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Advanced Pure Air AP-9090

Advanced PureAir Air Shield AP-9090 Air Purifier User Manual

Model: AP-9090 | Brand: Advanced Pure Air

1. Introduction

The Advanced PureAir Air Shield AP-9090 is designed to provide superior air purification for your home. Featuring a unique 9-stage detection, filtration, and purification system, it effectively removes a wide range of airborne contaminants, ensuring cleaner and fresher indoor air. This manual provides essential information for the safe and efficient operation and maintenance of your air purifier.



Image: The Advanced PureAir Air Shield AP-9090 Air Purifier is designed for large coverage areas, purifying up to 1,000 sq ft.

2. Safety Information

Please read all safety instructions before operating the appliance. Failure to follow these instructions may result in electric shock, fire, or injury.

- Always unplug the air purifier from the power outlet before cleaning or performing any maintenance.
- Do not operate the appliance with a damaged cord or plug. Contact customer support for assistance.
- Do not use the air purifier in wet or damp environments, such as bathrooms.
- Keep the air purifier away from heat sources and direct sunlight.
- Ensure proper ventilation around the unit; do not block air inlets or outlets.
- This appliance is for indoor use only.

3. Product Overview

The Advanced PureAir Air Shield AP-9090 features a comprehensive 9-stage purification system to ensure optimal air quality. Key components and controls are detailed below.

3.1. 9-Stage Purification System

1. Air Quality Sensors
2. Diagnostic Sensors
3. Pre-Filter
4. Electrostatic Dust Collector
5. Activated Carbon Filter
6. High-Performance HEPA Filter
7. Germicidal UV Light
8. Dual Photo Catalyst Nano-TiO2 Germicidal Sanitizers
9. Negative Ion Generation



Image: Detailed breakdown of the 9-stage purification system, including Pre-Filter, Electrostatic Precipitator, Activated Carbon Filter, HEPA Filter, UV Light, Photocatalyst TiO2 Filter, Negative Ion Generator, and Air Quality Sensor.

3.2. Control Panel

The intuitive control panel is located on the top of the unit, featuring touch-sensitive buttons and indicators.



Image: Easy-to-use push button control panel with indicators for fan speed (HI, MED, LOW, QUIET, AUTO), ION-UV, timer settings (1H, 2H, 4H, 8H), filter reset, and power.

4. Setup

Follow these steps for initial setup and filter installation.

4.1. Filter Installation

1. Carefully remove the air purifier from its packaging.
2. Turn the unit upside down.
3. Twist the base cover counter-clockwise to unlock and remove it.
4. Gently pull out the filter assembly.
5. Remove all plastic packaging from the filter.
6. Insert the filter assembly back into the unit, ensuring it is seated correctly.
7. Replace the base cover and twist clockwise to lock it securely.
8. Place the air purifier upright on a flat, stable surface.

4.2. Power Connection

Plug the power cord into a standard electrical outlet. Ensure the cord is not pinched or damaged.

5. Operating Instructions

The control panel allows for easy management of the air purifier's functions.

5.1. Power On/Off

- To turn the unit ON, touch the **Power** button. The unit will start in Auto Mode.
- To turn the unit OFF, touch the **Power** button again.

5.2. Fan Speed Adjustment

Touch the **Flow** button to cycle through different fan speeds:

- **HI**: Highest speed for rapid purification.
- **MED**: Medium speed for general use.
- **LOW**: Low speed for quiet operation.
- **QUIET**: Ultra-low speed for minimal noise, ideal for sleeping.
- **AUTO**: The unit automatically adjusts fan speed based on detected air quality.



Image: The air purifier operating in Quiet Mode, with noise levels as low as 20 dB, suitable for bedrooms.

5.3. Timer Function

Touch the **Timer** button to set the operating duration:

- 1H: 1 hour operation.
- 2H: 2 hours operation.
- 4H: 4 hours operation.
- 8H: 8 hours operation.

The unit will automatically turn off once the set time has elapsed.

5.4. Light Control

The control panel features an ION-UV indicator light. You can adjust its settings:

- Touch the **ION-UV** button to cycle through different light colors or turn the light off.
- To select a specific color, press the button until your desired color is displayed, then release. The light will remain on that color.

5.5. Air Quality Sensors

The integrated dust and odor sensors continuously monitor indoor air quality. In **AUTO** mode, the air purifier will automatically adjust its fan speed to optimize purification based on the detected air quality levels.



Image: Air quality sensors monitor indoor pollution levels and automatically adjust fan speed in Auto Mode, maximizing purification effectiveness.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your air purifier.

6.1. Filter Replacement Indicator

The **Filter** indicator light on the control panel will illuminate when it's time to replace the filter. After replacing the filter, press and hold the **Filter Reset** button for 3 seconds to reset the indicator.

6.2. Pre-Filter Cleaning

The pre-filter should be cleaned every 2-4 weeks to maintain efficiency. To clean, remove the pre-filter and gently vacuum or brush off accumulated dust and large particles. Ensure it is completely dry before re-installing.

6.3. HEPA and Activated Carbon Filter Replacement

The High-Performance HEPA Filter and Activated Carbon Filter should be replaced approximately every 6 months, depending on usage and air quality. Refer to the filter replacement instructions in Section 4.1 for removal and installation.



Image: The filter system of the Advanced PureAir Air Shield AP-9090, showing the pleated HEPA filter and carbon filter components.

6.4. Dust Sensor Cleaning

Clean the dust sensor every two months to maintain efficiency. Use a moistened cotton swab to clean the air inlet, outlet, and sensor lens. Repeat with a dry swab to finish.

7. Troubleshooting

If you encounter any issues with your air purifier, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; power cord damaged	Check power connection; contact customer support if cord is damaged.

Problem	Possible Cause	Solution
Airflow is weak or noisy	Filters are dirty or blocked; fan obstruction	Clean/replace filters; check for obstructions in fan.
Unpleasant odor from unit	Filters are saturated with odors	Replace Activated Carbon Filter.
Filter indicator remains on after replacement	Filter reset not performed	Press and hold the Filter Reset button for 3 seconds.

8. Specifications

Feature	Detail
Model Number	AP-9090
Brand	Advanced Pure Air
Color	Gray
Product Dimensions	12 x 14 x 25 inches
Item Weight	15.1 pounds
Floor Area Coverage	Up to 1000 Square Feet
Noise Level	20 Decibels
Particle Retention Size	0.3 Micron
Filter Class	HEPA
Contaminant Filtration	Cigarette smoke, dust, odors, pet dander, pet hair, pollen, volatile organic compounds (VOCs)
Special Features	Germicidal UV Light, Negative Ion Generation
Control Method	Remote, Touch
Power Source	Corded Electric
UPC	853295002194

9. Warranty and Support

For warranty information or technical support, please refer to the documentation included with your purchase or visit the official Advanced Pure Air website. Keep your purchase receipt for any warranty claims.

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