

OSCAR1-PRO-PERGOLA

Auvent Motorized Aluminium Retractable Roof Pergola User Manual

Model: OSCAR1-PRO-PERGOLA

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your Auvent Motorized Aluminium Retractable Roof Pergola. Please read this manual thoroughly before assembly, operation, or maintenance to ensure proper functionality and longevity of your product.

The Auvent pergola features an adjustable louvered roof, designed to provide optimal comfort and protection against various weather conditions. It is constructed with high-quality, durable materials for long-term outdoor use.



Figure 1.1: Overview of the Auvent Motorized Aluminium Retractable Roof Pergola.

2. PRODUCT FEATURES

- **Adjustable Louvered Roof:** The roof can be adjusted from 0° to 135° using an easy-to-use crank system, allowing control over sunlight, ventilation, and shade.
- **High-Quality Materials:** Constructed with a robust powder-coated aluminum alloy frame and galvanized steel louvers, resistant to rust, peeling, and corrosion.
- **Integrated Drainage System:** Rainwater is efficiently directed through the louvers into the poles and discharged through base notches, preventing water accumulation.
- **Optional Netting and Curtains:** Features a double track system for easy sliding, providing privacy and mosquito protection.
- **Weather Resistance:** Designed to withstand strong winds (up to 31-38 mph), heavy rain, and UV exposure. Snow thickness tolerance up to 10 inches.
- **Versatile Application:** Suitable for decks, gardens, backyards, patios, and various outdoor living spaces.

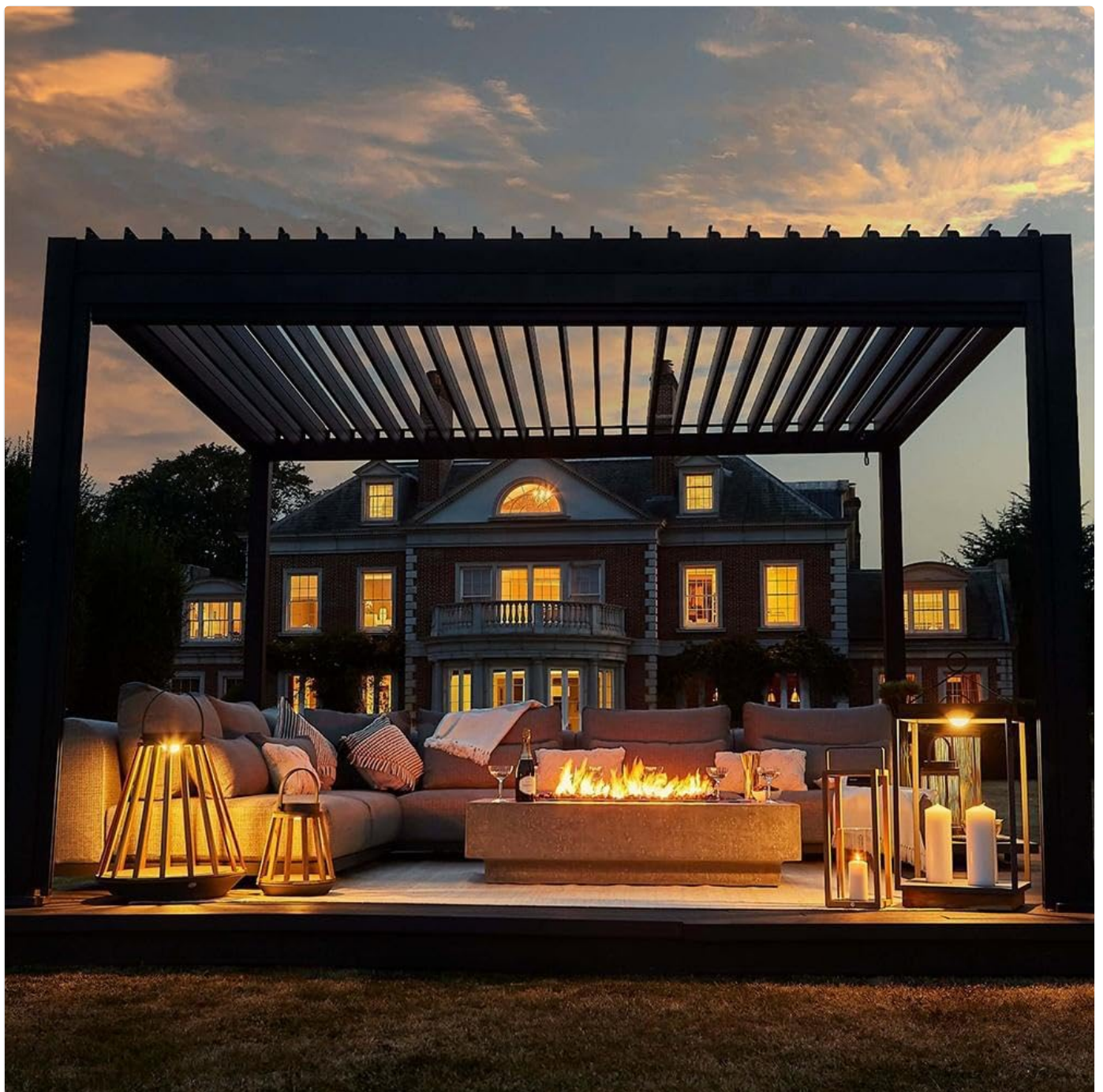


Figure 2.1: Pergola with louvers in an open position, allowing sunlight.



