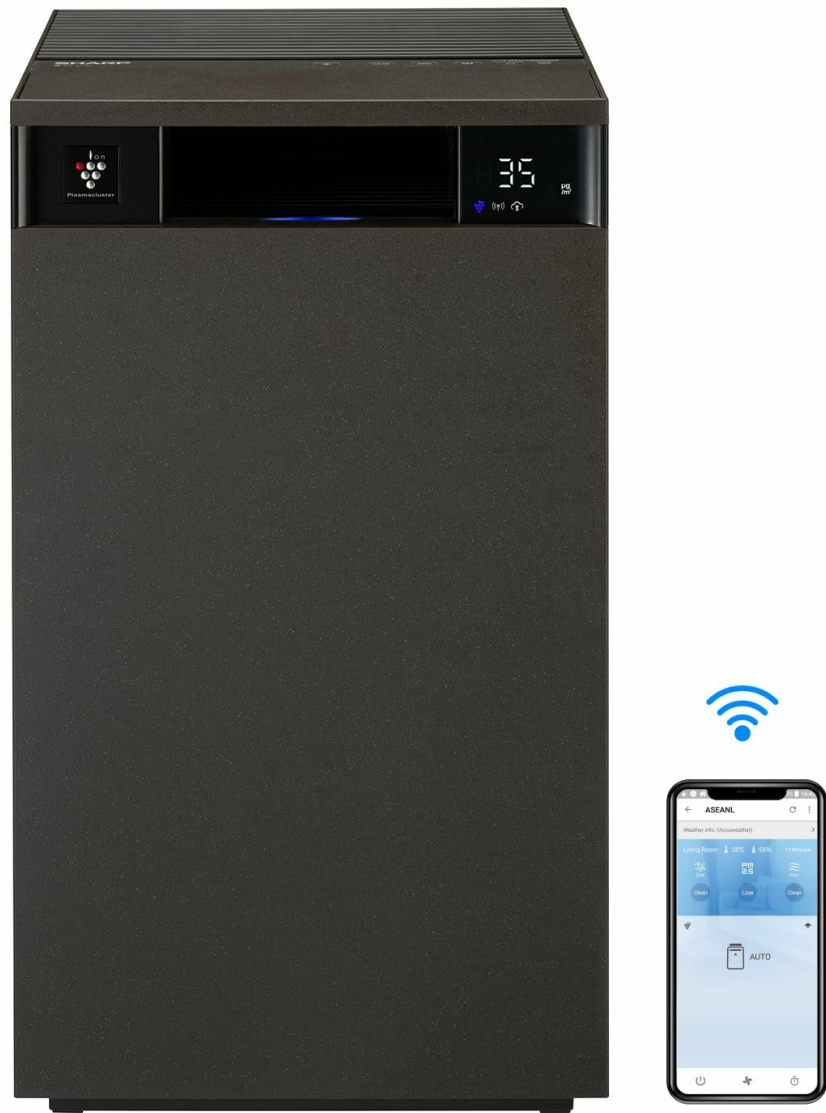**SHARP FX-S120M-H**

SHARP Air Purifier FX-S120M-H User Manual

1. INTRODUCTION

Welcome to your new SHARP Air Purifier FX-S120M-H. This manual provides essential information for the safe and efficient operation of your device. Please read it thoroughly before use.

This air purifier is designed for home and office environments, covering an area of 930 sq ft. It features Wi-Fi connectivity, remote operation, and real-time air quality monitoring.

Front view of the SHARP FX-S120M-H Air Purifier, showcasing its sleek design and digital display. A smartphone screen next to it illustrates the Wi-Fi remote control functionality.

The SHARP FX-S120M-H Air Purifier in a living room setting, demonstrating its 930 sq ft coverage and the release of purified air. The image highlights its AIoT capabilities.

2. SETUP INSTRUCTIONS

2.1 Unpacking

Remove all packaging materials. Ensure all components are present: the main unit, filters (pre-installed), and the power cord.

2.2 Placement

Place the air purifier on a flat, stable surface. Ensure adequate space around the unit for optimal airflow (at least 20 cm from walls or furniture).

Designed to fit inside your
Plush interiors

The SHARP FX-S120M-H Air Purifier is designed to blend seamlessly into various interior settings.

2.3 Power Connection

Connect the power cord to the unit and then to a suitable electrical outlet.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off

Press the power button on the unit or use the mobile application to turn the air purifier on or off.

3.2 Wi-Fi Connectivity and Remote Operation

The FX-S120M-H features Wi-Fi connectivity for remote control. Download the dedicated SHARP mobile application (available for iOS and Android devices). Follow the in-app instructions to connect your air purifier to your home Wi-Fi network.

