

# SHARP®



High-Density 25000<sup>\*1</sup>

"Plasmacluster" and "Device of a cluster of grapes" are trademarks of Sharp Corporation.

## IG-GC2A



Read and store this manual carefully.

請仔細閱讀並妥善保存這本說明書。

### Plasmacluster Ion Generator OPERATION MANUAL

HD PCI 抗菌機  
使用說明書

ENGLISH

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\*1 The number on this technical mark indicates the number of ion per 1cm<sup>3</sup> blown out to the air, which is measured near the center of space (0.5m height from floor) when the air volume is "MED" by placing the unit in an appropriate place such as a cup holder beside the driver's seat.

\*1 本技術標示的數字是指本機吹出每1cm<sup>3</sup>中所含離子的數量。該數值是在房間中央位置（離地0.5米），而機器擺放在合適地方，例如車廂中的杯座，運行中風速時所量度出來的。

# ENGLISH

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- While IG-GC2A can remove suspended viruses and other contaminants, it cannot create a completely sterile environment. SHARP does not guarantee its ability to prevent microbial infection.
- To enable stable emission of high-density Plasmacluster ions, the Plasmacluster Ion Generating Unit mounted in IG-GC2A will need to be replaced periodically\*.
- The unit is designed for ordinary passenger cars with DC 12V batteries. It cannot be used in vehicles with DC 24V batteries (buses, trucks, etc.).

\* Replacement is required approximately every 6 years (17,500 hours) when operated 8 hours a day. IG-GC2A will stop operating after about 6 years and 6 months (19,000 hours) if the Plasmacluster Ion Generating Unit is not replaced.

Thank you for purchasing this SHARP Plasmacluster Ion Generator. Please read this manual carefully before using Plasmacluster Ion Generator. After reading, keep the manual in a convenient location for future reference.

# IMPORTANT SAFETY INSTRUCTIONS

Please read these instructions carefully before using this unit.

When using electrical appliances, basic safety precautions should be followed, including the following:

**WARNING** - To reduce the risk of electric shock, fire or injury :

- Do not operate switches while driving. (Doing so could lead to accidents.)
- Do not install the unit in places where it could hamper visibility to the front, driving operations, or in places where it could be dangerous to passengers. (Doing so could lead to accidents or injury.)
- Do not put in places exposed to direct sunlight. (Doing so could cause warping or malfunction.)
- This unit is designed exclusively for use in vehicles with 12V batteries. Do not use it in other vehicles. Do not use the unit in large trucks, buses or other vehicles with 24V batteries. (Doing so could lead to fire or electric shock.)
- Do not damage or modify the cord. Also, do not use the cord if it is damaged. (The damaged section could cause short-circuiting and the cord could melt, leading to fire.) If the cord is damaged, contact your store of purchase or SHARP authorized service center.
- Do not pull on the cord when unplugging the car adapter or the Micro USB plug. (Doing so could damage the cord, leading to fire or electric shock.)
- Do not plug in or unplug the car adapter or the Micro USB plug with wet hands. (Doing so could cause electric shock.)
- When transporting, be careful not to drop the unit or subject it to shocks. (Doing so could cause injury or damage.)  
If the unit should drop or be damaged, contact your store of purchase or SHARP authorized service center.  
Continued usage of damaged unit could lead to fire or electric shock.
- Do not modify the unit. Also, no one other than an authorized repairman should take apart or repair the unit. (Doing so could lead to fire, electric shock or injury.) Contact your store of purchase or SHARP authorized service center for repairs.
- Do not spill beverages or drop cigarette ashes, metal objects, easily burnable objects, etc., into the unit through the air outlet or air intake. Be particularly careful if there are small children in your family. If water or foreign substances should get inside the unit, unplug the car adapter from the accessory socket. (Continued usage could lead to fire or electric shock.) Contact your store of purchase or SHARP authorized service center.
- Do not wipe the unit with oils, alcohol, benzene or thinners, or spray hairspray or insecticides on the unit. If such substances should get on the unit, wipe them off immediately. (Such substances could lead to cracking or electric shock or could catch fire.)

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- Do not place the unit in a place where it is exposed to oil smoke or moisture such as kitchen counter or humidifying device. (Doing so could lead to electric shock.)
- Do not place the unit near heating equipment such as the outlet of hot-air type heater. (Doing so could cause warping or malfunction.)
- Use the car adapter designed exclusively for this unit, and insert the car adapter securely all the way in until it stops. (If the car adapter is not inserted securely until it stops, it could heat up, deforming the accessory socket, and this could lead to fire.)
- Be sure to unplug the car adapter from the accessory socket when cleaning. (Failure to do so could cause electric shock or injury.)
- Be sure to unplug the car adapter from the accessory socket when not in use for long periods of time. (Failure to do so could lead to electric shock or fire caused by short-circuiting.)
- If the accessory socket is integrated into the ashtray, be sure that cigarettes are completely extinguished before using the unit.
- When leaving the vehicle, unplug the car adapter and close the ashtray's lid. (Failure to do so could lead to fire caused by the smoldering cigarettes.)
- This appliance 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 appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

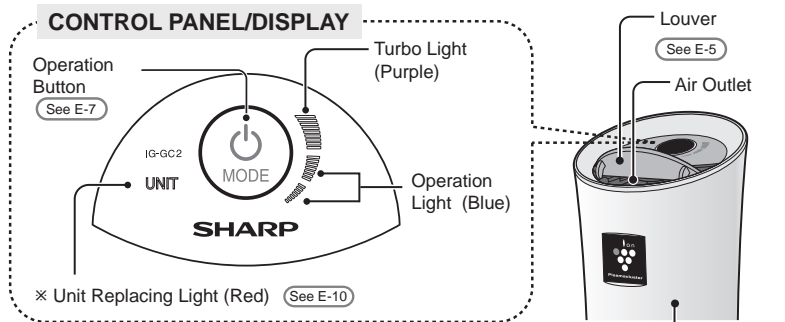
#### **CAUTIONS CONCERNING OPERATION :**

