length | Car DC adapter: 1.5 m | |
| Product size | The diameter of the top: 85 mm, the diameter of the base: 66 mm, height: 150 mm (Louver open: 169 mm) | |
| Product mass | About 0.38 kg | |

(※ 1) The applicable volume (floor area) refers to the standard of the range where nanoe™ can reach.

● Made in Japan

Some accessories are made in a country except the above.

使用说明书

车载纳米水离子发生器

型号: **F-GMG01C**

本产品车内专用

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确认与准备

使用方法

维护保养

其他信息

另附保修证

感谢阁下选购 Panasonic 产品。

- 请仔细阅读本使用说明书，以便能做到正确使用。
- 特别是在使用前，请谨记先阅读“安全注意事项”的章节（第 20 至 22 页），以确保安全使用。
- 在阅读使用说明书后，请连同保修证妥善保管，以留作日后参考之用。

安全注意事项

请务必遵守

为了避免对您自己或其他人造成可能的伤害或财物损害，请务必注意以下安全注意事项。

■无视或错误理解这些标志，会产生下列两种情况。



警告

本标志所表示的内容为“可能造成人员重伤或死亡”。



注意

本标志所表示的内容为“可能造成人身伤害或其他物品损害”。

■务必遵守的内容分类，用标志区分说明如下：



此标志表示为禁止事项。



此标志表示为强制事项。



警告



■移动或存放时切勿拉扯电源线。

(否则可能导致短路或电线内部损坏、发生火灾或触电事故。)

■拔出车载电源线时切勿拉扯电源线。

(否则可能导致短路或电线内部损坏、发生火灾或触电事故。)

■切勿用湿手接触车载电源线。

(否则可能会导致触电。)

■切勿损坏车载电源线。

·切勿割划、改装、过度扭曲、拉扯、扭转和拧绞车载电源线。切勿在车载电源线上放置重物或挤压。

(可能会导致触电或火灾事故。)要修理车载电源线时，请与指定的维修店联系。

■禁止将手指或金属物放入进风口、出风口等缝隙处。

(接触产品内部可能造成触电或受伤。)



■当有以下任何情况出现时，请立即请务拔下车载电源线。

·内部混入金属、水等液体、异物的时候
·出现烟或异臭、杂音、或跌落、破损的时候（会导致火灾）



■不要在电压 12V 以外的汽车里使用。

本产品为 DC12V 车辆专用，请勿用于大型卡车或公交车等 DC24V 车辆。
(否则会导致火灾。)

■在驾驶的时候请不要操作本产品。

(可能会干扰驾驶、造成意外交通事故。)







■请不要设置在妨碍视线、妨碍驾驶、以及会给乘员带来危险的位置。

(会导致交通事故或受伤)

安全注意事项

请务必遵守

确认与准备

-  ■ 不要让饮用水、烟灰和易燃物品通过进风口和出风口进入机器内部。
(会导致火灾、触电或故障)
-  ■ 请将插头完全插入点烟器插头。
(如果插头没有完全插牢,可能会因为过热导致触电,甚至引起火灾事故。)
 - 切勿使用已损坏的车载电源线或松动的点烟器插口。
- 请务必使用附带的车载电源线。
(否则容易导致触电或火灾)
- 在对电器进行维护保养之前,务必确保断开电源。
(否则产品可能会突然启动,从而导致触电或受伤。)
- 请您定期清洁点烟器插头。
(如果点烟器插头上有灰尘、湿气可能会破坏插头的绝缘部分、从而导致火灾事故。)
 - 拔下车载电源线、用干布擦净。
 - 电器如果长期不使用、应拔下车载电源线。
-  ■ 切勿擅自拆开或改装本产品。
(擅自拆开或改装电器可能会导致故障或火灾事故。)
请与指定的维修店联系、以便安排修理。
-  ■ 切勿弄湿机身。
(否则可能会导致因短路而发生火灾和触电事故。)
-  ■ 车载电源线的电源线不要影响到驾驶者。
 - 请勿接触或夹到方向盘、刹车踏板、座椅横档、变速杆等可移动部件。
 - 请考虑座位的前后移动、转动或者倾斜之后再行配线。
(会导致交通事故)
- 在连接电源线后,请确认车内电子组件的移动。
(会因移动不良而导致火灾、触电或交通事故)
※ 刹车、灯、喇叭、警示灯、方向指示灯等
- 长时间不使用时、请务必拔下车载电源线的点烟器插头从点烟器插口。
(会导致绝缘老化、发生触电、漏电火灾事故。)
-  ■ 切勿接触车载电源线的点烟器插头的金属部件。
(会导致烫伤)
※ 运转停止后、由于点烟器的金属部件的温度很高、可能会有烫伤的危险。



