

## AECOJOY 16406

# AECOJOY 8' x 5' Gazebo Outdoor Pergola Instruction Manual

Model: 16406

Brand: AECOJOY

## INTRODUCTION

This manual provides comprehensive instructions for the assembly, operation, and maintenance of your AECOJOY 8' x 5' Gazebo Outdoor Pergola. Designed for patio, deck, and backyard use, this lean-to hardtop grill gazebo offers robust shelter with a durable roof, providing protection against various weather conditions. Please read this manual thoroughly before beginning assembly or use to ensure safe and proper installation and long-term enjoyment of your product.

## IMPORTANT SAFETY INFORMATION

**WARNING:** Failure to follow these safety guidelines may result in injury or damage to the product.

- Always secure the gazebo to a stable foundation to prevent tipping.
- Do not use in winds exceeding 70 mph.
- Be cautious when handling hot surfaces, especially near a grill.
- Always follow the assembly instructions carefully to ensure safety and structural integrity.
- Ensure all connections are tightened securely before and after use.
- Regularly inspect the structure for any signs of wear, damage, or loose components.

## SPECIFICATIONS

Feature	Detail
Brand	AECOJOY
Model Number	16406
Product Dimensions	96"L x 60"W x 96"H (8'L x 5'W x 8'H)
Floor Area	40 Square Feet
Item Weight	79.2 Pounds
Frame Material	Metal & Aluminum
Roof Material	Sun Panels (Polycarbonate)

Color	Dark
Water Resistance Level	Waterproof
Ultraviolet Light Protection	Yes (UPF 50+, 99% UV block)
Snow Capacity	Up to 6 lbs/sq.ft (approx. 7" of heavy snow)
Wind Resistance	Withstands winds of around 70 mph (when securely fixed)
Assembly Required	Yes



Figure 1: Product Dimensions Overview

This diagram illustrates the overall dimensions of the 8' x 5' gazebo, including its length, width, and height, providing a clear understanding of its footprint and clearance.

## SETUP AND ASSEMBLY

The AECOJOY Gazebo is designed for straightforward assembly. It is highly recommended to have at least two people for the installation process. All necessary accessories are provided. Please ensure you have adequate space and the required tools (e.g., rubber mallet, drill) before beginning.

### Preparation:

- Unpack all components and verify against the parts list provided in the physical manual.
- Lay out all parts in an organized manner to facilitate easier identification during assembly.
- Ensure the chosen installation site is level and clear of obstructions.

### Assembly Steps:

#### 1. Frame Assembly:

Begin by assembling the main metal and aluminum frame components. The design incorporates a triangular structure and multiple keyholes to enhance stability. Ensure all connections are aligned correctly before tightening.



Figure 2: Frame Stability Features

This image highlights the multiple keyholes and triangular structure integrated into the frame design, which are crucial for enhancing the overall stability of the gazebo.

#### 2. Roof Panel Installation:

Install the sun panels onto the roof frame. These flexible panels are designed to reduce impact force from events like hailstorms and provide UV protection. A rubber mallet may be helpful to ensure each piece locks securely into place.



Figure 3: Roof Panel and Support Structure

This image displays the sun panels and the crisscrossing aluminum tubes that provide strong support for the roof, contributing to its high-load ratings and durability.

#### 3. Securing to Foundation/Wall:

Unlike traditional freestanding gazebos, this model is designed to attach to a wall for enhanced stability. Each column features pre-drilled holes for easy attachment to any type of floor and additional holes for wall studs. Securely fix the gazebo to the ground and the adjacent wall as instructed to withstand strong winds.



Figure 4: Stable Frame Leg and Wall Attachment

This image illustrates the stable frame leg with its pre-drilled holes for floor attachment and additional holes for securing the gazebo to a wall, ensuring maximum stability.

For detailed visual guidance, refer to the step-by-step video tutorials available on the product page or contact our technical support team for remote assistance.