- Do not touch the metal parts of the car adapter (or of the accessory socket). (The metal parts of the car adapter could be hot directly after the car is stopped, and could cause burns if touched.)
- Do not use the unit in external cup holders, on shaky or non-level surfaces or in other unstable places. (The unit could fall, resulting in injury or damage.)
- Move the unit out of the car when using room fumigating type insecticides or deodorizers. If not, the chemicals could get inside the unit and later be ejected from the air outlet, possibly harming your health.
- If the unit risks falling out of the cup holder (when driving on rough roads, over bumps, etc.), either slow down or remove the unit from the cup holder beforehand. (Failure to do so could cause injury or damage to the unit.)
- Do not use items of silicone-based products\* near the unit.  
The fluororesin or silicone could get stuck inside the unit, preventing it from producing Plasmacluster ions.  
If this happens, remove the dust from the electrode section of the Plasmacluster Ion Generating Unit. (See E-9)

\*Hair care products (split end coatings, hair mousses, hair treatments, etc.), cosmetics, antiperspirants, antistatic agents, waterproofing sprays, polishes, glass cleaners, chemical-impregnated clothes, wax, etc.

# PARTS NAME

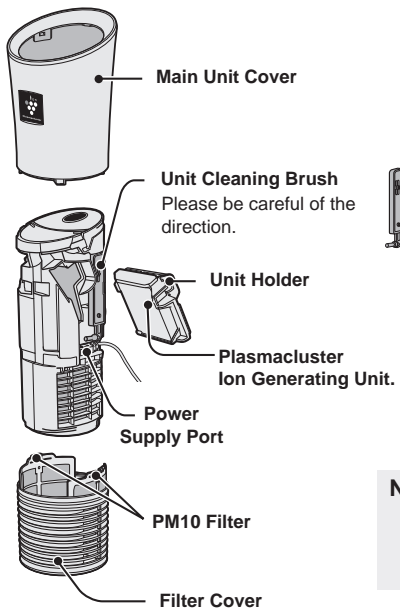
## MAIN UNIT • CONTROL PANEL/DISPLAY



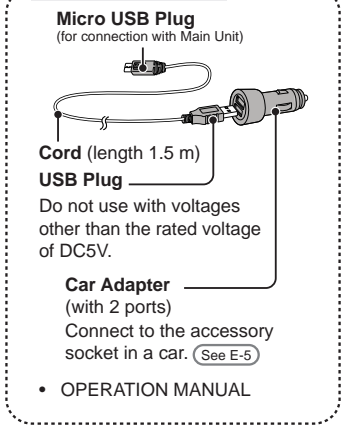
× If the Plasmacluster Ion Generating Unit replacement time comes, Unit Replacing Light flashes.

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### Main Unit



### ACCESSORIES



**Note**

- Please use the official car adapter and power cord. (Failure to do so could lead to fire/electric shock/failure)

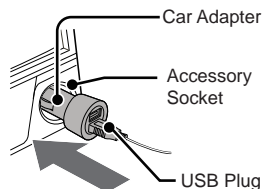
# INSTALLATION GUIDANCE

## Connecting the car adapter and installing the unit

Insert the car adapter into the accessory socket and connect the USB plug to the car adapter.

### Note

- Be sure to remove any dirt from the accessory socket. Failure to do so could cause faulty contact or fire.



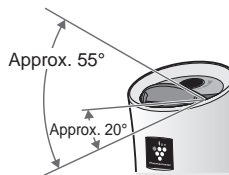
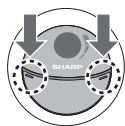
1

- The car adapter has 2 USB ports, one of which for the Plasmacluster Ion Generator (IG-GC2A) uses and another one for connecting equipment of 1.5A or lower.
- The car adapter (accessory) is for the Plasmacluster Ion Generator "IG-GC2A".

It is possible to connect another equipment of 1.5A or lower while the Plasmacluster Ion Generator is connected. However, in this case, the normal operation of the additional equipment is not guaranteed.

- The car adapter and/or connecting section could be hot while in use and/or right after use.

Adjust the angle of louver and put the unit in the cup holder.



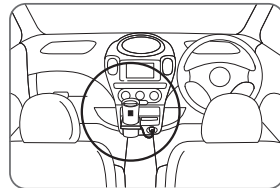
2

### Cautions on wiring the car adapter

- Do not let the cord touch or get caught in the seat rails, shift lever or other moving parts.
- Wire in such a way that the cord does not get in the way of the driver.
- Consider the movement of the seats (forward/backward, swiveling or reclining) when wiring.
- Do not bend the cord extremely or compress it.

### Cautions on installation

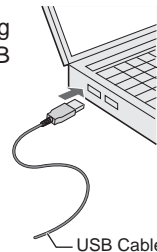
- Separate the main unit from electronic key of vehicle by 30cm or more. Otherwise, it may interfere with electronic wave of main unit and the electronic key may not be recognized.



Separate the main unit from electronic key of vehicle by 30cm or more.

