

Airdog X8

(Generation 2)

User Manual



Purification System



What's in the Box

Air Purifier Main Body

Collecting Plates

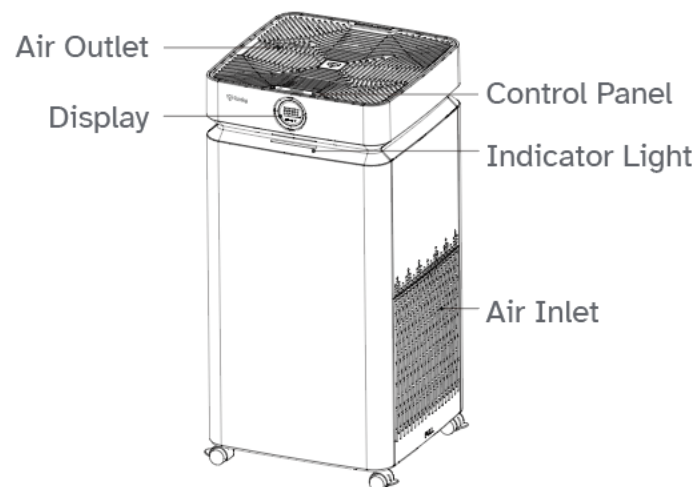
Brush

Eraser

Manual

Components

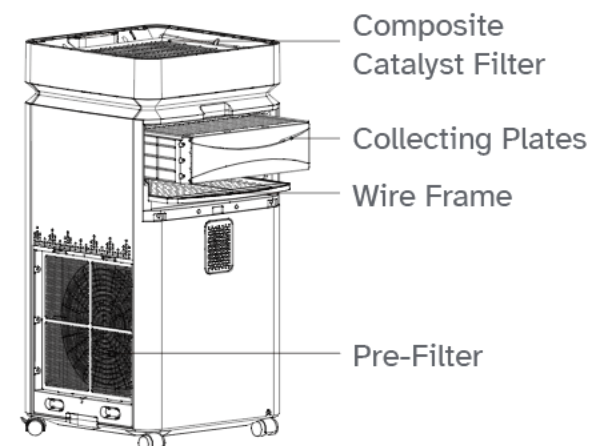
Front/Side



Back

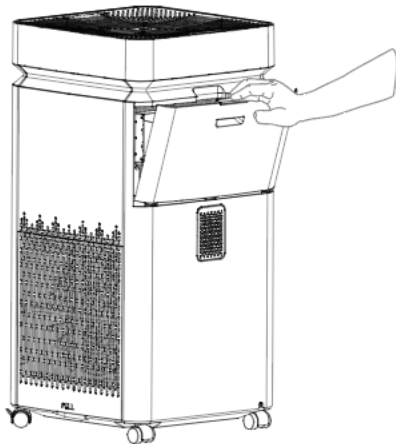


Internal Structure



Installation Guide

1. Use the pull handle to open the back access panel (Pic 1);
2. Ensure that the protective rubber sleeve is in the right place. (It is normal to see rubber sleeve off after transporting because it is dismountable and washable.)
3. Take out the Collecting Plates from the box. Insert the Collecting Plates in the orientation described on the label (Pic 2).



Pic 1



Pic 2

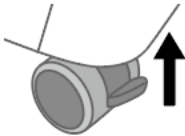
Anti-Tip Brake Operating Instructions: This device is equipped with a total of four anti-tip brakes.



Wheel Brake

■ Wheel Brake – OFF (Unlocked)

When in the OFF position, the device can move freely. (Flip the lever upward in the direction of the upward-pointing arrow shown in the diagram.)

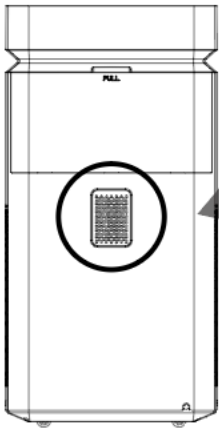


■ Wheel Brake – ON (Locked)

When in the ON position, the wheel mechanism is locked, preventing the device from rolling or sliding. (Flip the lever downward in the direction of the downward-pointing arrow shown in the original diagram.)



