

[Manuals.plus](#) /

› [Akicon](#) /

› Akicon Bathroom Exhaust Fan with Light - Model 1424110 Round Instruction Manual

Akicon 1424110 Round

Akicon Bathroom Exhaust Fan with Light - Model 1424110 Round

Instruction Manual

INTRODUCTION

Thank you for choosing the Akicon Bathroom Exhaust Fan with Light, Model 1424110 Round. This unit is designed to provide efficient ventilation, quiet operation, and integrated lighting for your bathroom. It features a powerful 110 CFM fan with a low 1.5 Sones rating, an LED light, and a nightlight function. This manual provides essential information for safe installation, operation, and maintenance to ensure optimal performance and longevity of your product.



Image: Akicon Bathroom Exhaust Fan with Light, Model 1424110 Round, showcasing its design and integrated light.

SAFETY INFORMATION

Please read and understand all instructions before beginning installation. Failure to follow these instructions may result in electric shock, fire, or serious injury. Keep this manual for future reference.

- Always disconnect power at the service panel before working on the fan or wiring.
- All wiring must be performed by a qualified electrician in accordance with all applicable local and national electrical codes.
- Ensure the fan is properly grounded.
- Do not install this unit in a cooking area.
- This fan is suitable for use over a bathtub or shower when connected to a GFCI-protected branch circuit.
- The fan housing dimensions are 9" x 9" x 7-11/16". Ensure adequate space and attic access for installation, especially in existing constructions.

- Wear safety glasses and gloves during installation.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Fan Housing
- Grille
- Cover
- 12" Suspension Bracket
- 14" Extension Bracket
- Screws
- Grille and Cover Mounting Hardware
- LED Bulb
- Night Light Bulb

SPECIFICATIONS

Feature	Specification
Brand	Akicon
Model Number	1424110 Round
Airflow	110 CFM
Sone Rating	1.5 Sones
Room Size Capacity	Up to 100 sq. ft.
Housing Dimensions (L x W x H)	9" x 9" x 7-11/16"
Light Cover Diameter	15-5/16"
Duct Size	4 inch
Light Source	LED (Main Light), Night Light
Voltage	120 Volts
Wattage	31 watts
Brightness	850 Lumens
Certifications	HVI-certified, cUL listed
Material	Metal, Plastic, Glass Cover



Image: Detailed dimensions and product parameters for the Akicon Bathroom Exhaust Fan.

SETUP AND INSTALLATION

Proper installation is crucial for the performance and safety of your exhaust fan. This unit is designed for ceiling mount installation and typically requires access from an attic or during new construction. Review the following steps and consult the provided installation videos for visual guidance.

Pre-Installation Considerations:

- **Space Requirements:** The fan housing measures 9" x 9" x 7-11/16". Ensure your ceiling opening can accommodate these dimensions.
- **Attic Access:** Installation is significantly easier with attic access. If replacing an existing unit without attic access, careful planning and potential ceiling modification will be required.
- **Ducting:** This unit uses a 4-inch duct. Ensure your existing ductwork is compatible or plan for appropriate modifications. The duct vent attachment is not designed to snap off, so duct connection must be considered during placement.
- **Wiring:** The LED light, nightlight, and fan can be wired jointly or separately to wall switches. Plan your wiring configuration before installation.

Installation Steps:

1. **Prepare the Opening:** Create a ceiling opening of 9" x 9". For replacement, if the existing hole is smaller, enlarge it to match the new housing size. If the existing hole is larger, you may need to reinforce the opening.
2. **Mount the Housing:** Secure the fan housing to the ceiling joists using the provided suspension or extension brackets. Ensure the housing is level and firmly attached. The housing can be mounted in both directions.
3. **Connect Ductwork:** Attach the 4-inch duct to the fan's exhaust port. Ensure a secure and airtight connection to prevent air leakage.
4. **Electrical Wiring:** Connect the electrical wiring according to local codes. The unit requires a 120V AC power source. Wire the fan, main light, and nightlight as desired (jointly or separately). Refer to the wiring diagram in the full instruction manual for detailed connections.
5. **Install Grille and Cover:** Once the housing and wiring are complete, install the grille and light cover. Secure the light cover with the provided hardware. Note that the bolt holding the light in the middle may appear short; ensure it is tightened sufficiently without over-tightening.