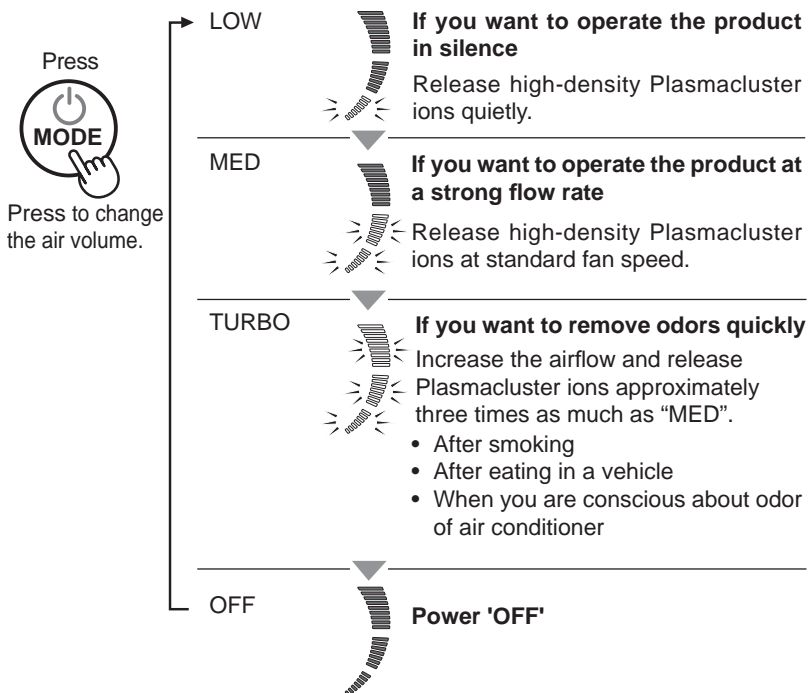
- Be sure to place in a stable location. (Do not put in a external cup holder or other unstable place.)
- Do not obstruct the air inlet or outlet.
- Keep the unit away from the vehicle's in-glass antenna. Failure to do so could cause interference on the radio.
- If there should be interference on a TV or radio located in the same car, or if an atomic clock in the car should not display the time properly, move the unit away from the TV, radio, atomic clock, etc.
- If the unit is installed directly in front of the car climate control's outlets, the unit could get hot when the climate control is operating in the heating mode.
- The unit could get scratched by the vibrations of the vehicle, etc.
- Dimension of accessory socket varies among various vehicles. The unit may not be suitable for cars with incompatible accessory socket.

You can use the product by inserting the included USB cable into USB connector of PC, etc.



# OPERATION

## To select the preferred mode



## Engine Interlocking Function

If the vehicle's engine is turned off and the vehicle is stopped while the unit is operating, the unit resumes operating in the same mode when the vehicle's engine is started back up.

- If the main unit continues to operate even if the key of the vehicle is pulled out or the engine switch is turned OFF, pull out the car adapter to prevent having a dead battery.

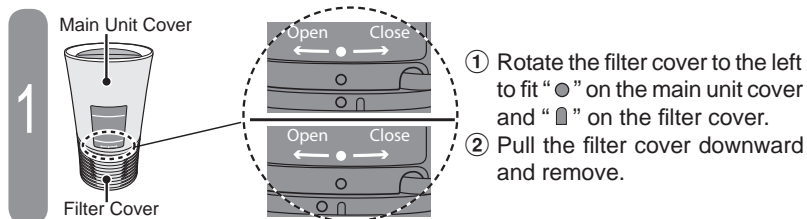


# CLEANING AND MAINTENANCE

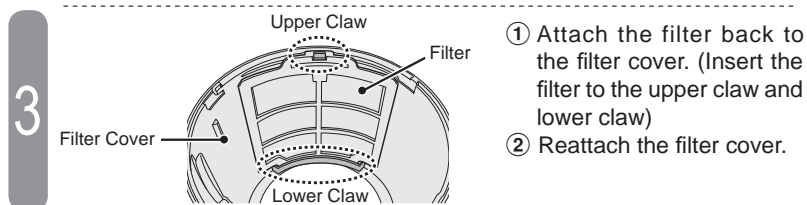
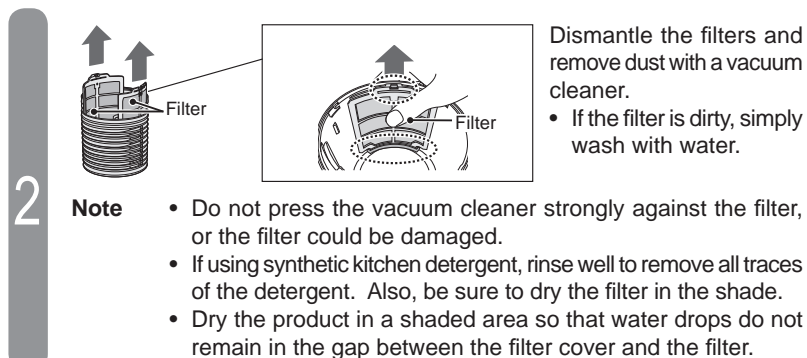
## FILTER

Frequently as necessary

The filter must be cleaned regularly in order to maintain the ion density. Filter soiling depends on the usage environment, so clean the filter frequently as necessary. With frequent cleaning, Plasmacluster ions can be released efficiently.



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## MAIN UNIT

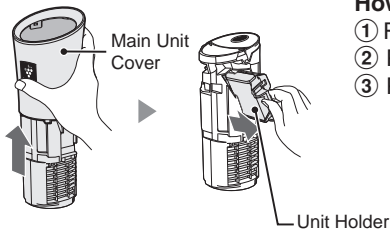
Every month or more often if necessary

Wipe with a dry soft cloth. <For Stubborn Dirt>  
Use water and a mild detergent. And then, wipe with a wet cloth. Make sure to dry out the main unit.

## Plasmacluster Ion Generating Unit (Electrode section)

Every 6 months or more often if necessary

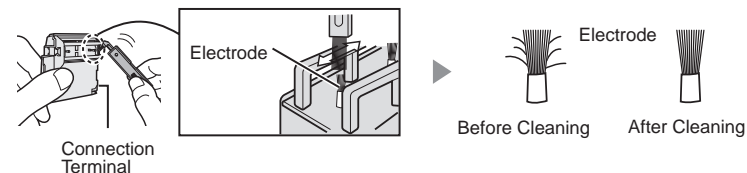
1



### How to remove the unit holder

- ① Remove the filter cover. (see E-8)
- ② Pull up the main unit cover.
- ③ Pull out the unit holder.

2



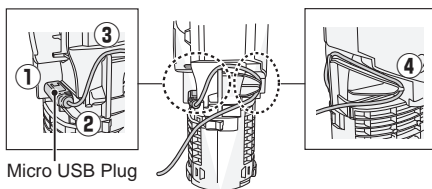
Remove dusts from the electrodes by the unit cleaning brush (see E-4).

3

Reattach the unit holder, unit cleaning brush, main unit cover and filter cover.

### Please wire the power cord correctly.

Incorrect wiring could lead to damage to the power cord and may cause fire/electric shock.



Insert the Micro USB Plug for connection with main unit to the power supply port ①. Put the power cord on ② and ③. Insert the power cord into the claw of ④.

