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Clean Air Optima CA-503B Compact Smart

Clean Air Optima CA-503B Compact Smart Air Purifier User Manual

Model: CA-503B Compact Smart

Brand: Clean Air Optima

1. INTRODUCTION

Thank you for choosing the Clean Air Optima CA-503B Compact Smart Air Purifier. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new air purifier. Please read it thoroughly before use and keep it for future reference.

The CA-503B Compact Smart is designed to improve indoor air quality by effectively removing various airborne pollutants. Its compact design and advanced filtration system make it suitable for rooms up to 30 m² / 75 m³.

Clean Air
Optima®

Clean Air Optima Air purifier

Health and well-being
is in the air

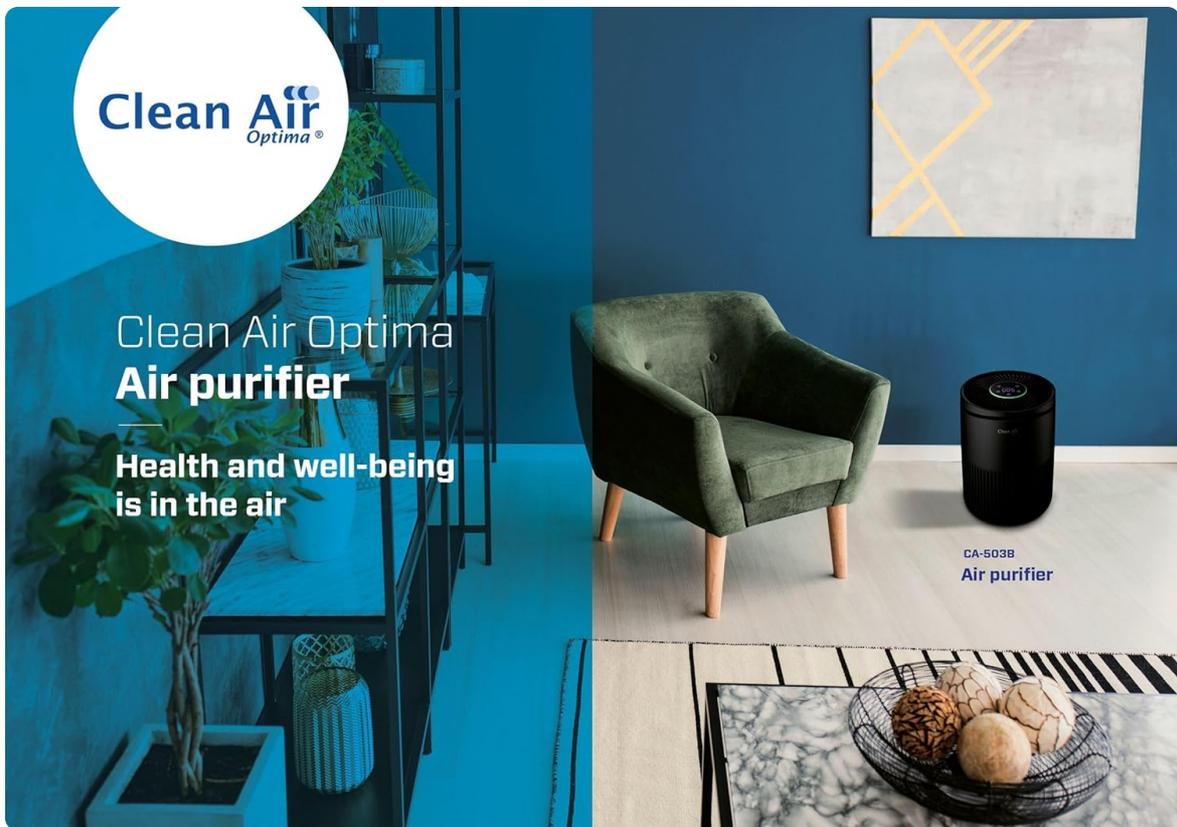


Image: The Clean Air Optima CA-503B Air Purifier positioned on a desk in an office environment, demonstrating its compact size and suitability for various indoor spaces.

