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› [Maxx Air](#) /

› [MAXXAIR Maxxfan Mini Plus Vent 00-03801 User Manual](#)

### Maxx Air 00-03801

# MAXXAIR Maxxfan Mini Plus Vent 00-03801 User Manual

Model: 00-03801 | Brand: Maxx Air

## 1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your MAXXAIR Maxxfan Mini Plus Vent, model 00-03801. This 6-inch single-speed exhaust fan is designed to provide efficient ventilation and lighting for recreational vehicles (RVs), campers, and travel trailers.

Key features include:

- Efficient ventilation with a 6-inch single-speed exhaust fan.
- Integrated "Cool" L.E.D. lighting for nighttime or accent illumination.
- Low power consumption, drawing less than 2 amps.
- Designed to protect the interior from rain, bugs, and debris, whether open or closed.
- Ideal replacement for existing powered bathroom and galley exhaust fans.

## 2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating the Maxxfan Mini Plus Vent. Failure to follow these instructions may result in property damage, personal injury, or death.

- **Electrical Safety:** Ensure the power supply to the installation area is disconnected before beginning any wiring. All electrical connections must comply with local codes and standards. This unit operates on 12 Volts DC.
- **Installation Safety:** Wear appropriate personal protective equipment (PPE) during installation, including eye protection and gloves. Use caution when working on RV roofs.
- **Sealing:** Proper sealing is critical to prevent water intrusion. Use appropriate RV-grade sealants (e.g., butyl tape, self-leveling caulk) as recommended.
- **Ventilation:** Ensure adequate ventilation during installation, especially when using adhesives or sealants.
- **Children and Pets:** Keep children and pets away from the installation area.

## 3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Maxxair Vent Corp 00-003801 Maxxair Mini Vent 14" White unit
- Mounting hardware (various screw lengths to accommodate different roof thicknesses)
- *Note: Butyl rubber sealing tape and Dicor self-leveling caulk are typically required for installation and are not included.*

## 4. SETUP AND INSTALLATION

This section outlines the general steps for installing the Maxxfan Mini Plus Vent. Professional installation is recommended if you are unfamiliar with RV electrical systems or roof modifications.

### 4.1 Pre-Installation

1. **Choose Location:** Select a suitable location on your RV roof, typically replacing an existing vent or in a new 14" x 14" opening.
2. **Disconnect Power:** Turn off all 12V DC power to your RV to prevent electrical shock.
3. **Gather Tools:** You will need a drill, screwdriver, sealant gun, butyl tape, self-leveling caulk, and potentially a cutting tool for the roof opening.
4. **Remove Old Vent (if applicable):** Carefully remove any existing vent, ensuring all old sealant and adhesive residue is thoroughly cleaned from the roof surface. This step can be challenging due to strong adhesives used by manufacturers.

### 4.2 Installation Steps

1. **Prepare Opening:** Ensure the roof opening is clean, dry, and measures 14" x 14".
2. **Apply Butyl Tape:** Apply a continuous bead of butyl tape around the perimeter of the vent flange that will sit on the roof.
3. **Position Vent:** Carefully place the vent assembly into the roof opening. The vent opening should ideally face towards the rear of the vehicle to minimize wind resistance and water intrusion during travel.
- 4.



**Image 1:** Exterior view of the MAXXAIR Maxxfan Mini Plus Vent. This image shows the low-profile design of the vent cover, which helps protect the fan from rain and debris.

5. **Secure Vent:** From inside the RV, attach the interior trim ring and secure the vent to the roof using the provided screws. Ensure a tight, even seal. It is helpful to have a second person assist with aligning the components and securing them.
6. **Cut Sleeve:** The sleeve that fits between the roof vent and ceiling cover may need to be cut to match your RV's roof thickness.
7. **Wiring:** Connect the fan's 12V DC wires to your RV's electrical system. Typically, red is positive (+) and black is negative (-). Ensure connections are secure and insulated. The fan draws less than 2 amps.
- 8.

# SINGLE SPEED EXHAUST FAN



**Image 2:** Interior view of the Maxxfan Mini Plus Vent, showcasing the 6-inch fan blades and the surrounding "Cool" L.E.D. lighting. The mesh screen helps prevent insects from entering.

9. **Apply Sealant:** Apply a generous bead of RV-grade self-leveling caulk over all screw heads and along the edge of the vent flange on the roof to create a watertight seal.

