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Model: 12'x16' Hardtop Gazebo

1. PRODUCT OVERVIEW

The MELLCOM 12'x16' Hardtop Gazebo is designed to provide a durable and spacious outdoor shelter for your patio, garden, or lawn. It features a galvanized steel double roof for enhanced weather resistance and an aluminum frame for stability. This manual provides essential information for the safe assembly, operation, and maintenance of your gazebo.



Image 1.1: The MELLCOM 12'x16' Hardtop Gazebo providing a shaded outdoor living space.

Key Features:

- **Galvanized Steel Double Roof:** Fade-resistant and rust-resistant, designed to withstand heavy snow and wind. Features a water gutter system for efficient drainage and a double-top design for ventilation.
- **Rustproof Aluminum Frame:** Constructed with 4.8"x4.8" triangular powder-coated aluminum frames for enhanced stability and durability. Pre-drilled bases allow for secure anchoring on various outdoor surfaces.
- **Netting and Curtains:** Includes fully enclosed zippered, removable double-layer PBV-coated curtains and netting for UV protection, privacy, and insect resistance.
- **Integrated Hooks:** Equipped with hooks on the top roof for hanging lights and fans.
- **Spacious Design:** Provides 192 square feet of covered space, suitable for a sofa set or a 7-piece dining set.

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.

- **Anchoring:** Ensure the gazebo is securely anchored to the ground to prevent tipping or collapse, especially in windy conditions.
- **Weather Conditions:** Check the snow capability and wind rating specifications. While designed for durability, extreme weather conditions may require additional precautions or temporary disassembly.

- **Assembly Personnel:** Assembly requires multiple individuals. It is recommended that 4-6 people work together for safe and efficient installation.
- **Component Inspection:** Before assembly, inspect all components for any damage. Do not proceed with assembly if any parts are damaged.
- **Clearance:** Maintain adequate clearance around the gazebo from heat sources, open flames, and electrical wiring.
- **Children and Pets:** Keep children and pets away from the assembly area to prevent accidents.

WARNING: This gazebo is a large structure. Improper assembly or anchoring can lead to serious injury or property damage. Always prioritize safety during installation and use.

3. PACKAGE CONTENTS

The MELLCOM 12'x16' Hardtop Gazebo is shipped in a total of 6 boxes. Please ensure all boxes are received and all parts are accounted for before beginning assembly. Refer to the included parts list in your physical manual for detailed component identification.

Typical Components Include:

- Aluminum Frame Posts and Beams
- Galvanized Steel Roof Panels
- Double-Layer Curtains (PBV-coated)
- Insect Netting (PBV-coated)
- Hardware Kit (bolts, nuts, washers, anchoring screws for concrete)
- Assembly Tools (basic wrenches/Allen keys)
- Instruction Manual

Note: The provided anchoring screws are typically for concrete. If installing on a wooden deck or other surface, appropriate anchoring hardware must be sourced separately.

4. ASSEMBLY INSTRUCTIONS

Assembly of the MELLCOM Hardtop Gazebo typically takes 6-8 hours with 4-6 people. Follow the step-by-step instructions provided in your physical manual. The following are general guidelines and important considerations:

4.1 Preparation:

- **Unpack and Verify:** Carefully unpack all boxes and lay out components. Cross-reference with the parts list to ensure everything is present and undamaged.
- **Tools Required:** In addition to the provided tools, a cordless drill with appropriate bits (e.g., Allen key bits) can significantly speed up assembly. Ensure the drill clutch is set low to prevent overtightening.
- **Work Area:** Choose a flat, level surface for assembly. Ensure ample space around the gazebo footprint.

4.2 Frame Assembly:

- Assemble the main support posts and beams according to the manual. Do not fully tighten all bolts until the entire frame is upright and squared.
- The 4.8"x4.8" triangular powder-coated aluminum frame provides robust support.

EXCEEDING 4 INCHES

Upholding High Standards for Stability and Wind Resistance



Ensuring a Safer and More Durable Structure for Your Outdoor Enjoyment

Image 4.1: Illustration of the robust 4.8"x4.8" frame posts.

Rustproof Triangular Aluminium Frame

Equipped with 4.8"x4.8" powder-coated triangular aluminum frames, the gazebo is more stable, durable.

 Stable

 Durable



Image 4.2: Detail of the rustproof triangular aluminum frame.

