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› AECOJOY 10' x 16' Adjustable Height Lean-to Gazebo Pergola (Model 16460BK) Instruction Manual

AECOJOY 16460BK

AECOJOY 10' x 16' Adjustable Height Lean-to Gazebo Pergola

Model: 16460BK

INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your AECOJOY 10' x 16' Adjustable Height Lean-to Gazebo Pergola. Please read all instructions carefully before beginning assembly and retain this manual for future reference. This gazebo is designed to provide a versatile outdoor shelter, featuring an adjustable height range and a durable hardtop roof.



Image: The AECOJOY 10' x 16' Adjustable Height Lean-to Gazebo Pergola providing shade over a patio seating area.

SAFETY INFORMATION

Adherence to the following safety guidelines is crucial for safe assembly and use of the gazebo:

- Always follow the provided instructions for assembly, disassembly, and use.
- Ensure the gazebo is properly anchored to the wall and the ground. All necessary hardware for wall mounting is included.
- Keep children and pets away from the assembly area to prevent accidents.
- Do not adjust the height while the gazebo is occupied.
- Always inspect the gazebo before use, and tighten any loose bolts or screws.
- Do not hang heavy objects from the gazebo frame.
- In extreme weather conditions (e.g., severe storms, heavy snow beyond capacity), consider disassembling or taking additional precautions to secure the structure.

ASSEMBLY INSTRUCTIONS

The AECOJOY Lean-to Gazebo is designed for straightforward assembly. It is recommended that at least two adults participate in the assembly process. Refer to the detailed manual included in the packaging for step-by-step visual guides.

Key Assembly Considerations:

- **Adjustable Height Range:** The rear side of the gazebo offers a flexible height range from 6.5 ft (78 inches) to 9.8 ft (118 inches). This allows for adaptation to various installation needs, such as matching eaves or door frame heights.
- **Wall-Mounted Design:** This gazebo attaches securely to a wall, eliminating the need for rear support posts and improving structural stability. All necessary wall-mounting hardware is included.
- **Anchoring:** Proper anchoring to the ground is essential for stability, especially in windy conditions. The structure is designed to withstand winds up to 70 mph when correctly anchored.



Image: Illustration detailing the adjustable mounting height range of the gazebo, from 78 to 118 inches, and how the distance from the post to the wall varies with height.

Structural Components:

- **Sun Panels:** Heavily tinted panels provide UV protection and allow some light through.
- **Aluminum Tubes:** Crisscrossing aluminum tubes offer strong support for the roof panels, contributing to high load ratings.
- **Multiple Keyholes & Triangle Structure:** The design incorporates multiple keyholes and a triangular structure to enhance the stability of the frame.



Image: Detailed view of the triangular support structure and keyholes, highlighting stability features.

OPERATION

The primary operational feature of this gazebo is its adjustable height. This allows you to customize the pitch and clearance of the roof to suit your specific needs and environment.

Adjusting Height:

1. Ensure the area around the gazebo is clear of obstructions and people.
2. Loosen the designated fasteners that secure the adjustable posts to the desired height. Refer to your assembly manual for specific fastener locations.
3. Carefully raise or lower the rear side of the gazebo to the desired height within the 6.5 ft to 9.8 ft range. It is recommended to have at least two people for this operation.
4. Once the desired height is achieved, securely tighten all fasteners to lock the posts in place. Verify that the structure is stable before use.

Note: Increasing the height of the rear side will decrease the distance between the front support posts and the wall. Conversely, lowering the height will increase this distance.

DIMENSIONS

16-Foot Wide

Adjustable Height Lean-To Wall-mounted Gazebo

Within the height adjustment range from **78 to 118"**, beginning at 78", for every **1 - inch** increase in height, the distance between the post and the wall **decreases by 0.3"**.