Once connected, you can control the unit, monitor air quality, and check filter life from your smartphone.

Your browser does not support the video tag.

This video demonstrates the SHARP Air Purifier's smart features, including AIoT connectivity, remote control via a smartphone app, and real-time air quality monitoring. It shows how the device integrates seamlessly into a modern living

COANDA Air Flow
Covers entire room for pure air

Illustration of the AIoT features, showing how users can connect to smart devices, track air quality, monitor filter life, and view air conditions (PM2.5, TVOC) via the mobile application.
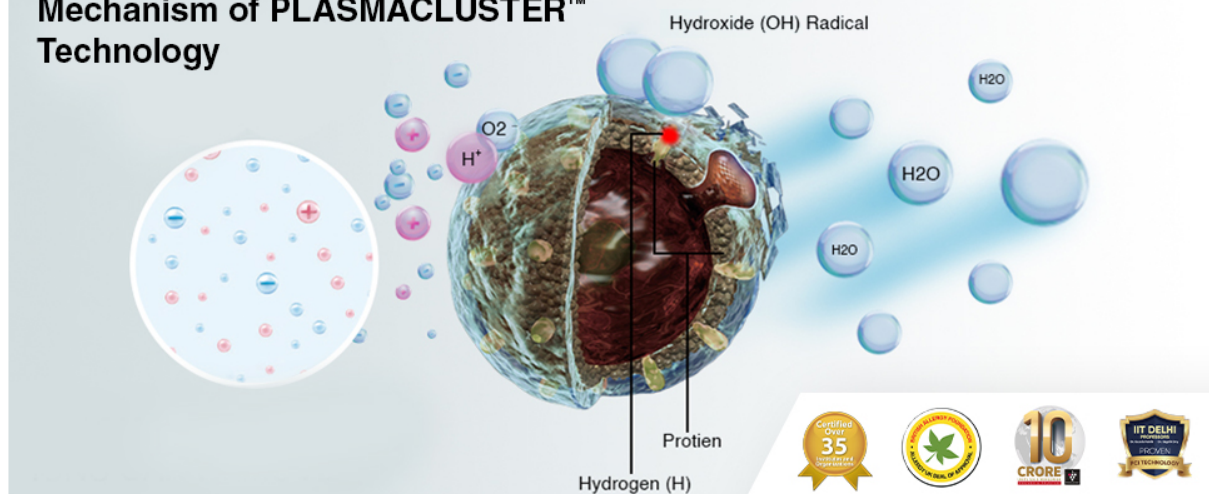
3.3 Automatic Operation (Auto Mode)

In Auto Mode, the fan speed adjusts automatically based on real-time PM 2.5 levels, temperature, humidity, and detected dust, odor, or light conditions.

3.4 Clean Ion Shower Mode

Activate Clean Ion Shower Mode for intensive air purification. This mode generates a strong airflow to collect dust and reduce static electricity for 10 minutes. Subsequently, the dust sensor sensitivity increases, and the unit powerfully cleans the air for 50 minutes.

Overview of the air purifier's core technologies: Dual Filter, Wi-Fi Connectivity, AIoT Function, 6 Smart Sensors, Double-sided Suction, and Coanda Airflow.

4. FEATURES AND TECHNOLOGY

4.1 Dual Purification System

The air purifier utilizes a dual purification system combining Plasmacluster Ions and a multi-stage filter system.

Plasmacluster Ions: This technology generates positive and negative ions that actively seek out and neutralize airborne pollutants such as viruses, bacteria, mold, allergens, and odors.
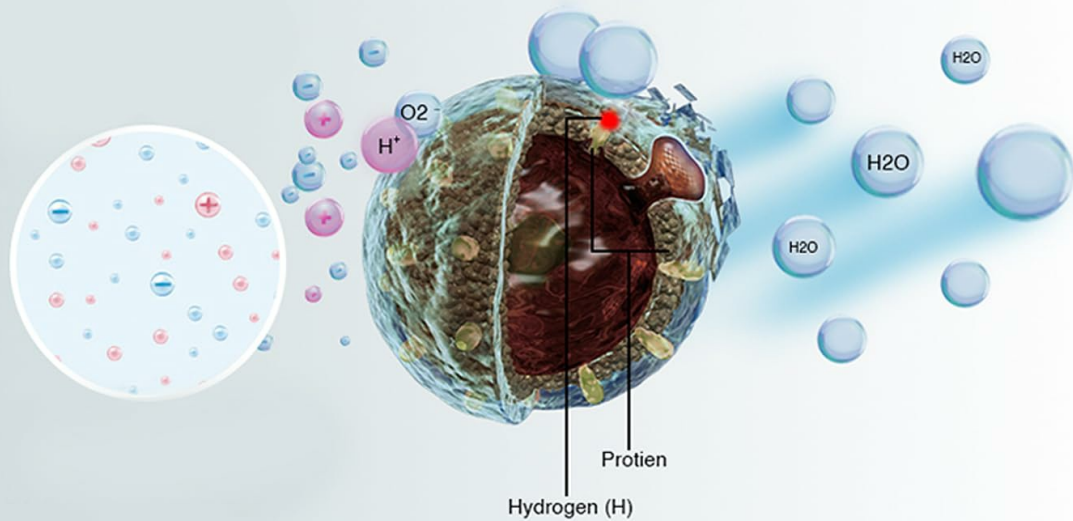
Diagram illustrating the mechanism of SHARP's Plasmacluster Technology, showing how positive and negative ions are released to purify the air by breaking down airborne contaminants like odor, static electricity, allergens, viruses, bacteria, haze, and mold.