■ 请勿长时间直接接触通电中的点烟器插头。

(会导致低温烫伤)

※关于低温烫伤：即使是温度稍高的物体，如果与皮肤的同一部位长时间直接接触，也有可能導致低温烫伤。

■ 搬运的过程中请勿跌落或冲撞。

(会导致受伤)

■ 切勿手持导风板搬运或移动机器。

(会导致受伤)

■ 切勿使用酒精或稀释剂等溶剂清洁产品，同时也要避免接触喷雾杀虫剂。

(产品可能会破裂而造成损伤，甚至发生短路，以致造成触电或火灾事故。)

■ 切勿让挥发性物质或可燃物品，如香烟或熏香等飘入机内。

(否则可能会发生火灾事故。)



■ 切勿放置于此类场所：

● 切勿放置于市面售卖的杯座、摇摆的台面上或倾斜的场所等不稳定的场所。

(否则产品可能会翻倒、从而导致受伤。)

● 切勿放置在可能使机器飞出或跌落的杯座。

(会导致受伤)

● 切勿放置于会使电线极度弯曲或压迫的杯座。

(会导致电线损坏、触电或火灾。)

● 高温、高湿或会弄湿机器的场所。

(产品可能会漏电而造成触电或火灾事故。)

● 排放油烟的场所。

(产品可能会破裂而造成损伤。)

● 使用油或者可燃性气体，并可能出现泄漏的场所。

(可能因起火及机器吸入而导致起火或冒烟。)

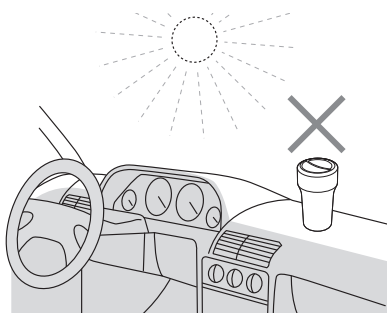
■ 请勿坐、靠本设备。

(否则有可能导致人受伤等。)

使用要求

■切勿放置于以下场所：

- 阳光直射的场所。
(可能会造成变形、变质、变色和发生故障。)
- 汽车的电子钥匙附近
(会干涉机器的电波，导致不能识别电子钥匙，或者发出报警声音和点亮警告灯。)
→请保持 30 厘米以上的距离。
- 请远离汽车的玻璃天线，可能会将噪音混入收音机信号。



■长时间使用时。

进风口和出风口周围特别容易弄脏，因此需要定期进行保养。(P.28)

■不要长时间放置在车内。

(会导致变色、变形或故障)

- 此机不适合伤残人士，知觉残障人士，智力障碍人士或儿童自行操作。如有安全负责人在场监督及提供指导下协助操作此机，则属例外。
- 请勿让儿童擅自操作本产品。
- 请务必使用附带的车载电源线。
- 必需使用按本机标识的安全特低电压为本机供电。