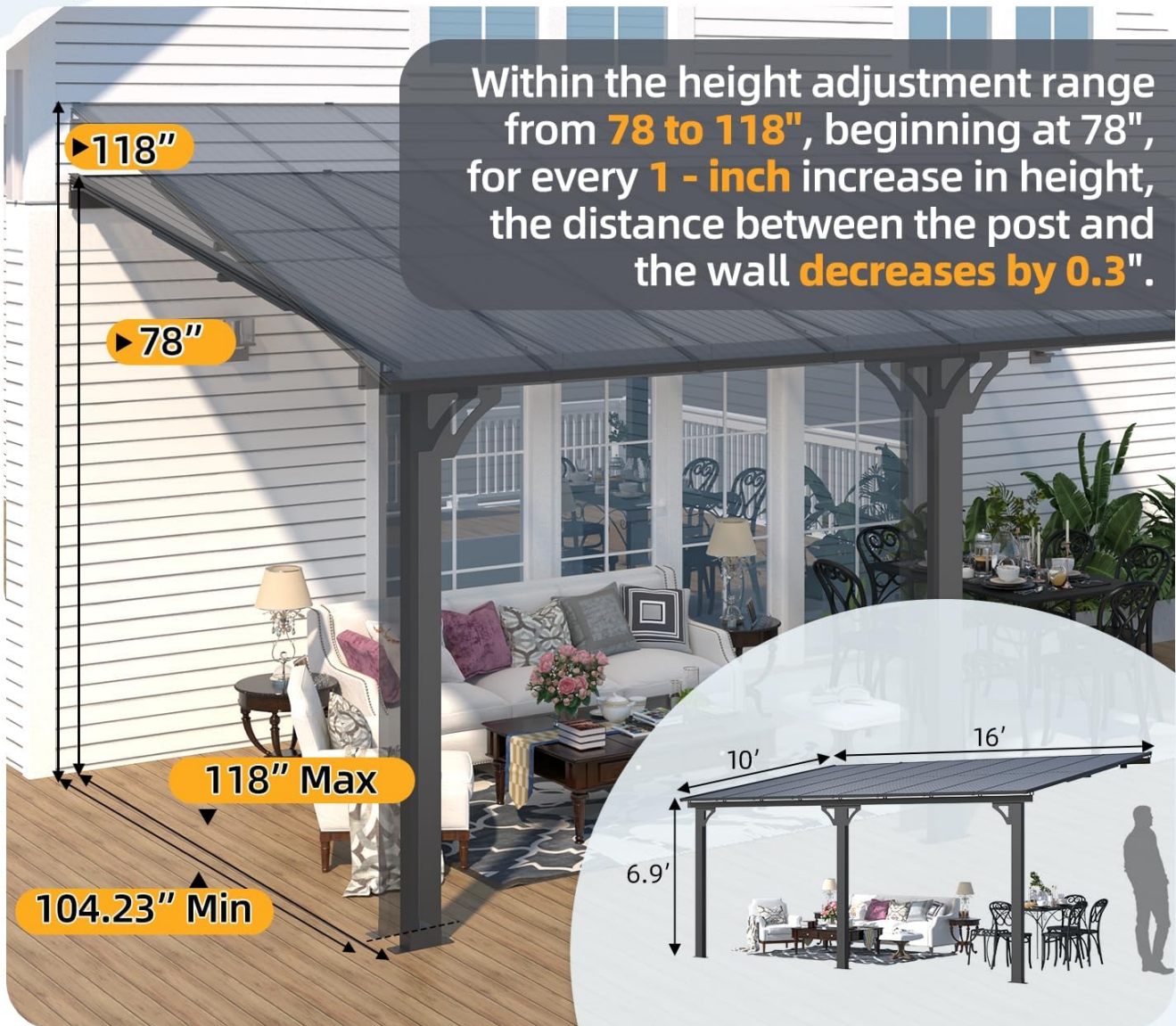


Image: A detailed diagram showing the overall dimensions and the impact of height adjustment on the gazebo's footprint.

