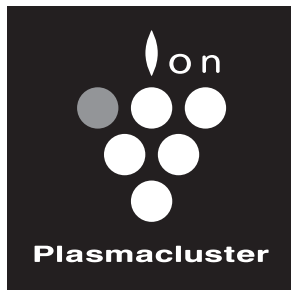


SHARP®

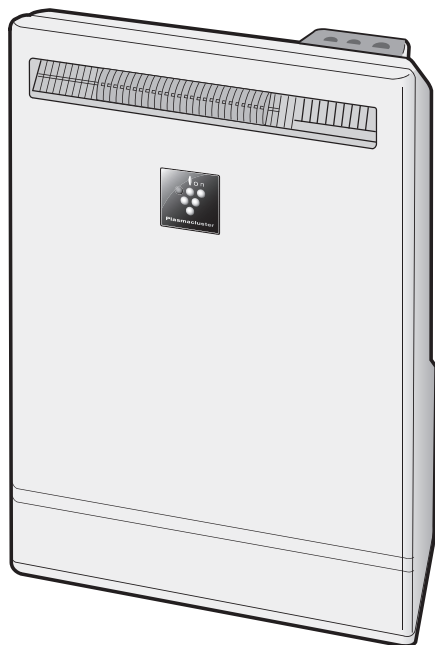


High-Density 25000*

Device of this mark is a trademark of Sharp Corporation.
Plasmacluster is a registered trademark or a trademark of Sharp Corporation.

此標誌乃 Sharp 株式會社的商標。
Plasmacluster 乃 Sharp 株式會社的註冊商標或商標。

IG-BL20A



Read and keep this manual carefully.
請仔細閱讀並妥善保存這本手冊。

Plasmacluster Ion Generator OPERATION MANUAL

HD 離子簇抗菌機 使用說明書

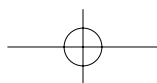
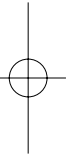
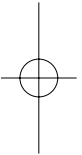
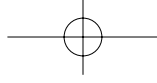
ENGLISH

中文

*The number in this technology mark indicates an approximate number of ions supplied into air 1 cm³, which is measured around the center of a room with the applicable floor area (at 1.2m height above the floor) at the maximum wind volume, when plasmacluster ion evolving equipment using the high-density plasmacluster ion evolving unit is placed close to a wall.

* 本技術標示的數字，是將已裝置 HD 離子產生器的離子簇抗菌機放置貼近牆壁，並設置最高風速，在適用面積的房間大約中央位置（距離地面高度 1.2 米），測出空氣中的離子數量為每立方厘米 25,000 粒。

香港電器安全規格
(國際電工委員會規格適合)



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- While IG-BL20A can inactivate suspended viruses and other contaminants, it cannot create a completely sterilized 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-BL20A will need to be replaced periodically*.

* Replacement is required approximately every 2 years (17,500 hours) when operated 24 hours a day. IG-BL20A will stop operating after about 26 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. The information provided in this manual is subject to change without notice.



IMPORTANT SAFETY INSTRUCTIONS

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

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

- Read all instructions before using the unit.
- Use only a 220 volt outlet.
- DO NOT use the unit if the power cord or plug is damaged, or the connection to the wall outlet is loosened.
- Periodically remove dust from the plug.
- DO NOT insert fingers or foreign objects into the air intake or air outlet.
- Always hold the plug and never pull on the cord when removing the power plug.
Electric shock and/or fire from a short circuit may result.
- DO NOT remove the plug when your hands are wet.
- DO NOT use the unit near gas appliances or fireplaces.
- If the power cord is damaged, it must be replaced by the manufacturer, its service agent, Sharp Authorized Service Center or similarly qualified person in order to avoid a hazard.
- Be cautious when cleaning the unit.
Strong corrosive cleansers may damage the exterior.
- DO NOT operate when using aerosol insecticides or in rooms where there is oily residue, incense, sparks from lit cigarettes, chemical fumes in the air, or in locations where the unit may get wet, such as a bathroom.
- Only Sharp Authorized Service Center should service this Plasmacluster Ion Generator.
Contact the nearest Service Center for any problems, adjustments, or repairs.
- 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 ride on the main unit and do not sit on or lean it, it may cause injury or malfunction.
- DO NOT block the air intake and/or air outlet.
- DO NOT use the unit near or on hot objects, such as stoves or heaters or where it may come into contact with steam.
- Always operate the main unit in an upright position.
- Clean the exterior with a soft cloth only, otherwise the main unit surface may be damaged or cracked.
- Keep the main unit away from water.

INSTALLATION GUIDELINES:

- Place at least 2m away from equipment utilizing electric waves such as televisions or radios to avoid electrical interference when using the unit.
- Avoid using in locations where the unit is exposed to condensation or drastic temperature changes. Appropriate room temperature is between 0-35°C.
- Avoid locations where grease or oily smoke is generated, otherwise the main unit surface may crack as a result.

NOTE - Radio or TV Interference:

