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› Consciot 110/160 CFM Bathroom Exhaust Fan with LED Light and Nightlight User Manual

Consciot CA08001102

Consciot 110/160 CFM Bathroom Exhaust Fan with LED Light and Nightlight User Manual

Model: CA08001102

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1. INTRODUCTION

This manual provides detailed instructions for the safe installation, operation, and maintenance of your Consciot 110/160 CFM Bathroom Exhaust Fan with LED Light and Nightlight. Please read this manual thoroughly before installation and retain it for future reference. Proper installation and adherence to these instructions will ensure optimal performance and longevity of your product.

Important Safety Information

- Always disconnect power at the circuit breaker before installing or servicing the fan.
- Installation must comply with all local electrical codes and standards.
- Do not use with dimmable wall switches, as this may cause malfunction.
- Ensure the installation opening size is appropriate for the fan housing (11.39" x 10.42").
- Wear safety glasses and gloves during installation.
- If you are not comfortable with electrical wiring, consult a qualified electrician.

2. PRODUCT SPECIFICATIONS

The Consciot 110/160 CFM Bathroom Exhaust Fan is designed to provide efficient ventilation and lighting for your bathroom. Key specifications are listed below:

Feature	Specification
Model Number	CA08001102

Air Flow Capacity	110/160 Cubic Feet Per Minute (CFM) Adjustable
Noise Level	0.8/1.0 Sone
LED Light Brightness	1500 Lumens
LED Light Color Temperature (CCT)	3000K (Warm White), 4000K (Natural White), 5000K (Cool White) Selectable
Nightlight Brightness	200 Lumens (2700K)
Fan Housing Dimensions (D x W x H)	11.39" x 10.42" x 7.9"
Light Cover Size	13.1" x 13.1"
Installation Opening Size	11.39" x 10.42"
Duct Size Compatibility	6-inch circular duct (not included)
Power Source	AC 120V
Wattage	40 watts (fan), 20 watts (light)
Installation Type	Ceiling Mount



Figure 2.1: Detailed product dimensions including fan housing, light cover, and required ceiling opening size. Ensure your installation space matches these measurements.



Figure 2.2: Summary table of key specifications for the Consciot Bathroom Exhaust Fan, including material, exhaust volume, sound level, power, color temperature, nightlight, and brightness.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before beginning installation:

- Bathroom Exhaust Fan Unit (Housing with Motor)
- LED Light Kit (Integrated with cover)
- Fast Bracket (Mounting bracket)
- Screws for Installation
- Drywall Cutout Template
- User Manual



Figure 3.1: Visual representation of the items included in the package, such as the fan housing, light cover, mounting bracket, and screws.

4. INSTALLATION

Follow these steps for proper installation of your Consciot Bathroom Exhaust Fan. It is recommended to have two switches to control the light and fan separately for full functionality.

4.1 Pre-Installation Checks

1. **Verify Ceiling Opening:** Ensure your ceiling opening is 11.39" x 10.42". Use the provided drywall cutout template if creating a new opening or adjusting an existing one.
2. **Power Disconnection:** Turn off power at the circuit breaker before starting any electrical work.
3. **Ducting:** A 6-inch circular duct (not included) is required for ventilation. Ensure it is available and ready for connection.

4.2 Step-by-Step Installation

1. Prepare the Fan Housing:

Remove the duct connector and wire cover from the fan housing. This allows access for wiring and duct attachment.

Your browser does not support the video tag.

Video 4.1: Demonstrates how to remove the duct connector and wire cover from the fan housing, and how to connect the electrical wires. This video is provided by Consciot SC-US (Seller).

2. Connect Electrical Wiring:

Route the electrical wires into the fan housing's junction box. Connect the wires using the provided wire connectors: black to black (live), white to white (neutral), and green to green (ground). Reattach the wire cover securely with the short screw.

