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AECOJOY 16454+16409BK

AECOJOY 16' x 8' Hard Top Lean-to Gazebo Instruction Manual

Model: 16454+16409BK | Brand: AECOJOY

1. PRODUCT OVERVIEW

The AECOJOY 16' x 8' Hard Top Lean-to Gazebo is designed to provide a durable and versatile outdoor shelter solution. This wall-mounted pergola features a robust hard top roof, integrated curtains, and netting, offering comprehensive protection from sun, rain, and insects. Its sturdy construction ensures stability against various weather conditions, making it an ideal addition to your patio or outdoor living space.



Figure 1.1: The AECOJOY 16' x 8' Hard Top Lean-to Gazebo providing shaded outdoor living space.

2. SAFETY INFORMATION

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

- Ensure all components are present and undamaged before beginning assembly. Do not proceed with assembly if any parts are missing or damaged.
- Assembly typically requires at least two to three adults. Attempting to assemble alone may be difficult and unsafe.
- Always use appropriate safety gear, such as gloves and eye protection, during assembly.
- Securely anchor the gazebo to a solid surface (e.g., concrete patio, wooden deck, or house wall) as instructed. Proper anchoring is crucial for stability, especially in windy conditions.
- Do not hang heavy objects from the gazebo frame.
- Regularly inspect the gazebo for loose connections, wear, or damage. Address any issues promptly.
- In extreme weather conditions (e.g., severe storms, heavy snowfall exceeding capacity, high winds), it is

recommended to remove curtains and netting and take additional precautions to secure the structure. The gazebo is designed to withstand approximately 7 inches of heavy snow and winds up to 70 mph when properly installed.

3. SETUP AND INSTALLATION

This section provides a general guide for the assembly of your AECOJOY gazebo. For detailed, step-by-step instructions, please refer to the included assembly manual and any available video tutorials from the manufacturer.

3.1. Pre-Assembly Checklist

- **Tools Required:** Phillips head screwdriver, battery-powered screwdriver/hammer drill, tape measure, magnetic level, rubber mallet (recommended for roof panel installation).
- **Personnel:** Minimum of 2-3 adults recommended for efficient and safe assembly.
- **Site Preparation:** Ensure the installation area is level and clear of obstructions. The gazebo is designed to lean against a wall.
- **Parts Verification:** Unpack all components and verify against the parts list in your assembly manual. Contact customer support immediately if any parts are missing or damaged.

3.2. Assembly Steps Overview

1. **Frame Assembly:** Begin by assembling the main metal and aluminum frame components according to the numerical sequence in your manual. Ensure all bolts and screws are tightened securely.
2. **Wall Attachment:** The gazebo is designed to attach to a wall. Utilize the provided accessories to securely fix the rear posts to your desired wall surface. Pre-drilling may be required for anchors.
3. **Roof Panel Installation:** Carefully insert the hard top sun panels into the designated channels on the roof frame. Ensure they are fully seated and secure. A rubber mallet with a wooden block may assist in seating panels without damage.
4. **Ground Anchoring:** Secure the front posts to the ground using appropriate heavy-duty screws or ground stakes for your surface (e.g., concrete screws for concrete, specialized stakes for soil). Reinforce with 2x4s under decks if installing on a wooden deck for added stability.
5. **Curtain and Netting Installation:** Once the main structure is stable, install the curtains and mosquito netting. These typically slide into tracks along the roof edges.