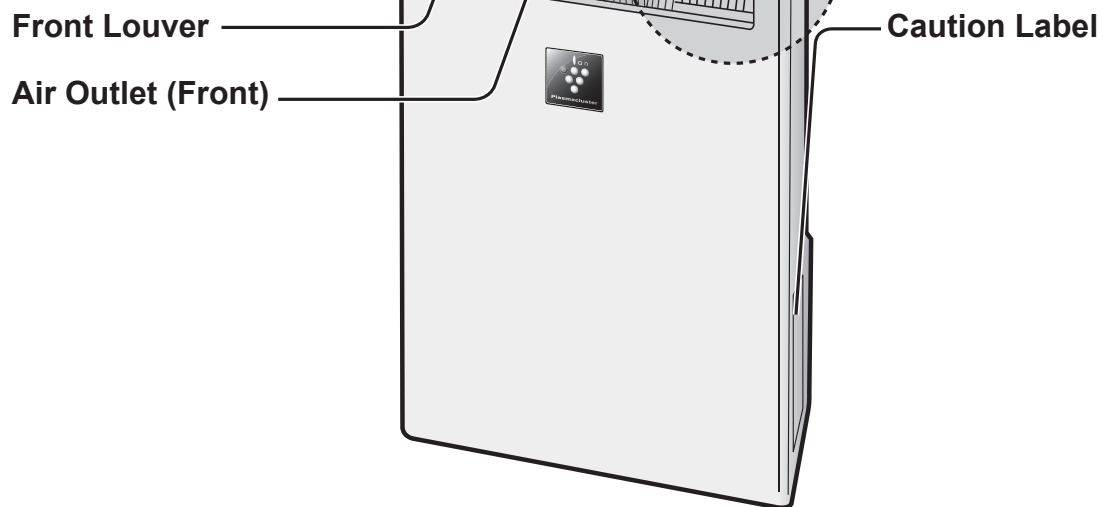
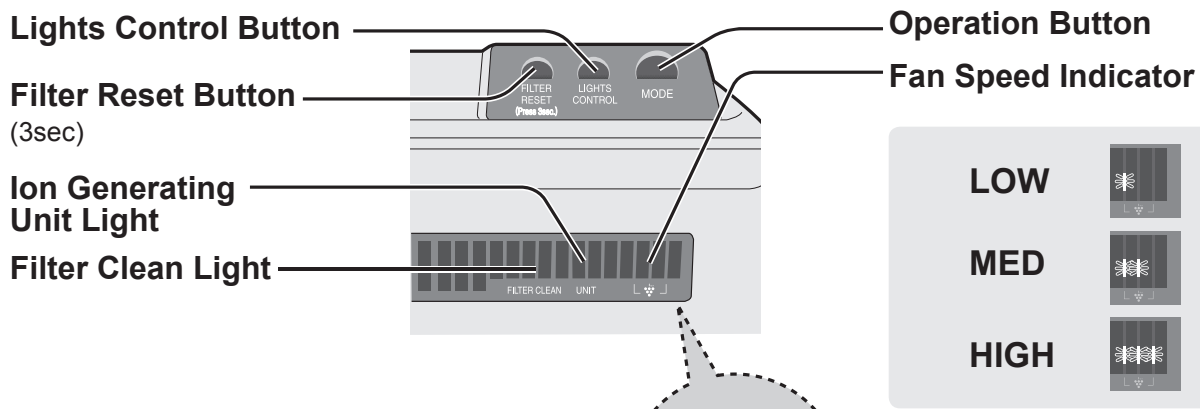
If this Plasmacluster Ion Generator may cause interference to radio or television reception, try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the unit and radio/TV receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

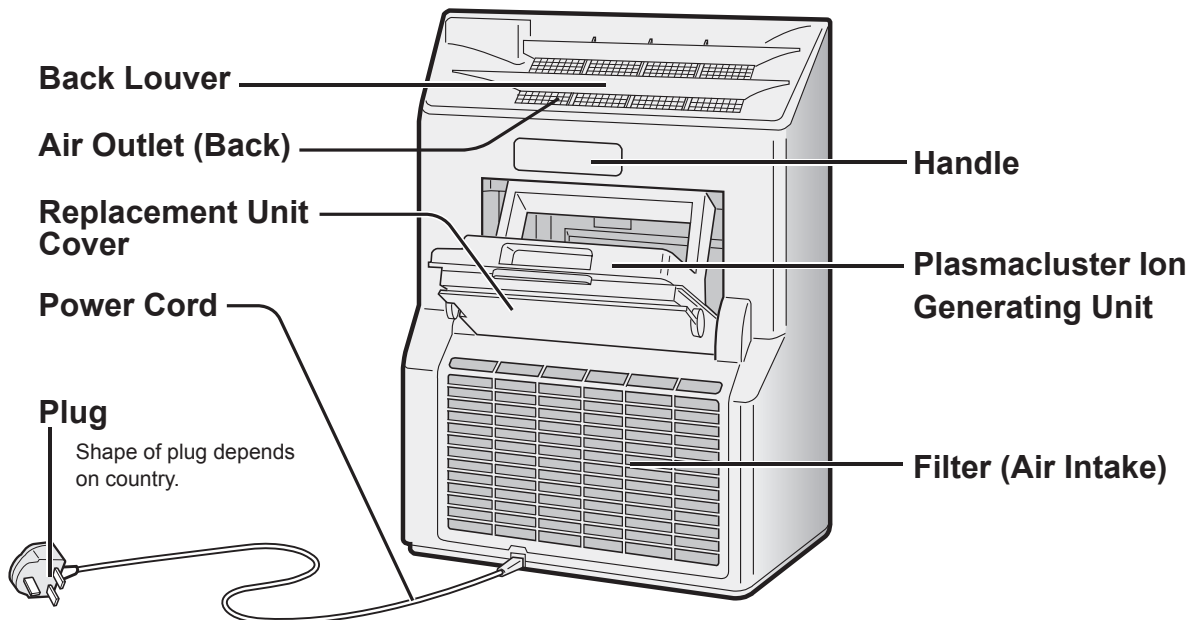
PARTS NAME

FRONT

CONTROL PANEL



BACK



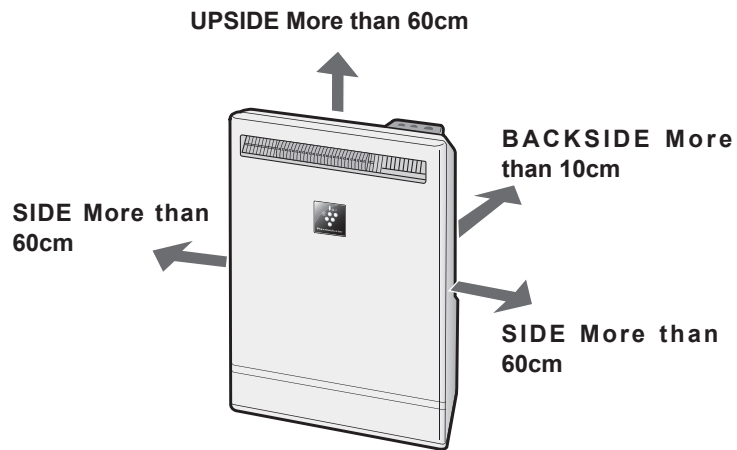
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INSTALLATION POSITION

Place the main unit on a smooth, stable surface in a room, and insert the plug into an outlet.

