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Outsunny 84C-243V02BG

Outsunny 11' x 11' Outdoor Retractable Pergola Canopy

Model: 84C-243V02BG | Brand: Outsunny

1. Safety Information

Please read and understand all safety warnings and instructions before assembly and use of this product. Failure to follow these instructions may result in injury or damage to the product.

- Always assemble and secure the shelter to a stable foundation using the provided ground stakes or other appropriate anchoring methods.
- Never leave the shelter unattended while the canopy is extended, especially during adverse weather conditions such as strong winds or heavy rain.
- Keep children and pets away from the moving canopy during operation to prevent entanglement or injury.
- Regularly inspect all components for wear, damage, or loose connections. Replace damaged parts immediately.
- Do not hang heavy objects from the frame or canopy.
- Ensure the area around the pergola is clear of obstructions during assembly and operation.

2. Product Overview

The Outsunny Retractable Pergola Canopy provides a versatile outdoor shading solution with a durable design and customizable shade options.

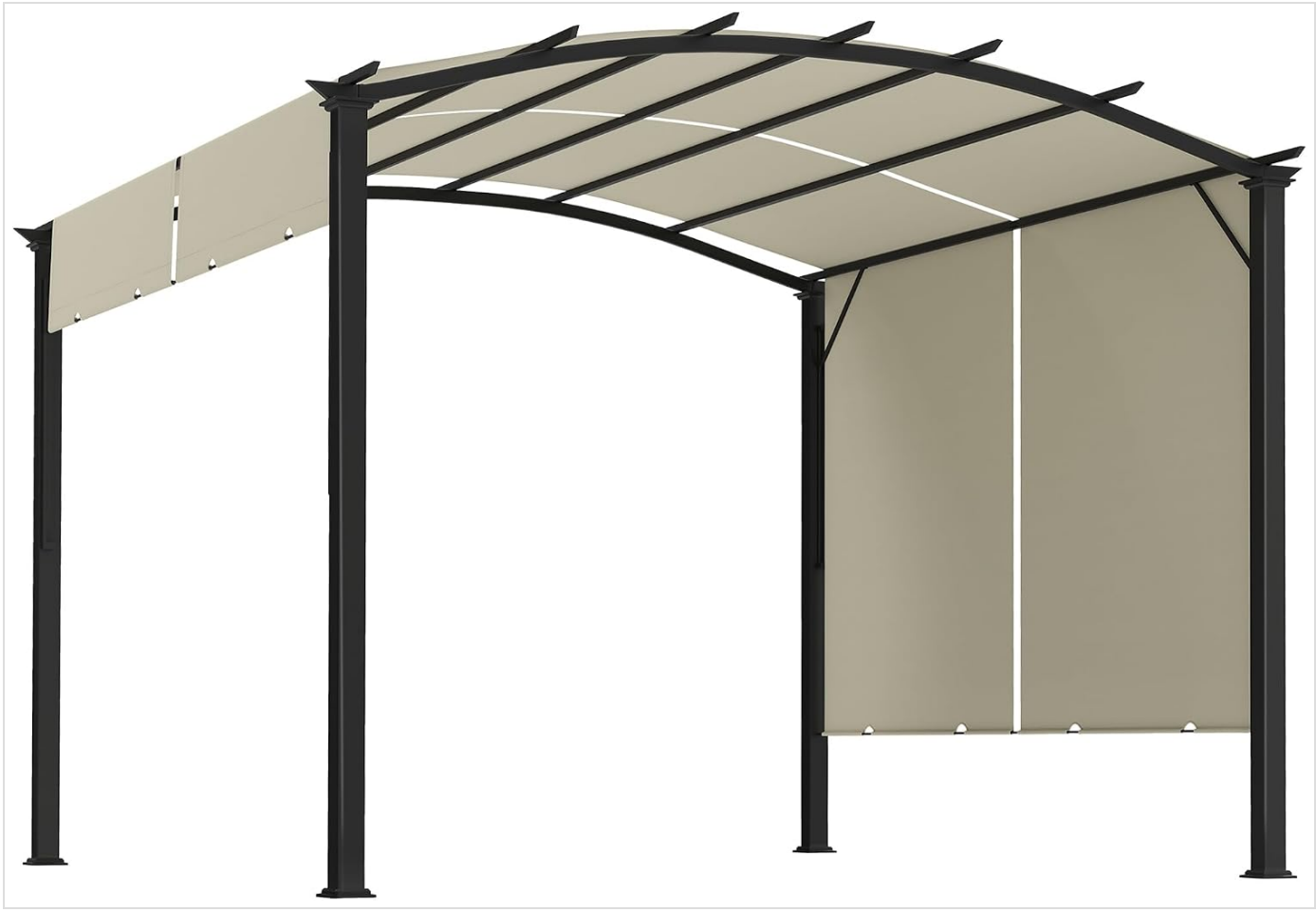


Image 2.1: The Outsunny 11' x 11' Outdoor Retractable Pergola Canopy, showcasing its arched design and beige canopy.

Key Features:

- **Premium Materials:** Constructed with a robust steel frame for stability and a UV-resistant polyester canopy with PU coating to protect against sun exposure.
- **Retractable Canopy:** Features a two-piece canopy design that can be moved independently or together, allowing for flexible shade adjustment throughout the day via a slotted sliding mechanism.
- **Enhanced Stability:** Incorporates triangular sections on the roof for structural integrity and openable feet designed for securing the frame directly into the ground with ground stakes.
- **Versatile Design:** Its unique appearance with an old-school cornice edge integrates well with various outdoor decors, suitable for patios, gardens, backyards, and beaches.