Figure 2.2: Pergola with louvers in a closed position, offering full protection.

3. SETUP AND INSTALLATION

The Auvent pergola is designed for straightforward assembly. It features prefabricated rails and louvers that do not require special rivets or welds.

3.1 Site Preparation

- Ensure the installation area is level and clear of obstructions.
- Verify that the ground or deck surface can support the weight of the pergola (approximately 529 pounds).
- Consider drainage and sunlight exposure when selecting the location.

3.2 Assembly Steps

1. Unpack all components and verify against the parts list (not provided in this manual, refer to packaging).
2. Assemble the main frame structure, ensuring all connections are secure.

3. Install the louvered roof system according to the provided instructions (refer to detailed assembly guide included with product).
4. Securely attach the pergola to the ground using the supplied expansion bolts through the pre-drilled bases on each post. This enhances stability.
5. If applicable, install the netting and curtain system onto the double tracks.



Figure 3.1: Example of pergola installation adjacent to a building.

4. OPERATING INSTRUCTIONS

4.1 Adjusting the Louvered Roof

The louvered roof can be adjusted to control sunlight and ventilation. Locate the crank system, typically positioned on one of the support posts.

- To **open** the louvers: Turn the crank in the designated direction (e.g., clockwise) to allow more sunlight and air circulation. The louvers can be adjusted from 0° (fully closed) to 135° (fully open).

- To **close** the louvers: Turn the crank in the opposite direction (e.g., counter-clockwise) to provide full shade and protection from rain.
- For optimal performance during heavy snowfall, it is recommended to open the louvers to prevent excessive snow accumulation.

4.2 Using Netting and Curtains (If Applicable)

The double track system allows for easy movement of the netting and curtains.

- Slide the netting to protect against insects while maintaining an open view.
- Slide the curtains for privacy or to help retain warmth during colder periods.
- Secure curtains using windproof hooks or by tying straps directly to the pillars to prevent flapping in windy conditions.



Figure 4.1: Pergola with optional side curtains for enhanced privacy and protection.

5. MAINTENANCE

Regular maintenance will ensure the longevity and optimal performance of your Auvent pergola.

- **Cleaning:** Clean the aluminum frame and louvers periodically with mild soap and water. Avoid abrasive cleaners or harsh chemicals that could damage the powder-coated finish.
- **Drainage System:** Periodically check the drainage channels within the louvers and posts for any debris (leaves, dirt) that might obstruct water flow. Clear any blockages to ensure efficient drainage.
- **Louver Mechanism:** Inspect the crank system and louver hinges for smooth operation. Lubricate moving parts if necessary with a silicone-based lubricant.
- **Snow Accumulation:** During winter, open the louvers before heavy snowfall to prevent excessive snow accumulation on the roof, which can exceed the 10-inch tolerance and cause damage.
- **Fasteners:** Periodically check all bolts and fasteners to ensure they remain tight. Re-tighten as needed.
- **Curtains/Netting:** If equipped, clean curtains and netting according to their specific material care instructions. Store them indoors during extreme weather conditions or off-season to prolong their life.



Figure 5.1: Regular cleaning helps maintain the aesthetic appeal of the pergola.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your pergola.

6.1 Louvers Not Adjusting Smoothly

- **Check for Obstructions:** Inspect the louver mechanism and tracks for any debris (leaves, small branches) that might be impeding movement.
- **Lubrication:** Apply a silicone-based lubricant to the moving parts of the crank system and louver hinges.
- **Mechanism Damage:** If the issue persists, the internal mechanism might be damaged. Contact customer support for assistance.

6.2 Water Accumulation on Roof

- **Check Drainage Channels:** Ensure the internal drainage channels within the louvers and posts are clear of debris.
- **Louver Position:** Verify that the louvers are fully closed when rain protection is desired. A slight opening can allow water to seep through.
- **Slope:** The roof is designed with a gentle slope for drainage. Ensure the pergola is installed on a level surface to maintain this intended slope.

6.3 Pergola Instability

- **Check Fasteners:** Ensure all assembly bolts and ground anchors are securely tightened.
- **Ground Anchoring:** Verify that the expansion bolts are properly installed into a stable surface (concrete, reinforced deck).
- **Wind Conditions:** In extremely high winds, the pergola may experience movement. Ensure louvers are in the most wind-resistant position (usually fully open or fully closed, depending on design, refer to specific product guide).

7. SPECIFICATIONS

Product Specifications - Auvent Motorized Aluminium Retractable Roof Pergola

Attribute	Detail
Brand	Generic
Model Number	OSCAR1-PRO-PERGOLA
ASIN	B0DM2N1XNZ
Material	Aluminum Alloy Frame, Galvanized Steel Louvers
Color	White (Note: Product images may show dark grey/black variants)
Item Weight	529.1 Pounds (approx. 240 kg)
Product Dimensions	118.11 x 118.11 x 106.3 inches (approx. 10ft x 10ft x 8.8ft)
Assembly Required	Yes
Louver Adjustment Range	0° to 135°
Max Wind Resistance	Grade 7 (31-38 mph)
Max Snow Thickness Tolerance	10 inches



Figure 7.1: The pergola's robust construction supports various configurations.

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your purchase or contact the manufacturer directly. Generic products typically come with a limited manufacturer's warranty covering defects in materials and workmanship.

If you require assistance with assembly, operation, or encounter any issues not covered in this manual, please contact customer support. Details for customer support are usually available on the product packaging or the seller's website.

For general inquiries, you may refer to the "Customer Support" information provided by the retailer.