各部分名称

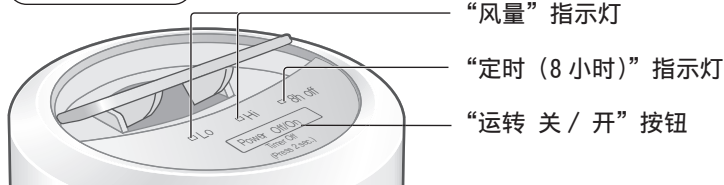
正面



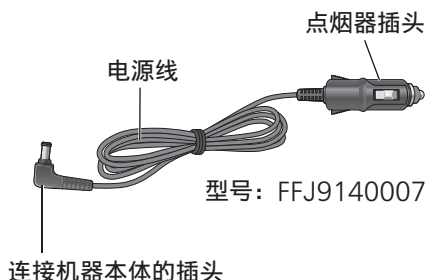
背面



操作面板



车载电源线

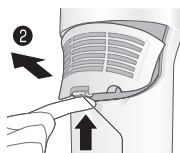


※请务必使用附带的车载电源线。附带的车载电源线只适用于本机，请勿用于其他机器。

使用方法

1 车载电源线连接到机器。

- ① 拆下过滤网。
(向上抬起过滤挂钩, 拆下过滤网。)
- ② 连接本体用插头
插入机器连接插头的插孔。
- ③ 安装过滤网的时候不要夹到电线。
(将过滤网的凸起部分插入机器的插孔, 然后向下按过滤网, 直到发出“卡嚓”的响声。)



① 过滤挂钩



将电线沿着沟槽布线



将电线从这里穿过

2 接通电源。

- 如果是车载电源线, 请将点烟器插头插入点烟器插口。



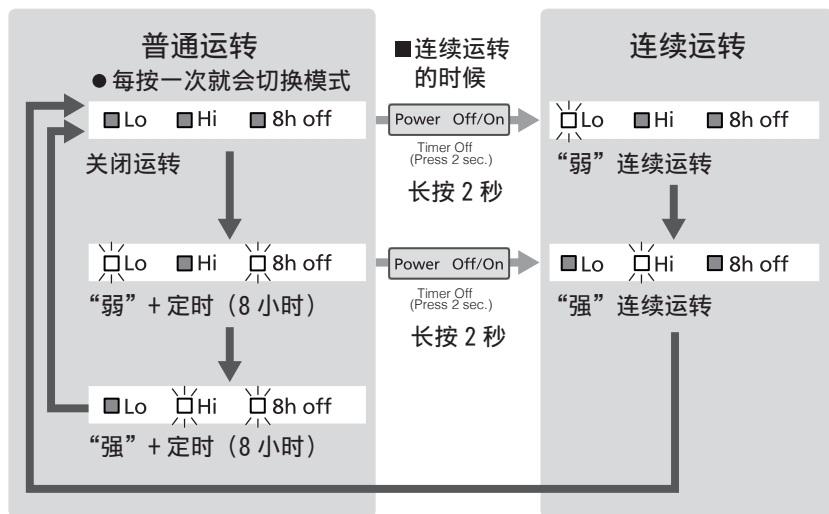
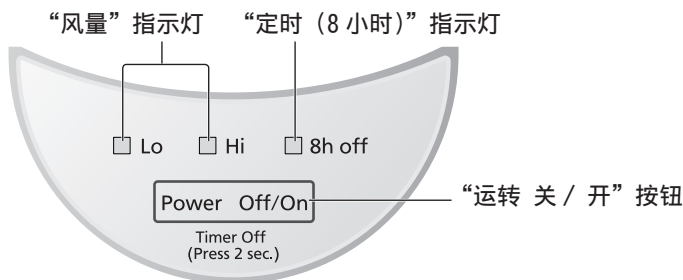
警告

■ 不要在电压 12V 以外的汽车里使用。

本产品为 DC12V 车辆专用, 请勿用于大型卡车或公交车等 DC24V 车辆。
(否则会导致火灾。)