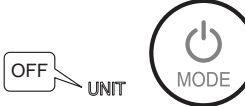
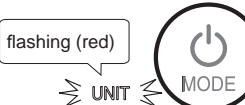

When attaching the main unit cover, put the power cord through the hole on the main unit cover.

- Do not clean with anything other than the unit cleaning brush. (Doing so could lead to failures in the unit)
- A bent electrode could be cut off and dropped during the cleaning process, but it will not change the performance.
- Do not touch the electrode directly. (Doing so could lead to pain/itching)
- Do not deform the electrodes. (Doing so could lead to failures in the unit)
- Do not touch the connection terminal. (Doing so could lead to failures in the unit)

# PLASMACLUSTER ION GENERATING UNIT REPLACEMENT

If the total operating time passes approximately 17,500 hours (approx. 6 years if the product is operated 8 hours a day), the Unit Replacing Light flashes to notify you of the replacement time of the unit.

\* The unit replacement period is the same regardless of the operation mode.

Elapsed Time	Display	Message
Beginning to use		
Approx. 17,500 hours (approx. 6 years when operated 8 hours a day)		Replace the Plasmacluster Ion Generating Unit
Approx. 19,000 hours (approx. 6 years and 6 months when operated 8 hours a day)		Stop working

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## Replacement of Plasmacluster Ion Generating Unit

Plasmacluster Ion Generating Unit

Model Number:  
IZ-PF10XP-HK



<For Disposal>

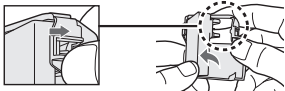
Please dispose of the used Plasmacluster Ion Generating Unit according to any local laws and regulations.

-Materials-

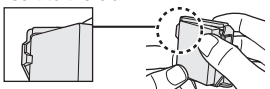
- Polybutylene Terephthalate, Electronic parts

## How to replace the Plasmacluster Ion Generating Unit

- 1** Remove the claw



Take out the unit holder. (see E-9)  
Remove the claw of unit holder and remove the Plasmacluster Ion Generating Unit.  
**Please do not dispose of the unit holder.**
- 2** Insert to the claw.


  - ① Attach a new Plasmacluster Ion Generating Unit to the unit holder.
  - ② Reattach the unit holder to the main unit.
  - ③ Reattach the main unit cover and filter cover.
- 3** Insert the car adapter in the accessory socket and check the unit replacement light is turned OFF.

**Note**

- After replacement, you may hear the sound “Zi, Zi ...” (sound generated by Plasmacluster Ion) become louder, however, it is simply because the Plasmacluster Ion Generating Unit has been replaced with a new one. It is not a failure.

## SPECIFICATIONS

Model	IG-GC2A		
Power Supply	Car Adapter		
Rated input	DC12V		
Rated output	DC5V(Max.2A for 2 ports)		
Operation mode	LOW	MED	TURBO
Power consumption	0.5W	0.7W	1.8W
Ion density	Approx. 7,000 ions/cm <sup>3</sup>	Approx. 25,000 ions/cm <sup>3</sup>	Approx. 75,000 ions/cm <sup>3</sup>
Operating noise level	19dB	23dB	36dB
Outer dimensions	Upper diameter: 74mm / Lower diameter 65mm / Height: 162mm (Excluding accessories)		
Weight	Approx. 265g (Excluding accessories)		
Capacity applicable for high-density Plasmacluster 25000 <sup>※1</sup>	Approx.3.6m <sup>3</sup> <sup>※2</sup>		

Design and specifications are subject to change without prior notice.

※1 It is the index of capacity that approximately 25,000 ions blown out to the air can be measured at the point near the center of the space (0.5m height from floor) when the air volume is "MED" by placing the unit at the place supposing a cup holder beside the driver's seat.

※2 Space corresponding to a cabin measuring 1.5 (width) x 2.4 (depth) x 1.0 (height) meters.

# TROUBLESHOOTING

Problem	WHAT TO DO
The Plasmacluster Ion Generator does not work.	<ul style="list-style-type: none"> <li>Is the Car Adapter connected properly? Ensure it is connected correctly. (See E-5)</li> </ul>
The operation does not stop although the engine of vehicle is switched OFF.	<ul style="list-style-type: none"> <li>If the main unit is operating even though the key of the vehicle is pulled out or the engine switch is turned OFF, pull out the car adapter to prevent having a dead battery. (See E-7)</li> </ul>
The product does not operate in conjunction with engine.	<ul style="list-style-type: none"> <li>In a vehicle where the power is supplied to the accessory socket even if the engine of vehicle is switched OFF, the engine interlocking function cannot be used.</li> </ul>
The Unit Replacing Light flashes rapidly and the operation is stopped.	<ul style="list-style-type: none"> <li>The main unit is past its usage period. Replace it with a new Plasmacluster Ion Generating Unit. (See E-11)</li> <li>If the unit replacement period is exceeded, the Unit Replacing Light (red) flashes rapidly and the operation is stopped.</li> </ul>
The Operation Lights "LOW" and "MED" (blue) and "TURBO" (purple) flash at the same time and the operation is stopped.	<ul style="list-style-type: none"> <li>The Plasmacluster Ions are not generated. Perform maintenance of the electrode section. (See E-9)</li> <li>If the lights flash repeatedly, contact the store of purchase or SHARP authorized service center.</li> <li>Is the Plasmacluster Ion Generating Unit installed correctly? Pull out the unit and insert it again and then press the operation button. (See E-11)</li> </ul>
A discontinuous noise is heard. A clicking or ticking sound comes from the unit.	<ul style="list-style-type: none"> <li>Clicking or ticking sound may be audible when the unit is generating ions. You may feel the sound becomes louder or softer depending on use environment or operation mode, however, the effect of Plasmacluster Ion is not changed.</li> <li>Dust may block the filter. Clean the filter. (See E-8)</li> </ul>
The operation Lights in blue or purple flash then the unit stops operating.	<ul style="list-style-type: none"> <li>Please remove the car adapter and re-insert it, then press the operation button again.</li> <li>If this happens repeatedly, contact the store of purchase or SHARP authorized service center.</li> </ul>
Other indications	<ul style="list-style-type: none"> <li>Failure Unplug and contact the store of purchase or SHARP authorized service center.</li> </ul>