4.3 Roof Panel Installation:

- This is often the most challenging part. It is recommended to install panels sequentially, securing the bottom of each panel joint to hold the previous panel in place.
- Ensure all clips are properly seated. If hardware seems too short, a helper pushing up from underneath the panel can help expose bolt threads.
- The galvanized steel double roof is designed for durability and weather resistance.



Image 4.3: The galvanized steel double roof and its water gutter design.

4.4 Anchoring:

- Once the gazebo is fully assembled and squared, anchor the pre-drilled bases to your chosen surface.
- For concrete, use the provided anchors. For wooden decks, use appropriate lag screws (e.g., 1.5" lag screws).
- Do not anchor the legs until the main structure is complete and squared to allow for necessary flex during assembly.



Image 4.4: Pre-drilled bases for secure anchoring.

5. OPERATING INSTRUCTIONS

5.1 Curtains and Netting:

- The gazebo includes a double-track system for the curtains and netting, allowing them to be operated independently.
- Use the zippered double-layer PBV-coated curtains for privacy and enhanced UV protection.
- Deploy the insect netting to protect against mosquitoes and other pests while maintaining ventilation.
- When not in use, the curtains and netting can be tied back using the integrated Velcro straps.

Excellent Material

Exquisite Details

More User-Friendly



**Top Hooks,
Fit Fans & Lights**



**Two-in-One Velcroes,
Easy Storage**



**Top Nets,
Insect Resistant**

Image 5.1: Details of curtains, netting, and integrated hooks.



Good Ventilation



Privacy Protection

Equipped with a double-track system, you could slide each layer with ease to meet your need.

**Detachable Curtains
and Nettings**

5.2 Ventilation and Lighting:

- The double-top roof design facilitates air circulation, aiding in cooling and reducing wind pressure.
- Utilize the integrated "J" and "U" hooks on the roof structure to hang outdoor-rated lights or ceiling fans for enhanced comfort and ambiance.



Image 5.3: Integrated hooks for fans and lights.

6. MAINTENANCE

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

- **Cleaning:** Clean the galvanized steel roof and aluminum frame periodically with mild soap and water. Avoid abrasive cleaners or harsh chemicals.
- **Curtains and Netting:** The PBV-coated curtains and netting can be cleaned with a damp cloth. They are removable for more thorough cleaning if necessary.
- **Anchoring Check:** Periodically check the security of the anchoring points, especially after strong winds or heavy precipitation. Tighten any loose fasteners.
- **Snow Removal:** While the roof is designed to withstand snow, heavy accumulation should be cleared to prevent excessive stress on the structure.
- **Seams:** Consider applying a silicone sealant to roof panel seams during assembly or as part of annual maintenance to prevent minor water seepage.



Image 6.1: Gazebo designed for year-round use, withstanding snow and wind.

7. TROUBLESHOOTING

This section addresses common issues that may arise during assembly or use.

- **Difficulty with Roof Panel Clips:** If clips fall off or are hard to secure, try installing panels sequentially, securing the bottom joint of each panel to hold the previous one. Having a second person push up from underneath the panel can help align bolt holes.
- **Hardware Length Issues:** If bolts appear too short to engage nuts, ensure all frame components are loosely assembled first. Once the entire frame is in place, gently adjust and apply pressure to align holes before tightening.
- **Water Seepage:** Minor water seepage along roof panel seams can occur. Applying a silicone sealant to these seams during assembly or as a preventative measure can mitigate this. Ensure the water gutter system is clear of debris.
- **Gazebo Not Square:** Do not fully tighten all frame bolts until the entire structure is assembled and you can verify it is square. Adjust as needed before final tightening and anchoring.
- **Curtains/Netting Sticking:** Ensure the tracks are clean and free of debris. Lubricate with a silicone spray if necessary.

