

AIRTHEREAL AEH300

Airthereal AEH300 2-in-1 Air Purifier and Humidifier User Manual

Model: AEH300

1. INTRODUCTION AND OVERVIEW

The Airthereal AEH300 is a versatile 2-in-1 appliance designed to improve your indoor air quality and comfort. It combines the functions of an air purifier and a humidifier in a single unit. This device features advanced filtration technology for air purification and maintains optimal humidity levels to alleviate dryness.

Key features include:

- **2-in-1 Functionality:** Combines air purification and humidification.
- **Advanced Air Purification:** Utilizes a 3-layer filtration system to remove airborne pollutants, allergens, and odors.
- **Optimal Humidification:** Maintains desired humidity levels, beneficial during dry seasons.
- **User-Friendly Design:** Features an intuitive interface with easy-to-use controls.
- **Quiet Sleep Mode:** Operates at a low noise level for undisturbed rest.
- **Auto Humidity Control:** Automatically adjusts humidity to a comfortable level.
- **Air Quality Monitor:** Detects PM2.5 levels and provides real-time feedback.
- **Timer Function:** Customizable operation from 1 to 24 hours.
- **Child Lock:** Prevents accidental changes to settings.

2-in-1 Air Purifier & Humidifier



Image: Airthereal AEH300 2-in-1 Air Purifier and Humidifier with key features such as 3-in-1 HEPA filter, Sleep Mode, 1.5L Water Tank, 4 Wind Speed, Auto Humidity Control, PM2.5 Detection, 1-24H Timer Setting, Auto Mode, and Child Lock.

2. SAFETY INSTRUCTIONS

Please read all safety instructions carefully before using the Airthereal AEH300 to prevent injury or damage to the device.

- Always place the unit on a firm, level surface.
- Do not block air inlets or outlets.
- Keep the unit away from water and other liquids.
- Unplug the unit before cleaning or performing any maintenance.
- Do not use the unit if the power cord or plug is damaged.
- Keep out of reach of children and pets.
- Use only original Airthereal replacement filters.
- Do not attempt to repair or modify the unit yourself. Contact customer support for assistance.

3. PRODUCT COMPONENTS AND FILTRATION SYSTEM

The Airthereal AEH300 consists of a main unit, a multi-layer air filter, and a humidifier filter. The air purification system employs a 3-layer filtration process:

1. **Pre-Filter (Nylon Mesh):** Captures large particles such as dust, lint, and pet hair.
2. **HEPA Filter:** Traps fine particles like PM2.5, pollen, and pet dander.
3. **Activated Carbon Filter:** Absorbs odors, smoke, and harmful gases like formaldehyde and toluene.



Image: Diagram illustrating the 3-layer powerful filtration system for deep air purification, showing the Pre-Filter (Nylon Mesh), HEPA Filter, and Activated Carbon Filter.