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中文

- IG-GC2A能夠去除懸浮的病毒以及其他污染物，但不能營造一個完全無菌的環境。SHARP對該產品防止微生物感染的能力不提供保證。
- 為確保穩定釋放高濃度的PCI離子，需要定期更換安裝在IG-GC2A中的HD離子產生器\*。
- 此裝置專為採用 12V 電池的汽車而設計，不可用於採用 24V 電池的車輛（公共汽車、貨車等）。
- 在每天8小時持續運行的情況下，大約每6年（17,500小時）左右需要更換一次。如果不更換HD離子產生器，IG-GC2A 將在運行大約6年6個月（19,000小時）後停止運行。

感謝您購買SHARP生產的HD PCI抗菌機。在使用HD PCI抗菌機前，請仔細閱讀本說明書。在閱讀本說明書後，請將本說明書保存妥當以便日後查閱。

## 重要安全事項

在使用本裝置前，請仔細閱讀這些安全事項。

當使用電器時，必須遵守基本安全預防措施，包括以下內容：

警告 - 用於減少觸電、火災或受傷等危險：

- 駕駛過程中請勿操作開關。（否則可能會導致意外事故。）
- 請勿將裝置安裝在妨礙前方視野、駕駛操作的位置或對乘客造成危險的位置。（否則可能會導致意外事故或受傷。）
- 請勿放在陽光直射的位置。（否則可能會導致變形或故障。）
- 本裝置專設計用於採用 12V 電池的車輛。請勿將其用於其他車輛。請勿在大型貨車、公共汽車或採用 24V 電池的其他車輛中使用本裝置。（否則可能會導致著火或觸電。）
- 請勿損壞或改裝電源線。也不得使用損壞了的電源線。（受損部分可能會導致短路，電源線可能會熔化，從而引起著火。）如果電源線損壞，請聯絡購買商店或SHARP授權的服務中心。
- 拔出汽車插頭或微型USB插頭時，切勿拉扯電源線。（否則可能會損壞電源線，導致著火或觸電。）
- 切勿用濕手拔插汽車插頭或微型USB插頭。（否則可能會導致觸電。）
- 駕駛時，切勿摔落或撞擊本裝置。（否則可能會導致受傷或損壞。）如果裝置摔落或損壞，請聯絡購買商店或SHARP授權的服務中心。繼續使用損壞的裝置可能會引起著火或觸電。
- 切勿改裝本裝置。同樣，非獲授權的維修人員，不得對本裝置進行拆除或修理操作。（否則可能會引起著火、觸電或受傷。）聯絡購買商店或SHARP授權的服務中心進行修理。
- 切勿從空氣吹出口或吸入口將飲料倒入或令煙灰、金屬物品或易燃物品掉入裝置內部。特別是家中有小孩時，請加以注意。如果水或異物進入裝置內部，請將汽車插頭從附件插座中拔出。（繼續使用可能會引起著火或觸電。）聯絡購買商店或SHARP授權的服務中心。
- 切勿用油類、酒精、苯或稀釋劑擦拭本裝置或在裝置上噴上頭髮定型劑或殺蟲劑。如裝置上附著上述物質，須立即擦拭乾淨。（此類物質可能會導致產生裂紋、觸電或著火。）
- 請勿將裝置放置於有油煙或濕氣環境（如廚房櫃檯或加濕裝置）的位置。（否則可能會引起觸電。）
- 請勿靠近加熱設備（如暖風機的吹出口）放置裝置。（否則可能會導致變形或故障。）
- 使用專為本裝置設計的汽車插頭，將汽車插頭切實地插入至底部。（如果汽車插頭未切實插入至底部則會發熱，不僅可能會導致附件插座變形，並可能會導致火災。）
- 清潔時，務必將汽車插頭從附件插座中拔出。（否則可能會導致觸電或受傷。）



- 長時間不使用時，務必將汽車插頭從插座中拔出。（否則可能會導致由短路引起的觸電或火災。）
- 煙灰缸與插座為一體時，須在煙灰徹底熄滅後再使用本裝置。
- 離開汽車時，須將汽車插頭拔下，關閉煙灰缸的外蓋。（否則煙頭的殘火可能會導致火災。）
- 除非得到監護人或負責其安全人士的適當監督或指導，否則，本裝置不適合身體官能或心智能力退化者，或缺乏操作經驗和知識的人士（包括兒童）使用。
- 應小心看管兒童，確保他們不會把玩本裝置。

#### 操作注意事項：

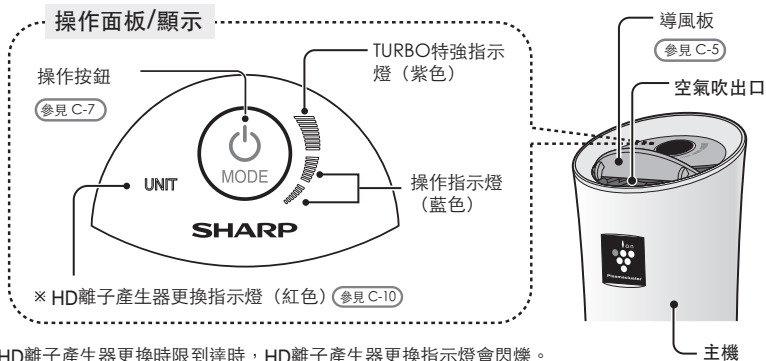
- 切勿觸摸汽車插頭（或附件插座）的金屬部位。  
（汽車停止後，由於汽車插頭的金屬部位溫度很高，在觸摸時可能會導致燙傷。）
- 切勿將裝置放在市售的杯架、晃動或不平穩的表面上或其他不穩定的場所。  
（否則裝置跌落時可能會導致受傷或損壞。）
- 使用室內薰蒸型殺蟲劑或除臭劑時，須將本裝置移出車外。否則藥劑成分可能會積蓄在裝置內部，然後從空氣吹出口釋放出來，不利健康。
- 裝置可能會從杯架上飛出時（在崎嶇的道路或顛簸的路面等上駕駛時），請減速或事先將裝置從杯架中取出。（否則可能會導致受傷或損壞裝置。）
- 在裝置附近，切勿使用矽膠製品\*等物品。  
氟樹脂、矽膠可能會附著在裝置內部，導致無法產生離子。  
此時，需要去除HD離子產生器電極部位的灰塵。（參見 C-9）