Installation Guidance

Leave at least 10cm of clearance behind the unit.



DO NOT USE the below items near the unit.

silicone-containing products*

SPRAY



WAX



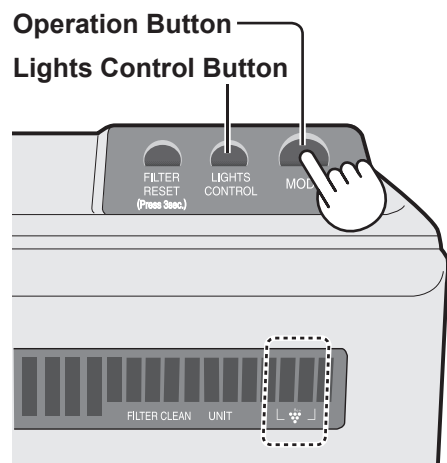
PESTICIDES



* Hair care products, cosmetic products, water proof sprays, polish glass cleaner, wipe and wax.

OPERATION

Press the operation button to directly turn on the power and select the preferred mode.



LOW

Release high-density Plasmacluster ions quietly.



MED

Release high-density Plasmacluster ions at medium fan speed.



HIGH

Release high-density Plasmacluster ions at high fan speed.

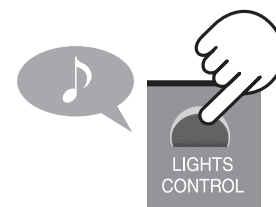
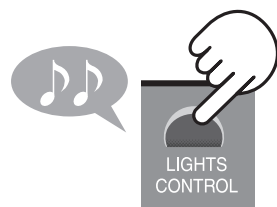


'OFF'

Power 'OFF'.

LIGHTS CONTROL

If you feel indicator lights are too bright, press the Lights Control Button. The brightness is changed.



CLEANING AND MAINTENANCE

WARNING:

When cleaning the unit, be sure to first unplug the power cord, and never handle the plug with wet hands. Electric shock and/or bodily injury may occur as a result.

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.



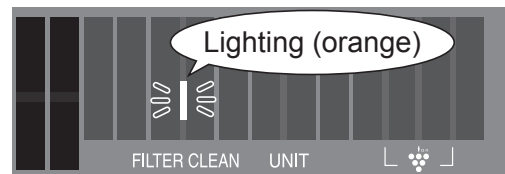
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FILTER

Every 1 week or more often if necessary

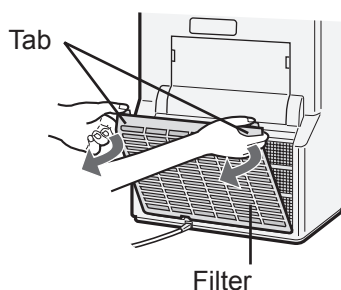
<FILTER CLEAN LIGHT>

Filter Clean Light lights up after approx. 1 month (approx, 720 hours), when operated 24 hours a day.



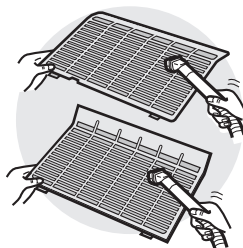
Detach the filter and remove dust by using a vacuum cleaner.

Detach

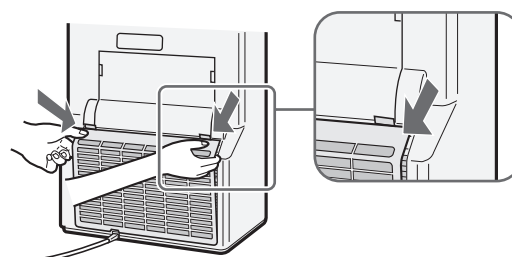


Push the both tabs toward arrow.

Clean



Attach



- ① Set one side of the filter tab.
- ② Push and set the another side of filter tab toward arrow.

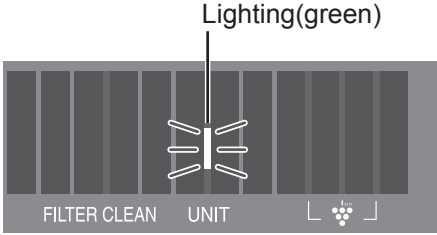
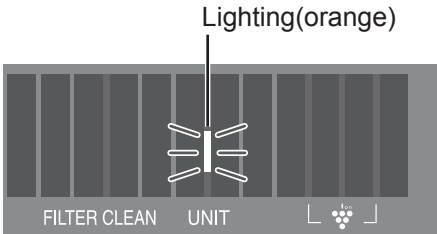
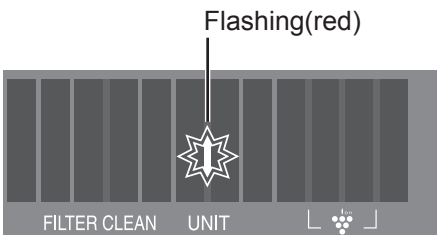
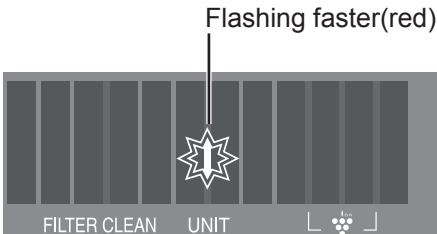
<FILTER RESET BUTTON>

After cleaning, press the Filter Reset Button for 3 seconds. The Filter Clean Light will go off. Even if the Filter Clean Light is off, press the Filter Reset Button for 3 seconds after cleaning.



