

Airdog P50

Airdog P50 Pet Air Purifier User Manual

Model: P50

[Overview](#)

[Setup](#)

[Operation](#)

[Filtration](#)

[Maintenance](#)

[Specifications](#)

[Warranty](#)

1. PRODUCT OVERVIEW

The Airdog P50 is an air purifier designed for home use, particularly effective in environments with pets. It utilizes a 5-stage TPA Halo Filtration Technology to clean air in areas up to 1290 sq. ft. The device features intelligent controls, including adjustable fan speeds, child lock, auto mode, and a quiet sleep mode. A key feature is its reusable and washable filter system, eliminating the need for replacement filters.



Figure 1: Airdog P50 Air Purifier demonstrating 360° air intake for whole-room refresh.

2. SETUP INSTRUCTIONS

Follow these steps to set up your Airdog P50 Air Purifier:

1. **Unpack Components:** Carefully remove all components from the packaging. Ensure you have the top cover, lower section, pre-filter, wire frame, collecting plate, and photocatalytic filter.
2. **Insert Pre-Filter:** Place the pre-filter into the lower section of the purifier.
3. **Install Wire Frame:** Align the locking slot at the bottom of the wire frame with the corresponding slot in the lower section, then insert it.
4. **Insert Collecting Plate:** Place the collecting plate into the lower section, ensuring the hollow center aligns with the purifier's internal shape.
5. **Position Photocatalytic Filter:** Place the photocatalytic filter into position with the photo catalyst side facing up.
6. **Attach Top Cover:** Align the top cover with the locking slots on the upper edge of the purifier and securely attach it to the lower section.
7. **Connect Power:** Turn the unit upside down, locate the power port, and plug in the power cord.

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Video 1: Visual guide for setting up the Airdog P50 Air Purifier.

3. OPERATING MODES AND CONTROLS

The Airdog P50 offers multiple operating modes and smart controls for customized air purification.

3.1 Power On/Off and Mode Selection

- **Power On/Auto Mode:** Short press the power button to turn the unit on and enter auto mode.
- **Cycle Modes:** Press the mode button to cycle through fan speeds L1, L2, L3, L4, sleep mode, and back to auto mode.
- **Power Off:** Long press the power button to turn the unit off.

3.2 Smart App Control

The Airdog P50 can be controlled remotely via a dedicated smartphone application. This allows for monitoring air quality, adjusting settings, and automating purification from anywhere.

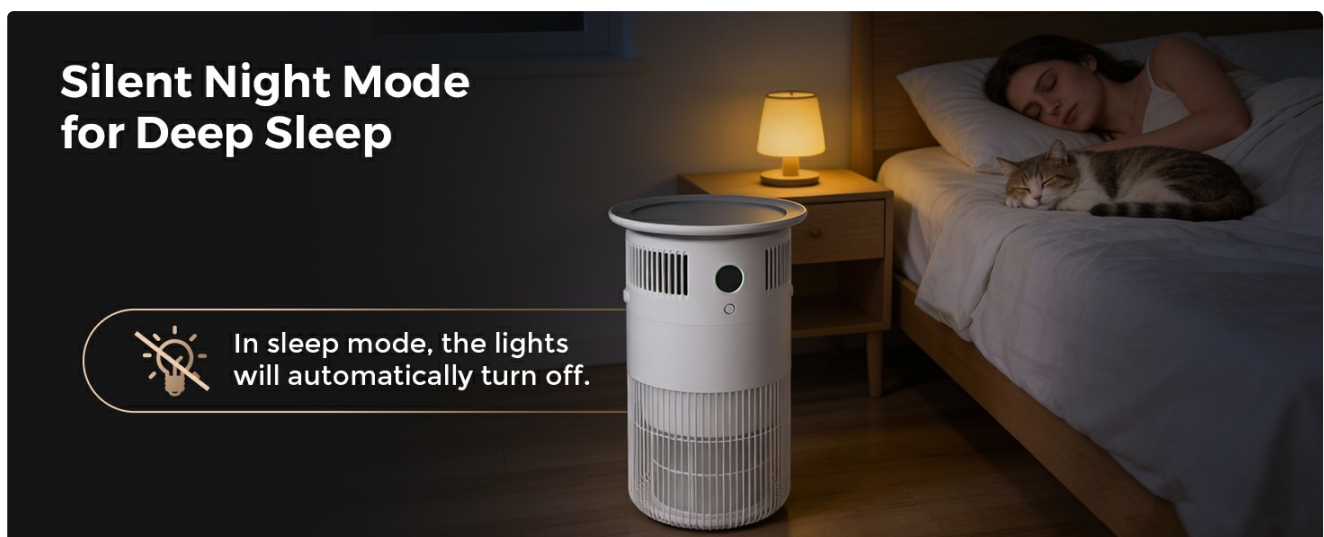


Figure 2: Smart App Control interface for the Airdog P50.

