



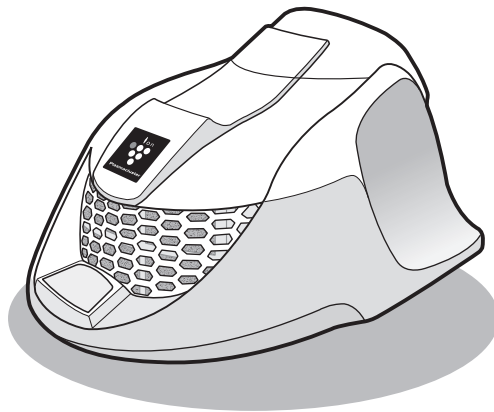
## Plasmacluster Ion Generator OPERATION MANUAL

ENGLISH

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Plasmacluster is a registered trademark or a trademark of Sharp Corporation.

# IG-CH2J





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- IG-CH2J decomposes and removes the bacteria attached to the helmet with the Plasmacluster Ion and controls the generation of odour, however, cannot remove the odour sinking into the helmet.
- IG-CH2J cannot create a completely sterile environment. SHARP does not guarantee its ability to prevent microbial infection.

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

Please read instructions carefully before using this unit as below.

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

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

- Use 220-240 volt outlet.
- Be sure to use the included AC adapter.
- Insert the AC adapter into the end of outlet surely.
- When you carry out the maintenance, be sure to pull out the AC adapter from the outlet.
- Periodically remove dust from the plug.
- When it thunders, stop the operation and pull out the AC adapter from the outlet.
- If a defect is generated (if you smell something burning), stop the operation and pull out the AC adapter from the outlet.
- DO NOT damage the cord. DO NOT process, forcibly bend, pull, or twist the cord. DO NOT place a heavy load on it or clip it.
- DO NOT remove the plug when your hands are wet.
- Many loads on the outlet is prohibited.
- DO NOT use the unit if the power cord or plug is damaged, or the connection to the wall outlet is loosened.
- When you pull out the AC adapter and the plug for connecting the main unit, do not pull the cord.
- When you carry the product, do not drop it or apply a shock to it.
- DO NOT drop drinkable water, cigarette ash, metals, or flammable item in the product from air outlet or suction port.
- 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 a Sharp Authorized Service Center should service this Plasmacluster Ion Generator. Contact the nearest Service Center for any problems, adjustments, or repairs.
- DO NOT use the unit near or on hot objects, such as stoves or heaters or where it may come into contact with steam.
- Remove drops of water on the helmet when it is has rained.
- DO NOT use the product in a place where the water is poured or the humidity level is high.
- DO NOT use the product at the place where is subjected to direct sunlight.
- Children should be supervised to ensure that they do not play with the appliance.
- DO NOT use the unit near gas appliances or fireplaces.
- 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.