2. SAFETY INSTRUCTIONS

- Read all instructions carefully before using the appliance.
- Ensure the power supply voltage matches the rating label on the appliance.
- Do not operate the appliance with a damaged cord or plug.
- Keep the appliance away from water and other liquids.
- Do not insert objects into the air inlet or outlet.
- Unplug the appliance before cleaning or performing any maintenance.
- This appliance is for indoor use only.
- Keep out of reach of children.

3. PRODUCT OVERVIEW

Key Features

- **Advanced Filtration Technologies:** Pre-filter, TRUE HEPA (H13) filter, photocatalytic TiO₂ filter, activated carbon filter, UV-C LED lamp, and ionizer.
- **High CADR Value:** 140 m³ of particle-free air per hour.

- **Smart Control:** PM2.5 sensor, automatic mode, and control via the Clean Air Optima app.
- **Quiet Operation:** As low as 10 dB(A) in sleep mode.
- **360° Airflow System:** Ensures efficient air distribution throughout the room.
- **Aromatherapy Function:** Integrated tray for essential oils.

Components and Controls



Image: The Clean Air Optima CA-503B Air Purifier next to a smartphone displaying the Clean Air Optima control application, highlighting its smart features.



Digital air quality control



Image: A close-up top view of the air purifier's control panel, showing the digital display for air quality (PM2.5) and various control buttons.

The control panel on top of the unit features touch-sensitive buttons for power, fan speed, UV-C, ionizer, timer, and mode selection. The digital display shows real-time PM2.5 levels and other operational indicators.



Image: An illustration showing the 360-degree airflow system of the Clean Air Optima CA-503B, with arrows indicating air intake from the bottom and purified air output from the top.

4. SETUP

Unpacking and Filter Installation

1. Carefully remove the air purifier from its packaging.
2. Unscrew the bottom cover of the unit.
3. Remove the composite filter (pre-filter, HEPA, activated carbon, TiO₂) from its protective plastic packaging.
4. Insert the filter back into the unit, ensuring it is seated correctly.
5. Replace and secure the bottom cover.

Aromatherapy



Image: A visual guide demonstrating the process of replacing the filter in the Clean Air Optima CA-503B Air Purifier, showing the filter being removed from the bottom of the unit.

Placement

Place the air purifier on a flat, stable surface. Ensure there is adequate space (at least 20 cm) around the unit for optimal airflow.

Power Connection

Plug the power cord into a suitable electrical outlet (AC 220-240V / 50Hz).

5. OPERATING INSTRUCTIONS

Control Panel Operation

- **Power On/Off:** Press the power button to turn the unit on or off.
- **Fan Speed:** Cycle through low, medium, and high fan speeds.
- **Mode Selection:** Choose between Automatic mode (adjusts fan speed based on air quality),

Sleep mode (lowest fan speed, minimal noise), or manual speed settings.

- **UV-C LED Lamp:** Activate or deactivate the UV-C lamp for enhanced sterilization.
- **Ionizer:** Turn the ionizer function on or off to release negative ions.
- **Timer:** Set the operating time for 1, 4, or 8 hours.

Smart App Control

Download the Clean Air Optima app from the Google Play Store or Apple App Store to control your device remotely, monitor air quality, and access additional features.

Aromatherapy Function

Locate the aromatherapy tray on the side of the unit. Add a few drops of your preferred essential oil to the pad in the tray. Close the tray to diffuse the scent into the purified air.



Image: A detailed view of the aromatherapy tray on the side of the air purifier, indicated by an 'Aroma' label, where essential oils can be added.

6. MAINTENANCE

Filter Replacement

The composite filter (pre-filter, TRUE HEPA H13, activated carbon, TiO₂) should be replaced every 6 to 8 months, depending on usage and air quality. The unit may indicate when a filter change is due.

1. Unplug the air purifier from the power outlet.
2. Unscrew the bottom cover and remove the old filter.
3. Dispose of the old filter responsibly.
4. Insert a new Clean Air Optima composite filter, ensuring correct orientation.
5. Replace and secure the bottom cover.
6. Plug in the unit and reset the filter life indicator (refer to app or manual for specific steps).