## OPERATING FEATURES

---

Your AECOJOY Gazebo is engineered to provide reliable outdoor shelter with several key performance features:

- **Comprehensive Weather Protection:** The heavily tinted roof panels block up to 99% of UV rays (UPF 50+) in summer, providing excellent shade and sun protection.
- **Snow Capacity:** The high-quality roof is designed to withstand significant snow loads, capable of holding up to 6 lbs/sq.ft, equivalent to approximately 7 inches of heavy snow.
- **Waterproof Performance:** The inclined roof design and meticulous detailing ensure complete water resistance, effectively shedding rain and preventing leaks.
- **Wind Resistance:** When properly installed and secured to a stable foundation and wall, the gazebo can confidently withstand winds of around 70 mph.



Figure 5: Seasonal Performance of the Roof

This image visually demonstrates the gazebo's dual functionality, highlighting its ability to provide shade and UV protection during summer and withstand heavy snow loads in winter.

# DIMENSIONS

## 8 X 5 FT HARDTOP GAZEBO

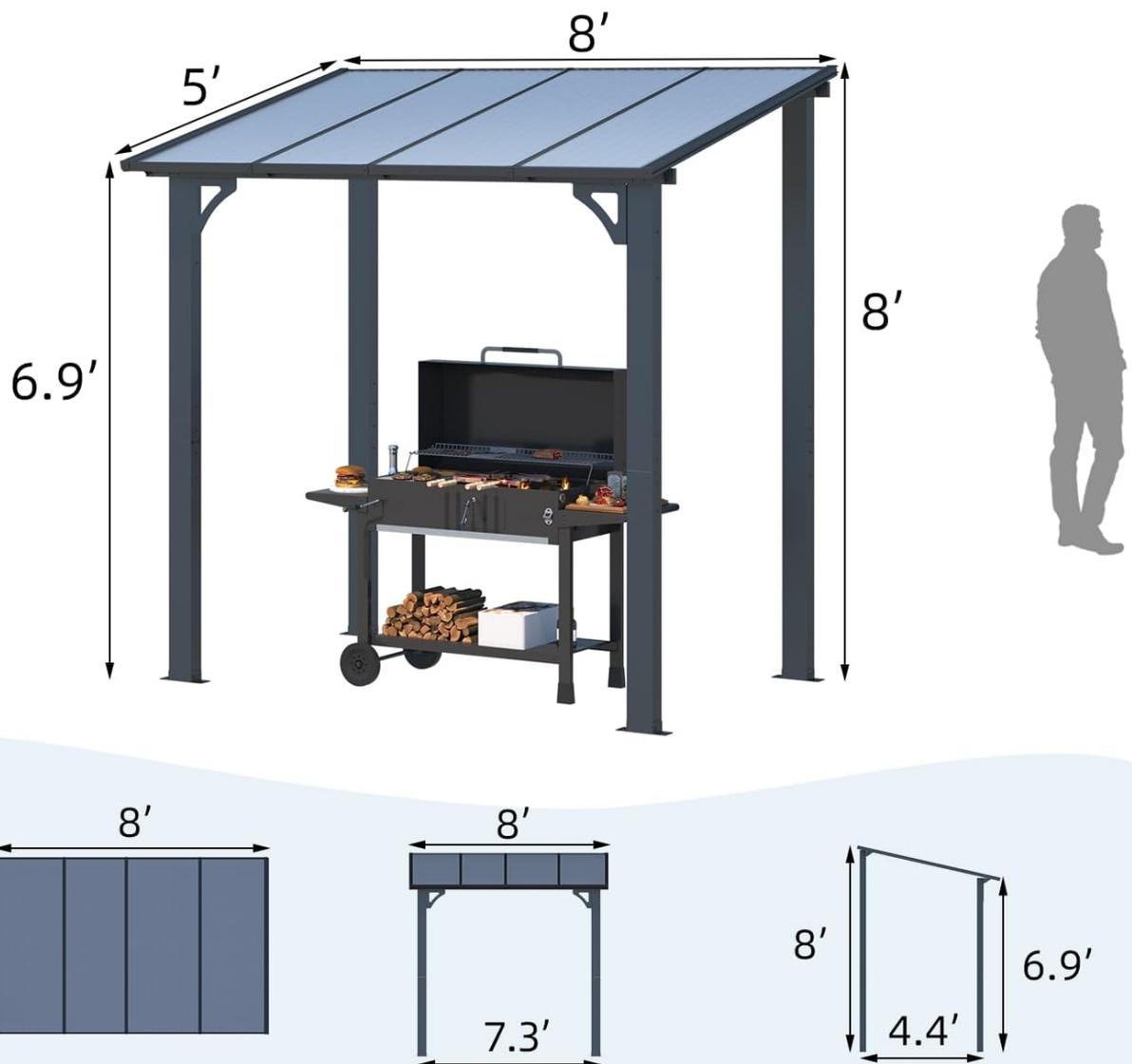


Figure 6: Key Structural and Material Features

This detailed view showcases the robust construction of the gazebo, emphasizing its anti-UV, fire-resistant, waterproof, and windproof properties, along with its heavy-duty frame and efficient drainage system.

## MAINTENANCE

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

- **Cleaning:** Clean the roof panels and frame regularly with mild soap and water. Avoid abrasive cleaners or harsh chemicals that could damage the finish or panels. Rinse thoroughly with clean water.
- **Inspection:** Periodically check all bolts, screws, and connections to ensure they remain tight. Re-tighten any loose fasteners.
- **Snow Removal:** While the gazebo is designed for snow capacity, it is advisable to remove excessive snow accumulation to prevent undue stress on the structure, especially during prolonged heavy snowfall.
- **Drainage:** Ensure the drainage system remains clear of debris (leaves, dirt) to maintain optimal waterproof performance.
- **Seasonal Checks:** Before and after seasons with extreme weather (heavy rain, snow, strong winds), perform a

thorough inspection of the entire structure.

## TROUBLESHOOTING

---