**CAUTIONS CONCERNING OPERATION:**

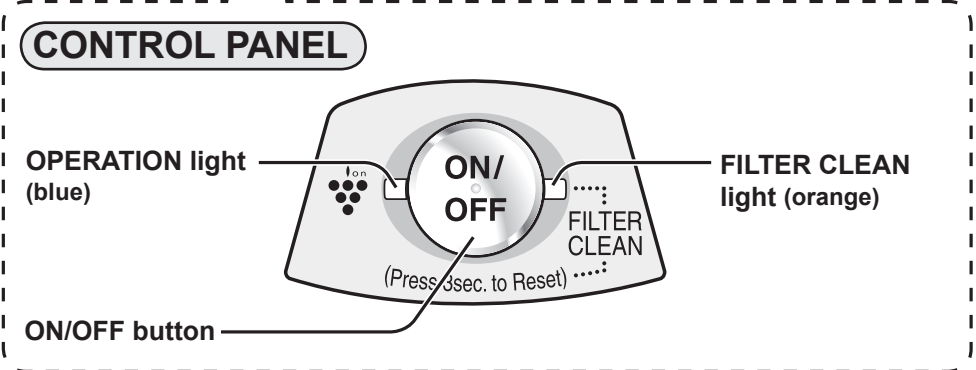
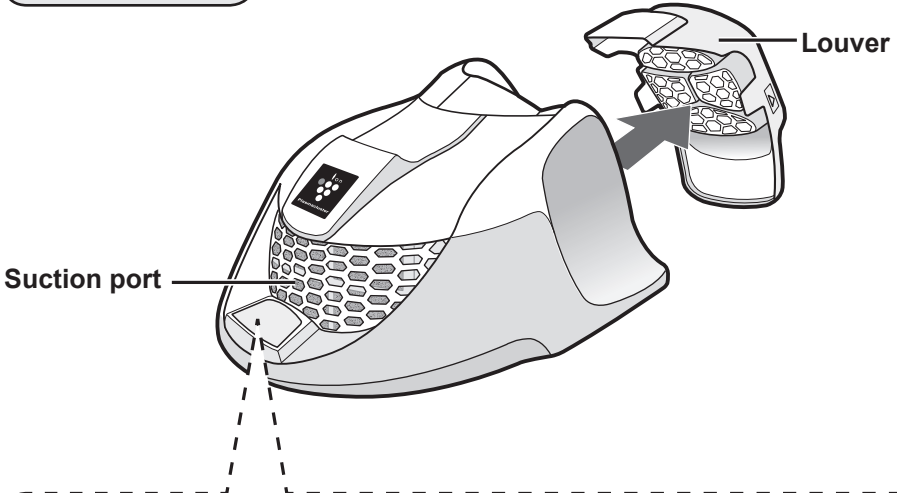
- Do not ride the main unit and do not sit on or lean it, it may cause injury or malfunction.
  - DO NOT block the air intake and/or air outlet.
  - DO NOT use the unit near or on hot objects, such as stoves or heaters or where it may come into contact with steam.
  - Be cautious when cleaning the unit.  
Strong corrosive cleansers may damage the exterior.
  - Do not use items of silicone-containing products\* near the unit.  
The fluororesin or silicone could get stuck inside the unit, preventing it from producing plasmacluster ions.  
If this happens, remove dust from the needle electrode of the Plasmacluster Ion Generating Unit. (See E-10)
- \* Hair care products (split end coatings, hair mousses, hair treatments, etc.), cosmetics, antiperspirants, antistatic agents, waterproofing sprays, polishes, glass cleaners, chemical absorbed clothes, wax, etc.

**INSTALLATION GUIDELINES:**

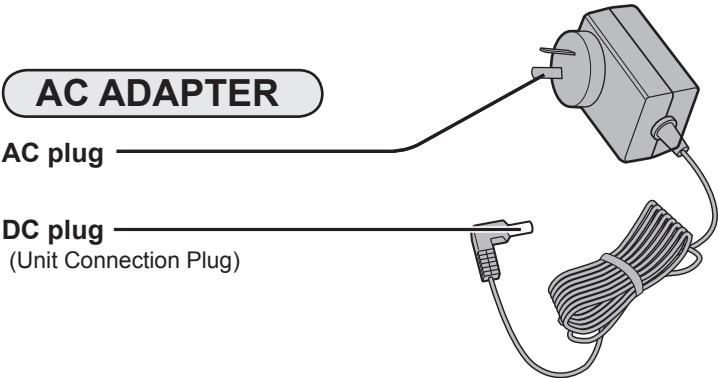
- Avoid using in locations where the unit is exposed to condensation or drastic temperature changes. Appropriate room temperature is between 0-40°C.
- Avoid locations where grease or oily smoke is generated, otherwise the main unit surface may crack as a result.

