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› Sharp Plasmacluster Ion Generator for Car, Cup Type, High Concentration NEXT(50000) Deodorizer, Model IG-MX15-W
Instruction Manual

Sharp IG-MX15-W

Sharp Plasmacluster Ion Generator IG-MX15-W Instruction Manual

Model: IG-MX15-W

1. INTRODUCTION AND OVERVIEW

The Sharp Plasmacluster Ion Generator IG-MX15-W is a cup-type device designed to improve air quality in vehicles and other small spaces. It utilizes Plasmacluster NEXT technology to generate positive and negative ions, similar to those found in nature, to effectively deodorize and purify the air.

This device is equipped with Plasmacluster NEXT technology, which offers an approximately 20% increase in ion concentration compared to previous models. This enhancement leads to improved deodorizing performance and additional benefits for a more comfortable environment.

イオン発生機初! プラズマクラスターNEXT搭載モデル

イオン濃度が約20%アップしたことにより※1、消臭効果の向上に加え、新たな効果を実証しました。



※1 当社プラズマクラスター搭載商品において。※2 風量「ターボプラス」のイオン濃度と、2019年製イオン発生機(IG-LC15)の風量「ターボ」のイオン濃度(25,000個/cm³以上)との比較。

Image 1.1: The Sharp Plasmacluster NEXT Ion Generator, highlighting its advanced ion generation technology.



Image 1.2: Illustration of Plasmacluster technology generating positive hydrogen ions (H+) and negative oxygen ions (O₂⁻), mirroring natural ion composition.