This section addresses common issues you might encounter with your gazebo.

Problem	Possible Cause	Solution
Gazebo feels unstable or wobbly.	Loose fasteners; improper anchoring to ground or wall; uneven installation surface.	Check and tighten all bolts and screws. Ensure the gazebo is securely anchored to a stable foundation and the adjacent wall. Verify the installation surface is level.
Water leakage from the roof.	Improperly installed roof panels; debris blocking drainage; damaged panels.	Ensure all roof panels are correctly seated and locked. Clear any debris from the roof and drainage channels. Inspect panels for cracks or damage; contact support for replacement if necessary.
Difficulty during assembly.	Missing parts; unclear instructions; attempting assembly alone.	Verify all parts against the manual's list. Review the detailed instructions and video tutorials. It is highly recommended to assemble with two people. Contact customer support for assistance.
Sagging in the middle (for longer models).	Lack of central support for extended lengths.	While this model is 8'x5', for larger AECOJOY pergolas, adding additional central support (not included) may be necessary, especially on the house side, as noted in customer reviews for longer variants.

## WARRANTY AND SUPPORT

---

AECOJOY stands behind its products and is committed to providing a worry-free experience.

- **Warranty:** The product comes with a one-year warranty.
- **Lifetime Support:** A professional team is available 24/7 to address any concerns related to installation, usage, maintenance, and more.
- **Replacements:** We provide maintenance and replacements for the product itself.
- **Contact:** For any inquiries or assistance, please refer to the contact information provided in your product packaging or visit the official AECOJOY website.

## ADDITIONAL RESOURCES

---

While no official product videos from the seller were available for direct embedding at the time of manual creation, AECOJOY provides additional resources to assist with your product.

- **Online Video Tutorials:** Check the product page on the retailer's website or the official AECOJOY website for detailed step-by-step video tutorials on assembly.
- **Customer Service:** For personalized assistance, contact AECOJOY customer support.