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› [Coway Airmega AP-1512HH\(W\) True HEPA Purifier User Manual](#)

Coway AP-1512HH

Coway Airmega AP-1512HH(W) True HEPA Purifier

MODEL: AP-1512HH

Brand: Coway

1. PRODUCT OVERVIEW

The Coway Airmega AP-1512HH(W) is a high-performance True HEPA Air Purifier designed to effectively remove impurities from your indoor air. It features a robust 4-stage filtration system, intelligent air quality monitoring, and energy-efficient operation to ensure a cleaner and healthier living environment.

Key features include:

- **4-Stage Filtration System:** Includes a Pre-filter, Deodorization filter, True HEPA filter, and Vital Ionizer to capture 99.97% of particles as small as 0.3 microns.
- **Real-Time Air Quality Monitoring:** Provides visual feedback on air quality via an intuitive LED indicator.
- **Auto Mode:** Automatically adjusts fan speed based on detected air quality.
- **Eco Mode:** Conserves energy by stopping the fan when no pollution is detected for 30 minutes.
- **Timer Settings:** Allows scheduling operation for 1, 4, or 8 hours.
- **Filter Replacement Indicator:** Notifies when filters require cleaning or replacement.

Airmega Mighty

AP-1512HH(W) - 120 V



361ft²
Coverage



3-Stage
Filtration



Air Quality
Indicator



Auto,
Eco Mode



Filter Replacement
Indicator



1,4,8 Timer
Settings



Figure 1.1: Overview of the Coway Airmega AP-1512HH(W) and its primary features.

Powerful Purification



Figure 1.2: Illustration of the air purifier's powerful purification and air circulation within a living space.

2. SETUP INSTRUCTIONS

Follow these steps to set up your Coway Airmega AP-1512HH(W) air purifier.

1. **Unpack the Unit:** Carefully remove the air purifier and all packaging materials from the box.
2. **Remove Filter Packaging:** Open the front cover of the air purifier. Remove the plastic packaging from the Deodorization filter and True HEPA filter. The Pre-filter does not have plastic packaging.
3. **Install Filters:** Insert the filters back into the unit in the correct order: True HEPA filter first, followed by the Deodorization filter, and then the Pre-filter. Ensure they are seated properly.
4. **Close Cover:** Securely close the front cover.
5. **Placement:** Place the air purifier on a flat, stable surface, ensuring adequate space around the air intake and outlet for optimal airflow. Avoid placing it directly against walls or furniture.

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



Figure 2.1: The 3-stage filtration system, showing the Pre-Filter, Deodorization Filter, and True HEPA Filter.

3. OPERATING INSTRUCTIONS

Familiarize yourself with the control panel and operating modes of your air purifier.

3.1 Control Panel

The control panel is located on the top of the unit and features various buttons and indicators for easy operation.

3.2 Power On/Off

Press the **Power button** (🔌) to turn the unit on or off.

3.3 Fan Speed Control

Press the **Speed button** (🌀) to cycle through fan speeds: 1 (Low), 2 (Medium), 3 (High).

3.4 Auto Mode

Press the **Auto button** (🌀) to activate Auto Mode. In this mode, the air purifier automatically adjusts the fan speed based on the real-time air quality detected by its pollution sensor.



Figure 3.1: Automatic fan speed adjustment and Eco Mode operation based on detected air quality.

3.5 Eco Mode

Eco Mode is automatically engaged when the air quality remains clean for 30 minutes in Auto Mode. The fan will stop to save energy and will resume operation if pollution is detected.

3.6 Timer Settings

Press the **Timer button** (🕒) to set the operating time for 1, 4, or 8 hours. The unit will automatically power off after the selected duration.

Timer Settings

Schedule the unit to purify
1, 4 or 8 hours of use, and conserve energy



Figure 3.2: Setting the timer for 1, 4, or 8 hours of operation.