# PARTS NAME

## MAIN UNIT



## AC ADAPTER



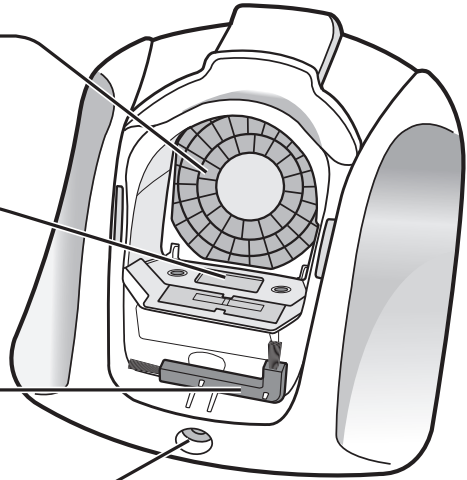
**BACK**

Air outlet

Plasmacluster Ion Generating Unit

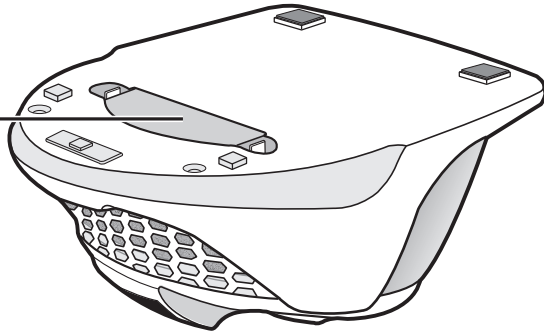
Cleaning brush

DC jack



**REAR**

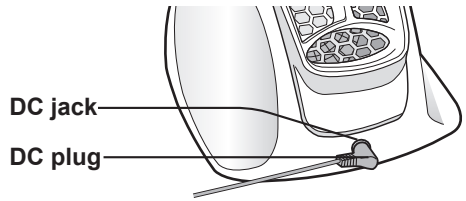
Filter



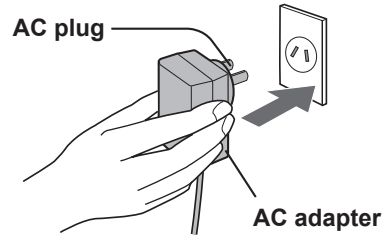
# INSTALLATION GUIDE

## Connection of AC adapter and installation of main unit

**1** Insert the DC plug of AC adapter in the DC jack of the main unit.



**2** Insert the AC plug of AC adapter in the outlet.



**3** Place the main unit at the level place in the room.

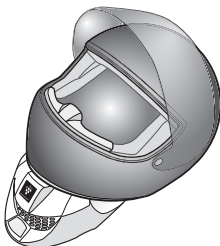
### Precautions on installation

- Be sure to place the product on a stable surface.
- Do not block the suction port and the air outlet.
- If the Plasmacluster Ion Generator causes interference to radio or television reception, try to correct the interference by one or more of the following measures:
  - Adjust or relocate the receiving antenna.
  - Increase the distance between the product 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.

## HOW TO SET UP HELMET ON PCI UNIT

- Be sure to turn up the shield to have circulation of air.
- Wipe helmet of any water droplets if any.

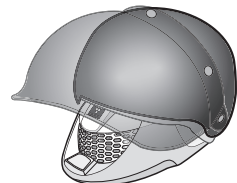
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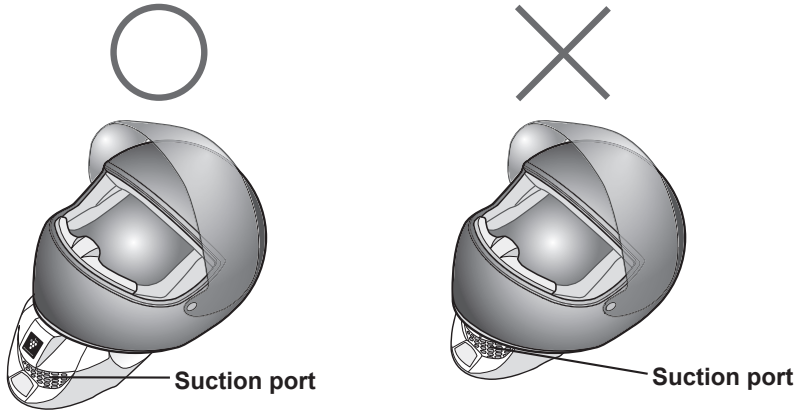
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E-6



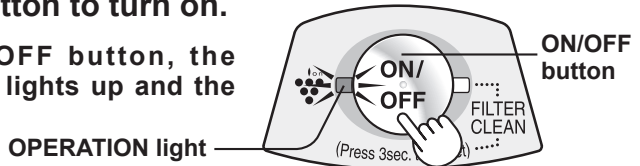
Do not block the suction port when setting the helmet.