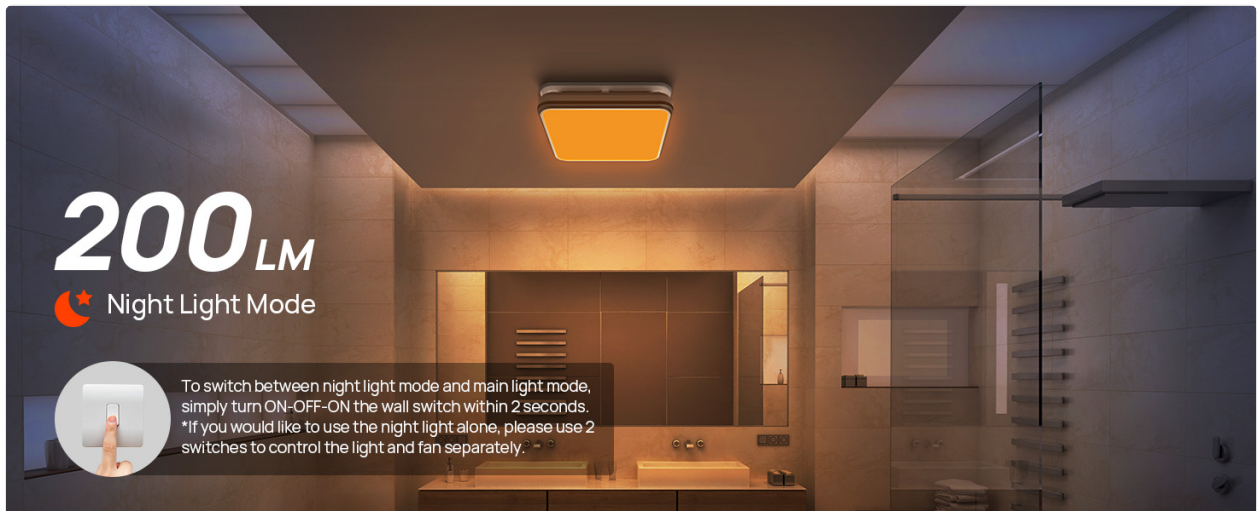


Figure 4.1: Wiring diagram illustrating how to connect the light and motor to separate switches (recommended) or a single switch. Ensure correct wire color matching for safe operation.

3. Install Fan Housing:

Insert the fan housing into the ceiling opening. Use the fast bracket to secure the housing between ceiling joists. Alternatively, you can nail or screw the housing directly to a joist if available. Ensure the housing is flush with the ceiling surface.

4. Connect Ducting:

Attach the 6-inch circular duct to the fan's duct connector. Use duct tape or aluminum tape to ensure air-tight seals and improve efficiency. Avoid deep corrugations of flexible ducting that could block the damper; use semi-rigid ducting if possible.

5. Set CFM (Cubic Feet Per Minute):

Locate the toggle switch on the fan housing to select your desired airflow: 110 CFM or 160 CFM. Adjust according to your room size and ventilation needs.



Figure 4.2: Illustration of the CFM selection switch on the fan housing, allowing users to choose between 110 CFM and 160 CFM settings.

6. Set LED Light Color Temperature (CCT):

Before attaching the light cover, locate the CCT selection switch on the back of the light cover. Choose between 3000K (Warm White), 4000K (Natural White), or 5000K (Cool White) to match your preference.



Figure 4.3: Visual guide for selecting the desired color temperature (3000K, 4000K, or 5000K) using the switch located on the light cover.

7. Attach Light Cover:

Connect the LED wire from the light cover to the plug in the fan housing. Squeeze the springs on the light cover and insert them into the spring guides in the fan housing until the cover is flush with the ceiling.

5. OPERATION

Your Consciot Bathroom Exhaust Fan offers versatile operation for both ventilation and lighting.

5.1 Fan Operation

- The fan operates via a standard wall switch. Turn the switch ON to activate the fan.
- The CFM setting (110 or 160) is pre-selected during installation.
- The fan effectively removes moisture and odors, improving air quality.