\*護髮產品（髮梢保護液、髮膠、頭髮修護產品等）、  
化妝品、止汗劑、靜電防止劑、防水噴霧劑、光亮劑、玻璃清潔劑、  
化學抹布、石蠟等。

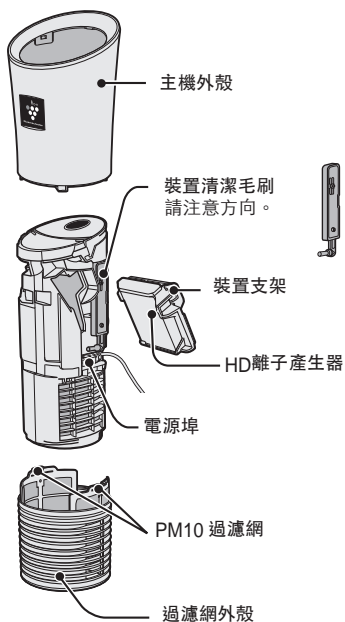
×  
中

# 各部分名稱

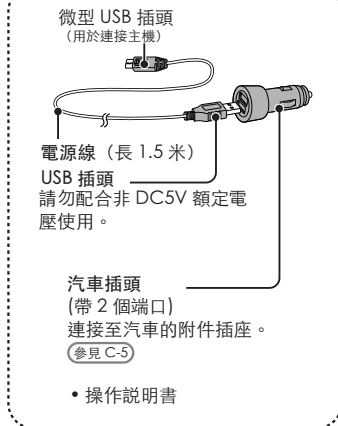
## 主機 • 操作面板/顯示



## 主機



## 附件



## 注意

- 請使用原廠汽車插頭和電源線。  
(否則可能會導致火災/觸電/故障)

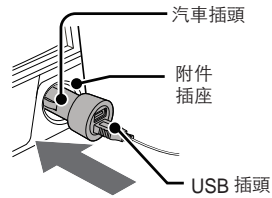
# 安裝位置

## 汽車插頭的連接與主機安裝

將汽車插頭插入附件插座，然後將USB插頭連接至汽車插頭。

### 注意

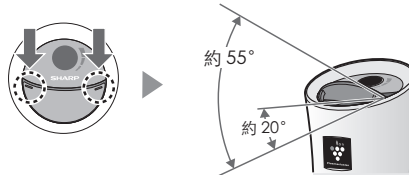
- 請務必將附件插座中的污物清除乾淨。否則可能會導致通電不良或火災。



- 汽車插頭有 2 個USB連接埠，其中一個供HD PCI抗菌機 (IG-GC2A) 使用，另一個用於連接 1.5A 或更低電流的裝置。
- 汽車插頭（附件）用於HD PCI抗菌機「IG-GC2A」。連接HD PCI抗菌機時，可連接另一台 1.5A 或更低電流的裝置。然而，在此情況下，無法保證其他裝置的正常運行。
- 汽車插頭和/或連接部分在使用時和/或使用之後可能發熱。

## 2

調節導風板角度，將主機放入杯架

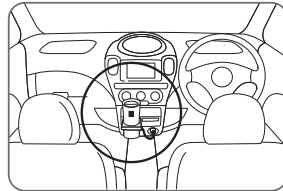


#### 汽車插頭佈線時的注意事項

- 請勿使電源線接觸車座導軌、變速杆或其他可動部位，亦請注意勿被上述部位夾住。
- 佈線方式應確保電源線不會妨礙駕駛員。
- 佈線時，請考慮座椅的前後移動、旋轉或斜倚座椅時的移動情況。
- 請勿過度彎折電源線或壓迫電源線。

#### 安裝時注意事項

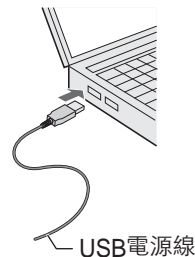
- 主機與車輛電子鑰匙需保持不少於 30cm 的距離。否則可能會干擾主機的電波，導致無法識別電子鑰匙。



主機與車輛電子鑰匙需保持不少於 30cm 的距離。

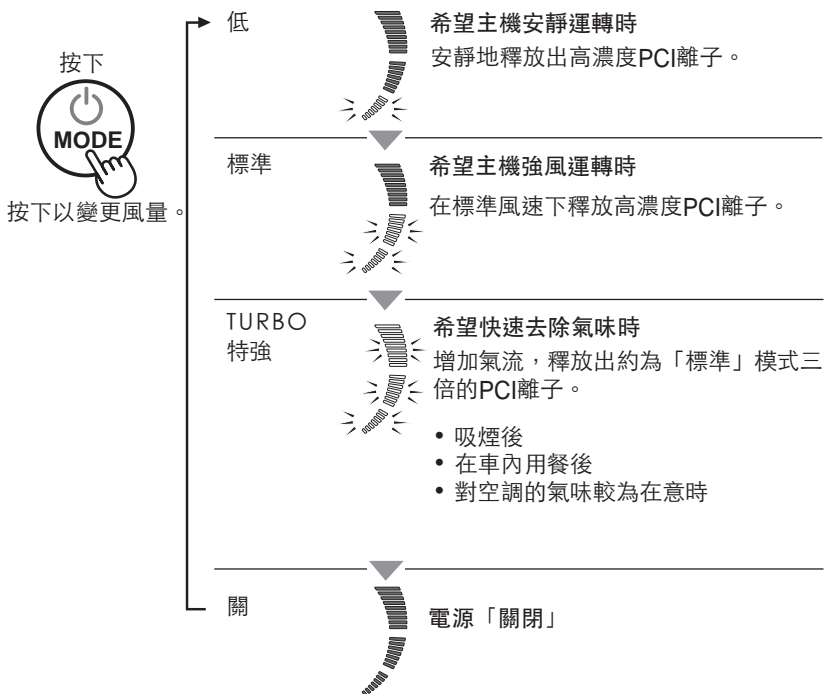
- 請務必放置於穩定的場所。（請勿放置於市售的杯架或其他不穩定的場所。）
- 請勿阻塞空氣吸入口或吹出口。
- 請將主機與車輛的玻璃天線分開放置。否則可能會對收音機產生干擾。
- 同一汽車內的電視或收音機受到干擾，或車內的原子鐘無法顯示正確時間時，請將主機與電視、收音機、原子鐘等分開放置。
- 將主機安裝於汽車空調出風口的正前方時，如果空調在加熱模式下運行，主機可能會發熱。
- 由於車輛的震動等原因，主機可能會劃傷。
- 不同汽車的附件插座的尺寸不盡相同，主機可能因此無法使用。