Sensor Placement & Rear Sun Protection:



Placement Restrictions:

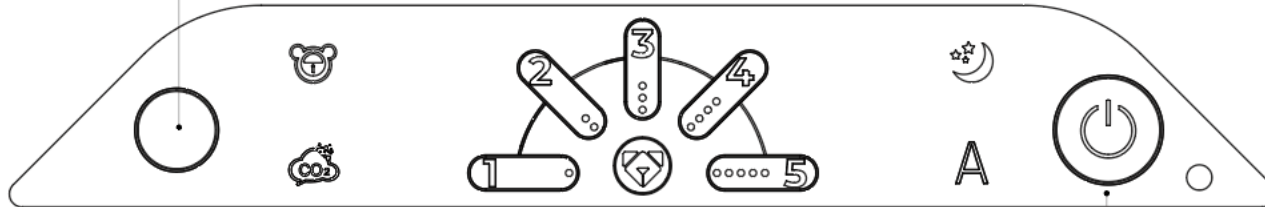
Do not install this device in locations where direct sunlight shines on the back panel and detachable AQI monitor.

The rear of this device contains an integrated atmospheric sensor unit. Direct sunlight on the sensor may cause malfunctions or abnormal readings.

Control Panel and Functions

AQI/CO₂ Switch

AQI is displayed by default when starting the machine, and CO₂ can be displayed by pressing the AQI/CO₂ switch button.



Operation Button When air purifier powers on

1. Press (approximately 1 second): start up (default is Auto Mode).
 2. Press again: Level 1
 3. Press again: Level 2
 4. Press again: Level 3
 5. Press again: Level 4
 6. Press again: Level 5
 7. Press again: Sleep Mode.
 8. Press again: Auto Mode (back to step 1).
 9. Press and hold for 3 seconds (under any mode): shutdown.
- Press and hold operation button when cleaning reminder is on.
Clear cleaning reminder and reset.
- Press and hold operation button when children lock indicator is on.
Turn child lock function off and shutdown.

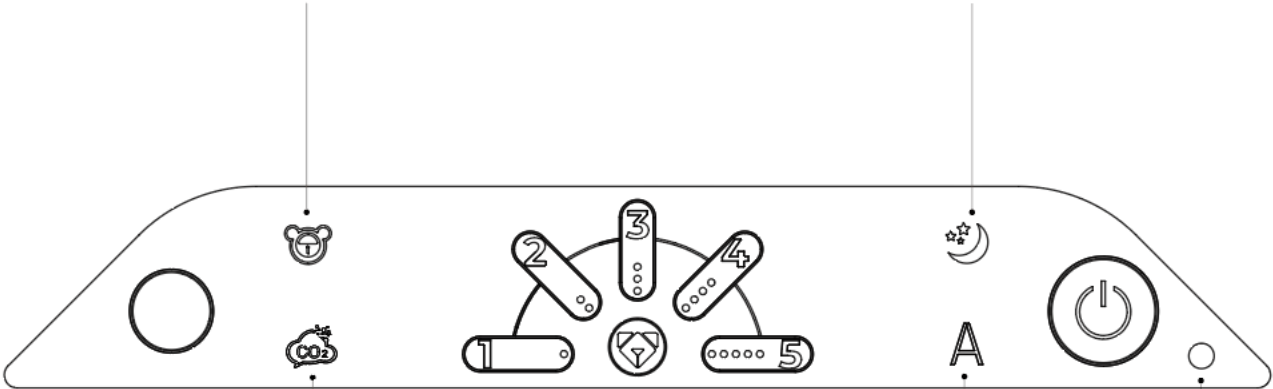
Control Panel and Functions

Children Lock Indicator

When the Child Lock is enabled, the indicator light will remain on and the control buttons will be disabled. The Child Lock function can only be enabled or disabled through the app.

Sleep Mode Indicator

When Sleep Mode is activated, all display lights turn off except for the Sleep Mode indicator. The purifier is still cleaning the air.



CO₂ Light

On: Display CO₂ reading
Off: Display AQI reading

Auto Mode Indicator

In Auto Mode, the air purifier senses AQI and adjusts the wind speed according to the air quality level automatically.

Power Indicator Light

The Power Indicator Light turns ON when the power is ON, OFF when the power is OFF. It will blink when the purifier needs cleaning or maintenance.

CO₂ Monitoring

Displays indoor CO₂ concentration.

The X8 Gen 2 is equipped with a CO₂ concentration detection sensor.
If the monitored value exceeds 2000 ppm, the indicator light will flash to provide a warning;
if the value exceeds 4000 ppm, an audible alarm will sound.

Note: The alarm function is disabled when operating in AQI mode.