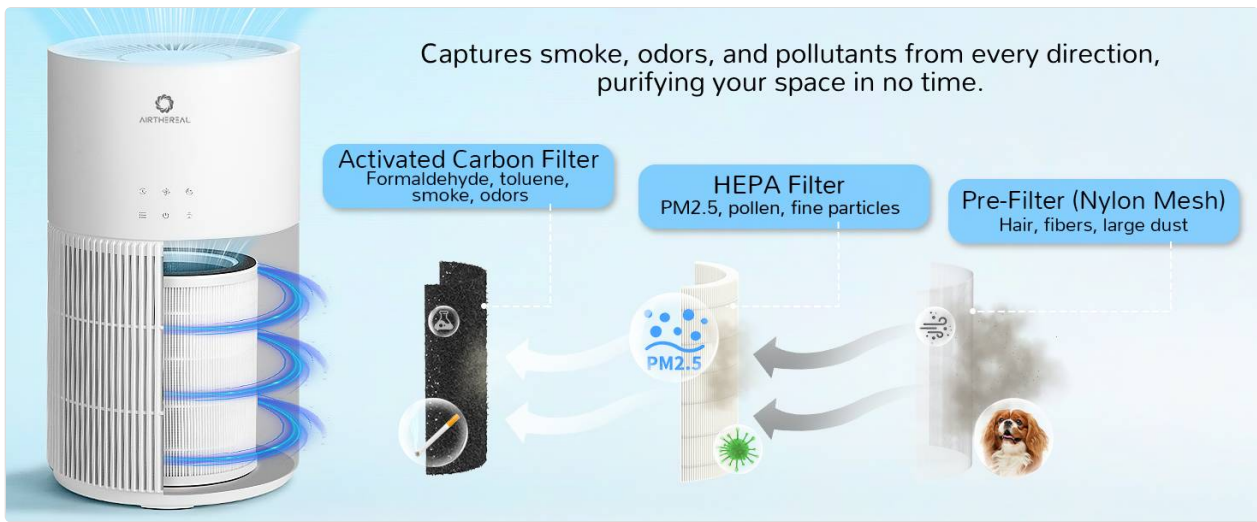


Image: Detailed diagram of the air purification process, showing how the Pre-Filter, HEPA Filter, and Activated Carbon Filter capture smoke, odors, and pollutants.

4. SETUP

Follow these steps to set up your Airthereal AEH300 unit:

- 1. Unpack the Unit:** Carefully remove the unit and all packaging materials from the box.
- 2. Place the Unit:** Position the unit on a flat, stable surface, ensuring there is at least 6 inches (15 cm) of space around all sides for proper airflow.
- 3. Install/Check Filters:** The filters are typically pre-installed but may be wrapped in plastic for shipping. Open the bottom cover to access the air filter and ensure it is unwrapped and correctly seated. For the humidifier filter, open the top lid of the water tank, twist to unlock and remove the filter, remove any plastic, then insert the new filter and twist to lock.



Image: Step-by-step guide for replacing the humidifier filter: 1. Open the lid on top of the water tank. 2. Twist to unlock and remove the filter. 3. Insert the new filter. 4. Twist to lock. 5. Close the lid.

- 4. Fill the Water Tank (for Humidifier function):** Open the top lid of the unit. Pour clean, cool tap water directly into the water tank. Do not exceed the maximum fill line (1.5L / 3 Pints). Close the lid securely.



Image: User pouring water directly into the top-fill water tank of the Airthereal AEH300, demonstrating the easy top-fill design.

5. **Connect Power:** Plug the power cord into a standard electrical outlet.



5. OPERATING INSTRUCTIONS

The control panel is located on the top of the unit. Use the touch controls to operate the device.

Power On/Off

- Touch the **Power button** () to turn the unit on or off.

Modes

- **Auto Mode:** Touch the **Auto button** () to activate. The unit will automatically adjust fan speed based on detected PM2.5 levels.
- **Sleep Mode:** Touch the **Sleep button** () to enter sleep mode. The display lights will dim or turn off, and the fan will operate at its lowest, quietest setting.

Auto Mode



Image: Airthereal AEH300 operating in Auto Mode. The unit detects indoor air quality (PM2.5) and automatically adjusts the wind speed from level 1 to 4 to purify the air.

Whisper-Quiet Sleep Mode for Peaceful Rest



Display
Light Off



1-24 Hour
Timer

Air Quality Indicator

- Green - Good
- Orange - Medium
- Red - Unhealthy



Image: Airthereal AEH300 in Whisper-Quiet Sleep Mode (24dB). The display light is off, and a 1-24 hour timer can be set. Air quality indicators (Green: Good, Orange: Medium, Red: Unhealthy) are shown.

Fan Speed

- Touch the **Fan Speed button** (🌀) repeatedly to cycle through 4 fan speed levels.

Timer

- Touch the **Timer button** (🕒) to set the operating time from 1 to 24 hours. The unit will automatically turn off after the set time.

Child Lock

- Press and hold the **Child Lock button** (🔒) for 3 seconds to activate or deactivate the child lock. When active, other buttons will not respond.

Air Quality Display

- The digital display shows real-time PM2.5 levels. A color indicator light changes based on air quality:
 - Green:** Good air quality ($PM_{2.5} \leq 12$)
 - Orange:** Medium air quality ($12 < PM_{2.5} \leq 35$)

- **Red:** Unhealthy air quality (PM2.5 > 35)



Image: Display showing PM2.5 levels and corresponding air quality indicators (Green for Good, Orange for Medium, Red for Unhealthy).



Image: Comparison showing the unit operating with the humidifier function (adding moisture) versus air purifier only (enjoying fresh, clean air).

6. MAINTENANCE

Regular maintenance ensures the optimal performance and longevity of your Airthereal AEH300.

Air Filter Replacement

The air filter should be replaced periodically, typically every 6-8 months, depending on usage and air quality. The unit comes with 1 spare air filter.