Image: Akicon Bathroom Exhaust Fan housing with an installation notice highlighting dimensions.

Installation Videos:

For visual assistance with installation, please refer to the following official Akicon videos:



Video: This video demonstrates the installation process for the glass cover of the Akicon AK1424110 bathroom fan.



Video: This video provides a comprehensive guide for the installation of the Akicon Bathroom Fan AK1424110 Series.

OPERATING INSTRUCTIONS

The Akicon Bathroom Exhaust Fan with Light is designed for simple operation via standard wall switches.

- **Fan Operation:** Activate the fan by flipping the designated wall switch. The 110 CFM fan will begin to extract moisture and odors from the bathroom.
- **Main Light Operation:** Turn on the main LED light using its dedicated wall switch. This provides bright illumination for your bathroom.

- **Nightlight Operation:** If wired separately, the nightlight can be activated independently via its own wall switch, providing a soft, low-level light.
- **Combined Operation:** If the fan, main light, and nightlight were wired to a single switch or a combination of switches, their operation will correspond to the switch configuration.



Image: Diagram illustrating the key features of the Akicon Bathroom Exhaust Fan, including quiet operation and strong airflow.

MAINTENANCE

Regular maintenance ensures the efficiency and longevity of your exhaust fan. Always disconnect power at the service panel before performing any maintenance.

1. **Cleaning the Grille:** Periodically remove the grille and wipe it clean with a damp cloth. Mild soap can be used for stubborn dirt. Ensure the grille is completely dry before reattaching.
2. **Cleaning the Fan Blades:** If accessible, gently wipe the fan blades with a damp cloth to remove dust and debris. Avoid bending the blades.
3. **Light Bulb Replacement:** If the LED main light or nightlight bulb needs replacement, ensure the power is off. Carefully remove the old bulb and replace it with a new one of the same type (GU24 for main LED, E12 for nightlight).
4. **Housing Inspection:** Annually, inspect the fan housing and duct connections for any signs of damage, loose connections, or obstructions.

TROUBLESHOOTING

If you encounter issues with your Akicon Bathroom Exhaust 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. Ensure all wiring connections are secure. Test the wall switch.
Light does not turn on.	Burned out bulb, loose wiring, faulty switch.	Replace the LED bulb or nightlight bulb. Check wiring connections to the light. Test the wall switch.
Fan is excessively noisy.	Loose mounting, obstructed fan blades, motor issue.	Ensure the fan housing is securely mounted. Check for debris obstructing the fan blades. If noise persists, contact customer support.
Poor ventilation/airflow.	Obstructed ductwork, dirty fan blades, incorrect room size.	Inspect ductwork for blockages. Clean fan blades. Ensure the fan's CFM rating is appropriate for your bathroom size (up to 100 sq. ft.).
Nightlight not working (if wired separately).	Incorrect wiring, faulty bulb.	Verify nightlight wiring connections. Replace the nightlight bulb. Ensure your wall switch configuration supports separate nightlight operation.

WARRANTY

Akicon provides a **3-year limited quality guarantee** for this product. This warranty covers defects in materials and

workmanship under normal use. For specific terms and conditions, please refer to the warranty documentation included with your purchase or contact Akicon customer service.

CUSTOMER SUPPORT

For further assistance, technical support, or warranty claims, please contact Akicon customer service. Our team is dedicated to providing a smooth and comfortable experience.

Please visit the official Akicon website or refer to your product packaging for the most current contact information.

Note: Always have your model number (1424110 Round) and purchase date available when contacting support.