CO₂ Concentration Level Guide:

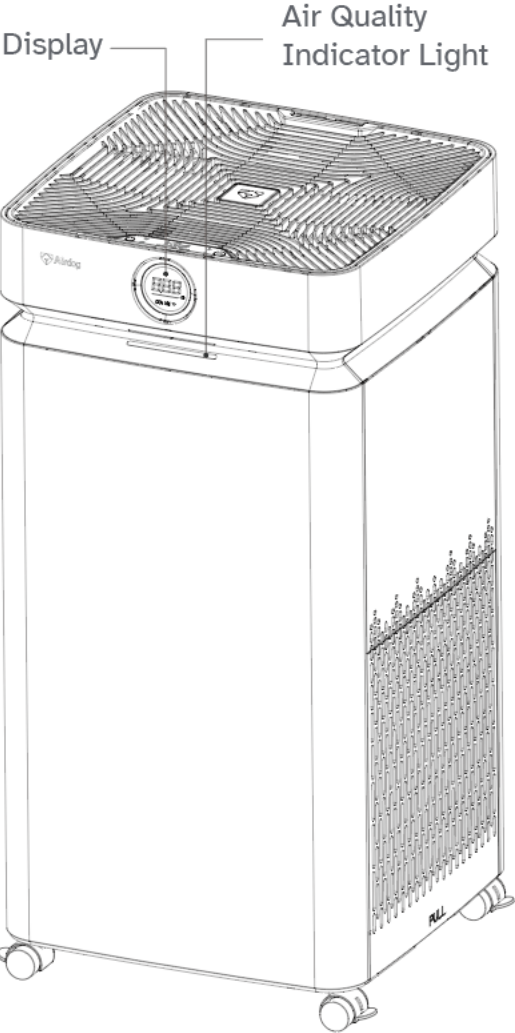
Concentration Range	Status Description
<1000ppm	Normal
1000~2000ppm	Ventilation is recommended.
2000~4000ppm	Inadequate ventilation warning: Indicator flashes. Poor air quality may cause headaches or other discomfort.
>4000ppm	When the alarm sounds, ventilate the area immediately.

When the Alarm Sounds:
If the CO₂ sensor alarm sounds, it is strongly recommended to ventilate the area immediately.

How to Silence the Alarm:
When the alarm sounds, switch to the AQI (Air Quality Index) mode to stop the alarm.

- * Please be advised that when using this unit in the vicinity of gas heaters or oil-burning equipment, carbon dioxide levels may rise. While a slight increase in concentration poses no harm to the human body, a sustained rise in levels carries a risk of adverse health effects.
- * This unit is not equipped with a function to remove carbon dioxide.

Display and Air Quality Indicator Instruction



Concentration of AQI
Displays concentration of AQI



Detector Off-Line Reminder
Displays "---" when detector is off-line.



Cleaning Reminder
Displays when collecting plates need to be washed. Press and hold operation button to reset after cleaning.



CO₂ Display Rule
If CO₂ concentration value is 109ppm, it shows 109ppm.
If CO₂ concentration value is 1,090ppm, it shows 109x10ppm.



Faulty Reminder
When "9XX" appears on the display and power indicator is blinking, clean the unit and make sure to put every part back correctly and make solid contact.
Please move to the Full Cleaning Cycle section for more cleaning details. If "9XX" is still on the display after cleaning, please contact customer service for further help.