8. SPECIFICATIONS

Feature	Specification
Brand	MELLCOM
Model	12'x16' Hardtop Gazebo
Dimensions (L x W x H)	192 x 144 x 123.6 inches (16' x 12' x 10.3')
Floor Area	192 Square Feet
Item Weight	440 Pounds
Frame Material	Alloy Steel, Aluminum, Metal (Powder-coated)
Roof Material	Galvanized Steel (Double Roof)
Curtain/Netting Material	PBV-coated fabric
Color	Brown
Water Resistance Level	Waterproof
UV Protection	Yes
Assembly Required	Yes
UPC	722794386299

12 * 16 FT Hardtop Gazebo

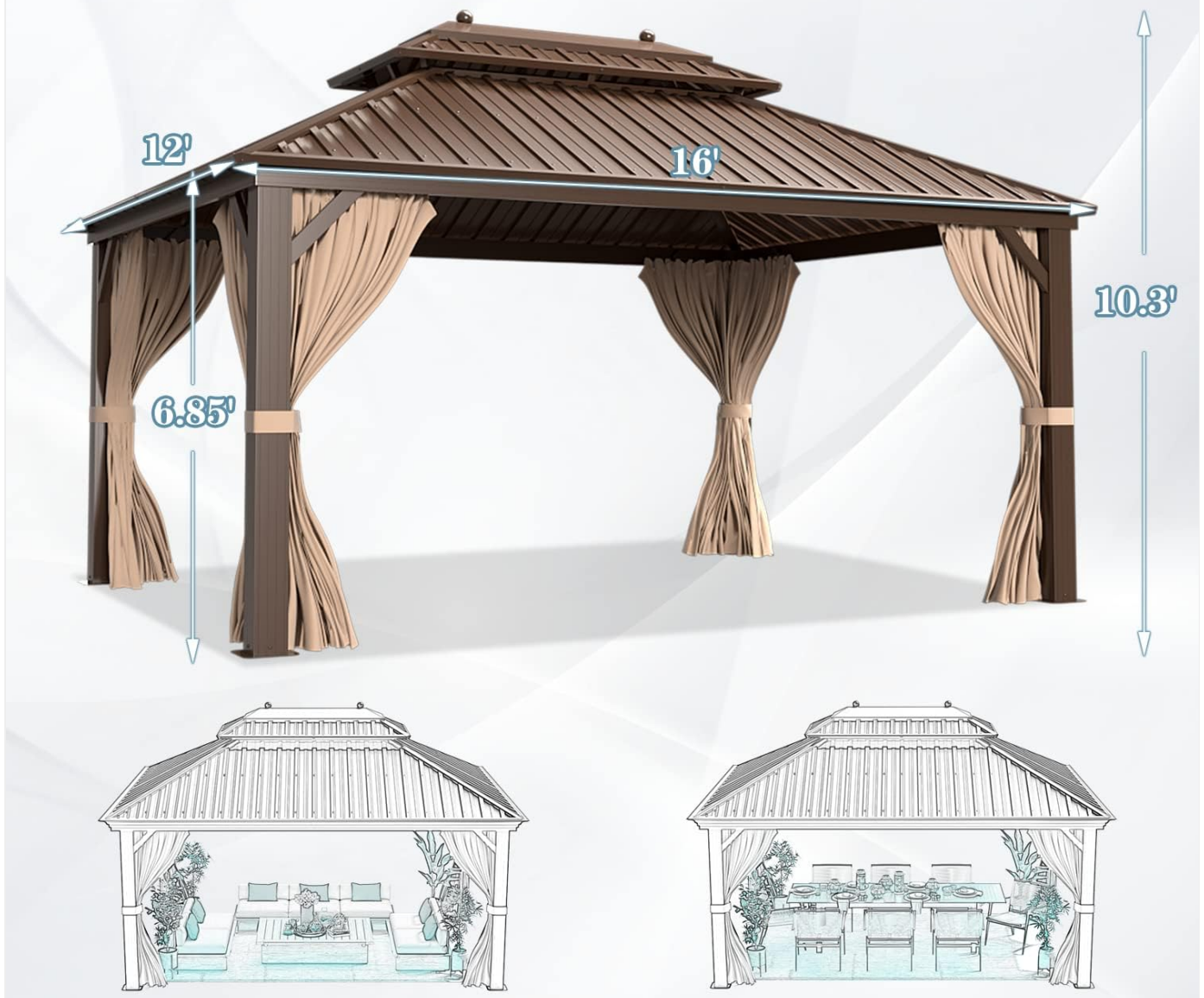


Image 8.1: Dimensional diagram of the 12'x16' Hardtop Gazebo.

9. WARRANTY AND SUPPORT

MELLCOM is committed to providing excellent after-sales service. While specific warranty details are not provided in this manual, please retain your proof of purchase.

For any questions regarding assembly, missing parts, product defects, or general inquiries, please contact MELLCOM customer support.

Contact Information: Please refer to the contact details provided with your purchase documentation or visit the official MELLCOM website for support.

