

## AECOJOY 16449

# AECOJOY 16' x 10' Outdoor Hardtop Gazebo Pergola Instruction Manual

Model: 16449 | Brand: AECOJOY

## INTRODUCTION

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This manual provides detailed instructions for the assembly, operation, and maintenance of your AECOJOY 16' x 10' Outdoor Hardtop Gazebo Pergola. Please read all instructions carefully before beginning assembly and retain this manual for future reference.

## Key Features

- **Tough Enough for 80 MPH Weather:** Crafted from galvanized steel and aluminum, designed to withstand winds exceeding 80 MPH.
- **Effortless Installation:** User-friendly guide, detailed manuals, and step-by-step video tutorials available.
- **Handles 20" Heavy Snow:** Galvanized hardtop provides superior durability against heavy snow compared to polycarbonate panels.
- **100% UV Protection:** Offers full UV protection for a comfortable shaded outdoor space.
- **Versatile Design:** Combines features of a canopy awning and a freestanding gazebo.
- **Worry-Free Experience:** Includes maintenance and replacement support, with 24/7 professional team availability for questions.



Figure 1: The AECOJOY 16' x 10' Hardtop Gazebo Pergola providing shade over a patio seating area.

## SETUP AND INSTALLATION

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The AECOJOY Hardtop Gazebo Pergola is designed for straightforward assembly, though it requires careful attention to detail and may benefit from two individuals for certain steps. Ensure all parts are present before beginning. A power drill is highly recommended for tightening fasteners securely.

### Dimensions and Planning

Before installation, verify the product dimensions to ensure it fits your intended space. The gazebo is designed to be wall-mounted for enhanced stability.

# DIMENSIONS

## HARDTOP GAZEBO



16 X 10 FT

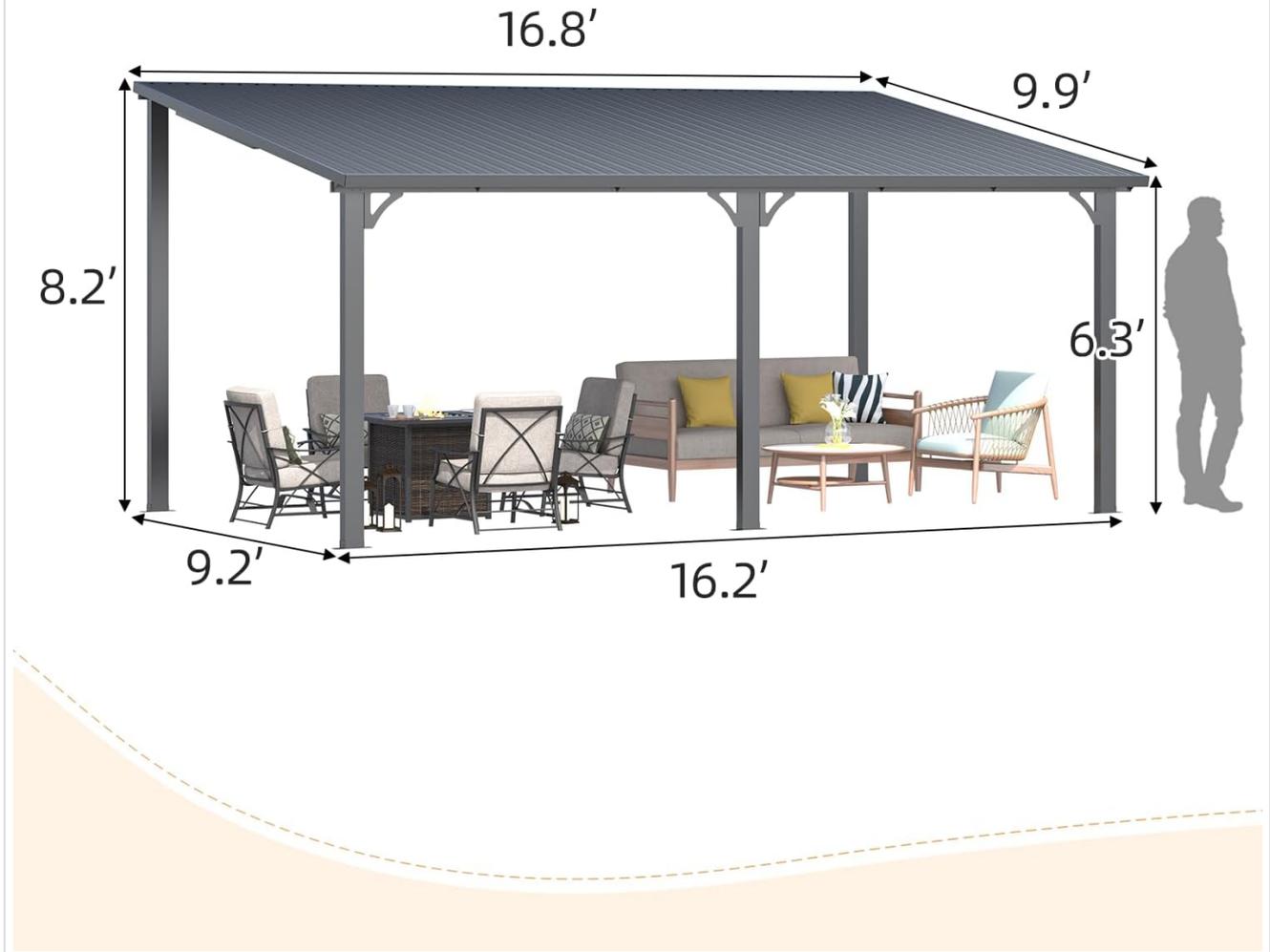


Figure 2: Detailed dimensions of the 16' x 10' Hardtop Gazebo, including height and footprint.