PLASMACLUSTER ION GENERATING UNIT REPLACEMENT

In order to release Plasmacluster Ion stably, periodical replacement of Plasmacluster Ion Generating Unit is necessary. The Unit Replacing Light lights up as a reminder for replacement.

Elapsed Time	Display	Message
Beginning to use.		Operate normally.
Approx. 1 year and 10 months. (Approx. 16,000 hours)		The Plasmacluster Ion Generating Unit is soon to be replaced.
Approx. 2 years. (Approx. 17,500 hours)		Suggest replacing Plasmacluster Ion Generating Unit.
Approx. 2 years and 2 months. (Approx. 19,000 hours)		<ul style="list-style-type: none"> •Unit stops operation. •Replace the Plasmacluster Ion Generating Unit.

*Usage environment affects the lifetime of the Plasmacluster Ion Generator. The Plasmacluster Ion Generator may stop operating before estimated lifetime. In this case, press Operation Button again and restart. If this does not help, replace with a new Plasmacluster Ion Generating Unit.

Plasmacluster Ion Generating Unit for Replacement

<For Disposal>

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

-materials-

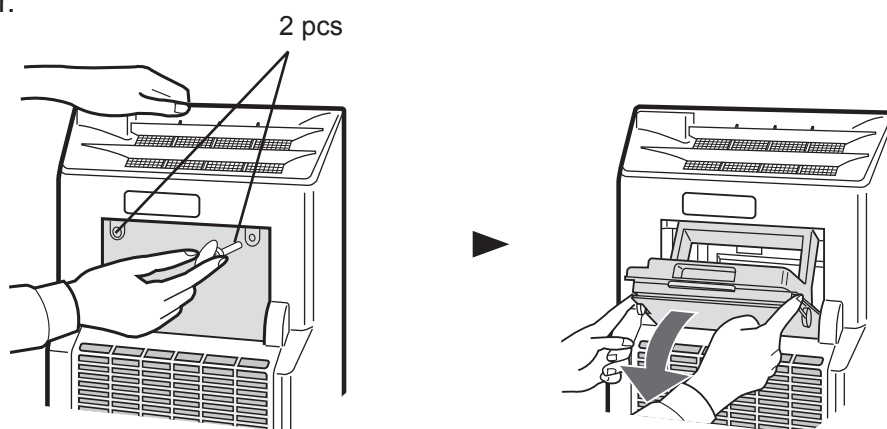
- Case : Acrylonitrile Butadiene (ABS)
- Unit : Polystyrene Terephthalate (PBT), Electric parts.

Plasmacluster Ion Generating Unit	
Model	IZ-CBL20E

HOW TO REPLACE THE PLASMACLUSTER ION GENERATING UNIT

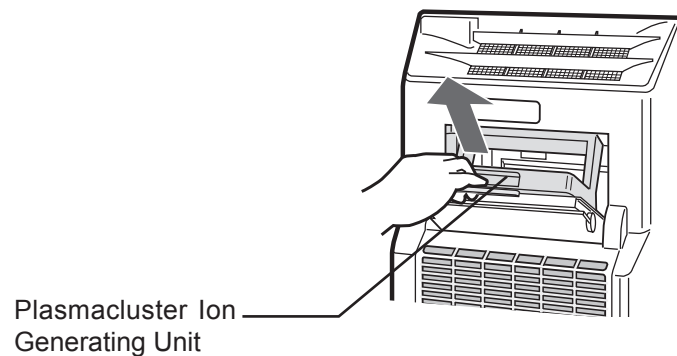
***When replacing the Plasmacluster Ion Generating Unit, be sure to turn off the main unit, unplug the power cord, and never handle the plug with wet hands.**

- 1** Remove the 2 screws at the back of the unit and open the Replacement Unit Cover.

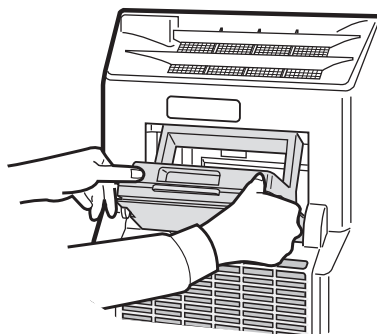


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- 2** Remove the Plasmacluster Ion Generating Unit by the handle.



- 3** Replace with a new Plasmacluster Ion Generating Unit. Fix it into the main unit firmly.
***Never touch the connector terminal of Plasmacluster Ion Generating Unit.**



***After replacing the Plasmacluster Ion Generating Unit, press the Operation Button.
Fill the replacement date to the caution label of side of the main unit.**

SPECIFICATIONS

Model	IG-BL20A		
Power Supply	220V, 50 Hz		
Fan Speed Mode	HIGH	MED	LOW
Power Consumption (W)	13	8.5	5.5
Operating noise level (dBA)	42	36	28
Airflow Volume (m ³ /hour)	270	210	156
Applicable Floor Area (m ²) *1	20		
Ion Density (ions/cm ³) *2	25,000	12,000	7,000
Cord Length (m)	1.8		
Dimensions (mm)	392(W)x500(H)x182(D)		
Weight (kg)	5.8		

*1 The applicable floor area for which an emitted airborne ion density of about 25,000 ions/cm³ can be measured at a point near the center of the room (at a height of about 1.2m from the floor), during operation at the HIGH mode when the main unit is placed near a wall.

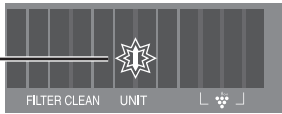
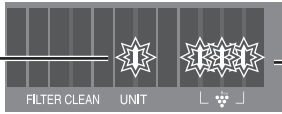
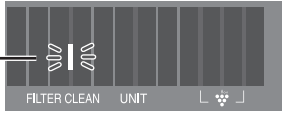




*2 Ion count per cm³ blown into air at around the center of the room (at a height of approx. 1.2m from the floor) during operation at each airstream setting when the main unit is placed near the wall.