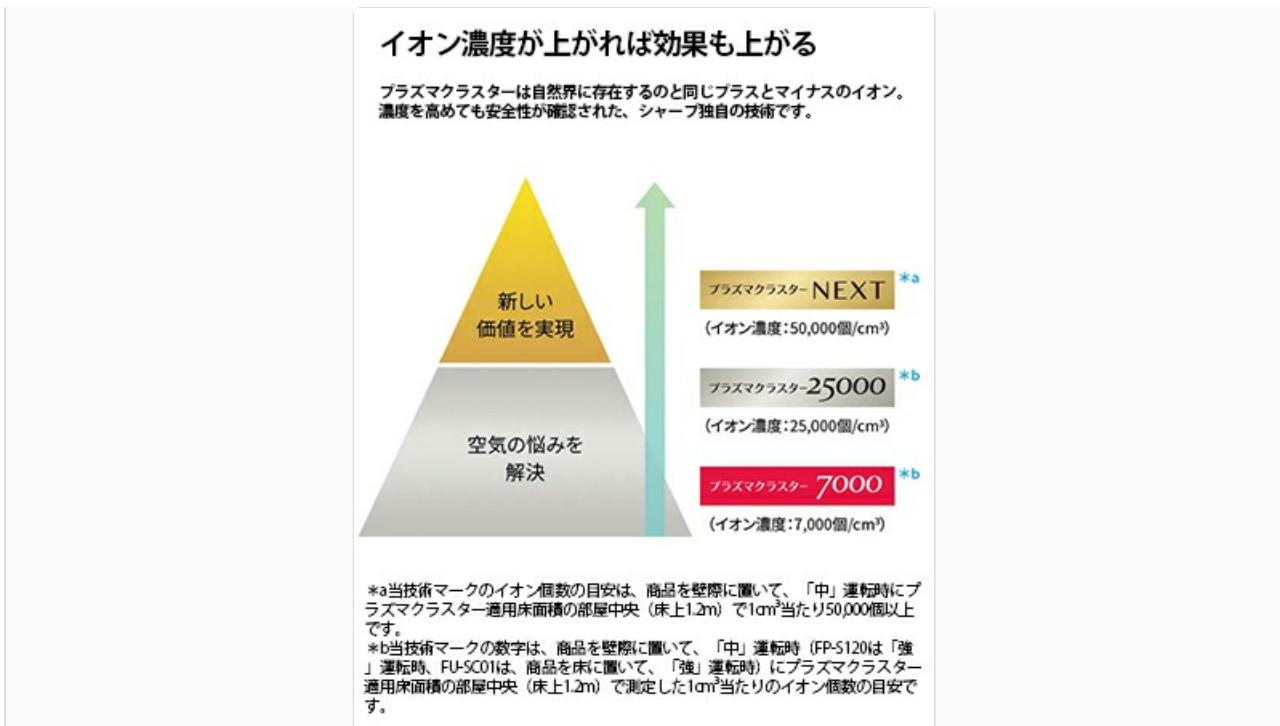


Image 1.3: Diagram illustrating the different levels of Plasmacluster ion concentration, with NEXT (50,000 ions/cm³) offering the highest density for enhanced effects.

2. SETUP

2.1 Package Contents

Before setup, ensure all items are present:

- Plasmacluster Ion Generator (Main Unit)
- USB Car Adapter
- USB Cable
- Unit Cleaning Brush

2.2 Power Connection

The unit is powered via USB. Use the included USB cable and car adapter for in-vehicle use, or a commercially available mobile battery for use in other locations without a power outlet.

1. Insert the USB car adapter into your vehicle's cigarette lighter socket.
2. Connect one end of the USB cable to the USB car adapter (or a mobile battery/USB power source).
3. Connect the other end of the USB cable to the power input port on the Plasmacluster Ion Generator.

USB接続対応

付属のUSBケーブルで本機に電源を供給できるので、
市販のモバイルバッテリーを使えば
コンセントのない場所でもご利用いただけます。※



●モバイルバッテリーはPSEマークの表示がある製品をご使用ください。●モバイルバッテリーの取扱説明書をご覧頂き、使用する場所や環境を守ってご使用ください。※モバイルバッテリーの容量5000mAh(定格:5V 2.4A)の時、「ターボプラス」運転で約12時間使用することができます。(モバイルバッテリーの使用状況や商品の使用状況によって動作可能な時間は異なります。)

Image 2.1: The device connected via USB, demonstrating its compatibility with various USB power sources for flexible use.

2ポートUSBカーアダプター同梱

2ポートUSBカーアダプターを同梱。本機を使用しながら同時にスマートフォンを充電することができます。※



※カーアダプターにプラズマクラスターイオン発生機が接続されているとき、もう一方の接続口には1.5A以下の機器を接続することができます。

Image 2.2: The included 2-port USB car adapter, allowing simultaneous charging of a smartphone while the ion generator is in use.

2.3 Placement

Place the unit securely in a cup holder within your vehicle. Ensure it is stable and does not obstruct driving controls or airbags.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off and Mode Selection

Once connected to power, the unit can be operated via its touch controls. Refer to the control panel on the top of the unit for power and mode adjustments.

3.2 Deodorization Modes

The device is designed to target and reduce six common types of odors in the car:

