

Maxx Air CX1050SOL

Maxx Air Solar Attic Fan CX1050SOL User Manual

Model: CX1050SOL

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Maxx Air Solar Attic Fan, Model CX1050SOL. This solar-powered attic exhaust fan is designed to improve attic ventilation, reduce heat buildup, and enhance the energy efficiency of your home. Please read this manual thoroughly before installation and use, and retain it for future reference.

2. SAFETY INFORMATION

WARNING: Risk of Electric Shock or Injury.

- Always disconnect power before servicing or installing the unit.
- Installation should be performed by a qualified electrician or a trained professional familiar with roof work and electrical systems.
- Wear appropriate personal protective equipment (PPE) including gloves, safety glasses, and fall protection when working on roofs.
- Ensure all wiring connections are secure and comply with local electrical codes.
- Do not operate the fan if any part is damaged.
- Keep hands and foreign objects away from the fan blades during operation.

3. PRODUCT OVERVIEW

3.1 Components

The Maxx Air Solar Attic Fan CX1050SOL system includes the following main components:

- Solar Attic Fan Unit (with IP68 DC Motor, 12" Nylon-Fiber-Aluminum Blades, Aluminum Mesh Guard, and Built-in Thermostat)

- Adjustable 50W/24V Monocrystalline Solar Panel
- Mounting Hardware (specific to installation type, refer to packaging)

3.2 Key Features

- **High-Efficiency Solar Power:** Features a powerful 50W/24V monocrystalline solar panel (495x495x25mm) for optimal energy conversion and efficient ventilation.
- **Intelligent Temperature Control:** Equipped with a built-in thermostat for automatic operation, ensuring intelligent temperature regulation within your attic space.
- **Durable Construction:** Incorporates 12" Nylon-Fiber-Aluminum compound fan blades and an aluminum mesh fan guard for enhanced durability and safety.
- **Adjustable Solar Panel:** The solar panel is fully adjustable, allowing for maximum sun exposure and efficiency in expelling hot air.
- **IP68 Brushless DC Motor:** The motor is IP68-rated, providing superior protection against dust and water ingress, contributing to a longer lifespan and reliable performance.

3.3 Product Visual



An image showing the Maxx Air Solar Attic Fan unit, a circular black dome with a flat base, alongside its rectangular solar panel. The fan unit is designed for roof mounting, and the solar panel captures sunlight to power the fan.

4. SPECIFICATIONS

Attribute	Detail
-----------	--------

Brand	Maxx Air
Model Name	CX1050SOL
Power Source	Solar Powered
Solar Panel	50W/24V Monocrystalline (495x495x25mm)
Motor Type	IP68 Brushless DC Motor
Fan Blades	12" Nylon-Fiber-Aluminum Compound
Special Feature	Built-in Thermostat, Waterproof
Recommended Use	Attic Exhaust Ventilation
Item Weight	35.9 Pounds
Product Dimensions	24 x 24 x 9 inches
Color	Black

5. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your Maxx Air Solar Attic Fan. Due to the nature of roof work and electrical connections, it is highly recommended to consult or hire a qualified professional for installation.

5.1 General Installation Guidelines (Consult Professional)

- Site Selection:** Choose a location on the roof that receives maximum direct sunlight throughout the day for the solar panel. The fan unit should be positioned to effectively exhaust hot air from the attic.
- Roof Preparation:** Prepare the roof opening according to the fan unit's dimensions. Ensure proper flashing and sealing to prevent water leaks.
- Mounting the Fan Unit:** Securely mount the fan unit to the roof structure, ensuring it is level and stable.
- Mounting the Solar Panel:** Install the adjustable solar panel in its chosen location, ensuring it is securely fastened and oriented for optimal sun exposure.
- Electrical Connection:** Connect the solar panel to the fan unit following the manufacturer's wiring diagram. Ensure all connections are watertight and protected.
- Testing:** Once installed, verify the fan operates correctly under suitable sunlight conditions.

Note: Detailed installation instructions, including specific measurements and wiring diagrams, are typically provided with the product packaging. Always refer to those specific instructions for your model.

6. OPERATION

The Maxx Air Solar Attic Fan CX1050SOL operates automatically based on sunlight availability and the built-in thermostat setting.

6.1 Automatic Operation

- When the solar panel receives sufficient sunlight, it generates power for the fan.
- The built-in thermostat monitors the attic temperature. The fan will activate when the attic temperature exceeds a

preset threshold (e.g., 85-90°F or 29-32°C) and sufficient solar power is available.

- The fan will continue to operate, exhausting hot air from the attic, until the temperature drops below the threshold or sunlight diminishes.

No manual intervention is typically required for daily operation. The system is designed for autonomous performance.

7. MAINTENANCE

Regular, simple maintenance can help ensure the long-term performance of your solar attic fan.

- **Annual Inspection:** Annually inspect the fan unit and solar panel for any debris, leaves, or obstructions.
- **Cleaning Solar Panel:** Gently clean the surface of the solar panel with a soft cloth and water to remove dirt or dust that may reduce efficiency. Avoid abrasive cleaners.
- **Check for Damage:** Periodically check the fan blades, mesh guard, and wiring for any signs of damage or wear.
- **Roof Seal Inspection:** Inspect the roof flashing and seals around the fan unit to ensure there are no leaks.

Always ensure safety precautions are followed when performing maintenance on the roof.

8. TROUBLESHOOTING

If your Maxx Air Solar Attic Fan is not operating as expected, consider the following common issues and solutions:

Problem	Possible Cause	Solution
Fan not running	Insufficient sunlight	Ensure solar panel is receiving direct sunlight. Check for shadows or obstructions.
Fan not running	Attic temperature below thermostat setting	The fan will only activate when the attic temperature rises above the preset threshold. This is normal operation.
Fan not running	Dirty solar panel	Clean the solar panel surface to maximize power generation.
Fan not running	Loose or damaged wiring	Inspect all electrical connections between the solar panel and fan unit. Consult a professional if wiring is damaged.
Reduced airflow	Obstruction in fan or vent	Check the fan blades and mesh guard for debris (leaves, nests, etc.) and clear any obstructions.

If problems persist after attempting these solutions, please contact Maxx Air customer support.

9. WARRANTY AND SUPPORT

Maxx Air products are manufactured to high-quality standards and are backed by a manufacturer's warranty. Please refer to the warranty card included with your product packaging for specific terms, conditions, and duration of coverage.

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Maxx Air customer support through their official website or the contact information provided in your product documentation.

Maxx Air Official Website: [Visit Maxx Air Store on Amazon](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B0D9PFRRH6>

More documents and user manuals: <https://manuals.plus/>