• The number of ions will vary according to the room conditions and operation mode.

Standby Power In order to operate the electrical circuits while the power plug is inserted in the wall outlet, this product consumes about 0.8W of standby power.
For energy conservation, unplug the power cord when the unit is not in use.

TROUBLESHOOTING

Before calling for service, please review the TROUBLESHOOTING chart below.
The problem may not be unit malfunctions.

Problem	WHAT TO DO
 <p>Flashing (red)</p>	<ul style="list-style-type: none"> It's time to replace Plasmacluster Ion Generating Unit. Replace with a new Plasmacluster Ion Generating Unit. (See page E-7)
 <p>Flashing (red)</p> <p>Flashing (blue)</p>	<ul style="list-style-type: none"> Plasmacluster Ions are not released. Dust may block the filter, clean the filter. (See page E-5) If the lights are still flashing after cleaning filter, unplug and contact the store you purchased or Sharp Service Center.
 <p>Lighting (orange)</p>	<ul style="list-style-type: none"> Filter is getting dirty. Clean the filter. After cleaning the filter, press the FILTER RESET Button for 3 seconds. (See page E-5)
 <p>Flashing (blue)</p>	<ul style="list-style-type: none"> Confirm the Plasmacluster Ion Generating Unit is set in correct position, press the Operation Button to restart. (See page E-7)
 <p>Flashing (blue)</p>  <p>Flashing (blue)</p>  <p>Flashing (blue)</p>	<ul style="list-style-type: none"> Failure Unplug the unit and contact the store you purchased or Sharp Service Center.

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- 雖然 IG-BL20A 能夠抑制和去除懸浮的病毒以及其他污染物，但並不能夠營造一個完全無菌的環境。聲寶公司對該產品防止微生物感染的能力不提供保證。
- 為穩定釋出高濃度的離子簇，需要定期更換安裝於 IG-BL20A 內部的 HD 離子產生器*。

*在 24 小時連續運行的情況下，大約每 2 年（17,500 小時）需要進行一次更換；如果未對 HD 離子產生器進行更換，IG-BL20A 將在大約 26 個月（19,000 小時）後停止運行。

感謝您購買聲寶公司生產的 HD 離子簇抗菌機。在使用 HD 離子簇抗菌機前請詳細閱讀本手冊。
閱讀後請妥善保存本手冊，以便日後查閱。
關於本手冊中提供的資訊，有可能無通知而改變的情況。



重要安全事項

在使用電器產品時，必須遵守基本安全預防措施，包括以下各方面：

警告 - 為減少觸電、火災或受傷等危險：

- 在使用本機前詳細閱讀所有的注意事項。
- 只可使用 220V 的電源插座。
- 在電源線或電源插頭發生損壞、或是牆壁上的電源插座發生鬆脫的情況下，切勿使用本機。
- 定期清除電源插頭上的灰塵。
- 切勿將手指或異物插入空氣吸入口或吹出口。
- 在拔出電源插頭時，必須緊握插頭，切勿拉扯電源線。否則可能會因短路而導致觸電和 / 或火災的發生。
- 手濕時請勿拔插電源插頭。
- 切勿在氣體設備或壁爐附近使用本機。
- 如果電源線損壞，必須由製造廠商、其服務代理商、聲寶公司授權的服務中心或其他具有同樣資格的人員進行更換，以避免發生危險。
- 清潔本機時應小心謹慎。強烈的腐蝕性清潔劑會對本機表面造成損害。
- 當使用噴霧殺蟲劑時，請勿使用本機。切勿在含有石油成分，焚香火苗及化學性煙霧的房間內使用本機。
- 只有聲寶公司授權的服務中心方可對本機進行維修。遇到任何問題或是需要對產品進行調整、修理時，請與就近的服務中心聯繫。
- 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，本機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。
- 兒童應受到適當的監管，以確保不會以此機器作玩具。



操作注意事項：



- 切勿攀爬、乘坐或倚靠在本機上，否則可導致傷害或故障。
- 切勿阻塞空氣吸入口和吹出口。
- 切勿在高溫物體（例如爐灶或暖爐等）上或其附近、或是在可能會接觸到水蒸氣的場所使用本機。
- 使用時應確保其處於直立狀態。
- 只能使用柔軟的布料清潔本機表面，否則可能導致本機表面損壞或發生破裂。
- 確保本機遠離水源。

安裝指南：

- 本機的擺放位置應與電視機、收音機等應用電磁波的設備距離至少 2 米以上，以避免在使用本機時發生電波干擾。
- 請勿安裝在由於溫度劇烈變化而導致本機直接暴露於冷凝環境的地方。只適宜在 0-35°C 之間的室溫下使用。
- 避免在會產生油脂或含油煙霧的場所使用本機，否則可能導致本機表面損壞或破裂。

注意：收音機或電視機干擾：

如果本機對收音機或電視機的信號接收造成干擾，請嘗試以下列其中一項或多項措施來修正干擾：

- 改變接收天線的方向或擺放位置。
- 增加本機與收音機 / 電視機接收器之間的距離。
- 將本機與接收器分別連接至不同的電源插座或供電線路。
- 向經銷商或有經驗的收音機 / 電視機技術人員諮詢並請求幫助。

各部分名稱

正面

操作面板

- 指示燈亮度調校按鈕
- 過濾網重設按鈕 (3 秒鐘)
- HD 離子產生器更換指示燈
- 過濾網清潔指示燈
- 操作按鈕
- 風速指示燈

低速

中速

高速

- 前葉窗
- 空氣吹出口 (正面)
- 警告標籤

背面

- 後葉窗
- 空氣吹出口 (背面)
- HD 離子產生器面蓋
- 電源線
- 電源插頭
插頭形狀因國家不同而異。
- 手柄
- HD 離子產生器
- 過濾網 (空氣吸入口)