3.3 Real-Time Air Quality Indicator (AQI) & Auto Mode

The purifier continuously monitors air quality. In Auto Mode, intelligent sensors automatically adjust the fan speed to maintain optimal air quality. The display shows real-time AQI readings.



Figure 3: Real-Time AQI and Auto Mode functionality.

3.4 Quiet Sleep Mode

For undisturbed rest, activate Quiet Sleep Mode. In this mode, the lights on the unit automatically turn off, and the fan operates at its lowest, quietest setting.



Figure 4: Airdog P50 in Silent Night Mode for deep sleep.

4. 5-STAGE TPA HALO FILTRATION TECHNOLOGY

The Airdog P50 utilizes advanced TPA (Twin Polar Active) Halo Green technology for comprehensive air purification. This system effectively neutralizes and captures a wide range of airborne pollutants.

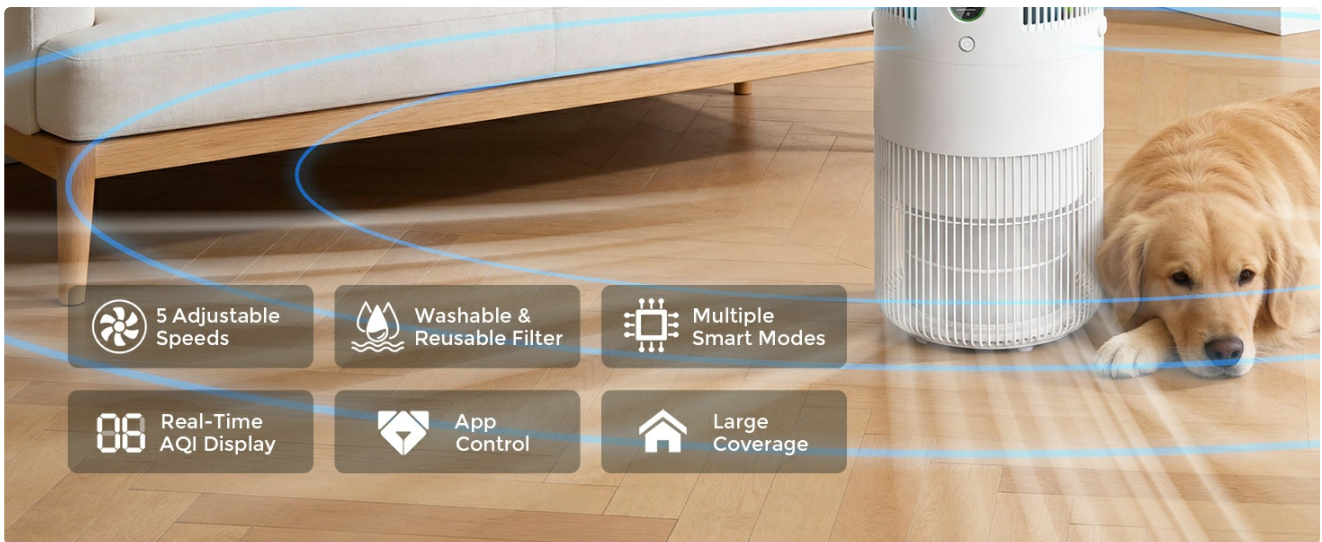


Figure 5: Exploded view of the 5-Stage TPA Halo Filtration Technology.

4.1 Pre-Filter

The initial stage captures large particles such as pet hair, lint, and dust, preventing them from entering further into the system. This filter is washable and reusable.



Figure 6: The Pre-Filter captures large particles.

4.2 Ionic Field & Wire Frame

An electric field is created to zap and annihilate 99.99% of bacteria, allergens, viruses, and germs, preparing them for collection.



Figure 7: Ionic Field and Wire Frame in action.

4.3 Collecting Plates

These plates capture charged particles, including viruses and bacteria, down to 0.0146 micrometers. The collected contaminants adhere to the plates.