Green:
Excellent
AQI≤50



Yellow Green:
Good
50<AQI≤100



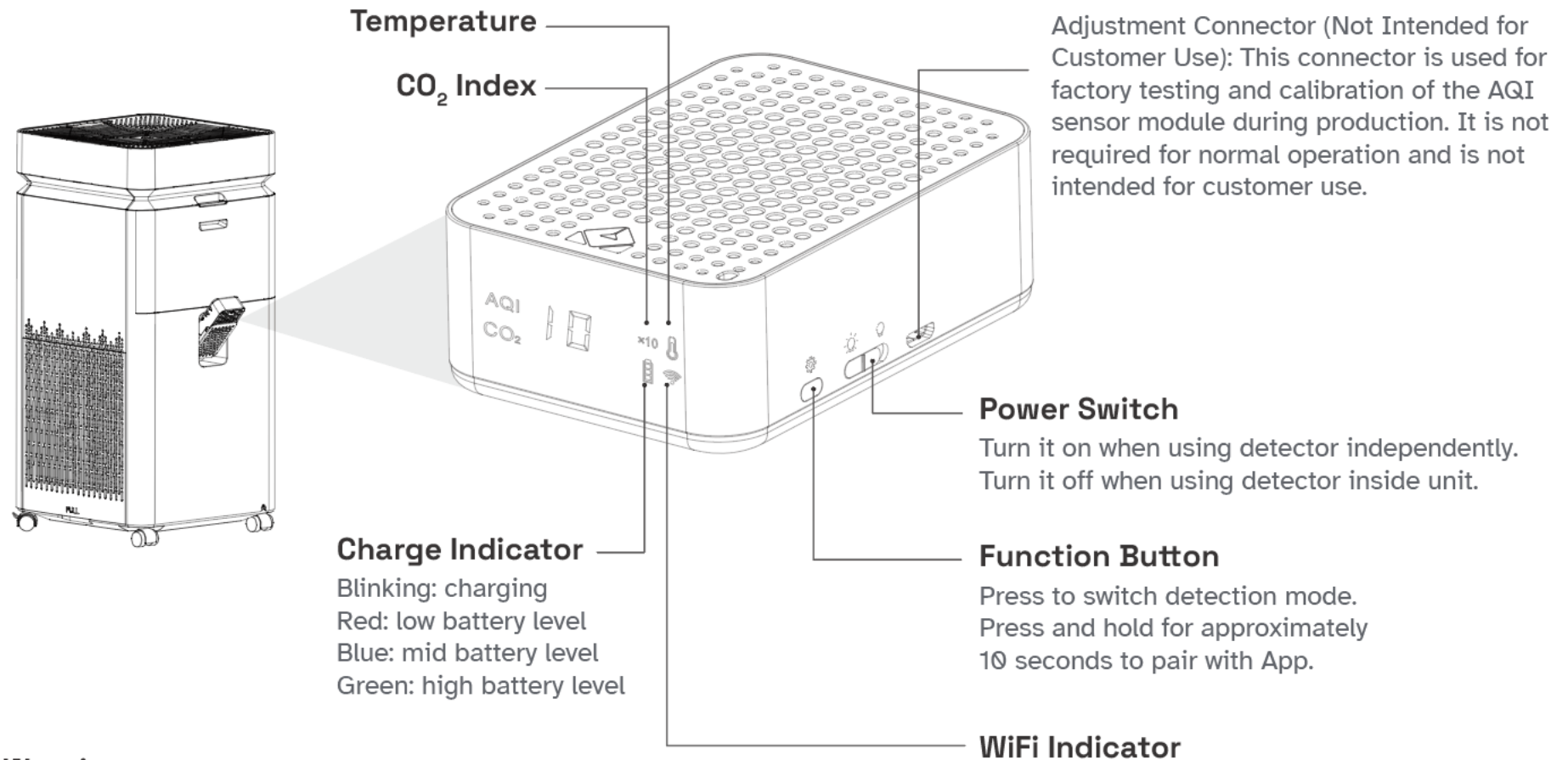
Yellow:
Moderately Polluted
100<AQI≤150



Red:
Hazardous
AQI>150

*AQI (Air Quality Index) numbers are calculated based on real-time particle counts per air volume, following the United States Environmental Protection Agency (EPA) standards. Please note that these readings can vary depending on the purifier's fan speed, its placement in the room, and the surrounding environment.
*CO₂ concentration does not affect the display of the air quality indicator light.

Detachable AQI Monitor



Warning:

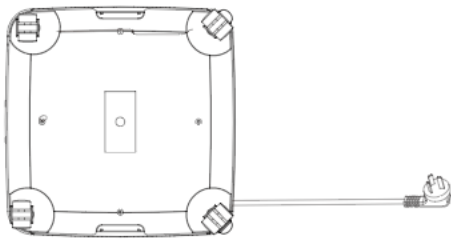
1. About readings in the AQI Monitor:
 - a. The values are for reference only, not for legal ground.
 - b. The reading of formaldehyde will be influenced by alcohol, nicotine, perfume, etc.
2. Put into the air purifier to recharge only, DO NOT use other USB recharger.
3. Keep away from heat and fire sources.
4. Turn it off when carrying.

Friendly Reminders:

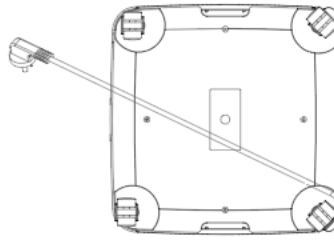
1. To recharge the detector, put it in the unit.
2. Turn off the detector before putting it inside the unit.