## OPERATION

Press the ON/OFF button to turn on.

If you press the ON/OFF button, the OPERATION light (blue) lights up and the operation is started.

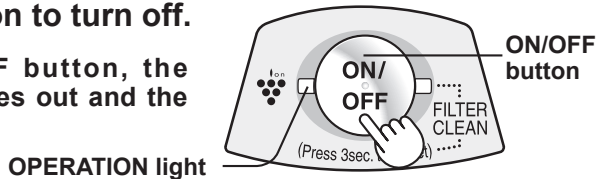


In order to obtain the effect of Plasmacluster ion, operate the product for 8 hours\* or more.

\* Varies depending on the condition of the helmet. If you cannot feel the effect after the product is operated for 8 hours or more, operate it continuously.

Press the ON/OFF button to turn off.

If you press the ON/OFF button, the OPERATION light (blue) goes out and the operation is stopped.



If the odour cannot be removed sufficiently after the product is operated for 8 hours or more, the helmet may absorb the odour. Use IG-CH2J after removing the absorbed odour by cleaning service. Then, newly attached bacteria is removed and the odour is not generated easily.

# CLEANING AND MAINTENANCE

At the cleaning or maintenance, stop the operation and pull out the plug of AC adapter for connecting the main unit.

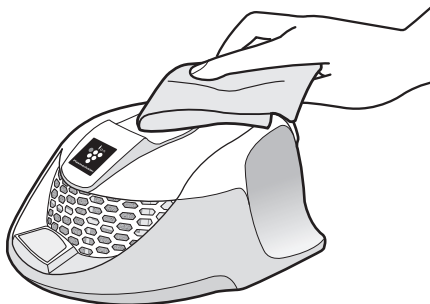
## CABINET

At least once a month

Wipe off the taint with a soft cloth.

### <For Stubborn Dirt>

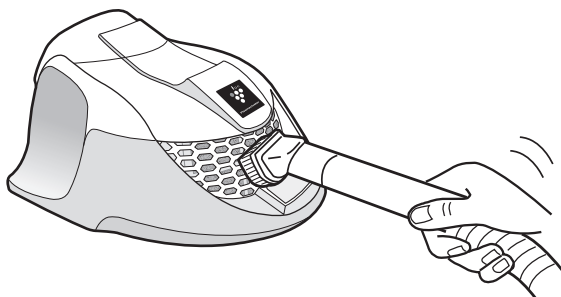
Using clean soapy water, wipe off the cleaning substance completely.



## GRILL

At least once a week

Remove the dust with a vacuum cleaner.



## FILTER

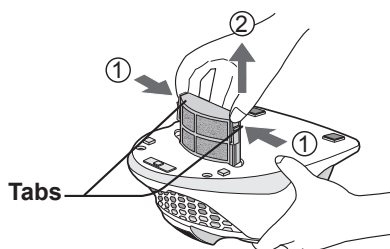
If the FILTER CLEAN light is (orange)

Even if the FILTER CLEAN light (orange) does not light, it is recommended to carry out the cleaning once a week.

### 1 Remove the filter.

The filter is attached to the rear of the main unit.

Clip the tabs on both sides of the filter and pull it out.



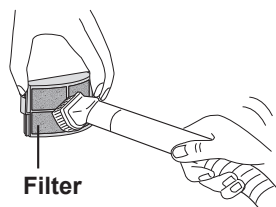
### 2 Clean up the filter.

Gently remove the dust attached to the filter with a vacuum cleaner.

Do not press the filter with force with a vacuum cleaner. Otherwise, it is damaged.