DIMENSIONS

16 X 8 FT HARDTOP GAZEBO

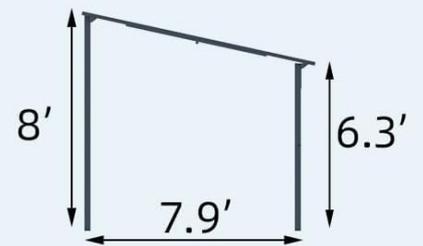
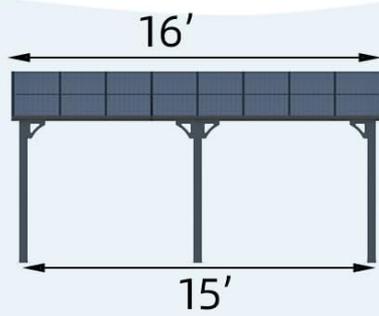
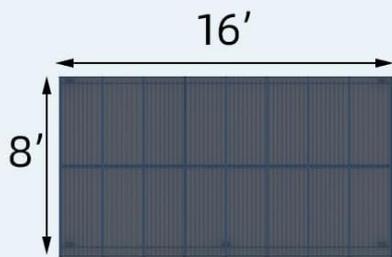
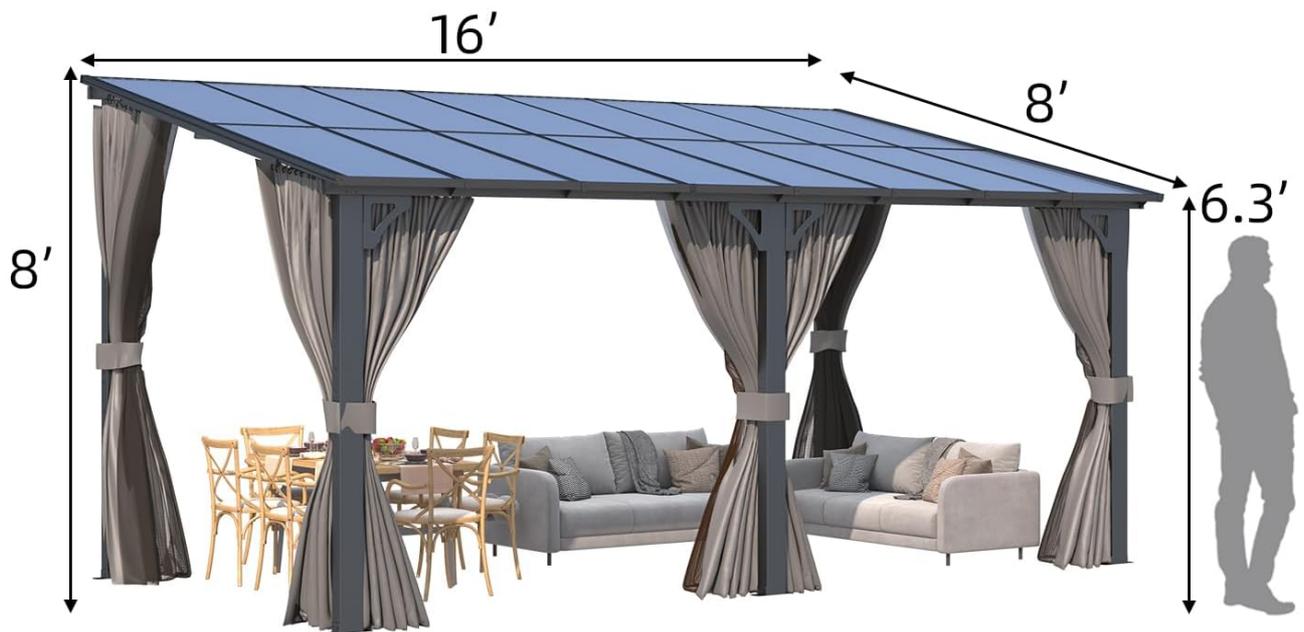


Figure 3.1: Key dimensions of the 16' x 8' Hardtop Gazebo.