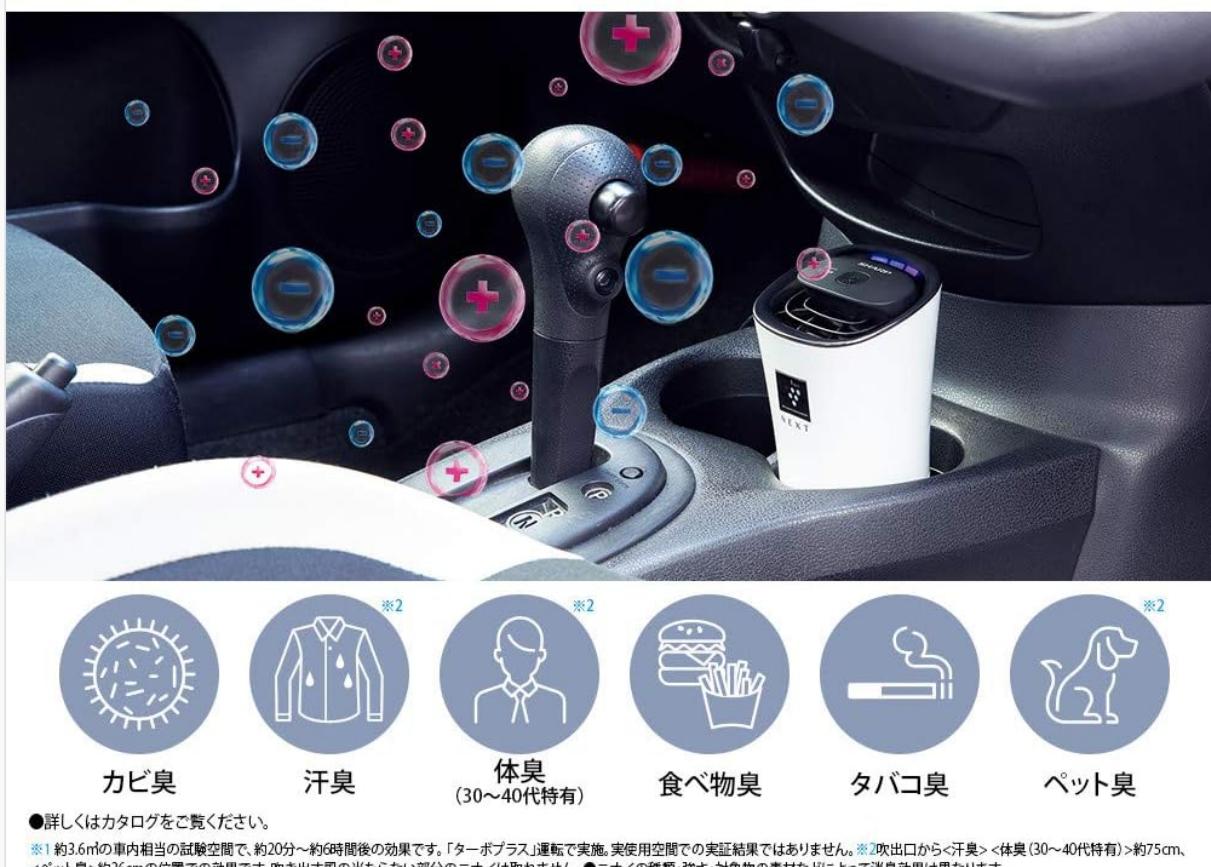
- Mold odor
- Sweat odor
- Body odor
- Food odor
- Tobacco odor

- Pet odor

The unit features an "Omakase operation" (automatic/optimized operation) that initially releases concentrated Plasmacluster ions for approximately 25 minutes for rapid deodorization. Following this, it switches to a "medium" operation mode to maintain a comfortable and clean air environment.

車内の「6大付着臭」を消臭^{※1}

クルマの中で気になる6種類のニオイに効果を発揮。



●詳しくはカタログをご覧ください。

※1 約3.6m³の車内相当の試験空間で、約20分～約6時間後の効果です。「ターボプラス」運転で実施。実使用空間での実証結果ではありません。※2 吹出口から<汗臭><体臭(30～40代特有)>約75cm、<ペット臭>約36cmの位置での効果です。吹き出す風の当たらない部分のニオイは取れません。●ニオイの種類・強さ・対象物の素材などによって消臭効果は異なります。

Image 3.1: Visual representation of the Plasmacluster ions neutralizing six common odors found in vehicle interiors.

3.3 Engine-Linked Operation

The device supports engine-linked operation. When the car engine is turned off, the ion generator will stop. When the car engine is restarted, the ion generator will automatically resume operation in the same mode it was in before stopping.

エンジン連動で、空気整う エンジンONで、プラズマクラスターもON



Image 3.2: Illustration of the engine-linked operation, where the Plasmacluster unit automatically turns on and off with the vehicle's engine.

3.4 Creating a Comfortable Driving Environment

The Plasmacluster technology helps create an environment that supports maintaining concentration and reduces stress, contributing to a more relaxed driving experience.