只需把USB插頭連接其他裝置，例如電腦，的USB插座，便可操作主機。



# 主機操作

## 選擇模式



## 引擎聯動功能

在主機運轉時關閉車輛引擎，待車輛停止後，若再次啟動車輛引擎，主機將按與停止時相同的模式恢復運轉。

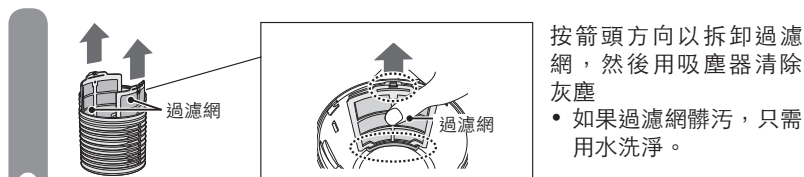
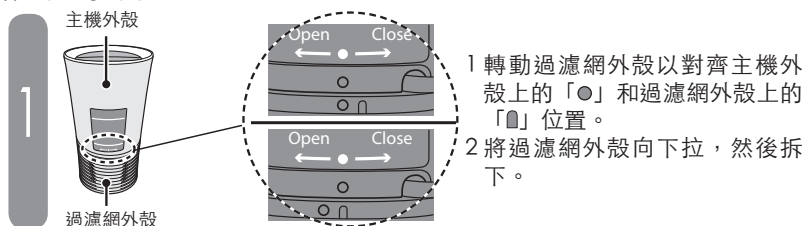
- 即使拔出車輛鑰匙或關閉引擎開關，若主機繼續運轉，則需要拔出汽車插頭，防止電池電量耗盡。

## 清潔及保養

### 過濾網

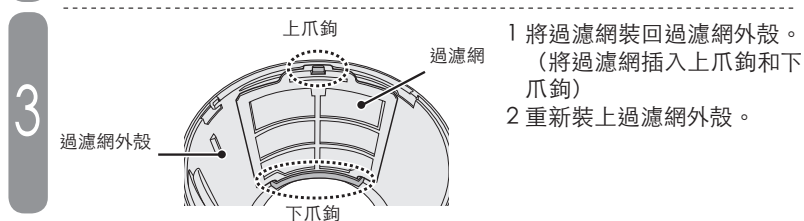
根據需要，勤於清潔保養

為了保持離子濃度，過濾網需要定期清潔。根據不同的使用環境，過濾網的髒污程度也有所不同，因此應根據需要勤於進行清潔。頻繁地進行清潔時，可以高效釋放出PCI離子。



### 注意

- 切勿用力按壓吸塵器清潔過濾網，否則過濾網可能會受損。
- 使用廚房用合成清潔劑時，為避免清潔劑殘留，請充分沖洗乾淨。此外，請務必在陰涼處晾乾過濾網。
- 請將產品放在陰涼的地方晾乾，使得過濾網外殼和過濾網之間的空隙中沒有水滴殘留。



### 主機

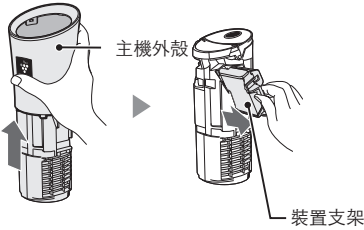
每月清潔保養一次（或在必要時更頻繁地清潔保養）

用柔軟乾布擦拭。〈對於難處理的污漬〉  
使用清水和柔和的清潔劑。然後用濕布擦拭。確保擦乾主機。

## HD離子產生器（電極部分）

每 6 個月清潔保養一次（或在必要時更頻繁地清潔保養）

1

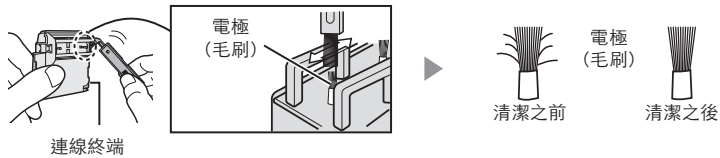


### 如何取下裝置支架

- ① 取下過濾網外殼（參見 C-8）
- ② 拉起主機外殼
- ③ 取出裝置支架

2

用裝置清潔毛刷清除電極上的灰塵（參見 C-4）。

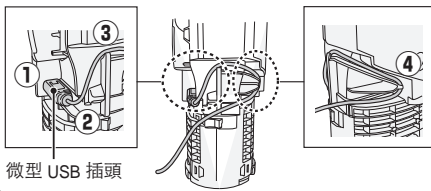


3

重新裝上裝置支架、裝置清潔毛刷、主機外殼和過濾網外殼。

### 請正確佈設電源線

錯誤的佈線可導致電源線損壞，從而導致火災/觸電。



將用於連接主機的微型USB插頭插入電源埠 ①

將電源線放在 ② 和 ③ 上







將電源線插入 ④ 的爪鉤  
裝上主機外殼時，將電源線穿過主機外殼上的孔。

### 注意

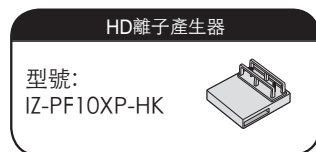
- 請勿用裝置清潔毛刷之外的任何物品進行清潔。（否則可能會導致機器故障）
- 彎曲的電極可能會在清潔程序過程中切斷和下降，但不會影響性能。
- 切勿直接碰觸電極。（否則可能會導致疼痛/瘙癢）
- 請勿使電極變形。（否則可能會導致機器故障）
- 請勿碰觸連線終端。（否則可能會導致機器故障）