**Important Note:** Some users have reported improved efficiency by sealing the borders of the interior part of the fan with additional sealant to prevent air leakage. This can be done after the main installation.

## 5. OPERATING INSTRUCTIONS

The Maxxfan Mini Plus Vent is designed for simple operation.

1. **Power On/Off:** Locate the power switch, typically a push-button, on the interior trim of the fan. Press to turn the fan and LED lights on or off.
2. **Vent Opening/Closing:** The vent features a lever mechanism to open and close the baffle around the fan. This allows you to control airflow and protect the interior from elements.
  - To open: Move the lever to align the internal and external openings, allowing air to flow.

- To close: Move the lever to misalign the openings, sealing the vent.

3. **LED Lighting:** The integrated "Cool" L.E.D. lighting provides ambient light and can be used independently or with the fan.

# MAXXPERFORMANCE

## ENERGY EFFICIENT

6-inch single-speed exhaust fan provides quiet, energy efficient ventilation

## MAXXFAN + VENT COVER

Fits 14" x 14" rooftop openings

## PERFECT REPLACEMENT

For powered bathroom and galley exhaust fans

**Image 3:** Graphic illustrating the key benefits of the Maxxfan Mini Plus Vent, including its energy efficiency, integrated vent cover design, and suitability as a replacement unit.

# FRESH AIR RAIN OR SHINE.



**Image 4:** A person relaxing inside an RV, demonstrating the ability of the Maxxfan Mini Plus Vent to provide fresh air regardless of weather conditions, such as rain.

## 6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Maxxfan Mini Plus Vent.

- **Cleaning:** Periodically clean the fan blades and interior grille with a soft, damp cloth. Ensure the fan is turned off and power is disconnected before cleaning.
- **Exterior Cleaning:** Clean the exterior vent cover with mild soap and water. Avoid abrasive cleaners that could damage the plastic.
- **Seal Inspection:** Regularly inspect the sealant around the vent on the RV roof for cracks or deterioration. Reapply sealant as necessary to prevent leaks. Pay close attention to the seal between the two "bowls" of the vent mechanism, as this can be a point of air leakage.
- **Functionality Check:** Periodically check the fan and LED lights for proper operation. Ensure the opening/closing lever moves freely.

## 7. TROUBLESHOOTING

Refer to the following table for common issues and their solutions.

Problem	Possible Cause	Solution
Fan does not operate / LED lights do not turn on.	No power supply; Loose wiring connection; Faulty switch.	Check RV's 12V power supply. Verify all wiring connections are secure. Test the switch for functionality.
Water leaks around the vent.	Improper sealing during installation; Deteriorated roof sealant.	Inspect all roof seals. Clean and reapply RV-grade self-leveling caulk as needed. Ensure butyl tape is properly compressed.
Fan is noisy.	Debris in fan blades; Loose mounting; Motor issue.	Turn off power and inspect fan blades for obstructions. Ensure mounting screws are tight. If noise persists, contact support.
Inefficient air movement.	Poor seal around interior fan components; Obstruction.	Check for and seal any gaps around the interior fan housing. Ensure the vent baffle is fully open.

## 8. SPECIFICATIONS

Feature	Detail
Brand	Maxx Air
Model Name	00-003801
Color	White
Electric Fan Design	Exhaust Fan
Power Source	12V DC
Product Dimensions	9.88"D x 17.25"W x 17.25"H
Special Feature	Waterproof, Integrated LED Lighting
Recommended Uses	Exhausting air in RV bathrooms, galleys, etc.
Wattage	24 watts (Max)
Number of Blades	6
Speed	Single Speed
Voltage	12 Volts
Switch Type	Push Button
Item Weight	7 Pounds
Indoor/Outdoor Usage	Indoor (for RV interior)
Specification Met	UL Listed

Feature	Detail
Control Method	Touch (for button)
Number of Power Levels	1 (Single Speed)

## 9. WARRANTY INFORMATION

For detailed warranty information regarding your MAXXAIR Maxxfan Mini Plus Vent, please refer to the documentation included with your purchase or visit the official Maxx Air website. Warranty terms and conditions may vary.

## 10. SUPPORT

If you require further assistance, have questions not covered in this manual, or need technical support, please contact Maxx Air customer service. Contact information can typically be found on the product packaging or the official Maxx Air website.

You can also visit the [Maxx Air brand store on Amazon](#) for more product information.