Image 2.2: Close-up details highlighting the arc roof design, triangular support structure, and convenient canopy handles.

3. Package Contents

Before beginning assembly, ensure all parts are present and undamaged. If any parts are missing or damaged, contact customer support immediately.

- Steel Frame Components (posts, beams, crossbars, triangular supports)
- Polyester Canopy Fabric (two retractable sections)
- Hardware Kit (bolts, nuts, washers, ground stakes)
- Assembly Tools (basic wrench, hex key - specific tools may vary)
- Instruction Manual

4. Setup Instructions

Assembly typically requires two or more people. Follow the steps carefully to ensure proper and safe construction.

4.1 Site Preparation

1. Choose a level and stable surface for installation.
2. Clear the area of any debris or obstructions.
3. Ensure adequate clearance around the pergola for assembly and operation.

4.2 Frame Assembly

1. Unpack all components and lay them out according to the parts list.
2. Assemble the vertical posts and horizontal beams, ensuring all connections are secure but not fully tightened until the entire frame is upright.
3. Attach the arched roof sections and crossbars, paying attention to the orientation of each piece.
4. Install the triangular support structures for added stability.



Image 4.1: Illustrates the triangular structure for frame stability, crossbar design supporting the canopy, and openable feet for ground stake insertion.

4.3 Canopy Installation

1. Carefully slide the two canopy sections into the designated slots on the frame.
2. Ensure the canopy handles are accessible for easy retraction and extension.

4.4 Securing the Pergola

1. Once the frame is fully assembled and upright, tighten all bolts and connections.
2. Open the covers on the feet and use the provided ground stakes to anchor the pergola firmly to the ground. For additional stability, especially in windy areas, consider using concrete anchors or bolting the feet to a deck.



Image 4.2: Instructions for securing the pergola base using ground stakes for enhanced stability.

5. Operating Instructions

The retractable canopy allows for flexible shade control.

5.1 Extending the Canopy

1. Grasp the handles located on the edge of each canopy section.
2. Gently pull the canopy sections outwards along the slotted design until they reach the desired extension.
3. Ensure both sections are extended evenly for optimal coverage.

5.2 Retracting the Canopy

1. Grasp the handles on the canopy sections.
2. Gently push the canopy sections inwards along the slotted design until they are fully retracted or at the desired position.
3. It is recommended to retract the canopy during strong winds, heavy rain, or when not in use to prolong its lifespan.



Image 5.1: Demonstrates the practical retractable canopy mechanism, including the arc roof, slot design for smooth movement, and integrated handles.

6. Maintenance

Regular maintenance will help extend the life and appearance of your pergola.

- **Cleaning the Canopy:** Clean the polyester canopy with mild soap and water. Do not use harsh chemicals or abrasive cleaners. Allow the canopy to air dry completely before retracting or storing.
- **Frame Care:** Wipe the steel frame with a damp cloth to remove dirt and dust. Inspect for any signs of rust, especially at connection points, and treat as necessary with rust-inhibiting paint.
- **Hardware Check:** Periodically check all bolts and screws to ensure they remain tight. Re-tighten as needed.
- **Winter Storage:** In areas with harsh winters, it is recommended to remove the canopy fabric and store it indoors in a dry place. The frame can remain outdoors if properly anchored, but covering it is advisable.
- **Water Pooling:** The canopy is not fully waterproof and may collect water during heavy rain. Gently push up from underneath with a broom or similar object to release accumulated water to prevent damage.

7. Troubleshooting

This section addresses common issues you might encounter.

- **Pergola is unstable/wobbly:** Ensure all frame connections are securely tightened. Verify that the ground stakes are fully inserted and the pergola is anchored to a stable surface. Consider additional anchoring methods for increased stability.
- **Canopy does not retract/extend smoothly:** Check the sliding mechanism for any obstructions or debris. Ensure the tracks are clean. Apply a silicone-based lubricant if necessary.
- **Water pooling on canopy:** The canopy is designed for sun shade, not heavy rain. During heavy rainfall, water may accumulate. Gently push up on the underside of the canopy to release the water. Retract the canopy during heavy rain to prevent damage.
- **Rust appearing on frame:** This can occur over time, especially in humid environments. Clean the affected area and apply rust-inhibiting paint to prevent further corrosion. Regular cleaning and inspection can help prevent this.
- **Damage from wind:** Strong winds can damage the canopy or frame. Always retract the canopy during windy conditions and ensure the pergola is securely anchored. Damage due to extreme weather is typically not covered under warranty.

8. Specifications

Detailed product specifications for the Outsunny Retractable Pergola Canopy.



Image 8.1: Dimensional overview of the pergola, indicating its length, width, and height.

Attribute	Detail
Brand	Outsunny
Model Number	84C-243V02BG
Product Dimensions	135.8"L x 135.8"W x 98.4"H (11.3'L x 11.3'W x 8.2'H)
Floor Area	128.1 Square Feet
Item Weight	132.7 Pounds
Frame Material	Alloy Steel
Canopy Material	Polyester with PU Coating

Color	Beige
Water Resistance Level	Not Water Resistant (Shade only)
Ultraviolet Light Protection	Yes
Assembly Required	Yes
UPC	842525174671

9. Warranty and Support

For warranty information, product support, or to order replacement parts, please contact the manufacturer or the retailer from whom you purchased the product. Keep your purchase receipt and model number (84C-243V02BG) handy for faster service.

Manufacturer: Aosom LLC

Please note: No official product videos were available with relevant creator type or content for embedding in this manual.

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