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> [AECOJOY 16' x 12' Gazebo Pergola User Manual](#)

AECOJOY 16414BK

AECOJOY 16' x 12' Wall-Mounted Hard Top Gazebo Pergola User Manual

Brand: AECOJOY

Model: 16414BK

1. INTRODUCTION

This user manual provides essential information for the assembly, operation, and maintenance of your AECOJOY 16' x 12' Wall-Mounted Hard Top Gazebo Pergola. Designed to enhance your outdoor living space, this durable structure offers protection from various weather conditions, allowing for year-round enjoyment of your patio or deck.



Figure 1: AECOJOY 16' x 12' Wall-Mounted Hard Top Gazebo Pergola providing shaded outdoor living space.

2. IMPORTANT SAFETY INFORMATION

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

- **Secure Installation:** Ensure secure installation and anchoring of the gazebo. Be aware of the product's weight during handling and assembly.
- **Professional Assistance:** If you are unsure about any part of the assembly or anchoring process, consult with a qualified professional.
- **Weather Conditions:** While designed for durability, extreme weather conditions (e.g., severe storms, hurricanes, excessive snow accumulation beyond specified limits) may require additional precautions or temporary disassembly.
- **Regular Inspection:** Periodically inspect all bolts, connections, and anchoring points to ensure they remain secure.
- **Weight Distribution:** Do not hang heavy objects from the gazebo frame or roof.

3. SETUP AND ASSEMBLY

The AECOJOY Gazebo Pergola is designed for effortless installation. Detailed manuals and step-by-step video tutorials are available to guide you through the process. Our expert technical team is also available for remote assistance if needed.

3.1 Key Assembly Considerations

- **Wall Attachment:** This gazebo is designed to attach to a wall, providing enhanced stability compared to freestanding structures. All necessary accessories for wall attachment are provided.
- **Ground Anchoring:** Securely fix and stabilize the gazebo on the ground as instructed. This is crucial for stability, especially in windy conditions (up to 70 mph wind resistance).
- **UV Panels:** The roof panels are UV resistant. During assembly, ensure the side with the UV sticker is facing upwards. Remove the protective film from the panels just before installation to prevent damage.
- **Hardware:** Ensure all bolts and nuts are present and properly tightened. Some threaded holes may contain paint; clear them if necessary for smooth assembly. Using a drill with low torque can assist in tightening.
- **Panel Insertion:** For easier insertion of roof panels into connector slots, a solution of soap and water can be applied.



Figure 2: Illustration of gazebo frame components and assembly points.



Figure 3: Detailed dimensions of the 16' x 12' gazebo, including height and roof measurements.



Figure 4: Stable frame leg design with pre-drilled holes for secure mounting to the ground and wall.

4. OPERATING AND FEATURES

Your AECOJOY Gazebo Pergola is designed to provide a comfortable and protected outdoor environment. Its robust construction and thoughtful design ensure reliable performance in various conditions.

4.1 Weather Resistance

- **UV Protection:** The awning roof provides comprehensive protection against harmful UV rays, blocking UPF 50+ and 99% UV.
- **Snow Capacity:** The hard top roof is engineered to withstand significant snow loads, with a rigorous static pressure test showing it can handle 6 lbs/sq.ft, equivalent to approximately 7 inches of heavy snow.
- **Wind Resistance:** When securely fixed and stabilized as instructed, the gazebo can confidently withstand winds of around 70 mph.
- **Waterproof Performance:** The inclined design and meticulous detailing ensure complete water resistance,

keeping your outdoor space dry.



Figure 5: Visual representation of the gazebo's performance in summer (UV protection) and winter (snow capacity).

DIMENSIONS 16 X 12 FT HARDTOP GAZEBO

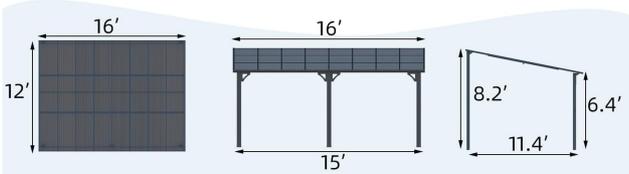
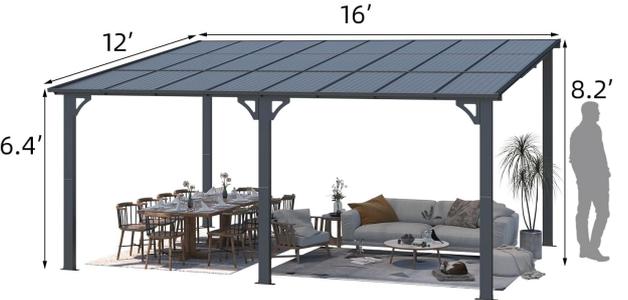


Figure 6: Features of the flexible panels and heavy-duty frame, including UV resistance and windproof capabilities.



Figure 7: The gazebo provides an ideal setting for evening relaxation and entertainment.

4.2 Product Video Overview

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Video 1: An overview of the AECOJOY Gazebo, showcasing its features and lifestyle benefits.

5. MAINTENANCE

To ensure the longevity and optimal performance of your AECOJOY Gazebo Pergola, regular maintenance is recommended.

- **Cleaning:** Periodically clean the roof panels and frame to remove dirt, leaves, and debris. A soft cloth with mild soap and water is generally sufficient. For leaves and light debris, a blower can be used.
- **Structural Integrity:** Regularly check all connections, bolts, and anchoring points for tightness. Re-tighten any loose fasteners to maintain structural stability.
- **Snow Removal:** In areas with heavy snowfall, it is advisable to clear excessive snow accumulation from the roof to prevent strain on the structure, especially if it exceeds the 7-inch capacity.
- **Water Drainage:** Ensure the inclined design allows for proper water runoff and that no water pools on the roof.

6. SPECIFICATIONS

Feature	Detail
Brand	AECOJOY
Model Number	16414BK
Product Dimensions	192"L x 144"W x 96"H (16'L x 12"W x 8'H)
Item Weight	246.4 Pounds
Material	Aluminum, Metal, Sun Panels
Frame Material	Metal & Aluminum

Feature	Detail
Color	Dark
Style	Modern
Water Resistance Level	Waterproof
Ultraviolet Light Protection	UPF 50++
Assembly Required	Yes

7. TROUBLESHOOTING

If you encounter any issues during assembly or use, please refer to the following common solutions:

- **Missing or Damaged Parts:** Carefully check all package contents against the parts list provided in your detailed manual. Contact customer support immediately if any parts are missing or damaged.
- **Difficulty with Screws/Nuts:** Ensure all threaded holes are clear of paint or debris. Use appropriate tools and avoid over-tightening to prevent stripping screw heads.
- **Roof Panel Installation:** If panels are difficult to slide into place, apply a small amount of soapy water to the edges as a lubricant. Always ensure the UV-protected side (indicated by a sticker) faces upwards.
- **Stability Concerns:** Verify that all legs are properly anchored to the ground and that the gazebo is securely attached to the wall as per instructions. Ensure all structural bolts are tightened.
- **Water Leaks:** While designed to be waterproof, minor drips can sometimes occur. Inspect panel seams and connections for any gaps and apply a suitable sealant if necessary.

8. WARRANTY AND SUPPORT

AECOJOY stands behind its products, offering a worry-free experience. We provide maintenance and replacements for the product itself, along with a professional team available 24/7 to address any concerns related to installation, usage, and more.

For assistance, please refer to the contact information provided in your product packaging or on the official AECOJOY website.