C-3

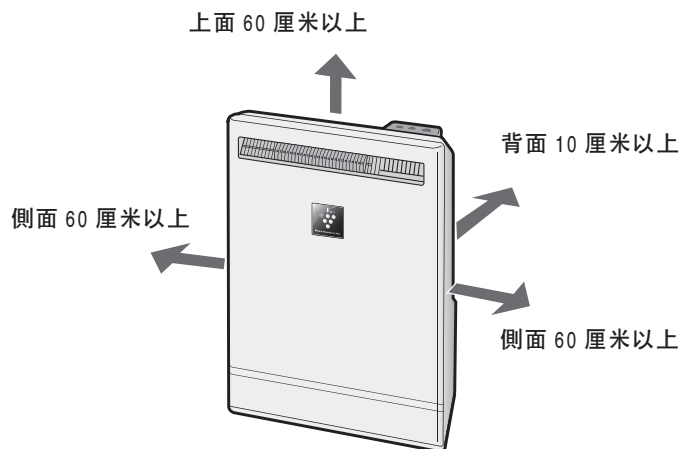
中文

安裝位置

擺放本機在房間內一個平滑、穩定的地方，並將插頭插入電源插座中。

安裝指南

在本機背面應預留至少 10 厘米的空間。



在本機附近切勿使用下列物品。
含有矽樹脂的產品*

噴霧劑



蠟



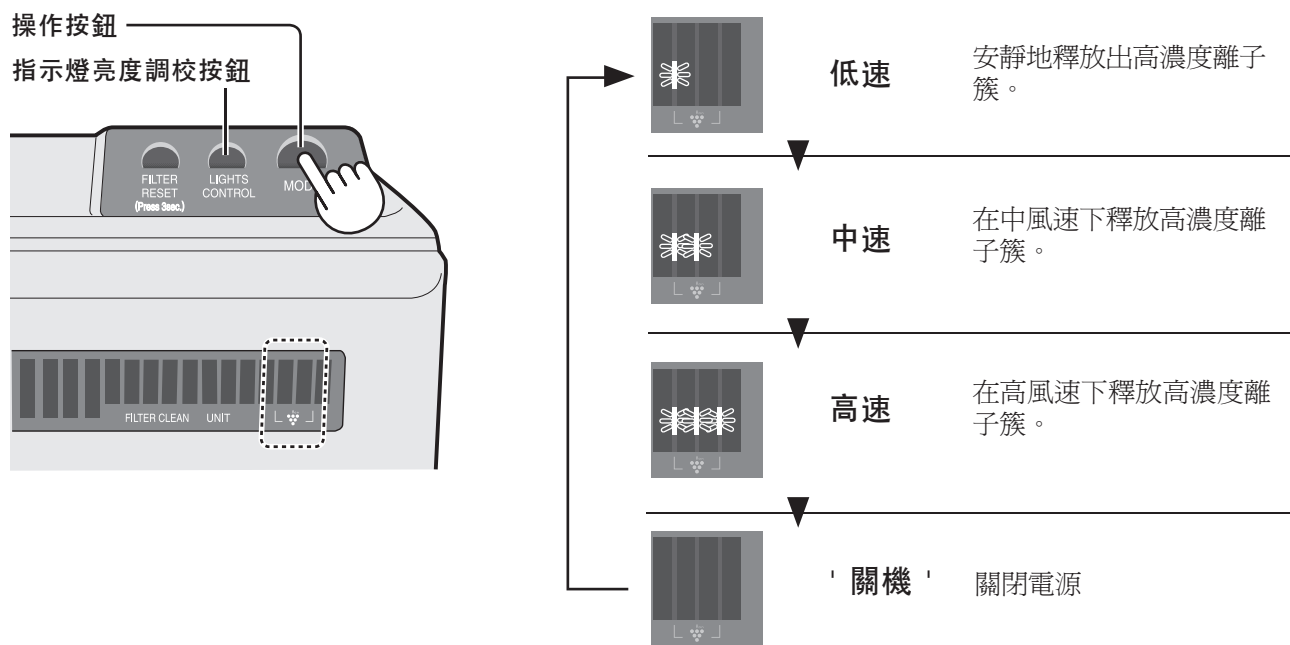
殺蟲劑



*頭髮護理產品、化妝品、防水噴霧劑、
玻璃清潔劑、光蠟等。

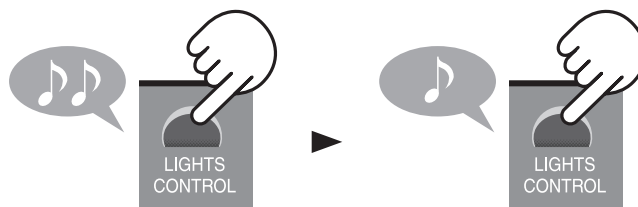
主機操作

按下“操作 (Mode)” 按鈕直接開啟電源和選擇所需模式。



指示燈亮度調校

如果指示燈過亮時，請觸按“指示燈亮度調校”
按鈕以調節亮度。



保養與清潔

警告：

當對本機進行清潔時，首先應確認已經拔除電源線，切勿以濕手插拔電源插頭。否則可能會導致觸電和 / 或人身傷害。

主機

每月一次

用乾燥而柔軟的布料進行擦拭。

< 對於難處理的污漬 >

使用清水和柔和的清潔劑，然後用濕布進行擦拭。應確保抹乾機身表面。

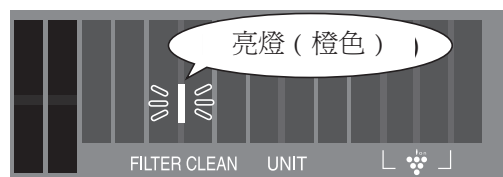


過濾網

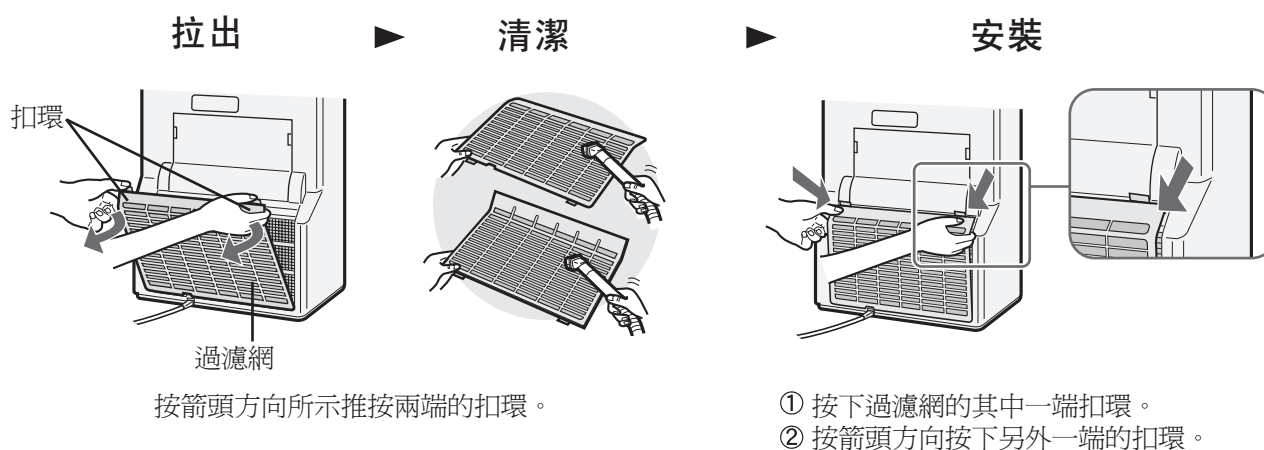
每週一次

< 過濾網清潔指示燈 >

當主機操作約 1 個月（約 720 小時）後，按每天工作 24 小時計算，過濾網清潔指示燈將會亮起。



拉出過濾網，以吸塵機或類似工具吸除灰塵。



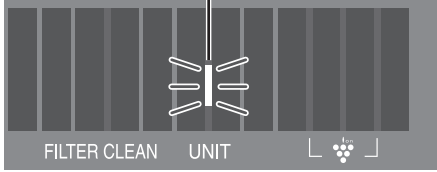
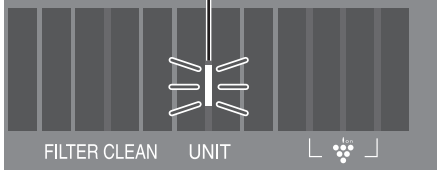
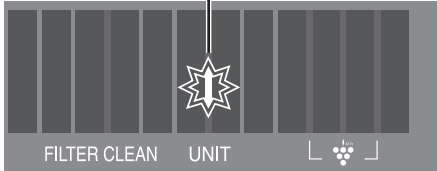