使用方法

3 运转 按 Power Off/On 按钮

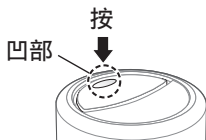


重要事项

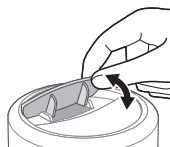
- 如果采用定时（8 小时），机器会在按下“Power Off/On”按钮起 8 小时后自动停止运转。
- 如果机器按定时（8 小时）模式停止运转，当按下“Power Off/On”按钮时，机器会按“弱”+定时（8 小时）模式启动。

使用方法

4 打开导风板调整风向。



用手指按住凹部，打开导风板。



捏住导风板调整角度。

重要事项

- 导风板可以按两个级别（约 30 度、约 60 度）的角度改变风向。

要求

- 导风板不能按两个级别（约 60 度）以外的角度打开，因此请勿过度用力。（会导致受伤或破损）

存储机能

- 如果关闭汽车的发动机开关而导致机器停止运转，再次开启汽车的发动机开关时，机器会以与上次停止运转时相同的模式再次启动。
- 如果在机器运转过程中拔下车载电源线而导致运转停止，再次插上车载电源线后，机器会按与上次相同的运转模式再次启动。（重设定时。）

重要事项

- 本产品只有在接入发动机开关的情况下才可以运转。

要求

- 即使在汽车钥匙拔出或发动机开关关闭的状态下，机器仍然保持运转，为了防止电池的消耗，请拔下点烟器插头。

维护保养

维护保养前注意事项

■ 请务必拔下车载电源线的点烟器插头从点烟器插口、以及连接机器本体的插头从机器本体。

为了维持 nanoe™ 的效果，必须对过滤网勤加保养。

根据使用环境的不同，过滤网的脏污程度有所差异，请大约每两周清洗一次，或者当过滤网的灰尘造成堵塞时，对过滤网进行保养。

- 请勿使用右方所示洗涤剂。
- 使用化学性抹布时，请按照其使用注意事项进行使用。



过滤网（约两周 1 次）

- ① 将过滤网从机器上拆下（过滤网的拆卸方法→P.25）。
- ② 通过水洗将灰尘洗掉。
- ③ 清洗后将过滤网自然晾干。



顽固污垢

- 污垢难以清除的时候，请用柔软的海绵滴上少量厕用中性洗涤剂清洗。然后将洗涤剂冲净，并放在阴凉处下自然晾干。

要求

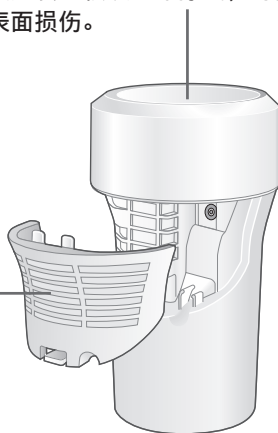
- 过滤网容易损坏，因此在清洗的时候请不要大力按压或者擦拭。（吸入的灰尘从损坏的部位进入机器内部，造成故障。）

要求

- 请不要在过滤网拆下的状态下运转。（吸入的灰尘进入机器内部会导致故障）

机器

使用拧干的软布擦拭外表面和导风板。使用质地较硬的布擦拭，可能会造成表面损伤。



长期闭置时

- ① 拔下车载电源线的点烟器插头从点烟器插口、以及连接机器本体的插头从机器本体（因为停止运转时也耗电）。
- ② 保养
- ③ 用塑料袋包好，存放在湿气低的场所。

更多信息

关于 nanoe™

产生的环境条件

- nanoe™ 利用周围空气生成，根据温度和湿度的不同，有时可能无法稳定生成。
- 生成条件
车内温度：约 5℃ ~ 35℃ (露点温度：2℃ 以上)
相对湿度：约 30% ~ 约 85%