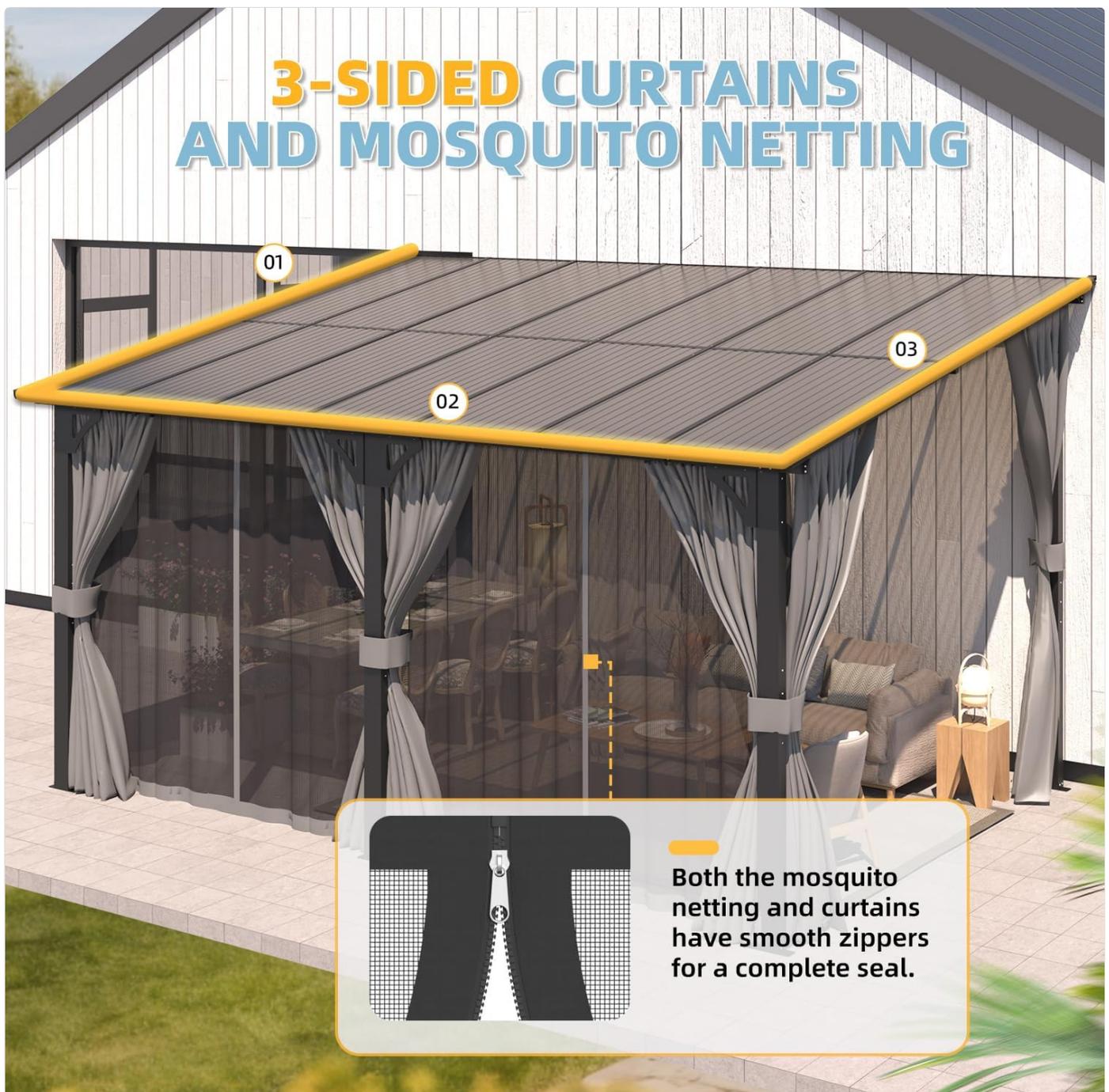


Figure 3.2: Detail of the 3-sided curtains and mosquito netting with smooth zippers for a complete seal.

4. OPERATING INSTRUCTIONS

Your AECOJOY gazebo is designed for ease of use and adaptability to various weather conditions.

4.1. Curtains and Netting

The gazebo features both privacy curtains and mosquito netting. These can be operated independently by sliding them along their respective tracks. The netting and curtains have smooth zippers, allowing for a complete enclosure to protect against insects and provide privacy.

