

SHARP IG-HC15-B

SHARP Plasmacluster Ion Generator IG-HC15-B Instruction Manual

Model: IG-HC15-B

1. INTRODUCTION

Thank you for purchasing the SHARP Plasmacluster Ion Generator IG-HC15-B. This device is designed to improve the air quality in your vehicle by generating high-density Plasmacluster 25000 ions. It effectively reduces odors, collects pollen, and fine dust particles, providing a more comfortable environment. Please read this manual thoroughly before use to ensure proper operation and maintenance.

2. SAFETY PRECAUTIONS

To prevent injury to yourself and others, or damage to the product, always observe the following safety precautions:

- Do not disassemble, repair, or modify the unit. This may cause electric shock, fire, or malfunction.
- Do not allow water or any liquids to enter the unit. This may cause electric shock or fire.
- Use only the provided USB car adapter and USB cable. Using incompatible power sources may cause fire or damage.
- Ensure the unit is securely placed in a cup holder and does not obstruct the driver's view or interfere with driving operations.
- Keep the air inlet and outlet clear of obstructions. Blocked airflow can reduce performance or cause overheating.
- Do not use the unit in extremely hot or humid environments, or where flammable gases are present.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- SHARP Plasmacluster Ion Generator (Main Unit)

- USB Car Adapter
- USB Cable (approx. 1.5m)
- Unit Cleaning Brush

4. PRODUCT OVERVIEW

The SHARP Plasmacluster Ion Generator IG-HC15-B is designed to fit conveniently into your vehicle's cup holder. It features a sleek black design and intuitive controls.





Image 1: Front view of the SHARP Plasmacluster Ion Generator IG-HC15-B, showing the main unit with its cup holder design and USB cable connection.

Key Components:

- **Air Outlet:** Where purified air and Plasmacluster ions are released.
- **Control Panel:** Features large buttons for easy operation (Power, Mode selection).
- **Air Inlet:** Located at the bottom, draws in ambient air.
- **USB Port:** For power connection.

5. SETUP

Follow these steps to set up your Plasmacluster Ion Generator:

1. **Place the Unit:** Insert the main unit firmly into a vehicle cup holder. Ensure it is stable and does not wobble during driving.
2. **Connect USB Cable:** Connect one end of the provided USB cable to the USB port on the bottom of the ion generator.
3. **Connect to Power:** Plug the other end of the USB cable into the provided USB car adapter. Then, insert the USB car adapter into your vehicle's 12V accessory power outlet (cigarette lighter socket).



Image 2: The included USB car adapter, used to power the unit from your vehicle's accessory outlet.

6. OPERATING INSTRUCTIONS

The unit is designed for simple operation with large, easy-to-press buttons.

Power On/Off:

- To turn on the unit, press the **Power** button. The unit will start in the default operating mode.
- To turn off the unit, press the **Power** button again.

Operating Modes:

Press the **Mode** button to cycle through the available operating modes:

- **Standard Mode:** Provides balanced air purification and ion generation for everyday use.
- **Turbo Mode:** Activates high-speed operation for approximately double the deodorization speed. Ideal for quickly removing strong odors.
- **Silent Mode:** Operates at a reduced fan speed for quieter performance, suitable for use in a quiet vehicle environment. The operating noise level is approximately 36dB in this mode.

Airflow Angle Adjustment:

The unit features a 2-stage switching mechanism for adjusting the blowing angle of the airflow. Manually adjust the top part of the unit to direct the airflow as desired.

7. MAINTENANCE

Regular cleaning ensures optimal performance and extends the lifespan of your ion generator.

Cleaning the Main Unit:

- Before cleaning, ensure the unit is powered off and disconnected from the power source.
- Wipe the exterior of the unit with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Use the provided unit cleaning brush to gently remove dust and debris from the air inlet and outlet grilles.

Cleaning the Ion Generating Unit:

The ion generating unit requires periodic cleaning to maintain ion generation efficiency. Refer to the detailed instructions in the full product manual for specific steps on how to access and clean this component using the cleaning brush.

8. TROUBLESHOOTING

If you encounter any issues with your ion generator, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on.	No power supply or loose connection.	Check if the USB cable is securely connected to both the unit and the USB car adapter. Ensure the car adapter is properly inserted into the vehicle's power outlet and the vehicle's power outlet is functional.
Weak or no airflow.	Air inlet/outlet blocked by dust or foreign objects.	Turn off and unplug the unit. Use the cleaning brush to clear any obstructions from the air inlet and outlet.
Unusual noise during operation.	Foreign object inside the unit or unstable placement.	Turn off and unplug the unit. Check for any foreign objects near the fan or air inlets. Ensure the unit is placed stably in the cup holder.

Problem	Possible Cause	Solution
Odor reduction is not effective.	Ion generating unit is dirty or operating mode is not optimal.	Clean the ion generating unit as per maintenance instructions. Try using the Turbo Mode for stronger odor removal.

9. SPECIFICATIONS

Technical specifications for the SHARP Plasmacluster Ion Generator IG-HC15-B:



Image 3: Diagram showing the dimensions of the SHARP Plasmacluster Ion Generator, approximately 17 cm (6.7 inches) in height.

Feature	Detail
Model Number	IG-HC15-B
Dimensions (Diameter x Height)	7.4 cm x 16.2 cm (approx. 2.9 x 6.4 inches)
Item Weight	0.26 kg (approx. 0.57 lbs)
Power Source	Car Adapter (USB 5V)
Power Consumption (Max)	Approx. 1.9W
Operating Noise (Max)	Approx. 36dB
Power Cord Length	Approx. 1.5m
Included Accessories	USB Car Adapter, USB Cable, Unit Cleaning Brush

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact SHARP customer service or visit the official SHARP website. Keep your purchase receipt as proof of purchase for warranty claims.

Official SHARP Website: <https://global.sharp/>