1. Unplug the unit from the power outlet.
2. Turn the unit upside down and twist the bottom cover counter-clockwise to unlock.
3. Remove the old air filter.
4. Insert the new air filter, ensuring it is seated correctly.
5. Replace the bottom cover and twist clockwise to lock.
6. Plug in the unit and reset the filter replacement indicator (if applicable, refer to the full manual for specific button combination).

Humidifier Filter Replacement

The humidifier filter should be replaced every 6 months to maintain efficient humidification and prevent mineral buildup. The unit comes with 2 spare humidifier filters.

- 1. Unplug the unit and remove the top lid.
- 2. Twist the humidifier filter counter-clockwise to unlock and lift it out.
- 3. Discard the old filter.
- 4. Insert a new humidifier filter and twist clockwise to lock it into place.
- 5. Replace the top lid.



Image: Close-up of the humidifier filter, designed for long-lasting freshness and resistance to yellowing.

Cleaning the Unit

- Wipe the exterior of the unit with a soft, dry cloth.
- Do not use abrasive cleaners or solvents.
- Clean the water tank regularly to prevent mold or mildew growth. Use a mild detergent and rinse thoroughly.

7. TROUBLESHOOTING

If you encounter issues with your Airthereal AEH300, please refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Unit does not turn on	No power supply; Power cord not properly plugged in; Child lock activated.	Check power connection; Ensure outlet is functional; Deactivate child lock by pressing and holding the lock button.
No mist/humidification	Water tank is empty; Humidifier filter is clogged or needs replacement; Unit is in air purifier only mode.	Refill water tank; Replace humidifier filter; Ensure humidifier function is active.
Weak airflow/Purification	Air filter is dirty or clogged; Air inlets/outlets are blocked.	Replace air filter; Ensure no obstructions around the unit.
Unusual noise	Unit not on a level surface; Foreign object inside; Filter not installed correctly.	Place on a flat surface; Unplug and check for obstructions; Reinstall filters properly.
Air quality indicator always red/orange	High pollution levels; Sensor is dirty.	Allow unit to run longer; Clean the PM2.5 sensor (refer to full manual for location and cleaning instructions).

If the problem persists after trying these solutions, please contact Airthereal customer support.

8. SPECIFICATIONS

Feature	Specification
Model	AEH300
Functionality	2-in-1 Air Purifier & Humidifier
Air Filtration	3-Layer (Pre-Filter, HEPA, Activated Carbon)
Humidification Type	Evaporative Mist-Free
Water Tank Capacity	1.5 Liters (3 Pints)
Max Water Output	300 ml/h
CADR	300 m³/h
Coverage Area	500-1325 sq ft
Fan Speeds	4 Levels
Noise Level (Sleep Mode)	24 dB
Timer	1-24 Hours Adjustable
Air Quality Display	PM2.5 Real-Time Sensor with Color Indicator
Controls	Touch Control Panel
Dimensions (W x D x H)	9.45 x 9.45 x 21 inches

Compact Design for Any Space



Image: Dimensions of the Airthereal AEH300 (9.45 inches wide, 21 inches tall) and examples of its compact design fitting into various spaces like bedrooms, living rooms, and offices.


AEH300		Others	
	✓	Evaporative Mist-Free Humidification	✓
	✓	Top-Fill Water Tank	✓
	✓	4-Stage Filtration	✗
	✓	Timer 1-24 Hours Adjustable	✗
	✓	Air Quality Display	✗
	✓	Touch Control Panel	✗
	✓	Sleep Mode, Child Lock	✗
	300 m³/h	CADR	150 m³/h
	500-1325 ft²	Coverage Area	150-438 ft²
	9.45×9.45×21 in	Size	7.6×7.6×21.8 in

Image: A comparison table highlighting the Airthereal AEH300's features such as Evaporative Mist-Free Humidification, Top-Fill Water Tank, 4-Stage Filtration, 1-24 Hours Timer, Air Quality Display, Touch Control Panel, Sleep Mode, Child Lock, CADR of 300 m³/h, Coverage Area of 500-1325 ft², and Size of 9.45x9.45x21 inches.

9. WARRANTY AND SUPPORT

Airthereal products are designed for reliability and performance. For specific warranty information regarding your AEH300 unit, please refer to the warranty card included in your product packaging or visit the official Airthereal website.

If you require technical assistance, have questions about your product, or need to order replacement parts, please contact Airthereal Customer Support:

- **Website:** www.airthereal.com
- **Email:** Refer to the official website for customer service contact email.
- **Phone:** Refer to the official website for customer service phone number.

Please have your model number (AEH300) and purchase date ready when contacting support.