3.7 Ionizer Function (Vital Ion)

Press the **Ion button** (🕒) to turn the Vital Ionizer function on or off. The ionizer helps to further reduce airborne particles.

3.8 Air Quality Indicator

The LED light on the control panel indicates the current indoor air quality:

- **Blue:** Good air quality
- **Purple:** Moderate air quality
- **Red:** Unhealthy air quality

Real-Time Air Quality Monitoring

The pollution monitor indicates air quality and adjusts purification to the necessary level



Figure 3.3: Real-time air quality monitoring indicated by the LED color.

4. MAINTENANCE

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

4.1 Filter Replacement Indicator

The unit is equipped with a filter replacement indicator that illuminates when the True HEPA Filter or Deodorization Filter needs attention. The HEPA light indicates the True HEPA filter, and the ODOR light indicates the Deodorization filter.

Filter Replacement Indicator

It tells you when the True HEPA Filter and Deodorization Filter need to be replaced



Figure 4.1: Filter replacement indicator lights for HEPA and Odor filters.

4.2 Pre-Filter Cleaning

The Pre-filter is washable and should be cleaned regularly (approximately every 2-4 weeks, depending on usage and air quality).

1. Open the front cover and pull out the Pre-filter.
2. Clean the filter with water or a vacuum cleaner. Ensure it is completely dry before re-installing.
3. Fit the cover back to the product.

4.3 Deodorization Filter and True HEPA Filter Replacement

The Deodorization filter typically needs replacement every 6 months, and the True HEPA filter typically needs replacement every 12 months. Replacement frequency may vary based on usage and air quality.

1. Open the front cover and pull out the old filters.
2. Remove the plastic packing from the new filters before installing.
3. Install the new filters in the proper order: True HEPA filter first, then the Deodorization filter.
4. Close the front cover.

4.4 Resetting the Filter Indicator

After cleaning or replacing filters, press and hold the **Filter Reset button** (🔁) for approximately 2 seconds until the indicator light turns off.