**<For Stubborn Dirt>**

Remove and rinse in water. (Use a soft sponge if the dirt does not come off easily.) And dry it at the sun shadow place.



### 3 Set the filter on the main unit.

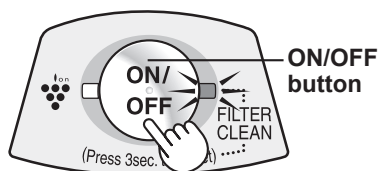
Insert the filter until the stopper of tab is inserted into the main unit firmly.



**Do not operate the product while the filter is removed.  
The dust comes in the main unit and it may cause a failure.**

### 4 Press the ON/OFF button for 3 seconds.

The FILTER CLEAN light flashes twice and goes off. Even if the FILTER CLEAN light is off, press ON/OFF button for 3 seconds after cleaning.

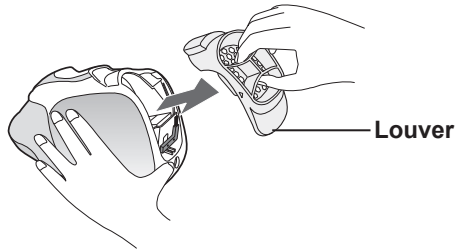


# PLASMACLUSTER ION GENERATING UNIT

It is recommended to carry out the cleaning once every 6 months.

## 1 Remove the louver.

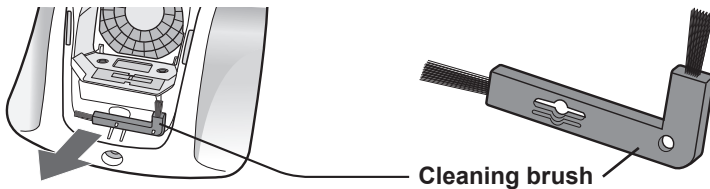
Hold the main unit with a hand and then pull out the louver.



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## 2 Remove the cleaning brush.

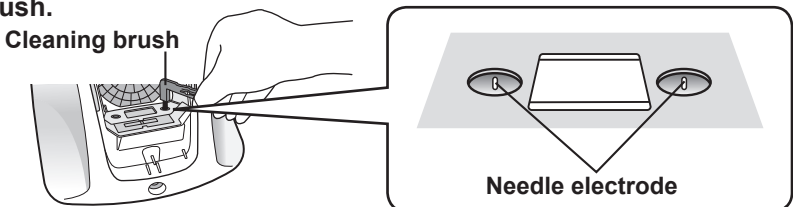
Remove the cleaning brush attached to the main unit.



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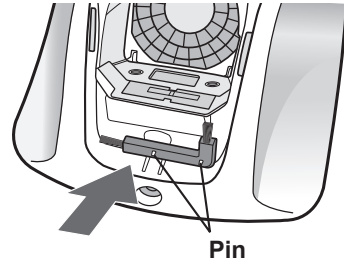
## 3 Clean up the needle electrode of the Plasmacluster Ion Generating Unit.

Remove the dust from the needle electrode with using the cleaning brush.



## 4 Attach the cleaning brush.

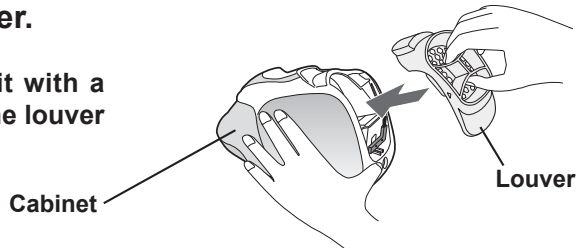
Attach the cleaning brush to the pin of the cabinet.



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## 5 Attach the louver.

Hold the main unit with a hand and attach the louver to the cabinet.



