

[Manuals.plus](#) /

› [Clean Air Optima](#) /

› Clean Air Optima CA-605 Humidifier with Ionizer User Manual

## Clean Air Optima CA-605

# Clean Air Optima CA-605 Humidifier with Ionizer User Manual

Model: CA-605B Smart

## 1. INTRODUCTION

---

Thank you for choosing the Clean Air Optima CA-605 Humidifier with Ionizer. This ultrasonic humidifier is designed to improve indoor air quality by maintaining optimal humidity levels and purifying the air with its integrated ionizer. It features both cool and warm mist options, a digital hygrostat, a 12-hour timer, and a 360° rotatable double nozzle for efficient humidification in rooms up to 65 m<sup>2</sup> (160 m<sup>3</sup>). Please read this manual carefully before use to ensure proper operation and maintenance.



Figure 1: Front view of the Clean Air Optima CA-605 Humidifier.

## 2. SAFETY INSTRUCTIONS

- Always place the humidifier on a firm, flat, and waterproof surface.
- Do not place the unit near heat sources or in direct sunlight.
- Keep the humidifier out of reach of children and pets.
- Use only clean, cool tap water or distilled water. Do not use hot water.
- Do not add essential oils directly into the water tank unless specifically designed for aromatherapy diffusers. Use the designated aromatherapy tray if available.
- Unplug the unit before filling, cleaning, or moving it.
- Do not immerse the base unit in water or other liquids.
- Regularly clean the unit to prevent mineral buildup and bacterial growth.
- If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid a hazard.

## 3. PRODUCT COMPONENTS

Familiarize yourself with the main parts of your Clean Air Optima CA-605 humidifier:

- Main Unit with Water Tank
- Digital Display and Control Panel
- Mist Nozzle (360° rotatable double nozzle)
- Remote Control
- Aromatherapy Tray (if applicable)



Figure 2: Overview of humidifier features including ionizer, top filling, ultra-quiet system, digital display, and aromatherapy.



Figure 3: Top view showing the water tank opening for easy refilling.



Figure 4: The included remote control for convenient operation.

## 4. SETUP

---

### 4.1 Unpacking

Carefully remove the humidifier from its packaging. Retain the packaging for future storage or transport. Check for any damage during transit. Ensure all components listed in Section 3 are present.

### 4.2 Placement

Place the humidifier on a stable, level, and water-resistant surface at least 15 cm away from walls and furniture. Ensure the mist outlet is not directed towards walls, furniture, or electronic devices. For optimal performance, place it in a central location within the room.

### 4.3 Filling the Water Tank

1. Ensure the unit is unplugged from the power outlet.
2. Remove the top cover of the humidifier.
3. Fill the water tank with clean, cool tap water or distilled water. Do not exceed the maximum fill line. The tank capacity is 5 liters.
4. Replace the top cover securely.

### 4.4 Power Connection

Plug the power cord into a suitable electrical outlet (220 Volts AC). The unit will enter standby mode, and the display may show a standby indicator.

## 5. OPERATING INSTRUCTIONS

---

The Clean Air Optima CA-605 can be operated via its touch control panel or the included remote control.



Figure 5: Digital LCD display and control buttons.

### 5.1 Power On/Off

Press the Power button (**U**) on the control panel or remote control to turn the unit on or off. The display will illuminate when the unit is active.

### 5.2 Mist Output Control

Press the Mist button (often indicated by a cloud icon) to cycle through different mist output levels (e.g., Low, Medium, High). The current setting will be shown on the display.



Figure 6: The humidifier actively releasing mist into the air.

### 5.3 Humidity Setting (Hygrostat)

Press the Humidity button (often indicated by a %RH icon) to set your desired humidity level. The digital hygrostat allows you to set the humidity between 45% and 90%. The unit will automatically turn on or off to maintain the set

humidity level.

### 5.4 Warm/Cool Mist Function

Press the Warm Mist button (often indicated by a heat icon) to activate the warm mist function. Press it again to switch back to cool mist. Warm mist can help raise room temperature slightly and is often preferred in colder environments.