Power Cord Reminder

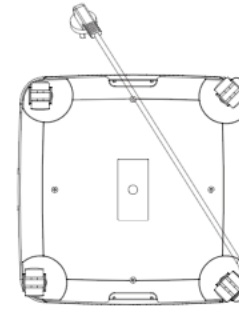
1. Please run the power cord directly from the back (Pic 1), DO NOT coil or run the power cord under the bottom of the air purifier. Keep it free and clear from obstructions (Pics 2 & 3).
2. Follow the instructions above to avoid problems with the electromagnetic compatibility of the purifier.



Pic 1 Correct



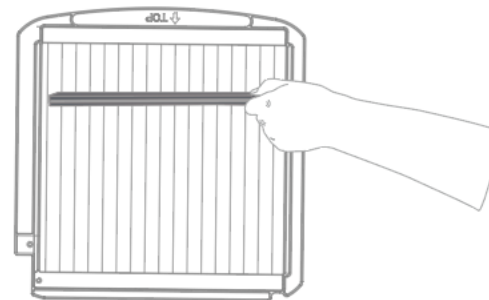
Pic 2 Wrong



Pic 3 Wrong

Ionization Wire Frame Cleaning

1. We recommend cleaning the Ionization Wire Frame if the air purifier makes abnormal sounds, such as popping or crackling.
2. Use a soft cloth or sponge to clean the Ionization Wire Frame track by sliding up and down gently (Pic 1).
3. Reinsert the Ionization Wire Frame in the direction indicated on the frame.



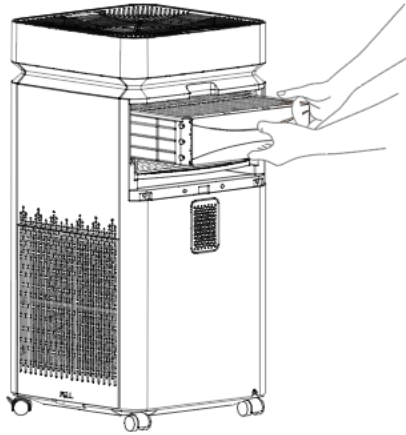
Pic 1

Collecting Plates Cleaning

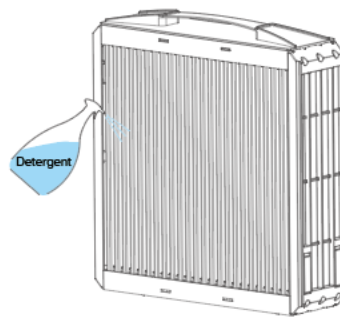
1. Clean the collecting plates when the air purifier displays “-C-”.
2. Turn off the power, open the back access panel and pull out the collecting plates (Pic 1).
3. Place the collecting plates into a container or tub and use a soft-bristle brush to clean the sheets of metal (Pic 3).

Cleaning Tips:

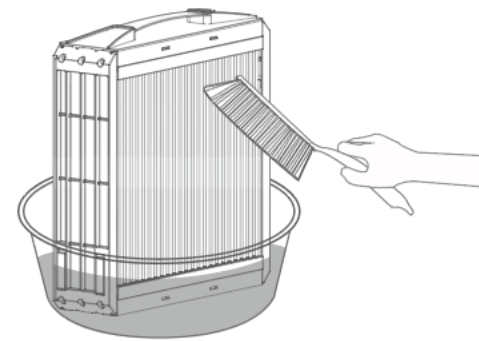
- a. Soak the collecting plates for 10 minutes before brushing to make it easier to clean.
 - b. Spray or soak with a neutral, non-harsh detergent (Pic 2). **DO NOT USE** a corrosive detergent such as a laundry powder.
 - c. Don't be concerned if you see small stains on the surface of the metal after repeated cleanings—this is normal wear and does not impact the purification process.
4. Dry the collecting plates after cleaning using a hair dryer, natural sunlight, or by leaving them out to dry for a recommended 24+ hours.
 5. Put the collecting plates back in the proper direction using the labels on them.