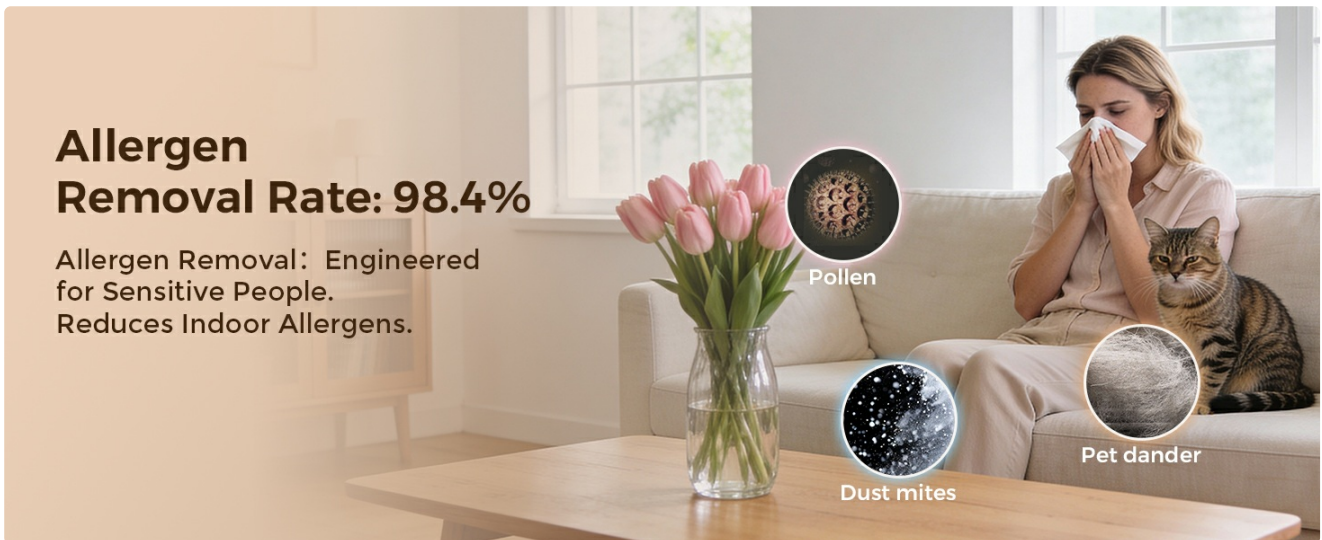


Figure 8: Collecting Plates capturing microscopic particles.

4.4 Photocatalytic Filter

This advanced light-activated filter breaks down stubborn pet odors, gases, and VOCs at a molecular level, converting them into harmless water vapor and carbon dioxide.

Pet Hair Removal Rate: 85%

The 360° air intake draws in air from all directions, with the pre-filter helping capture large particles like pet hair, dander, and dust before they settle around your home.



Figure 9: Photocatalytic Filter for odor elimination.

5. MAINTENANCE: WASHABLE FILTERS

The Airdog P50 features 100% reusable and fully washable filters, eliminating the need for costly replacements. Regular cleaning ensures sustained performance.

5.1 Filter Cleaning Procedure

1. **Power Off:** Ensure the air purifier is turned off and unplugged before beginning any maintenance.
2. **Remove Filters:** Carefully remove the top cover, then extract the photocatalytic filter, collecting plate, wire frame, and pre-filter.
3. **Rinse:** Rinse the pre-filter, wire frame, and collecting plate under running water until clean. For stubborn dirt, a soft brush may be used.
4. **Dry:** Allow all washed components to air dry completely before reassembling. Ensure no moisture remains.
5. **Reassemble:** Reinsert the dry filters in reverse order of removal.

Figure 10: Easy-to-clean washable filters.

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Video 2: Demonstration of the washable filter technology.

6. PRODUCT SPECIFICATIONS

Feature	Detail
Model Number	P50
Product Dimensions	13 x 9.5 x 22 inches

Feature	Detail
Item Weight	17.6 Pounds
Coverage Area	Up to 1290 sq. ft. (1 hour)
CADR	177 CFM
Filter Type	Air Ionizer (TPA Halo Filtration)
Noise Level	22 Decibels (Sleep Mode)
Control Method	App, Touch
Power Source	AC
Special Features	APP Control, Manual, Washable Filter
Color	White
Certifications	FCC Certified

7. WARRANTY INFORMATION

The Airdog P50 Air Purifier comes with a **1 Year Manufacturer Warranty**. Please retain your proof of purchase for any warranty claims. For detailed terms and conditions, refer to the warranty card included in your product packaging or visit the official Airdog website.

8. CUSTOMER SUPPORT

For technical assistance, troubleshooting, or any inquiries regarding your Airdog P50 Air Purifier, please contact Airdog Customer Support. Refer to the contact information provided in your product packaging or visit the official Airdog website for the most up-to-date support options.