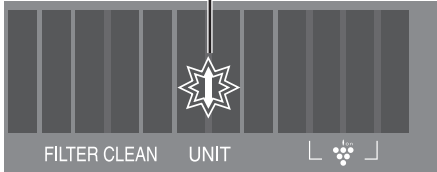
< 過濾網重設按鈕 >

清潔完畢後，觸按“過濾網重設按鈕”並保持 3 秒鐘，過濾網清潔指示燈將會熄滅。如果清潔完畢後，過濾網清潔指示燈沒有亮起，也請觸按“過濾網重設按鈕”並保持 3 秒鐘。



HD 離子產生器的更換

為穩定釋出離子簇，需要定期更換 HD 離子產生器。
更換指示燈將會點亮，以提示需要更換。

使用時間	顯示	資訊
開始使用	<p>亮燈（綠色）</p>  <p>FILTER CLEAN UNIT</p>	操作正常
大約 1 年 10 個月 (大約 16,000 小時)	<p>亮燈（橙色）</p>  <p>FILTER CLEAN UNIT</p>	接近 HD 離子產生器需要更換的時間。
大約 2 年 (大約 17,500 小時)	<p>閃爍（紅色）</p>  <p>FILTER CLEAN UNIT</p>	建議更換 HD 離子產生器
大約 2 年零 2 個月 (大約 19,000 小時)	<p>更快速地閃爍（紅色）</p>  <p>FILTER CLEAN UNIT</p>	<ul style="list-style-type: none"> • 停止操作 • 請更換 HD 離子產生器

* 使用環境會影響本機的使用壽命。
本機可能會在到達預計的使用壽命之前停止操作。
在這種情況下，請按下“操作 (Mode)”按鈕以重新啟動本機。
如果上述操作均無效，則應更換一個新的 HD 離子產生器。

更換 HD 離子產生器

< 廢棄處置 >

請嚴格遵循當地法律的相關規定對失效的 HD 離子產生器進行廢棄處置。

—材料—

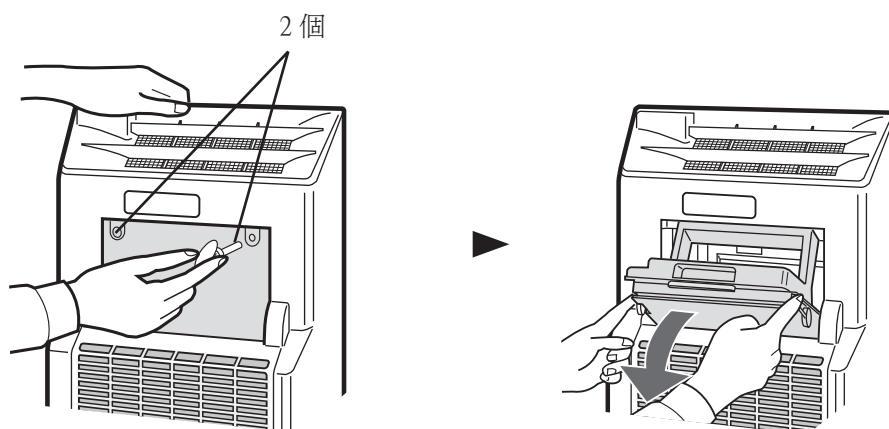
- 外殼：丙烯腈 - 丁二烯 - 苯乙烯共聚物 (ABS)
- 元件：聚對苯二甲酸乙二酯 (PBT)，電器零件

