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> AECOJOY 8.2'x6.5' Manual Retractable Patio Awning Instruction Manual

AECOJOY 8.2x6.5FT

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Model: 8.2x6.5FT

1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, maintenance, and troubleshooting of your AECOJOY 8.2'x6.5' Manual Retractable Patio Awning. Please read this manual thoroughly before installation and use to ensure safe and efficient operation.

The AECOJOY retractable awning is designed to provide shade and protection from light rain, enhancing your outdoor living space. It features a durable aluminum alloy and steel frame with a high-quality 280g/m³ polyester fabric that offers 50 UV+ solar protection, wind resistance up to 30 mph, and fade resistance.

2. SAFETY INFORMATION

- **Wind Conditions:** Do not use the awning in winds exceeding 30 mph. High winds can cause damage to the awning and potentially lead to injury.
- **Stormy Weather:** Retract the awning during stormy weather, heavy rain, or snow to extend its service life and prevent damage.
- **Moving Parts:** Be cautious of moving parts during operation, especially the retractable arms and fabric roller. Keep hands and loose clothing clear.
- **Installation:** Ensure the awning is securely mounted to a reinforced concrete, brick, or wooden wall as per the installation instructions. Improper installation can lead to the awning detaching.
- **Clearance:** When mounting above a patio door, ensure at least 8 inches of clearance above the door frame to prevent interference with door operation.
- **Children and Pets:** Keep children and pets away from the awning during operation.

3. PACKAGE CONTENTS

Please verify that all parts are present and undamaged before beginning assembly. If any parts are missing or damaged, contact AECOJOY customer support.

Image: All components of the AECOJOY Retractable Patio Awning laid out for inspection.

The package typically includes:

- Roller Tubes (A-1, A-2)
- Torsion Bars (B-1, B-2)
- Front Bars (C-1, C-2)
- Wall Brackets (D)
- Roller Support (D-3)
- Crank Handle (T)
- Awning Fabric (M)
- Front Valance (O)
- Fabric Support Bars (N)
- End Caps (N-1, N-2)
- Plastic Washers (F)
- Various Screws and Bolts (A-A-1, P, Q)

4. SETUP AND ASSEMBLY

Note: Two adults are required for safe and proper installation. Refer to the assembly video for visual guidance.

Your browser does not support the video tag.

Video: AECOJOY 8.2'x6.5' Retractable Awning Assembly Instruction. This video provides a step-by-step visual guide for assembling your awning.

4.1. Connecting Roller Tubes

Connect the two roller tube sections (A-1 and A-2) using the provided screws (A-A-1). Ensure they are securely fastened to form a single, long roller tube.



Image: Illustration of connecting the roller tube sections.

4.2. Connecting Front Bars

Join the two front bar sections (C-1 and C-2) together. Secure them with the appropriate fasteners (A-A-1).

4.3. Connecting Torsion Bars

Connect the torsion bars (B-1 and B-2). **Important:** Do NOT remove the safety wrap that holds the arms down until instructed. Ensure the armrests are assembled in the correct direction to avoid damage to the awning mechanism.



Image: Detailed view of connecting the torsion bars and securing the armrests.

4.4. Fabric Assembly

Carefully slide the fabric support bars (N) into the designated pockets on the awning fabric (M). Ensure the fabric is oriented correctly (the hemmed side should face downwards). Then, slide the fabric onto the roller tube (M1) and the front bar (M2) as indicated by the arrow directions in the instructions.

4.5. Roller Support Assembly

Attach the roller support (D-3) to the roller tube assembly. Secure it using the provided bolts (P) and ensure the plastic washers (F) are installed but not fully tightened, leaving about 0.5" space in between for proper function.

4.6. Wall Mounting

Determine the optimal installation height, typically between 8 to 13 feet from the ground. For mounting above a patio door, ensure at least 8 inches of clearance above the door frame. Use a level to mark a horizontal line for the wall brackets (D).