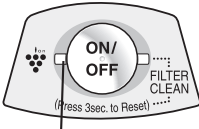
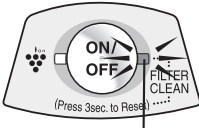
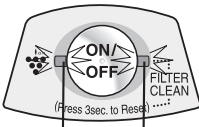
**Do not operate the product while the louver is removed. The strip of the helmet or other item touches the electrode of the Plasmacluster Ion Generating Unit and it may cause a failure.**

# SPECIFICATIONS

<b>Model</b>	IG-CH2J
<b>Power supply</b>	AC adapter
<b>Rated input</b>	AC220V-240V • 50/60Hz • 0.3A
<b>Rated output</b>	DC12V • 1A
<b>Power consumption (W)</b>	3
<b>Outer dimensions (mm)</b>	165 (W) × 233 (D) × 121 (H) (Not including AC adapter)
<b>Power cord length (m) (AC adapter)</b>	1.8
<b>Weight (kg)</b>	0.57 (Not including AC adapter)

**ACCESSORIES** AC Adapter / Operation manual

# TROUBLESHOOTING

Problem	WHAT TO DO
<ul style="list-style-type: none"> <li>The <b>OPERATION</b> light (blue) does not light up. (The Plasmacluster Ion Generator does not work.)</li> </ul>  <p><b>OPERATION</b> light</p>	<ul style="list-style-type: none"> <li>Is the AC adapter installed correctly? Connect correctly. (See page E-6)</li> </ul>
<ul style="list-style-type: none"> <li>The <b>FILTER CLEAN</b> light (orange) is lighting.</li> </ul>  <p><b>FILTER CLEAN</b> light</p>	<ul style="list-style-type: none"> <li>Filter is getting dirty. Clean the filter. (See E-9) After cleaning the filter, press ON/OFF button for 3 seconds.</li> </ul>
<ul style="list-style-type: none"> <li>The <b>OPERATION</b> light (blue) and the <b>FILTER CLEAN</b> light (orange) are flashing.</li> </ul>  <p><b>OPERATION</b> light <b>FILTER CLEAN</b> light</p>	<ul style="list-style-type: none"> <li>Failure Unplug the AC adapter and contact the store you purchased or Sharp Authorized Service Center.</li> </ul>

# SHARP

## WARRANTY

### *Consumer Electronic Products*

#### **Congratulations on Your Purchase!**

This Sharp product is warranted against faults in material and manufacture for the period as stated in the table below.

If service is required during the warranty period, please contact your nearest Sharp Approved Service Centre. These repairs would be carried out at no charge to the owner, subject to the conditions specified herein.

This warranty does not extend to defects or injuries caused by or resulting from causes not attributable to faulty parts or the manufacture of the product, including but not limited to, defect or injury caused by or resulting from misuse, abuse, neglect, lack of maintenance, accidental damage, improper voltage, liquid spillage, vermin infestation, software, or any alterations made to the product which are not authorised by Sharp.

Please retain your sales documentation, as this should be produced to validate a warranty claim. This warranty is in addition to and in no way limits, varies or excludes any implied rights and remedies under any relevant legislation in the country of sale.

This warranty does not cover transportation to and from the Sharp Approved Service Centre. Goods presented for repair may be replaced by refurbished goods of the same type rather than being repaired. Refurbished parts may be used to repair the goods. The repair of your goods may result in the loss of user generated data, please ensure that you have saved this data elsewhere prior to repair.

Australian customers: Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. The criteria of a major failure is defined in the Australian Consumer Law. Should you require any assistance with a major failure please contact Sharp Customer Care.

#### **WARRANTY PERIODS**

Home Theatre Projector	12 months	(excluding lamps and air filters)
Audio/Home Theatre	12 months	
Microwave Oven	12 months	
Steam Oven	12 months	
Refrigerator	24 months	
DVD/Blu-ray	12 months	
Air Conditioner	60 months	
Portable Air Conditioner	12 months	
LCD Television	36 months	
Air Purifier	12 months	

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59 Hugo Johnston Drive  
Penrose, Auckland

SPform 040 (AUGUST 2011)

**IMPORTANT NOTICE: This warranty applies only to products sold in Australia & New Zealand**



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(LOCAL CALL COSTS APPLY WITHIN AUSTRALIA)

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