MAINTENANCE

Regular maintenance will extend the lifespan and preserve the appearance of your AECOJOY gazebo.

Cleaning:

- Clean the roof panels and frame periodically with mild soap and water. Rinse thoroughly with clean water.
- Avoid using abrasive cleaners or harsh chemicals, as these can damage the finish and materials.
- Remove any accumulated debris (leaves, branches) from the roof to prevent drainage issues and excessive load.

Seasonal Care:

- **Snow Load Capacity:** The hardtop roof is designed to handle up to 6 lbs/sq.ft, equivalent to approximately 7 inches of heavy snow. In areas with consistently heavy snowfall, it is advisable to regularly clear snow from the roof to prevent exceeding this capacity.

- **Waterproof Performance:** The sloped design and precision-engineered roofing ensure complete waterproofing. Regularly check for any blockages in the drainage system.
- **Wind Resistance:** When properly anchored, the gazebo can withstand winds up to 70 mph. Periodically check the integrity of all anchors and connections.



Image: Visual representation of the gazebo's performance in both summer (UV protection) and winter (snow load capacity).



Flexible panels surpass rigid panels in reducing impact force from events like hailstorms. Install against the wall for strong wind resistance and high load-bearing capacity.



Anti-UV



Fire-resistant



Waterproof



Smooth Drainage



Windproof: 40-70Mph



Feavy-duty Frame

Image: Infographic detailing the benefits of flexible panels, strong wind resistance, and efficient drainage.

TROUBLESHOOTING

This section addresses common issues that may arise during assembly or use.

Common Issues and Solutions:

- **Missing or Damaged Parts:** If you find any parts missing or damaged upon unboxing, contact AECOJOY customer support immediately for replacements.
- **Difficulty with Screw Alignment:** Ensure all components are correctly oriented as per the manual. Do not overtighten screws until all parts are loosely fitted, then tighten progressively. A power drill may be used for stubborn connections, but exercise caution to avoid stripping screws.
- **Roof Panel Alignment Issues:** If roof panels do not fit perfectly, double-check the frame assembly for squareness. Minor adjustments to the frame may be necessary. In some cases, slight trimming of a panel edge might be required, but this should be a last resort and performed carefully.

- **Water Leakage:** Verify that all roof panels are correctly seated and sealed. Check for any gaps or damage to the panels. Ensure the sloped design allows for proper water runoff and that drainage channels are clear.
- **Instability:** Confirm that the gazebo is securely anchored to both the wall and the ground as instructed. Ensure all bolts and fasteners are tightened.
- **Hardware Quality Concerns:** If included washers or bolts seem insufficient, consider using fender washers or truss bolts with larger heads for better pressure distribution, especially for waterproof seals. Ensure any replacement hardware is suitable for outdoor use.

SPECIFICATIONS

Feature	Detail
Brand	AECOJOY
Model Number	16460BK
Product Dimensions	192"L x 120"W x 96"H (16'L x 10'W x 8'H)
Adjustable Height Range (Rear)	6.5 ft (78 inches) to 9.8 ft (118 inches)
Material	Aluminum, Metal, Alloy Steel (Frame)
Item Weight	156 Pounds
Color	Dark Grey
Water Resistance Level	Waterproof
Ultraviolet Light Protection	UPF 70++
Snow Load Capacity	6 lbs/sq.ft (approx. 7 inches of heavy snow)
Wind Resistance	Up to 70 mph (when properly anchored)
Assembly Required	Yes

WARRANTY AND SUPPORT

AECOJOY stands behind the quality of its products. Your gazebo comes with a warranty that covers manufacturing defects. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official AECOJOY website.

For any installation questions, missing parts, or usage concerns, our professional support team is available 24/7 to provide assistance. You can contact us through the retailer's messaging system or via the contact information provided in your product packaging.

We offer maintenance and replacement services as part of our commitment to worry-free ownership.