Pic 1



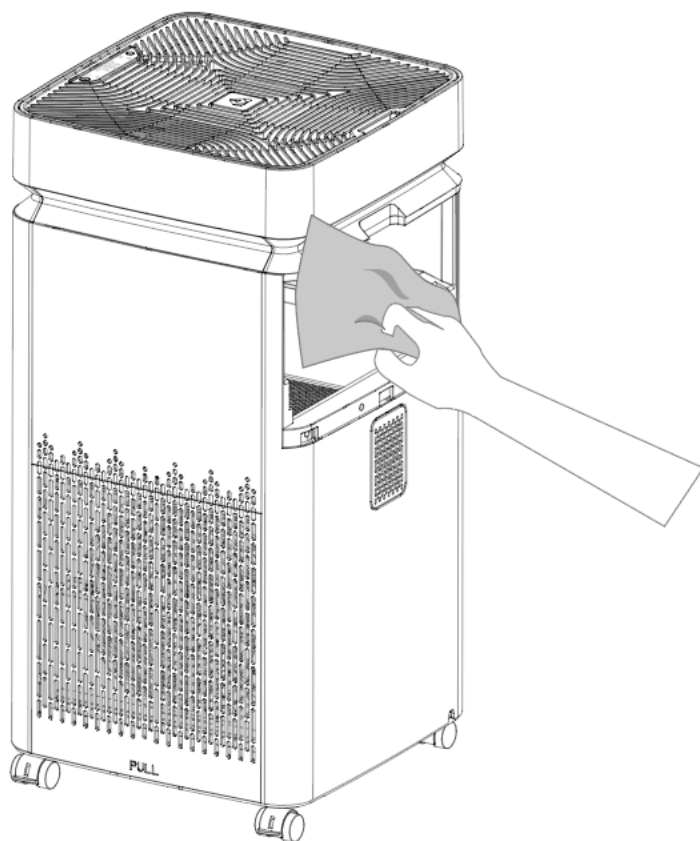
Pic 2



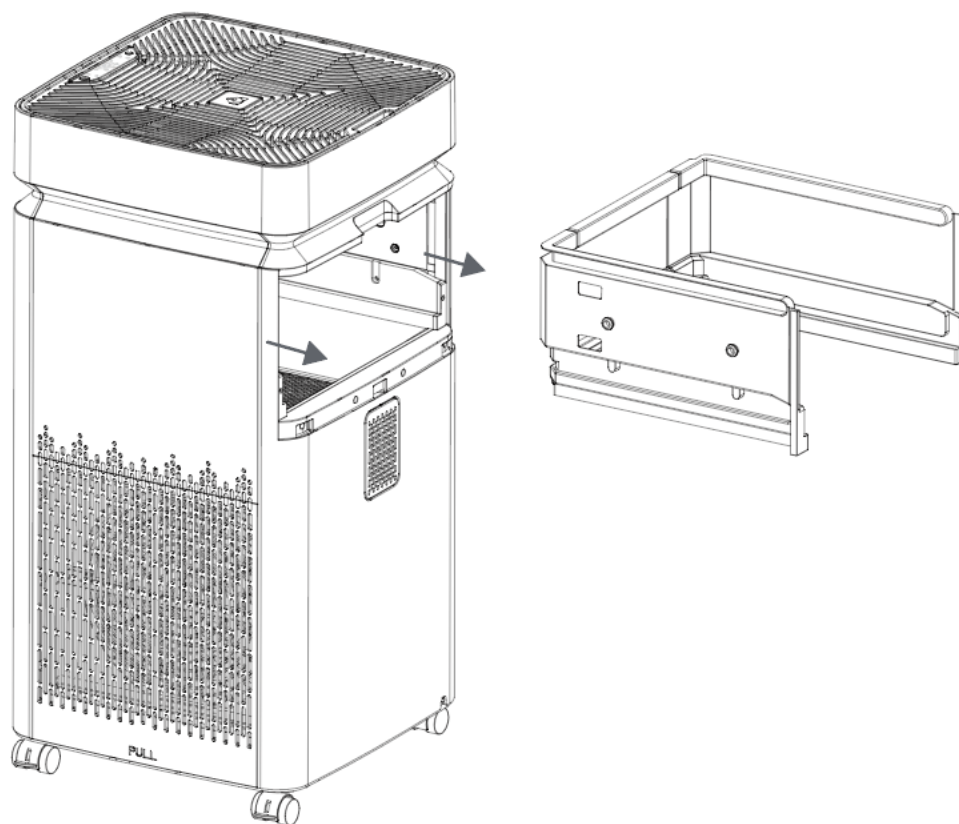
Pic 3

Full Cleaning Cycle

1. Unplug the power supply and open the back access panel. Pull out the Wire Frame and Collecting Plates.
2. Clean the Collecting Plates properly according to the previous instructions.
3. Use a wet cloth to wipe down all surfaces of the internal protective rubber sleeve, including notches—recommended cleaning every 3 months (Pic 1).
4. If dust accumulates on the protective rubber sleeve, open the upper panel (top of the unit) and remove the Composite Catalyst Filter. Then remove the rubber sleeve completely and wash it in water, leaving it to dry for 24+ hours—recommended cleaning every 6 months (Pic 2).
5. Wash the two Pre-Filters (removing them from each side of the unit) and leave them to dry.
6. Dry the parts completely, then put them back in order.



