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› Polar Aurora 13 x 8.2 ft Retractable Patio Awning User Manual

Polar Aurora OP1503Beige

Polar Aurora 13 x 8.2 ft Retractable Patio Awning User Manual

Model: OP1503Beige

1. INTRODUCTION

Thank you for choosing the Polar Aurora 13 x 8.2 ft Retractable Patio Awning. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your awning. Please read it thoroughly before beginning assembly or use, and retain it for future reference.

Key Features:

- **High-Quality Construction:** Crafted from powder-coated aluminum alloy and rust-resistant steel supporting tubes, ensuring wind resistance up to 28 MPH. The 280g/m² Polyester with PU coating fabric is water-resistant, UV-resistant, and resistant to sun fading, offering 80UV+ solar protection.
- **Versatile Placement:** Provides ample shelter for outdoor spaces such as balconies, courtyards, or commercial areas like shops, restaurants, patios, and cafes.
- **Adjustable Slope & Retractable:** Features a hand crank for smooth and quiet manual retraction and extension. The shaded area can be adjusted up and down based on your preferences.
- **Practical & Decorative:** Suitable for most houses and can be mounted on plain cement walls and stable brickwork, enhancing outdoor aesthetics while providing sun protection.

2. IMPORTANT SAFETY INSTRUCTIONS

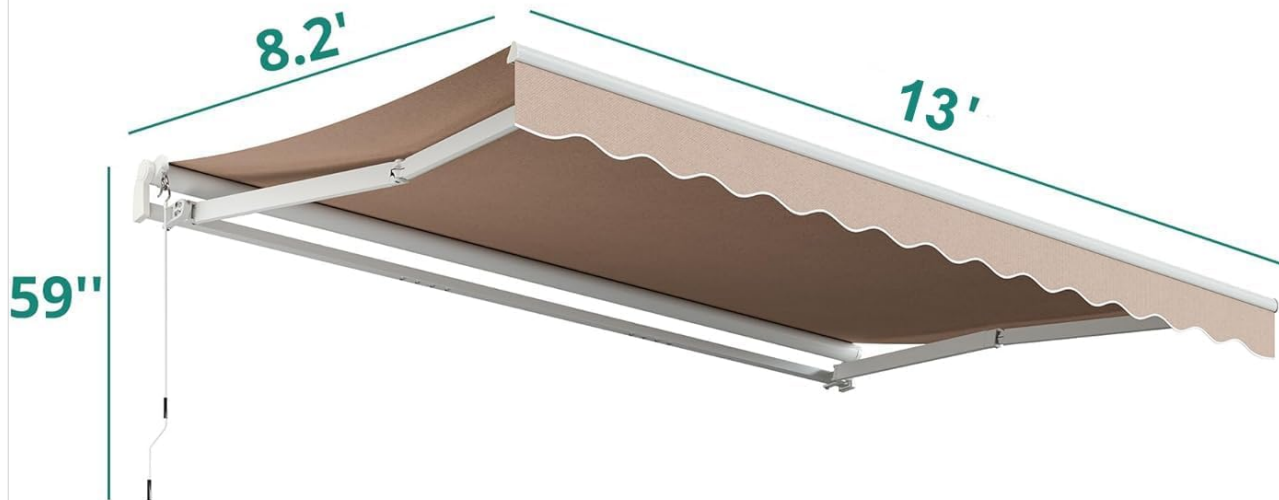
- Always ensure the awning is properly anchored and secured to the wall according to the installation instructions.
- Do not use the awning in winds exceeding 28 MPH (Beaufort scale 4). Retract the awning immediately during strong winds, heavy rain, or snow to prevent damage.
- Keep children and pets away from the moving parts of the awning during operation.
- Regularly inspect all bolts, screws, and connections to ensure they remain tight and secure.
- Do not hang objects from the awning frame or fabric.

- Ensure adequate clearance around the awning during extension and retraction to avoid obstructions.

3. COMPONENTS LIST

Please verify that all components are present and undamaged before beginning assembly. Refer to the detailed installation video for visual identification of parts.

PRODUCT SIZE



**Recommended
Installation Height 12-14**

Figure 1: Product Dimensions (13 x 8.2 FT)

4. SETUP AND INSTALLATION

Pre-Installation Checklist:

- Ensure you have all necessary tools, including a drill, masonry bit (0.55 inches), wrench, and level.
- Identify a suitable mounting surface: plain cement walls or stable brickwork are recommended.
- Determine the recommended installation height: 8 to 13 feet (2.5 to 4 meters) from the ground.

- Ensure there is at least 10cm clearance above the horizontal line for installation.

Step-by-Step Assembly:

For a detailed visual guide, please watch the official installation video below. The video demonstrates each step of the assembly process, from preparing the roller and torsion bars to mounting the awning on the wall.

Your browser does not support the video tag.

Video 1: Official Installation Guide for Polar Aurora Retractable Awning. This video provides a comprehensive step-by-step visual demonstration of the assembly and mounting process.