## 更換HD離子產生器

如果總操作時間達到約 17,500 小時（假設產品每天使用時間為 8 小時，那麼大約為 6 年），HD離子產生器更換指示燈會閃爍以提示您更換產生器的時間到了。  
\* 無論使用哪種運轉模式，HD離子產生器更換週期均相同。

使用時間	顯示	消息
開始使用	 <p>開 UNIT</p>  <p>MODE</p>	
大約 17,500 小時（每天 8 小時運行時，大約 6 年後）	 <p>閃爍（紅色）</p> <p>UNIT</p>  <p>MODE</p>	請更換HD離子產生器
大約 19,000 小時（每天 8 小時運行時，大約 6 年 6 個月後）	 <p>快速閃爍（紅色）</p> <p>UNIT</p>  <p>MODE</p>	停止運行

### 更換HD離子產生器



#### <廢棄處置>

請遵循當地法律法規處置廢舊的HD離子產生器。

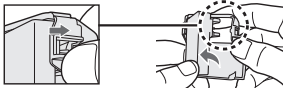
-材料-

- 裝置:聚對苯二甲酸，電子零件

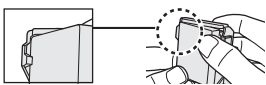


## 如何更換HD離子產生器

- 1** 拆下爪鉤



取出裝置支架。(參見 C-9)  
拆下裝置支架的爪鉤，然後拆下HD離子產生器  
請勿棄掉裝置支架。
- 2** 插入到爪鉤中。


  - ① 將新的HD離子產生器裝到裝置支架上
  - ② 將裝置支架重新裝到主機上
  - ③ 重新裝上主機外殼和過濾網外殼
- 3** 將汽車插頭插入附件插座中，確認HD離子產生器更換指示燈是否熄滅。

**注意** • 更換後可能會聽到「吱、吱……」聲響（產生PCI離子的聲響）變大，這僅僅是因為更換上了新的HD離子產生器，並非故障。

## 規格

型號	IG-GC2A		
電源供應	汽車插頭		
額定輸入	DC12V		
額定輸出	DC5V (最大 2A, 用於 2 個連接埠)		
運轉模式	低	標準	TURBO特強
耗電量	0.5W	0.7W	1.8W
PCI 離子濃度	離子數量約為 7,000 個/cm <sup>3</sup>	離子數量約為 25,000 個/cm <sup>3</sup>	離子數量約為 75,000 個/cm <sup>3</sup>
運行噪音水平	19dB	23dB	36dB
外形尺寸	上部直徑：74mm / 下部直徑：65mm 高度：162mm (不包括附件)		
重量	約 265g (不包括附件)		
適用於高濃度 PCI 25000 的容積 <sup>*1</sup>	約 3.6m <sup>3</sup> <sup>*2</sup>		

規格設計如有變更，恕不另行通知。

×1 容積參考標準：將主機放置於駕駛座旁邊的杯架等合適位置上，風量設為「標準」時，在空間的中央附近（離地 0.5 米）地點，可測得吹向空中的離子數量約為 25,000 個/cm<sup>3</sup>。

×2 相當於闊1.5m×深2.4m×高1.0m的汽車內部空間。

## 故障時的解決方法

問題	處理方法
主機停止操作。	<ul style="list-style-type: none"> <li>汽車插頭是否正確連接？請確保進行正確連接。（參見 C-5）</li> </ul>
雖然已關閉汽車引擎，但主機並未停止運轉。	<ul style="list-style-type: none"> <li>即使拔出車輛鑰匙或關閉引擎開關，但若主機繼續運轉，則需要拔出汽車插頭，防止電池電量耗盡。（參見 C-7）</li> </ul>
主機不與引擎聯動操作。	<ul style="list-style-type: none"> <li>如汽車引擎停止時，汽車仍然供電到附件插座，那麼引擎聯動功能便不會操作。</li> </ul>
HD離子產生器更換指示燈快速閃爍，主機運轉停止。	<ul style="list-style-type: none"> <li>主機已超過使用時限。請更換新的HD離子產生器。（參見 C-11）</li> <li>如果超出裝置更換週期，HD離子產生器更換指示燈（紅色）會快速閃爍，運轉停止。</li> </ul>
操作指示燈「低」、「標準」（藍色）和「TURBO特強」（紫色）同時閃爍，運轉停止。	<ul style="list-style-type: none"> <li>未能產生PCI離子。請清潔電極部位。（參見 C-9）</li> <li>如果指示燈不斷反覆閃爍，請聯絡購買商店或SHARP授權的服務中心。</li> <li>HD離子產生器是否正確安裝？取出裝置，然後再次插入，最後請按操作按鈕。（參見 C-11）</li> </ul>
聽到間斷性噪音。運行時，主機發出「喀嗒」或「滴答」聲。	<ul style="list-style-type: none"> <li>當主機正在釋放離子時，可能會發出喀嗒或滴答的聲音。根據使用環境或運轉模式的不同，可能會感覺聲響變大，或者感覺聲響變小，但這並不會影響PCI離子的效果。</li> <li>可能有灰塵導致過濾網阻塞。請清潔過濾網。（參見 C-8）</li> </ul>
藍色或紫色操作指示燈閃爍，主機停止運轉。	<ul style="list-style-type: none"> <li>請拆下汽車插頭，然後重新插入，最後再次按下操作按鈕。</li> <li>如果此狀況反覆發生，請聯絡購買商店或SHARP授權的服務中心。</li> </ul>
其他狀況	<ul style="list-style-type: none"> <li>故障 拔出插頭並聯絡購買商店或SHARP授權的服務中心。</li> </ul>





# SHARP®

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