发生少量臭氧

- 发生 nanoe™ 的同时，也会产生微量臭氧。但其发生量远不及自然森林存在的臭氧量，对人体没有什么影响。

nanoe™ 给您带来湿润、洁净的空气。

■ 搭载 nanoe™ 技术

■ 关于 nanoe™

- 所谓 nanoe™，是通过施加高电压来分离水分子而产生的带电净水粒子。



- nanoe™ 特点：水分含量多，小颗粒，稳定性。
 1. 水分含量多（水分含量为一般负离子的含水量的 1000 倍）
 2. 小颗粒（颗粒大小为水分子的 10 亿分之一）
 3. 稳定性（与一般负离子相比，稳定性高达 6 倍，覆盖距离高达 10 米以上）
 4. OH 离子量多（OH 离子大量产生，数量是 4800 亿 / 秒）
 5. 弱酸性（具有与发质和皮肤接近的弱酸性的特性）
- 搭载 nanoe™ 的商品并非医疗设备。

注：nanoe™ 和 nanoe™ Panasonic Corporation 商标。

故障排除

首先请确认以下内容，执行此操作后仍无法修复时，请务必拔下车载电源线的点烟器插头从点烟器插口，以及连接机器本体的插头从机器本体。

联系维修店进行维修。

| 此时 | 请确认以下内容 |
|---------------|---|
| ①无法运转 | <ul style="list-style-type: none">●是否已正确稳固地连接车载电源线？ →将车载电源线接地。(P.25) |
| ②风量过弱 | <ul style="list-style-type: none">●导风板是否关上？ →请打开导风板。(P.27)●过滤网是否有污垢？ →请进行保养。(P.28) |
| ③发出异味 | <ul style="list-style-type: none">●机器和过滤网是否有污垢？ →请进行保养。(P.28)●产生 nanoe™ 时，可能会感觉到微量的臭氧气味，这不会影响人体健康。(P.29) |
| ④出风口发出“嘀”的声音 | <ul style="list-style-type: none">●生成 nanoe™ 时，会发出细微的此类声音。根据使用环境、运转模式的不同，声音的大小会有所不同，这并非异常现象。 |
| ⑤运转停止 | <ul style="list-style-type: none">●点烟器插头是否没有连接好？ →请正确连接点烟器插头与点烟器插口。(P.25)●如果“8h off”指示灯亮起，根据定时功能，在按下“Power Off/On”按钮8小时后，机器会自动停止运转。 →再次按下“Power Off/On”按钮，将按“弱”+“定时(8小时)”模式启动。 →如需连续运转，请按住“Power Off/On”按钮约两秒。(P.26) |
| ⑥“Hi”的风量指示灯闪烁 | <ul style="list-style-type: none">●未生成 nanoe™。●过滤网（进风口）是否有污垢？ →请进行保养。(P.28) 请务必拔下车载电源线的点烟器插头从点烟器插口，以及连接机器本体的插头从机器本体。 在保养后再次运转。●如果在重复该操作后，指示灯依然闪烁，表示机器发生故障。 →请务必拔下车载电源线的点烟器插头从点烟器插口，以及连接机器本体的插头从机器本体。 联系购买机器的商店进行维修。 |

规格

| | | |
|------------------|---|--------------------------|
| 型号 | F-GMG01A | |
| 额定电压 | DC 12V | |
| 风量调节 | 强 | 弱 |
| 消耗功率 | 3 W | 2.5 W |
| 风量 | 0.08 m ³ /min | 0.04 m ³ /min |
| 噪音 | 34 dB | 20 dB |
| 适用面积※1 (体积) | 约 3.9 m ³ (1.6 m ²) | |
| 电源线长度 | (车载电源线)1.5 m | |
| 产品尺寸 | 顶部直径 85 mm, 底部直径 66 mm, 高度 150 mm (+ 导风板 19 mm) | |
| 产品重量 | 约 0.38 公斤 | |

(※1) 适用面积 / 体积是指“nanoe™”所接触范围的标准。

出现下列情况时，请联系指定的维修店：

主机有故障。

请拔掉电源适配器插头，联系指定的维修店进行维修。

原产地：日本

一部分附属品使用日本以外的原产地的产品

Panasonic Corporation

Web Site : <http://panasonic.net/>

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