Drill holes using a 0.55" masonry drill bit for reinforced concrete or brick walls, approximately 4" deep. Insert the expansion bolts. For wooden walls, drill 0.25" holes and use the spare wood screws. Secure the wall brackets firmly.



Image: Illustration of recommended installation height and wall mounting procedure.

Once the brackets are installed, carefully lift the assembled awning and attach it to the wall brackets using the hex screws. Ensure all connections are tight and secure.

5. OPERATING INSTRUCTIONS

5.1. Extending and Retracting the Awning

To extend the awning, insert the 59-inch manual crank handle (T) into the loop on the side of the awning mechanism. Rotate the crank handle clockwise to extend the awning to your desired projection distance. To retract the awning, rotate the crank handle counter-clockwise until the fabric is fully rolled up and secured.



Image: AECOJOY 8.2x6.5FT Beige Patio Awning in its fully extended position.

5.2. Adjusting the Awning Angle

The awning comes with a pre-set pitch/angle. If adjustment is needed, it can be done in a few easy steps. Locate the adjustment points on the armrests. Loosen the bolts to adjust the angle between 40 and 90 degrees, then tighten securely. Always ensure both sides are adjusted evenly.



Image: Diagram showing the adjustable angle feature of the awning, ranging from 40 to 90 degrees.

6. MAINTENANCE

- **Cleaning Fabric:** Clean the awning fabric periodically with mild soap and water. Rinse thoroughly and allow to air dry completely before retracting to prevent mildew. Do not use harsh chemicals or abrasive cleaners.
- **Frame Inspection:** Regularly inspect the frame, arms, and mounting brackets for any signs of wear, corrosion, or loose fasteners. Tighten any loose bolts or screws.
- **Lubrication:** Periodically lubricate moving parts with a silicone-based spray to ensure smooth operation.
- **Winter Storage:** In areas with heavy snow or ice, it is recommended to fully retract the awning and, if possible, remove it for winter storage to prevent damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Awning does not extend or retract smoothly.	Mechanism is stiff or dirty; fabric is misaligned.	Lubricate moving parts with silicone spray. Check for any obstructions or fabric misalignment on the roller.
Awning sags or is uneven.	Loose arm tension; uneven wall mounting; damaged arm.	Check and adjust the tension of the arms. Verify wall brackets are level and securely fastened. Inspect arms for damage.
Fabric tears or shows excessive wear.	Exposure to extreme weather; sharp edges on frame; improper retraction.	Always retract the awning in high winds or storms. Inspect the frame for any sharp edges that might abrade the fabric. Ensure smooth retraction.
Bolts or screws become loose.	Vibration from wind; normal wear and tear.	Regularly inspect all fasteners and tighten as necessary.

8. SPECIFICATIONS

- **Model:** 8.2x6.5FT
- **Brand:** AECOJOY
- **Material:** Aluminum, Polyester

- **Color:** Beige
- **Item Weight:** 39.33 Pounds
- **Minimum Clearance:** 7.5 Feet
- **Projection Distance:** 6.5 Feet
- **Operation Mode:** Manual
- **Fabric Type:** 280g/m³ Polyester
- **UV Protection:** 50 UV+
- **Wind Resistance:** Up to 30 mph
- **Required Assembly:** Yes



Image: Dimensions of the AECOJOY 8.2'x6.5' Patio Awning, showing 8.2ft width, 6.5ft projection, and 59" crank handle length.

9. WARRANTY AND SUPPORT

For any questions regarding assembly, product quality, or warranty claims, please contact AECOJOY customer support.

Refer to your purchase documentation for specific warranty terms and contact information.

You can visit the official AECOJOY store for more information and support:[AECOJOY Store](#)

Your browser does not support the video tag.

Video: AECOJOY 8.2'x6.5' Retractable Patio Awning. This video provides an overview of the product and its features.

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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.

Name

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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