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› AECOJOY 16' x 10' Wall-Mounted Hard Top Gazebo Instruction Manual

AECOJOY 16411BK

AECOJOY 16' x 10' Wall-Mounted Hard Top Gazebo Instruction Manual

Your guide to assembly, operation, and maintenance.

1. INTRODUCTION

Thank you for choosing the AECOJOY 16' x 10' Wall-Mounted Hard Top Gazebo. This product is designed to enhance your outdoor living space, providing a durable and stylish shelter for your patio or deck. With its robust construction and thoughtful design, it offers protection from sun, rain, and even significant snow loads. Please read this manual thoroughly before beginning assembly or operation to ensure safety and optimal performance.



Figure 1.1: The AECOJOY 16' x 10' Wall-Mounted Hard Top Gazebo providing shelter over an outdoor seating area.

2. SAFETY INFORMATION

Your safety is paramount. Adhere to the following guidelines during assembly and use:

- **Secure Anchoring:** Always securely anchor the gazebo to the ground to withstand high winds. All necessary accessories for wall attachment are provided.
- **Snow Removal:** In areas with snowfall, ensure the gazebo roof is regularly cleared of snow to prevent overloading the structure. The roof is designed to withstand approximately 7 inches of heavy snow (6 lbs/sq.ft), but excessive accumulation should be avoided.
- **Assembly Personnel:** Assembly typically requires two people. A third person can be helpful for certain steps.
- **Tool Safety:** Use appropriate tools as instructed. A power drill is highly recommended for tightening fasteners.
- **Part Integrity:** Do not use damaged or missing parts. Contact customer support immediately if any components are missing or defective.

3. PRODUCT FEATURES

The AECOJOY Gazebo is engineered with several key features for durability, protection, and ease of use:

3.1 Robust Construction

- **Material:** Constructed from high-quality aluminum and metal for the frame, combined with durable sun panels for the roof.
- **Stability:** Designed to be wall-mounted, providing superior stability compared to traditional freestanding gazebos. When securely fixed and stabilized, it can withstand winds of approximately 70 mph.
- **Snow Capacity:** The hard top roof is rigorously tested to withstand 6 lbs/sq.ft, equivalent to about 7 inches of heavy snow, making it suitable for various climates.



SUMMER

Heavily tinted roof
blocks **UPF 50+ 99% UV**

WINTER

High-quality roof holds
up to **7"-thick snow**

Figure 3.1: The gazebo roof provides shade in summer and can withstand significant snow in winter.

3.2 Weather Protection

- **Waterproof Performance:** The inclined roof design and meticulous detailing ensure complete water resistance, verified through extensive outdoor testing.
- **UV Protection:** The awning roof covers an area of 160 sq.ft., providing comprehensive protection against harmful UV rays with a UPF 50++ rating.

3.3 Design and Structure

- **Sun Panels:** Heavily tinted panels allow some light through while blocking UV rays.
- **Aluminum Tubes:** Crisscrossing aluminum tubes provide strong support for the top panels, contributing to high load ratings.
- **Triangle Structure:** Triangular structures enhance the overall stability of the gazebo.
- **Keyholes:** Multiple keyholes ensure each frame is stable.
- **Stable Frame Legs:** Features 4 pre-drilled holes for easy attachment to any type of floor.
- **Wall Studs:** Each column has additional holes for secure attachment to a wall.



Figure 3.2: Detail of the stable frame leg and wall attachment points.

4. SETUP AND INSTALLATION

The AECOJOY Gazebo is designed for effortless installation. Refer to the detailed manuals and step-by-step video tutorials provided by the manufacturer for comprehensive guidance.

4.1 Before You Begin

- **Package Delivery:** Your gazebo may arrive in 3 separate packages. Ensure all packages have been received before starting assembly.
- **Tools Required:** A power drill is absolutely necessary for proper assembly. A rubber mallet and putty knives may also be helpful, especially for installing roof panels.
- **Personnel:** This is a two-person assembly project.
- **Site Preparation:** Choose a level and stable surface for installation. Ensure the wall where the gazebo will be mounted is structurally sound.

4.2 Assembly Tips

- **Check Parts:** Before assembly, check all threaded holes for paint and clear any 'punch' tabs. This will ensure smoother assembly.
- **Fasteners:** Do not lose any bolts or nuts; no extras are provided. Be mindful that some bolts may be cheap and heads can strip easily.