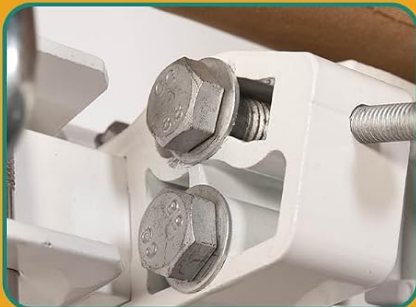
Key steps covered in the video include:

1. **Roller Assembly (SET P 1):** Connect the roller tubes (2-1, 2-2, 2-3) using connectors (3) and secure with screws (15).
2. **Torsion Bar and Arm Assembly (SET P 2):** Assemble the torsion bar sections (4-1, 4-2, 4-3) with connectors (5) and secure with screws (20). Attach the arms (17-1, 17-2) to the torsion bar. *Tip: Do not remove the safety rope holding the arms down until the whole assembly is complete.*
3. **Front Bar Assembly (SET P 3):** Connect the front bar sections (6-1, 6-2, 6-3) using connectors (7) and secure with screws (15).
4. **Front Bar Wrist Support Assembly (SET P 4):** Attach the wrist supports (18) to the front bar.
5. **Arms with Front Bar Assembly (SET P 5):** Connect the assembled arms to the front bar.
6. **Link the Self-Locking Nut (SET P 6):** Ensure the arms are properly aligned before linking the self-locking nut.
7. **Left Roller Support with Gear Box Assembly (SET P 7):** Hammer the left roller support with the gearbox (1) into the left end of the torsion bar. Tighten the left hexagon bolt by 5mm.
8. **Fabric and Valance Assembly (SET P 8):** Insert the fabric (14-1) and valance (14-2) into their respective slots. Use the rings (16) to secure the valance.
9. **Roll in the Fabric on the Roller (SET P 9):** Carefully roll the main fabric onto the roller.
10. **Installation Fabric (SET P 10):** Attach the fabric to the front bar using end caps (21, 22). *Tip: If the front bar is slightly deformed, adjust with tools.*
11. **Right Roller Support Assembly (SET P 11):** Attach the right roller support (8) to the roller.
12. **Wall Mounting:** Drill holes using a 0.55-inch masonry bit, approximately 3.15 inches deep. Insert the expansion bolts (12) and mount the brackets (10). Secure the awning to the brackets using bolts (11).



RETRACTABLE MODELS

Awning 60-90 angle can be adjusted at will



Durable aluminum frame



Manual hand crank



Retractable metal arm

Figure 2: Awning showing adjustable angle (60-90 degrees).