4.2 Multi-Stage Filtration

The unit incorporates a triple filter construction for comprehensive air purification:

- **Pre-Filter:** Captures larger particles such as pet hair and large dust particles. This filter is washable.
- **HEPA Filter (H14):** Captures 0.3 micrometer particles with 99% efficiency, including fine dust, PM2.5, and allergens.
- **Active Carbon Filter:** Effectively removes various odors, including cigarette smoke and general household odors.

Mechanism of PLASMACLUSTER™ Technology

PLASMACLUSTER™ ICONS CAN REMOVE

Odor	Static Elecricity	Allergen	Viruses	Bacteria	Haze	Mold

Exploded view of the SHARP Air Purifier's dual suction and double filter system, detailing the fine mesh pre-filter and the two-in-one HEPA and deodorizing filter, designed to capture particles down to 0.1μm.

4.3 Coanda Airflow

The proprietary Coanda Airflow technology ensures that purified air is circulated throughout the entire room, reaching all corners for consistent air quality.

Dual suction Double filter

1: Fine mesh pre-filter

Captures larger than approx. 240micron dust particles like Pet hair. washable filter.

Pet hair   **Large dust Particles**

2: Two in one HEPA and Deodorizing Filter

Captures $0.1\mu m$ tiny particleup to 99%. Protect your lung from harmful dust such as PM2.5 and PM10.

Cigarette Odor   **General Odor in house**   **PM2.5/ Dust**   **Allergens**

Illustration of the Coanda Airflow pattern in a living room, showing how the air purifier distributes clean air across the entire space for effective purification.

5. MAINTENANCE

5.1 Filter Life Monitoring

The mobile application provides real-time monitoring of the filter life cycle for both the HEPA and Active Carbon filters, indicating when replacement is needed.

5.2 Pre-Filter Cleaning

The pre-filter is washable. Refer to the mobile application or the unit's display for cleaning frequency recommendations.

5.3 Filter Replacement

Replace the HEPA and Active Carbon filters as indicated by the mobile application or the unit's display to maintain optimal performance. Specific replacement instructions are available in the app.

6. SPECIFICATIONS

Feature	Detail
Brand	SHARP
Model Number	FX-S120M-H
Colour	Charcoal Gray
Product Dimensions	33.3D x 33W x 57.5H Centimeters
Floor Area Coverage	930 Square Feet
HEPA Specification	HEPA H14
Noise Level	55 Decibels
Particle Retention Size	0.3 Micrometer
Controller Type	iOS, Android, Touch Control
Wattage	72 Watts
Item Weight	13.7 Kilograms
Included Components	Complete Unit
Country of Origin	India

7. TROUBLESHOOTING

7.1 No Power

Ensure the power cord is securely plugged into both the unit and the electrical outlet. Check if the outlet is functional.

7.2 Poor Airflow/Purification

Check if filters are clogged. Clean the pre-filter or replace the HEPA/Active Carbon filters as needed. Ensure the unit is not obstructed.

7.3 Wi-Fi Connection Issues

Verify your Wi-Fi network is active and the air purifier is within range. Restart the unit and your router if necessary. Re-attempt the connection process via the mobile application.

7.4 Unusual Noise

Check for any foreign objects inside the unit. Ensure filters are correctly installed. If the noise persists, contact customer support.

8. WARRANTY AND SUPPORT

Your SHARP Air Purifier FX-S120M-H comes with a **2 Years Comprehensive Warranty**.

For service and support, please contact SHARP customer support at **1800-419-4322** (7am - 9pm, all days) or email **support@sharp-oa.com**.