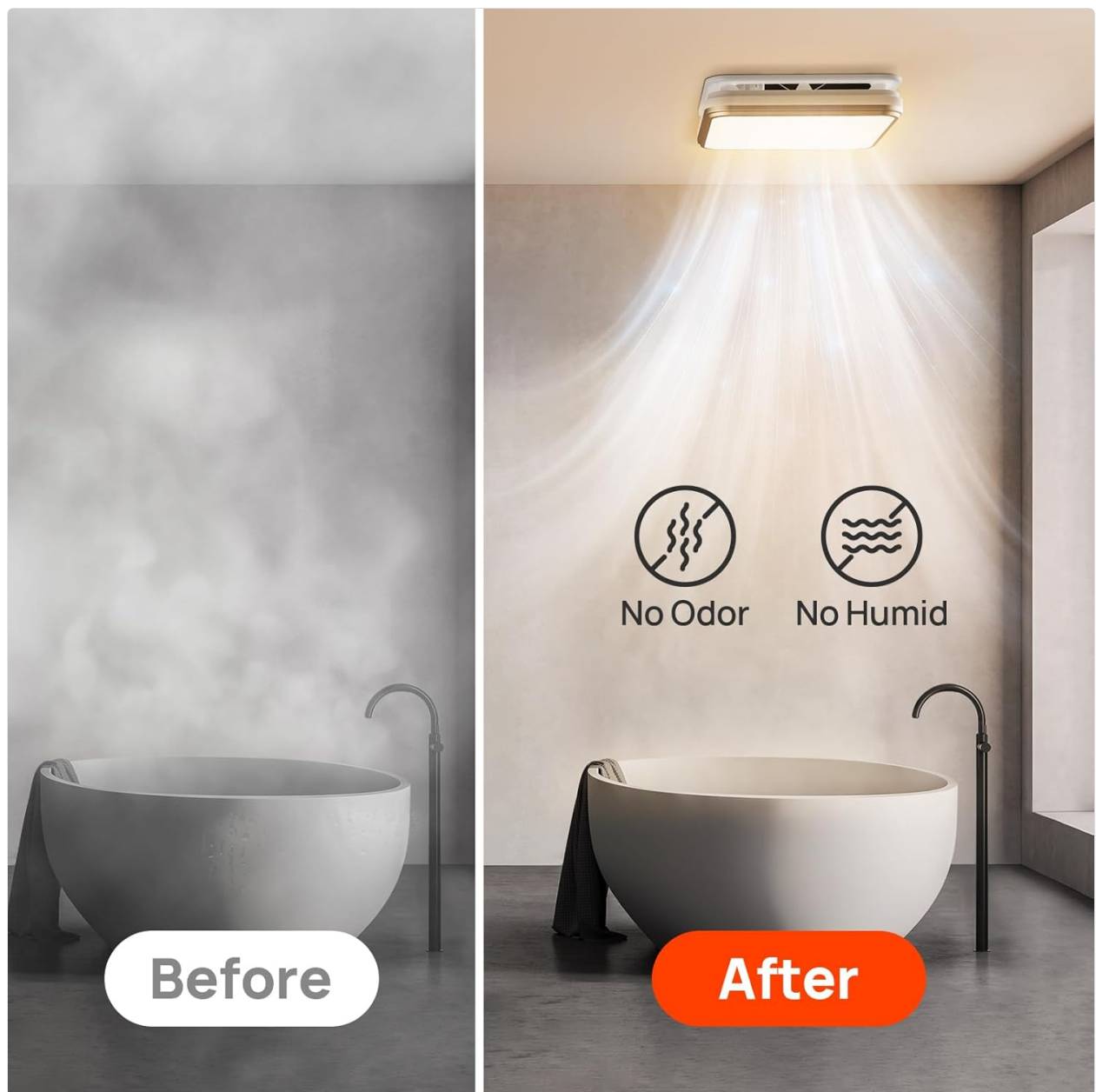


Figure 5.1: Visual comparison of a steamy bathroom before and after the exhaust fan's operation, highlighting its effectiveness in removing humidity and odors.

5.2 LED Light and Nightlight Operation

- The main LED light (1500lm, 3CCT selectable) and nightlight (200lm, 2700K) are controlled by your wall switch.
- To switch between nightlight mode and main light mode, turn the wall switch OFF then back ON again within 2 seconds.
- If you wish to use the nightlight alone, it is recommended to use two separate switches for the light and fan.



Figure 5.2: Depicts the nightlight mode (200lm, 2700K) and provides instructions for toggling between nightlight and main light using the wall switch.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your exhaust fan.

- Cleaning the Light Cover:**
Periodically remove the light cover by gently squeezing the springs. Wipe the cover with a soft, damp cloth. Do not use abrasive cleaners.
- Cleaning the Fan Grille and Motor:**
With the power disconnected, carefully wipe down the fan grille and accessible parts of the motor with a dry cloth or a soft brush to remove dust and debris. Avoid getting moisture into electrical components.
- Inspection:**
Annually inspect the ducting for any blockages or damage. Ensure all connections remain secure.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Fan does not operate	No power, loose wiring, faulty switch	Check circuit breaker. Verify wire connections. Test wall switch.
Light does not turn on	Loose LED wire connection, faulty LED driver	Ensure LED wire is securely plugged into the fan housing. Contact support if issue persists.

Fan is noisy	Loose mounting, debris in fan blades, ducting obstruction	Ensure fan housing is securely mounted. Clean fan blades. Check ducting for obstructions.
Poor ventilation	Incorrect CFM setting, ducting obstruction, fan too small for room	Verify CFM setting is appropriate (160 CFM for larger rooms). Check ducting for blockages. Ensure fan size is adequate for room area (up to 160 sq. ft. for 160 CFM).
Light color temperature changes unexpectedly	Issue with CCT switch or internal electronics	Ensure the CCT switch on the light cover is firmly set to your desired temperature. If using a single switch for light and fan, rapid toggling can sometimes change modes. For consistent mode, turn off for at least 5 minutes before turning on. If problem persists, contact customer support.

8. WARRANTY & SUPPORT

Consciot provides a **3-year warranty** for this product, covering defects in materials and workmanship under normal use. For warranty claims, technical support, or any questions regarding your product, please contact Consciot customer service.

Contact Information: Refer to the contact details provided in your product packaging or visit the official Consciot website for support.