4.2. Weather Adaptability

The hard top roof provides excellent protection against various elements:

- **Summer:** The heavily tinted roof blocks UPF 70+ and 99% UV rays, providing significant shade and protection from harmful sunlight. The netting helps keep mosquitoes and other pests out.

- **Winter:** The high-quality roof is designed to hold up to 7 inches of thick snow (equivalent to 6 lbs/sq.ft). The curtains can be closed to shelter from wind and rain, providing warmth and a more enclosed space.
- **Waterproof Performance:** The inclined roof design and meticulous detailing ensure complete water resistance, preventing leaks during rainfall.



Figure 4.1: The gazebo's performance in summer (UV protection, pest control) and winter (snow capacity, wind/rain shelter).

5. MAINTENANCE

Regular maintenance will extend the life and appearance of your gazebo.

- **Cleaning the Frame:** Wipe down the metal and aluminum frame with a soft cloth and mild soap and water solution. Rinse thoroughly and dry to prevent water spots. Avoid abrasive cleaners or harsh chemicals.
- **Cleaning the Roof Panels:** Clean the sun panels with a soft cloth and water. For stubborn dirt, use a mild, non-abrasive cleaner. Do not use stiff brushes or abrasive materials that could scratch the panels.
- **Curtains and Netting:** Refer to the care labels on the fabric for specific cleaning instructions. Typically, these can

be spot cleaned or hand washed with mild detergent. Ensure they are completely dry before storing or re-installing to prevent mildew.

- **Seasonal Inspection:** Before and after seasons with harsh weather (e.g., heavy snow, strong winds), inspect all connections, bolts, and anchoring points. Tighten any loose fasteners. Check for any signs of wear or damage to the frame, roof panels, or fabric.
- **Snow Removal:** While the roof is designed for snow capacity, it is advisable to regularly clear excessive snow accumulation to prevent undue stress on the structure. Use a soft broom or brush to avoid scratching the roof panels.

6. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Water leakage from roof	Roof panels not fully seated or sealed; damaged panel; improper installation of sealing strips.	Ensure all roof panels are pushed completely into their channels. Check for cracks or damage in panels. Apply silicone sealant to joints if necessary, especially where panels meet.
Gazebo feels unstable or sways	Insufficient anchoring; loose frame connections; uneven ground.	Verify all ground anchors are securely fastened. Tighten all bolts and screws on the frame. Ensure the installation surface is level. Consider additional bracing if in a high-wind area.
Curtains/netting difficult to slide	Tracks are dirty or obstructed; fabric is snagged.	Clean the tracks with a damp cloth to remove dirt or debris. Check for any fabric snags or tears. Apply a silicone-based lubricant to the tracks if needed (avoid oil-based lubricants).
Missing parts during assembly	Packaging error; parts overlooked.	Double-check all packaging materials. If parts are genuinely missing, contact AECOJOY customer support with your model number and a description of the missing parts.

7. SPECIFICATIONS

Feature	Detail
Brand	AECOJOY
Model Number	16454+16409BK
Product Dimensions	192"L x 96"W x 96"H (16'L x 8'W x 8'H)
Item Weight	170 Pounds
Frame Material	Metal & Aluminum
Roof Material	Sun Panels (Hard Top)
Water Resistance Level	Waterproof
UV Protection	UPF 50++ (Blocks 99% UV)
Snow Capacity	Approx. 7 inches (6 lbs/sq.ft)

Feature	Detail
Wind Resistance	Up to 70 mph (when properly anchored)
Assembly Required	Yes
Color	Dark

8. WARRANTY AND SUPPORT

AECOJOY is committed to providing a worry-free experience for its customers. We stand behind our gazebo products and offer comprehensive support.

- **Product Support:** Our professional technical team is available 24/7 to address any concerns related to installation, usage, maintenance, and more.
- **Parts and Replacements:** We provide maintenance and replacements for the product itself. Please contact customer service for assistance with specific parts or warranty claims.
- **Contact Information:** Refer to your product packaging or the AECOJOY official website for the most current customer service contact details.