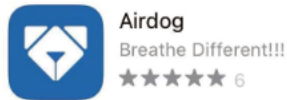
Pic 1



Pic 2

App Settings

Search for “Airdog” in the Apple or Google Play app stores and download the App.



Ensure your Bluetooth is enabled and your device is connected to a 2.4GHz Wi-Fi network.

Note: the Airdog app is not required in order for your product to function.

Step 1: Download 'Airdog' App

Step 2: Follow the prompts to create an account and login

Step 3: Turn off the unit, long press the power switch (for about 10 seconds) until the WiFi indicator is blinking

Step 4: Turn on Bluetooth before connection (Please set Bluetooth usage permissions on your phone)

Step 5: Add a device (The Bluetooth indicator light on the panel will flash during the process)

Step 6: Select Wi-Fi, enter the Wi-Fi password and wait for the device to connect successfully



For more details, please check the Airdog Youtube channel for video instructions.



Scan this QR code to download the App

Notices

Usage Notices:

1. Turn off the power before cleaning and maintenance.
2. DO NOT use if the power cord is broken or damaged. Ask a professional electrician to replace it.
3. The purifying effect of an air purifier differs from that of a central ventilaton system.

Safety Notices:

1. To prevent damage to the inner components, avoid impacts or dropping the unit.
2. Do not block or put objects into the Air Inlet or Air Outlet.
3. Do not touch the power plug with wet hands.
4. Use the recharger suggested in the detector section to charge the detector's inner battery.
Avoid any impact, falling, or being near a heat source.
5. Collecting plates are heavy. Please take out carefully using two hands.

Placement Notices:

1. Don't use it around flammable or explosive environments with combustible gas or dust.
2. Don't use it in wet environments (for example: beside a humidifier).
3. Don't use it near a heat source or in a high temperature environments.

Q&A

1. I am concerned about safety, is the Airdog X8 safe?

- A. Smart control: The "smart electronics" control circuit continually monitors the current and voltage levels, and suppresses them whenever there's any abnormal situation;
- B. Anti-fire: Airdog X8 Gen 2 is manufactured with the highest V0-grade fire retardant plastics housing;
- C. Child lock: It prevents improper operations when children are playing around it;

2. Airdog X8 Gen 2 uses high voltage inside, is it safe for home use?

Airdog X8 Gen 2 uses an advanced electronic design built around safety.
The power consumption of Airdog is equivalent to a small light bulb.
It has high voltage inside but very low current in the order of micro-amps.
The high voltage runs on direct current to avoid any possible electronic perturbation.

3. Is there a maintenance cost to owning an Airdog X8 Gen 2?

- A. The Collecting Plates in the X8 Gen 2 are washable and reusable, so no more spending on HEPA filters and others.
 - B. The Composite Catalyst filter is reusable—you can put it directly under sunlight for 1-2 hours to refresh it.
- Customers who are very sensitive to odors may want to replace the Composite Catalyst filter ever 6-24 months to refresh the smell. The cost of a Composite Catalyst filter is a small fraction of the cost of a new HEPA filter—for replacements, please contact the organization where you purchased your Airdog X8 Gen 2.

4. I heard a "cracking" or "zapping" noise inside the unit. Is that normal?

The occasional "zapping" or "cracking" is normal when the bigger particles enter the air purifier, being zapped by the high voltage, similar to when a bug zapper traps a bug. However, if the "cracking" or "zapping" noise is constant, you should clean the unit and make sure that all parts in the unit are fully dried after you clean the unit.
80% of the noise issues are caused by dust accumulation on the collecting plates and/or inner chamber, or by wet collecting plates. Normally a full clean cycle will take care of this all.