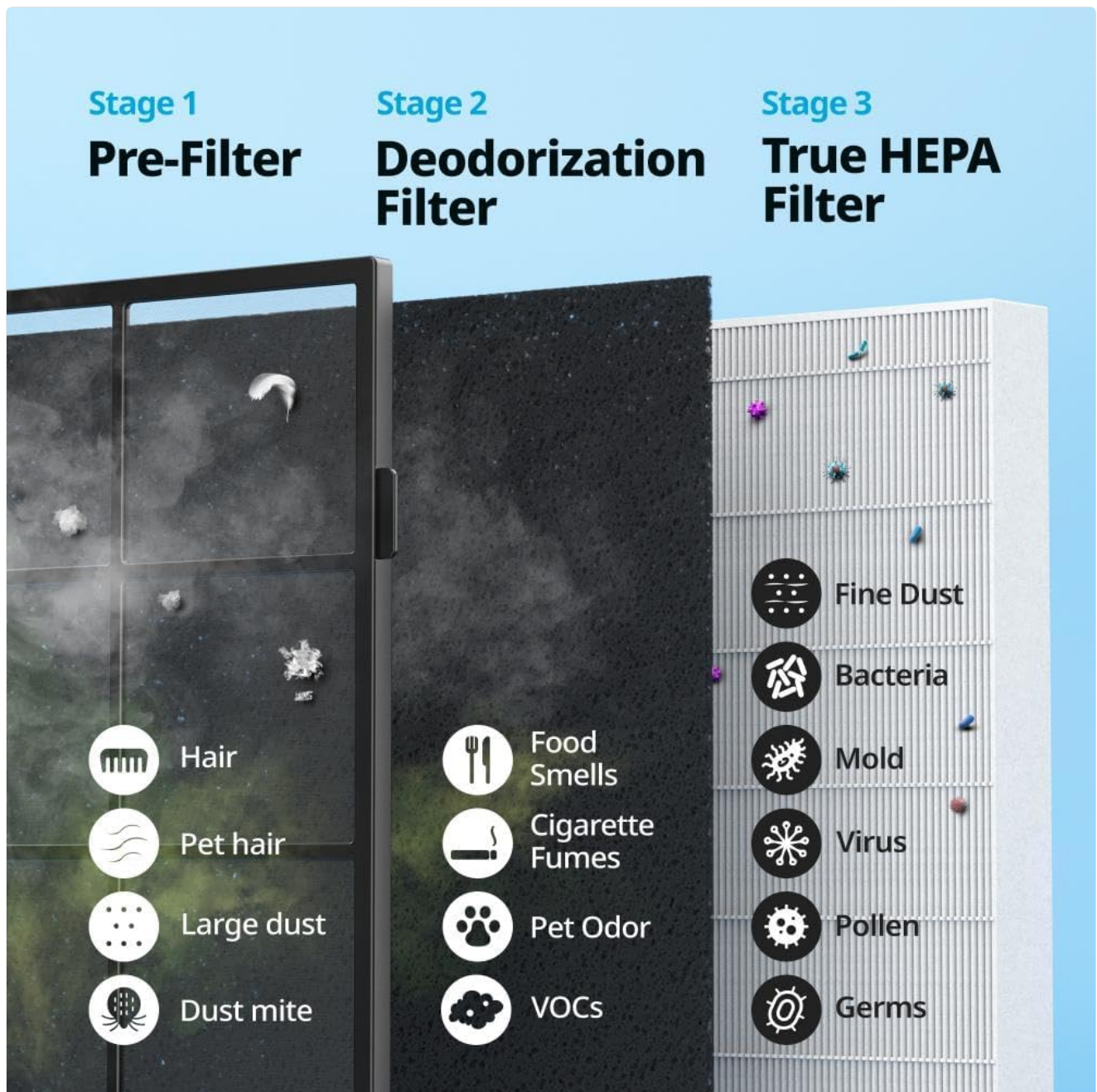


Figure 4.2: Detailed view of what each filter stage (Pre-Filter, Deodorization, True HEPA) is designed to capture.

5. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Unit does not turn on	Power cord not properly plugged in; No power to outlet; Front cover not closed properly.	Check power cord connection; Check power outlet; Ensure front cover is securely closed.

Problem	Possible Cause	Solution
Air quality indicator always blue/red	Sensor dirty; Extreme air quality conditions.	Clean the air quality sensor (refer to user manual for location); Allow time for air quality to stabilize.
Unusual noise from unit	Filters not installed correctly; Obstruction in fan; Unit not on a stable surface.	Re-install filters; Check for and remove any obstructions; Place unit on a flat, stable surface.
Filter indicator light remains on after replacement	Filter reset button not pressed.	Press and hold the Filter Reset button for 2 seconds until the light turns off.

6. SPECIFICATIONS

Feature	Detail
Model Number	AP-1512HH
Dimensions (D x W x H)	9.6"D x 16.8"W x 18.3"H
Item Weight	12.5 pounds
Coverage Area	Up to 361 Square Feet
Noise Level	24.4 dB to 53.8 dB
Wattage	77 watts
Filtration System	4-Stage (Pre-filter, Deodorization filter, True HEPA filter, Vital Ion)
Particle Retention Size	0.3 microns (99.97%)
Controller Type	Button Control
Certifications	ETL Certified, CARB Certified, ENERGY STAR rated

7. WARRANTY INFORMATION

The Coway Airmega AP-1512HH(W) comes with a limited manufacturer's warranty. This warranty covers any internal/functional parts for 1 year and motor and electronic parts for 3 years. Filters are excluded from the warranty. For detailed warranty terms and conditions, please refer to the official warranty document included with your product.

or contact Coway customer support.

8. CUSTOMER SUPPORT & RESOURCES

For further assistance, technical support, or to purchase replacement filters, please contact Coway customer service or visit their official website.

You can also download the full User Manual in PDF format for more detailed information:

[Download User Manual \(PDF\)](#)