運転操作に 余裕ができる 環境をつくる

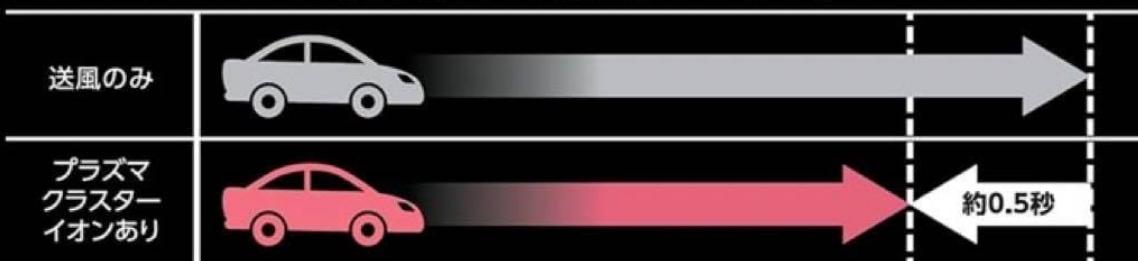
集中力を維持しやすく、ストレスがたまりにくい。
落ち着ける運転環境づくりをサポート。

集中力が維持しやすい

ストレスがたまりにくい

約3.6m³の車内空間でイオン発生機を運転手に向けて設置して、「ターボプラス」運転時
(プラズマクラスターイオンあり、もしくは送風のみ)の運転手に対する約90分間の試験で確認した効果です。

■ブレーキを踏むまでの反応時間 (当社試験条件による一例です)



プラズマクラスター技術を用いたドライビングシミュレーターによる実証結果であり、実使用空間での実証結果ではありません。イオン濃度が同等であれば同様の効果が得られると考えられます。使用場所の状況、使いかた、個人によって効果は異なります。

Image 3.3: Depiction of the ion generator contributing to a more comfortable and less stressful driving environment, aiding concentration.

4. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Plasmacluster Ion Generator.

4.1 Unit Cleaning

Use the included unit cleaning brush to regularly clean the ion outlet and air intake vents. Dust and debris can accumulate, affecting performance. Ensure the unit is powered off and disconnected before cleaning.

4.2 Filter Maintenance

The unit contains a pollen catch filter. Periodically check and clean this filter to maintain air purification efficiency. The frequency of cleaning depends on usage and environmental conditions.

4.3 Ion Generating Unit Replacement

The ion generating unit (electrode) is a consumable part. Its lifespan is approximately 17,500 hours (about 2 years of continuous 24-hour use). For optimal performance, it is recommended to replace the ion generating unit every 6 months, especially with frequent use. Replacement parts can be purchased separately from authorized retailers.

5. TROUBLESHOOTING

If you experience issues with your Plasmacluster Ion Generator, please refer to the following common troubleshooting steps:

- **Unit does not power on:** Check if the USB cable is securely connected to both the unit and the power source. Ensure the power source (car adapter, mobile battery) is functioning correctly.
- **Weak airflow or reduced deodorization:** Clean the air intake vents and the ion outlet using the provided brush. Check and clean the pollen catch filter. Accumulated dust can restrict airflow and ion generation.
- **Unusual noise:** Ensure the unit is placed stably in the cup holder and not vibrating against other objects. If the noise persists after checking placement and cleaning, contact customer support.

If the problem persists after attempting these steps, please contact Sharp customer support for further assistance.

6. SPECIFICATIONS

Feature	Specification
Model Number	IG-MX15-W
Color	White
Brand	Sharp
Power Source	Car adapter (USB powered)
Plasmacluster Technology	NEXT (50,000 ions/cm ³)
Filter Type	Pollen Catch Filter
Control Method	Touch
Product Dimensions (W x D x H)	7.8 x 7.6 x 16.5 cm
Product Weight	430 g
Material	Plastic
Accessories	USB Car Adapter, USB Cable, Unit Cleaning Brush



Image 6.1: Product dimensions for the Sharp Plasmacluster Ion Generator, showing height, width, and depth.

7. WARRANTY AND SUPPORT

For warranty information, product support, or to purchase replacement parts, please refer to the official Sharp website or contact Sharp customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

Official Sharp Website: jp.sharp