- **Frame Assembly:** When constructing the frame, leave bolts for arm and beam connectors (brackets) finger-tight initially. This allows for easier adjustment when installing the roof panels. Tighten all fasteners securely once panels are in place.
- **Roof Panel Installation:** The protective film on the roof panels should be removed *before* installation, contrary to some initial instructions. Using a solution of soap and water in a spray bottle can help the panels slide into the middle board connector slots more easily. Ensure the 'leak' holes on the panels are facing upwards.
- **Anchoring:** Securely anchor all five legs and attach the pergola to the house as instructed for maximum stability. If not attaching to the house, consider adding additional bracing for the back legs.



Figure 4.1: Key information regarding delivery, installation, and support.

5. OPERATING INSTRUCTIONS

Once assembled and securely anchored, your AECOJOY Gazebo is ready for use. It provides a comfortable and protected outdoor space for various activities, whether for relaxation, dining, or entertaining. The hard top roof offers continuous shade and rain protection, allowing you to enjoy your patio or deck in diverse weather conditions.



Figure 5.1: The gazebo provides a comfortable and protected outdoor living area.

6. MAINTENANCE

To ensure the longevity and continued performance of your gazebo, regular maintenance is recommended:

- **Cleaning:** Periodically clean the roof panels and frame with mild soap and water. Avoid abrasive cleaners that could damage the finish or panels.
- **Snow Load:** As mentioned in safety, clear snow from the roof promptly to prevent structural strain.
- **Fastener Check:** Annually inspect all bolts and connections to ensure they remain tight. Re-tighten as necessary.
- **Panel Integrity:** While durable, if roof panels are damaged, replacements may be available. Some customers have found compatible panels at major home improvement retailers.
- **Waterproofing:** Consider applying a silicone caulk down the center seams of the roof panels for enhanced waterproofing, especially in areas prone to heavy rain.

7. TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Gazebo feels wobbly after assembly	Insufficient anchoring or loose connections.	Ensure all legs are securely anchored to the ground and the gazebo is firmly attached to the wall. Check and tighten all bolts and fasteners. Consider additional bracing if not wall-mounted.
Difficulty installing roof panels	Protective film not removed, tight fit, or misaligned frame.	Remove protective film from panels before installation. Use soap and water solution to lubricate slots. Ensure frame bolts are finger-tight during panel installation to allow for minor adjustments.
Water dripping from roof seams	Panels not fully seated or inadequate sealing.	Ensure all panels are fully inserted into their slots. Apply silicone caulk along the roof panel seams for improved waterproofing.
Missing or damaged parts	Shipping error or manufacturing defect.	Contact AECOJOY customer support immediately for replacements. Do not attempt to assemble with missing or damaged components.

8. SPECIFICATIONS

Detailed specifications for your AECOJOY Gazebo (Model: 16411BK):

Specification	Detail
Brand	AECOJOY
Model Number	16411BK
Product Dimensions	192"L x 120"W x 96"H (16'L x 10'W x 8'H)
Item Weight	176 Pounds
Color	Dark
Material	Aluminum, Metal, Sun Panels
Frame Material	Metal & Aluminum
Water Resistance Level	Waterproof
Ultraviolet Light Protection	UPF 50++
Assembly Required	Yes