### Assembly Steps

- 1. Unpack and Identify Parts:** Carefully unpack all components and compare them against the parts list provided in your physical manual. Organize parts by type and size.
- 2. Assemble Frame:** Follow the step-by-step instructions to assemble the main aluminum and steel frame. Ensure all connections are secure but do not fully tighten bolts until the entire frame is upright.
- 3. Install Roof Panels:** Attach the galvanized steel roof panels. A rubber mallet may be useful to ensure panels lock into place correctly.
- 4. Secure to Structure:** Utilize the provided attachments to securely mount the gazebo to your house or a sturdy wall. Anchoring all legs is crucial for stability, especially in windy conditions.
- 5. Final Tightening:** Once the structure is fully assembled and positioned, go back and fully tighten all bolts and fasteners.

### OPERATION

Your AECOJOY Hardtop Gazebo Pergola is designed to provide a durable and comfortable outdoor living space. Its galvanized steel roof offers superior protection against various weather conditions.

## Weather Resistance

The robust construction ensures resilience against strong winds and heavy snow loads. The galvanized steel roof is highly resistant to hail and provides complete UV blockage, creating a fully shaded area.



Figure 3: The galvanized steel roof is designed for sun-block, waterproofing, smooth drainage, 80mph wind resistance, fire resistance, and heavy-duty support.



Figure 4: Visual representation of the gazebo's complete UV blockage, high-hardness hardtop adept at handling hail, and exceptional 20-inch snow load capacity.

## MAINTENANCE

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

- **Cleaning:** Clean the frame and roof panels periodically with mild soap and water. Avoid abrasive cleaners or harsh chemicals that could damage the finish.
- **Fastener Check:** Annually, inspect all bolts and fasteners to ensure they remain tight. Re-tighten as necessary.
- **Snow Removal:** While designed for heavy snow, it is advisable to clear excessive snow accumulation from the roof to prevent undue stress on the structure.
- **Sealant Inspection:** Periodically check any applied sealants (e.g., silicone caulk along roof seams) for integrity and reapply if needed to maintain waterproofing.
- **Drainage:** Ensure the roof's drainage channels are clear of debris to allow for smooth water runoff.

## TROUBLESHOOTING

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Should you encounter any issues with your gazebo, refer to the following common problems and solutions. For

persistent issues, contact customer support.

Problem	Possible Cause	Solution
Difficulty during assembly	Missing tools, complex instructions, large size requiring multiple people.	Ensure you have a power drill and a rubber mallet. Refer to the detailed manual and video tutorials. Enlist help for larger components.
Roof panels not fitting or sagging	Improper alignment during installation, lack of central support for longer spans.	Ensure panels are fully locked into place. For longer pergolas, consider adding additional central support if needed (not included).
Structure not sturdy enough	Insufficient anchoring to the house/deck, loose fasteners.	Ensure all provided attachment points are utilized and securely fastened to a stable surface. Regularly check and tighten all bolts.
Water leakage from roof	Improper panel overlap, gaps in seams, missing sealant.	Verify roof panels are correctly installed and overlapping. Apply silicone caulk to any visible gaps or seams, especially along the center.

## PRODUCT SPECIFICATIONS

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Specification	Detail
Brand	AECOJOY
Model Number	16449
Material	Aluminum, Metal (Galvanized Steel, Alloy Steel)
Style	Heavy Duty
Product Dimensions (L x W x H)	201.8" x 117.52" x 98.4"
Item Weight	232.6 Pounds (approx. 233 pounds)
Water Resistance Level	Waterproof
Shape	Rectangular
Ultraviolet Light Protection	100% Blocked
Assembly Required	Yes
Occupancy	5 person
Color	Black Steel Roof

## WARRANTY AND SUPPORT

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AECOJOY stands behind the quality of its products. Your gazebo is backed by a commitment to customer satisfaction.

### Customer Support

Our professional team is available 24/7 to answer any questions you may have regarding installation, usage, maintenance, or other inquiries. Please refer to the contact information provided in your product packaging or on the official AECOJOY website for assistance.

## **Maintenance and Replacements**

We provide support for maintenance and replacements. For specific details on warranty coverage and how to request replacement parts, please consult your purchase documentation or contact our customer service team.

## **Protection Plans**

Additional protection plans may be available for purchase to extend coverage beyond the standard warranty. These plans typically offer extended duration and comprehensive protection for your investment.

- 2-Year Protection Plan
- 3-Year Protection Plan
- Complete Protect (monthly subscription covering eligible past and future purchases)

For details on purchasing or activating these plans, please refer to the information provided at the time of purchase or contact our support team.