### 5.5 Ionizer Function

Press the Ionizer button (often indicated by an ion icon) to activate the air ionizer. The ionizer releases negative ions into the air, which attach to airborne particles, microorganisms, and other pollutants, causing them to fall to the ground where they can be more easily removed or filtered by the device.

### 5.6 Timer Function

Press the Timer button (often indicated by a clock icon) to set the operating time. You can set the timer for up to 12 hours. The unit will automatically turn off once the set time has elapsed.

### 5.7 Adjusting Mist Direction

The CA-605 features a 360° rotatable double nozzle. Manually adjust the direction of the mist outlets to distribute humidity evenly throughout the room or direct it to a specific area.



Figure 7: The 360° rotatable double mist nozzle allows for flexible mist direction.

## 6. MAINTENANCE

---

Regular cleaning is crucial for the efficient and hygienic operation of your humidifier. Neglecting maintenance can lead to mineral buildup, unpleasant odors, and reduced performance.

### 6.1 Daily Maintenance

- Unplug the unit and empty any remaining water from the tank and base.
- Rinse the water tank and base thoroughly with fresh water.
- Refill with fresh water before each use.

### 6.2 Weekly Cleaning and Descaling

To prevent mineral buildup (white dust) and bacterial growth, perform a thorough cleaning weekly. Some users report that cleaning every 2 days helps prevent odors.

1. Unplug the humidifier and remove the top cover.
2. Empty all water from the tank and base.

3. **Descaling the Water Tank:** Fill the water tank with a solution of white vinegar (or a descaling agent recommended for humidifiers) and water (e.g., 1 part vinegar to 2 parts water). Let it soak for 20-30 minutes.
4. **Cleaning the Base Unit:** Pour a small amount of the vinegar solution into the base unit, ensuring it covers the ultrasonic transducer (the small metal disc). Let it soak for 20-30 minutes.
5. After soaking, gently scrub the inside of the tank and the base unit with a soft brush or cloth to remove any mineral deposits. Do not use abrasive cleaners.
6. Rinse all parts thoroughly with clean water until the vinegar smell is gone.
7. Wipe all surfaces dry before reassembling.

### 6.3 Storage

If the humidifier will not be used for an extended period, clean it thoroughly as described above, ensure all parts are completely dry, and store it in its original packaging in a cool, dry place.

## 7. TROUBLESHOOTING

If you encounter issues with your humidifier, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No mist or very little mist	Low water level Mineral buildup on transducer Mist nozzle blocked	Refill water tank Clean the transducer (see Maintenance) Check and clear mist nozzle
Unusual odor from mist	Stagnant water Dirty water tank/base	Empty and rinse tank daily Perform weekly cleaning (see Maintenance)
Unit not turning on	No power Unit not assembled correctly	Check power connection Ensure top cover is properly seated
White dust around unit	Hard water used	Use distilled or demineralized water Clean unit regularly

## 8. SPECIFICATIONS

- **Model Number:** CA-605B Smart
- **Dimensions (L x W x H):** 20.2 x 35 x 27.3 cm
- **Weight:** 2.8 kg
- **Water Tank Capacity:** 5 Liters
- **Coverage Area:** Up to 65 m<sup>2</sup> (160 m<sup>3</sup>)
- **Operation Method:** Ultrasonic
- **Humidification Output:** Min 120 ml/h - Max 480 ml/h
- **Power:** 30 Watts (Cool Mist), 38 Watts (Warm Mist)
- **Voltage:** 220 Volts (AC)
- **Runtime:** Up to 12 hours (with timer)
- **Control Method:** Touch Control Panel, Remote Control
- **Special Features:** Digital Hygrostat (45-90% RH), Ionizer, Warm/Cool Mist, 360° Rotatable Double Nozzle, Timer, Silent Operation

- **Included Components:** Humidifier, Remote Control
- **EAN/UPC:** 08718546310461

## 9. WARRANTY AND SUPPORT

---

Clean Air Optima products are manufactured to high-quality standards. For information regarding warranty terms and conditions, please refer to the warranty card included with your product or visit the official Clean Air Optima website. For technical support, troubleshooting assistance beyond this manual, or spare parts, please contact Clean Air Optima customer service directly.