HD 離子產生器	
型號	IZ-CBL20E

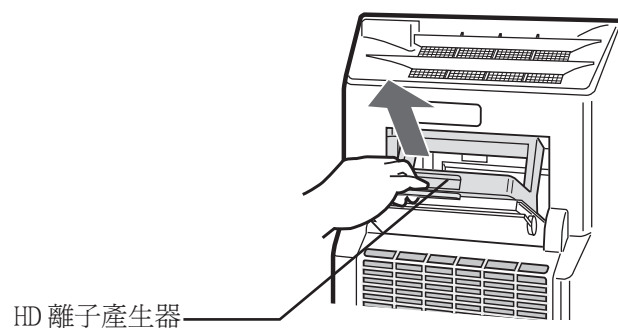
如何更換 HD 離子產生器

* 當更換 HD 離子產生器時，首先應確認已經關閉電源和拔除電源插頭，切勿以濕手拔插電源插頭。

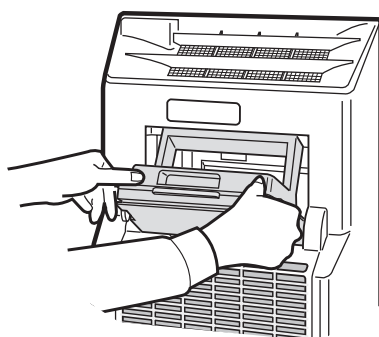
1 鬆開機身背面兩端的螺絲，即可打開 HD 離子產生器面蓋。



2 利用手柄取出 HD 離子產生器。



3 更換新的 HD 離子產生器。
將其安裝到主機內並按緊。
* 切勿碰觸 HD 離子產生器的連接器末端。



* 更換 HD 離子產生器更換完畢後，觸按“操作”按鈕。
在主機警告標籤上記錄更換日期。

規格

型號	IG-BL20A		
電源	220V, 50 Hz		
風速模式	高速	中速	低速
額定功率 (瓦)	13	8.5	5.5
噪音 (dBA)	42	36	28
空氣流量 (立方米 / 小時)	270	210	156
適用面積 (平方米) *1	20		
離子簇濃度 (顆 / 立方厘米) *2	25,000	12,000	7,000
電源線長度 (米)	1.8		
外形尺寸 (毫米)	392(闊)x500(高)x182(深)		
重量 (公斤)	5.8		

*1 當主機貼近牆壁放置並在風速設定為“高速 (HIGH)”模式下運行時，在房間中心點附近位置（距離地面高度大約 1.2 米）能夠測得本機釋放出的離子簇濃度在目標房屋面積中為每立方厘米 25,000 顆。

*2 當主機靠近牆壁放置時，在每個風速設定下，房間中央位置附近（距離地板大約 1.2 米高度）每立方厘米空氣中的離子簇數量。

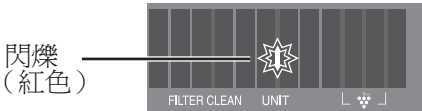

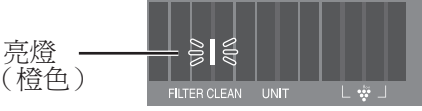

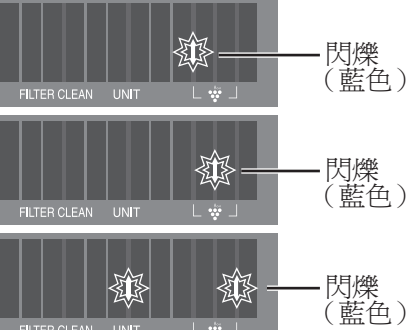
• 離子簇的數量會因房間狀況及主機運行模式的不同而異。

待機功率

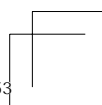
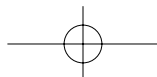
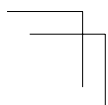
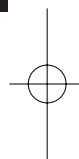
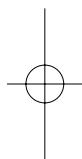
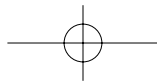
在電源插頭插入牆壁電源插座的情況下，為維持電路運作，本產品消耗的待機功率為大約 0.8 瓦。為節約能源，在主機停用時請拔除電源線。

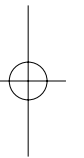
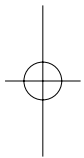
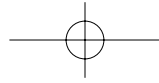
故障時的解決方法

在要求修理之前，請檢查下列症狀。因為有些問題可能不是本機故障而引致的。

症狀	處理方法
 <p>閃爍 (紅色)</p>	<ul style="list-style-type: none"> 需要更換 HD 離子產生器。請更換一個新的 HD 離子產生器。(參見 C-7)
 <p>閃爍 (紅色) 閃爍 (藍色)</p>	<ul style="list-style-type: none"> 不能釋出離子簇。過濾網可能被灰塵阻塞，請清潔過濾網。(參見 C-5) 如果指示燈仍然閃爍，請拔出插頭並聯絡您購買該產品的商店或聲寶服務中心。
 <p>亮燈 (橙色)</p>	<ul style="list-style-type: none"> 過濾網逐漸變髒。清洗過濾網。 過濾網清洗完畢後，觸按“過濾網重設”按鈕並保持 3 秒鐘。(參見 C-5)
 <p>閃爍 (藍色)</p>	<ul style="list-style-type: none"> 請確認已正確安裝 HD 離子產生器，觸按“操作”按鈕重新啟動。(參見 C-7)
 <p>閃爍 (藍色)</p> <p>閃爍 (藍色)</p> <p>閃爍 (藍色)</p>	<ul style="list-style-type: none"> 系統故障 拔出插頭並聯絡購買的經銷商或聲寶服務中心。

C-8





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