5. Can I clean Airdog X8 Gen 2 by putting the whole unit in the dishwasher?

You should not put the whole Airdog X8 Gen 2 unit into the dishwasher! However, you can put the Collecting Plates in the dishwasher for a full wash cycle. Please make sure the Collecting Plates are fully dried before putting them back into the unit. There could be water residue inside the Collecting Plates even after the drying cycle.

6. How can I confirm that the Collecting Plates are fully dried?

Please put the Collecting Plates in a dry space for at least 24 hrs.

You may put tissues or a paper towel under the Collecting Plates to check if it is fully dried.

7. What should I do if the Airdog App's connection fails?

A. Check your network environment: the Airdog App does not support IPv6 network environments.

B. Make sure your Wi-Fi is in 2.4GHz.

C. If the Wi-Fi connection isn't working, try temporarily setting it up on a hotspot to ensure it's working before returning back to your home Wi-Fi connection to verify hardware function.

8. Do Airdog air purifiers emit harmful levels of ozone?

Airdog is equipped with an ozone-reducing catalytic filter at the top, which effectively lowers indoor ozone levels to below outdoor levels. On a clear day, outdoor ozone levels are approximately 30 ppb; however, in an indoor environment with Airdog running, the ozone peak is only 4-10 ppb. Our air purifiers are certified by the California Air Resources Board (CARB) and are rated as safe air cleaning products.

9. Why is the price of Airdog Gen 2 much higher than ordinary air purifiers?

The pricing of the Airdog Gen 2 reflects its generational technological leadership. Most ordinary purifiers use HEPA filters (a physical barrier media), which are typical "consumables." In contrast, the Gen 2 utilizes proprietary TPA® technology.

Zero Maintenance Costs: You don't need to spend hundreds annually on replacement filters; the filter can be restored to a brand-new state through simple cleaning.

Consistent Performance: HEPA filters gradually clog over time, leading to a decline in purification efficiency. Thanks to its unique ionic field technology, the Gen 2 maintains a constant high airflow even after capturing a significant amount of dust.

Flagship Performance: Designed for large spaces, a single Gen 2 can easily cover a spacious living room or office area. Its superior value is demonstrated through its low total cost of ownership over its entire lifespan.

10. Error Code 9xx / Flashing Power Indicator.

If the device displays error code 9xx, it indicates that the operating environment may be dirty or excessively humid, triggering the high-voltage protection mechanism. In this state, the device cannot operate in high-power mode.

Troubleshooting Steps: Remove the collecting plates and check if the device resumes normal operation.

If the device returns to normal, thoroughly wash the collecting plates and ensure they are completely dry (e.g., via sun-drying) before reinstalling them. If the problem persists, please contact us for further assistance.

11. Display Values Stop Decreasing During Operation.

If the reading remains unchanged after 30 minutes of operation, dust or dirt may have accumulated on the atmospheric sensor. Remove the sensor module and use a vacuum cleaner to remove the debris for maintenance.

12. The "-C-" Symbol Appears on the Display.

The "-C-" indicator will not disappear automatically even after cleaning and maintenance.

Please long-press the Power/Operation button or press the [Reset] button on the remote control to clear the symbol.

If the "-C-" indicator remains on after long-pressing the power button or using the remote reset, please contact our after-sales customer service center.



Technical Specification



Model	KJ800F-X8
Applicable Area (m ²)	1000 SQF or 93
CADR Particle (m ³ /h)	471 CFM or 800
Noise (dB(A))	≤63
Rated Power (W)	110
Rated Voltage (V~)	110
Rated Frequency (Hz)	50-60
Weight (Lbs)	45.2
Size (Inches)	30.7 (H) * 15.7 (L) * 15.7 (W)

All of the figures listed above comply with international air purifier standards.



Designed by Airdog USA Inc.
Manufactured by Suzhou BeiAng Smart Technology Co., Ltd
No.175, Songbei Road, SIP Suzhou City, Jiangsu Province, China



Warranty

The Company warrants, to the original purchaser only, this product to be free from defects in workmanship and materials under normal use and service (all except human matters) for 1 year from the date of receiving.

 Customer Service : airdogint@gmail.com

 Official Website : www.airdogint.com

 Address(China) : Building 1, NO. 175 Songbei Road,
Suzhou Industrial Park, Suzhou, Jiangsu, China

 Address(USA) : AirdogUSA Service Center
1611 W. SAN Bernardino rd, unit 10, West Covina,
CA 91790



Scan QR code for more Video
Instructions (Airdog Youtube channels)



Please Recycle