DIMENSIONS

16 X 10 FT HARDTOP GAZEBO

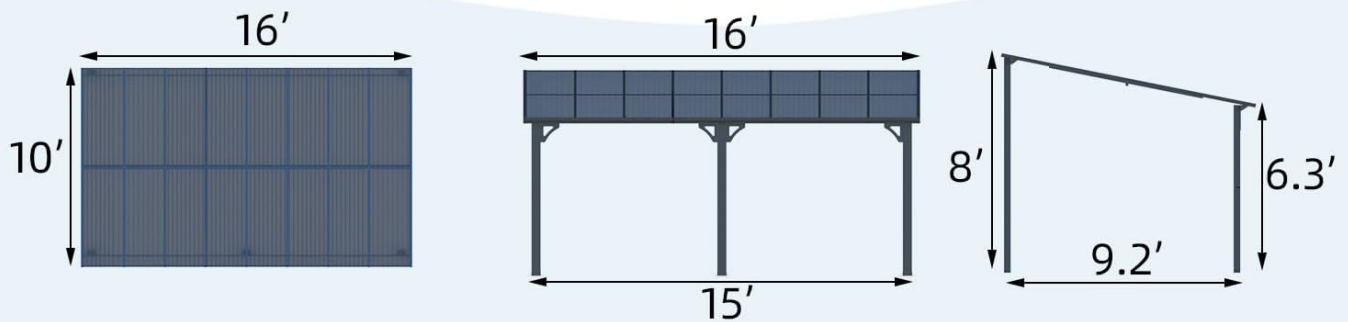
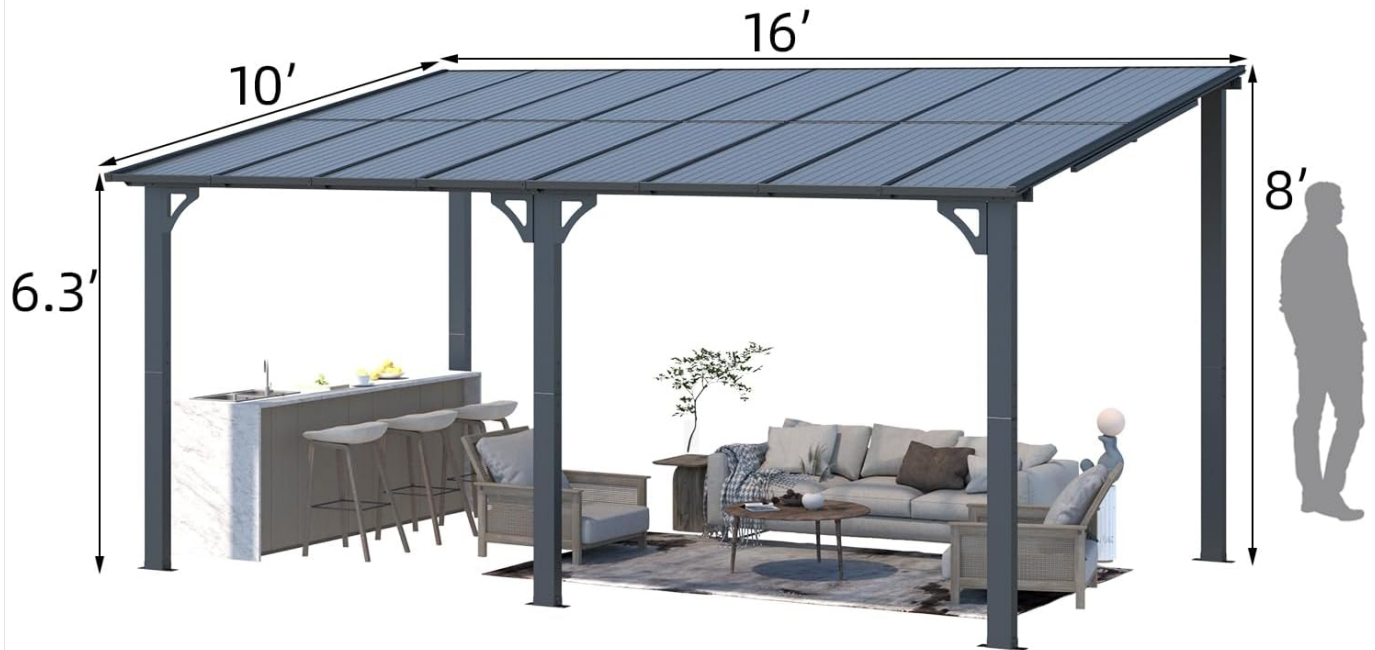


Figure 8.1: Detailed dimensions of the AECOJOY 16' x 10' Hardtop Gazebo.

9. WARRANTY AND SUPPORT

AECOJOY stands behind the quality of its products. Your gazebo comes with **one-year warranty**. We are committed to providing a worry-free experience, offering not only maintenance and replacements for the product itself but also a professional team available 24/7 to address any concerns related to installation, usage, and more. For any inquiries or assistance, please contact AECOJOY customer support.

Customer Support:

- Refer to your purchase documentation for specific contact details.
- Visit the official AECOJOY website for support resources and FAQs.

ASK A QUESTION ABOUT THIS MANUAL

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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Email

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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

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