Cleaning

- **Exterior:** Wipe the exterior surfaces with a soft, damp cloth. Do not use abrasive cleaners.
- **Air Quality Sensor:** Clean the lens, inlet, and outlet of the PM_{2.5} particle sensor every 2 months with a dry cotton swab to maintain accurate readings.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; power cord not properly connected.	Check power connection; ensure outlet is functional.
Weak airflow	Filter is dirty or clogged.	Clean or replace the filter.
Unusual noise	Foreign object in the fan; unit not on a stable surface.	Check for obstructions; place on a flat surface.
Poor air purification	Filter needs replacement; room size exceeds capacity.	Replace filter; ensure unit is used in appropriate room size.
App connection issues	Wi-Fi signal weak; incorrect app settings.	Ensure strong Wi-Fi; reconfigure app connection.

8. SPECIFICATIONS

Brand	Clean Air Optima
Model	CA-503B Compact Smart
Color	Black

Dimensions (L x W x H)	20.6 x 20.6 x 27.4 cm
Weight	1.89 Kilograms
Power	22 Watts
Noise Level	10 dB (A) (Sleep Mode) / 15 dB (A) (Low) / 25 dB (A) (Medium) / 50 dB (A) (High)
CADR Value	140 m ³ /h
Recommended Room Size	Up to 30 m ² / 75 m ³
Controller Type	Touch
Automatic Shut-off Function	Yes
Filtration Technologies	Pre-filter, TRUE HEPA (H13), Photocatalytic TiO ₂ , Activated Carbon, UV-C LED, Ionizer



Image: The Clean Air Optima CA-503B Air Purifier with its dimensions (diameter 206 mm, height 274 mm) clearly marked.

9. OFFICIAL PRODUCT VIDEO

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Video: An official product video from Clean Air Optima International demonstrating the features and benefits of a Clean Air Optima HEPA UV Smart Air Purifier (CA-510Pro Smart model). This video showcases the multi-stage filtration, smart sensor, and user-friendly controls, providing a comprehensive overview of the brand's air purification technology.

10. WARRANTY AND SUPPORT

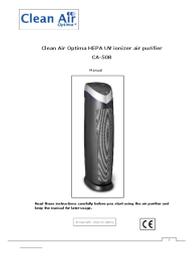
This product is covered by a manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions. For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact Clean Air Optima International customer service.

The return policy allows for refunds or replacements within 31 days of purchase, subject to the seller's terms.

For further assistance, please visit the [Clean Air Optima Store on Amazon](#).

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Related Documents - CA-503B Compact Smart

	<p>Clean Air Optima CA-503B Compact Smart Air Purifier User Manual</p> <p>Official user manual for the Clean Air Optima CA-503B Compact Smart air purifier. Find detailed instructions on setup, operation, features like HEPA filtration, UV, Ion, aromatherapy, app control, maintenance, and troubleshooting for healthier indoor air.</p>
	<p>Clean Air Optima CA-508 HEPA UV Ionizer Air Purifier Manual</p> <p>Comprehensive user manual for the Clean Air Optima CA-508 HEPA UV ionizer air purifier, detailing features, operation, maintenance, troubleshooting, and specifications for effective air purification.</p>
	<p>Clean Air Optima CA-510Pro Intelligent Air Purifier: User Manual & Guide</p> <p>Official user manual for the Clean Air Optima CA-510Pro Intelligent Air Purifier. Learn about its advanced features, HEPA filtration, operation, safety guidelines, maintenance, and troubleshooting for optimal indoor air quality.</p>
	<p>Clean Air Optima Intelligent Air Purifier CA-509Pro Smart User Manual</p> <p>User manual for the Clean Air Optima Intelligent Air Purifier CA-509Pro Smart. Learn about its features, operation, maintenance, and troubleshooting for optimal indoor air quality.</p>



[Clean Air Optima CA-509Pro Smart Intelligent Air Purifier Manual](#)

This manual provides comprehensive guidance for the Clean Air Optima CA-509Pro Smart, an intelligent air purifier designed to enhance indoor air quality. Learn about its advanced dual airflow, dual filter, and dual ionizer systems for effective air purification.



[Clean Air Optima CA-510Pro Smart Intelligent Air Purifier User Manual](#)

Comprehensive user manual for the Clean Air Optima CA-510Pro Smart Intelligent Air Purifier. Learn about its features, operation, maintenance, and troubleshooting for optimal indoor air quality.