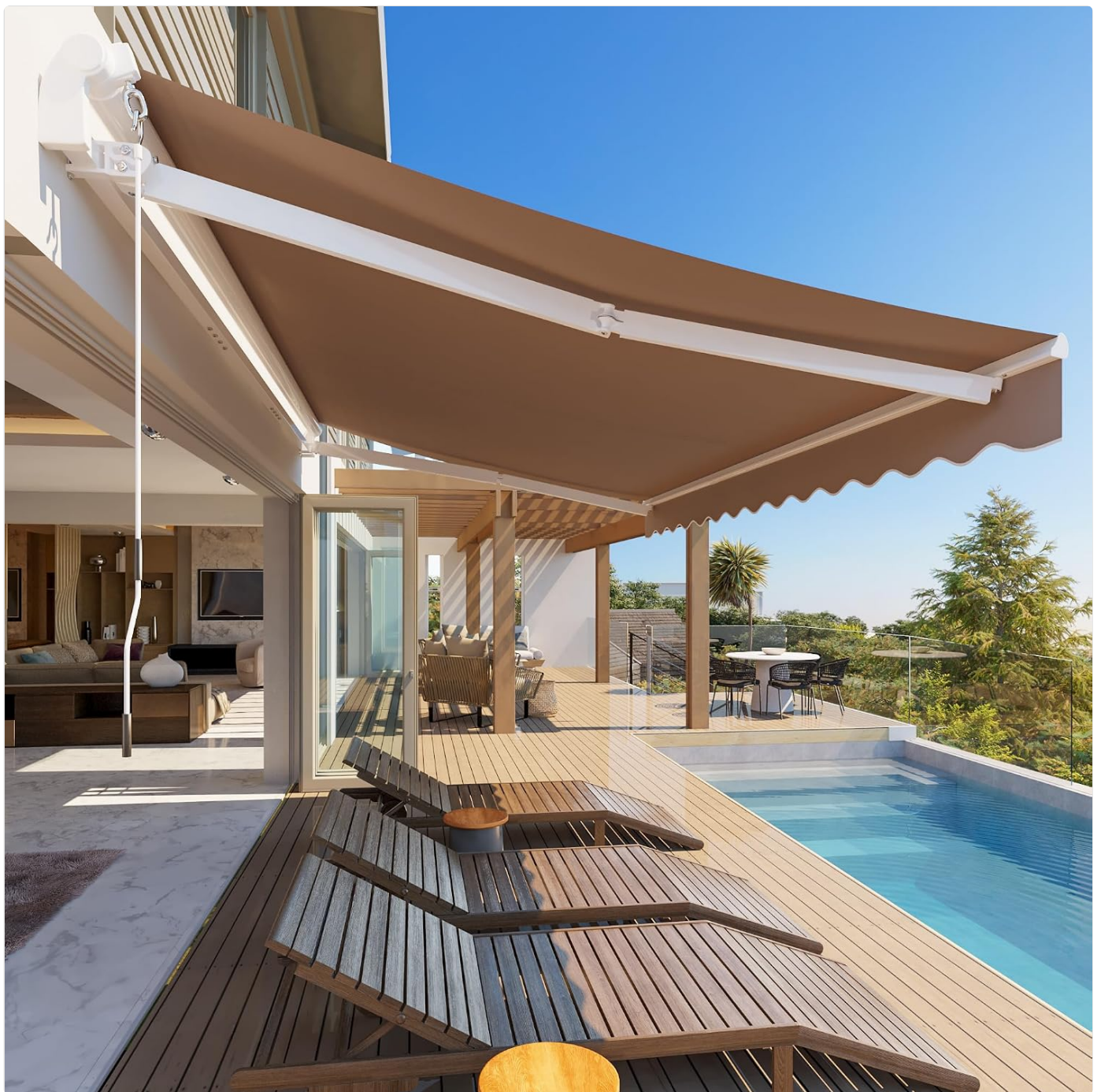


Figure 3: Awning providing shade over an outdoor living area.

5. OPERATING INSTRUCTIONS

Your Polar Aurora Retractable Patio Awning is designed for easy manual operation.

Extending and Retracting the Awning:

- Locate the hand crank (9) on the side of the awning.
- To extend the awning, turn the hand crank clockwise. Continue turning until the awning reaches your desired projection or is fully extended.
- To retract the awning, turn the hand crank counter-clockwise. Continue turning until the awning is fully retracted against the wall.
- Operate the crank smoothly and avoid excessive force.

Adjusting the Awning Slope:

The awning's slope can be adjusted to optimize shade coverage. Refer to the installation video for specific adjustment points on the arms.



Figure 4: Awning demonstrating UV and water resistance.

6. MAINTENANCE

Proper maintenance will extend the life and appearance of your awning.

- **Fabric Cleaning:** Clean the awning fabric regularly with mild soap and water. Use a soft brush or sponge. Rinse thoroughly with clean water and allow to air dry completely before retracting. Do not use harsh chemicals or abrasive cleaners.
- **Frame Cleaning:** Wipe down the aluminum and steel frame with a damp cloth to remove dirt and debris.
- **Hardware Inspection:** Periodically check all bolts, screws, and connections for tightness. Tighten any loose fasteners

to ensure stability and safety.

- **Weather Protection:** Always retract the awning during strong winds, heavy rain, snow, or other adverse weather conditions to prevent damage.
- **Winter Storage:** In areas with harsh winters, it is recommended to keep the awning fully retracted and covered if possible, or consider removing the fabric for storage.

7. TROUBLESHOOTING COMMON ISSUES

- **Awning does not extend or retract smoothly:** Check for any obstructions in the path of the arms or fabric. Ensure the hand crank mechanism is clean and free of debris. Lubricate moving parts if necessary with a silicone-based spray.
- **Fabric sags or wrinkles:** This may indicate uneven tension. Consult the installation video for instructions on adjusting fabric tension. Ensure the roller and front bar are properly aligned.
- **Awning makes unusual noises:** Inspect all connections and moving parts for looseness or wear. Tighten any loose bolts. If noises persist, contact customer support.
- **Water pooling on fabric:** Ensure the awning's slope is set correctly to allow for proper water runoff. Adjust the pitch if necessary.

8. PRODUCT SPECIFICATIONS

Feature	Specification
Brand	Polar Aurora
Model Number	OP1503Beige
Material	Polyester (280g/m² with PU coating)
Frame Material	Powder-coated Aluminum Alloy, Rust-resistant Steel
Color	Beige
Size	13 x 8 FT (156"W x 97.9"D)
Product Dimensions (D x W x H)	97.9"D x 59.7"W x 156"H (Note: H here refers to installation height range, W is width, D is projection)
Projection Distance	97.9 Inches
Operation Mode	Manual (Hand Crank)
UV Protection	80UV+
Wind Resistance	Up to 28 MPH (Beaufort scale 4)
Required Assembly	Yes

9. WARRANTY AND CUSTOMER SUPPORT

Polar Aurora is committed to providing high-quality products. While specific warranty details are not included in this manual, we offer 24-hour customer service to assist you with any issues or questions you may have regarding your retractable patio awning.

If you encounter any problems or require assistance, please do not hesitate to contact our customer support team. We will endeavor to resolve your concerns as quickly as possible.

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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.

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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