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PURPLE LEAF 12' x 16' Louvered Pergola with Fixed Shutter Wall

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INSTRUCTION MANUAL

Introduction | Safety Information | Parts List | Setup & Assembly | Operating Instructions | Maintenance | Troubleshooting | Specifications | Warranty & Support

1. Introduction

Thank you for choosing the PURPLE LEAF 12' x 16' Louvered Pergola with Fixed Shutter Wall. This manual provides essential information for the safe assembly, operation, and maintenance of your new outdoor structure. Please read all instructions carefully before beginning assembly and retain this manual for future reference.

Image: The PURPLE LEAF Louvered Pergola providing shade over an outdoor seating area.

2. Safety Information

Always prioritize safety during 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 assembly. Do not proceed with assembly if any parts are missing or broken.
- Assembly requires at least two adults.
- Wear appropriate safety gear, including gloves and eye protection, during assembly.
- Choose a level and stable surface for installation.
- Securely bolt the pergola to the ground or concrete to prevent tipping, especially in windy conditions.
- Do not hang heavy objects from the pergola frame or louvers.
- Keep children and pets away from the assembly area.
- Regularly inspect the pergola for loose fasteners or signs of wear and tear.

3. Parts List

Before starting assembly, verify that all parts listed below are included in your package. Refer to the detailed parts diagram in your separate assembly guide for identification.

- Aluminum Frame Components (Beams, Columns)
- Adjustable Louvered Roof Panels
- Fixed Shutter Wall Panels (1/3 short side, 1 long side)
- Drainage System Components
- Hardware Kit (Bolts, Screws, Washers, Anchors)
- Operating Rod for Louvers

Image: An exploded view illustrating the main components and their features, including aluminum material, adjustable louvers, integrated lighting strip system, reinforced columns, thicker aluminum beams, and integrated drainage system.

4. Setup & Assembly

Follow these general steps for assembling your pergola. Detailed, step-by-step instructions with diagrams are provided in a separate assembly manual. Ensure you have all necessary tools before beginning.

1. **Site Preparation:** Clear the installation area of any debris. Ensure the ground is level and stable. Mark the positions for the pergola columns.
2. **Assemble the Frame:** Connect the main beams and columns according to the assembly guide. Ensure all connections are secure.
3. **Install Louvered Roof:** Carefully place and secure the adjustable louvered roof panels onto the frame.
4. **Attach Shutter Walls:** Install the fixed shutter wall panels on the designated 1/3 short and 1 long beam sides. Note that these walls are fixed and cannot be closed.
5. **Integrate Drainage System:** Connect the internal drainage components to ensure proper water runoff.
6. **Secure to Ground:** Bolt the pergola columns securely to the ground or concrete using appropriate anchors.

Image: Illustrations demonstrating how independently mounted louvered walls can be installed on various sides of the pergola (1 wide side, 1 long side, 1 long & wide side).

Image: A detailed view of an all-aluminum louvered wall, highlighting its durable construction that resists rust, peeling, and fading.

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Video: An overview of the PURPLE LEAF 12' x 16' White Louvered Pergola, showcasing its design and features in an outdoor setting.

5. Operating Instructions

Your pergola features an adjustable louvered roof for customizable shade and sunlight, and fixed shutter walls for privacy.

Adjusting the Louvered Roof

The louvered roof can be rotated from 0° to 90° using the provided operating rod. This allows you to control the amount of sunlight and ventilation. Rotate the louvers to a fully closed position for maximum shade or rain protection, or open them partially or fully for sun exposure.

Image: A close-up view of the adjustable pergola louvers, demonstrating their 0° to 90° rotation for flexible shading control.

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Video: This video demonstrates the easy adjustment of the louvered roof, showing how to open and close the louvers to control sunlight and shade.

Fixed Shutter Walls

The pergola includes fixed shutter walls on 1/3 of a short side and 1 long side. These walls are designed to provide privacy and partial shade. They are set at a fixed angle and cannot be adjusted or closed.

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Video: This video highlights the privacy features of the louvered pergola with its fixed shutter walls.

6. Maintenance

Regular maintenance will help prolong the life and appearance of your pergola.

- **Cleaning:** Clean the aluminum frame and louvers periodically with mild soap and water. Rinse thoroughly with clean water. Avoid abrasive cleaners or harsh chemicals.
- **Drainage System:** Ensure the hidden drainage system is free of debris (leaves, dirt) to prevent water accumulation.
- **Inspection:** Annually inspect all bolts and fasteners to ensure they are tight. Check for any signs of corrosion or damage to the aluminum structure.
- **Winter Care:** In areas with heavy snowfall, it is recommended to keep the louvers open to prevent snow accumulation on the roof, which could cause structural damage.

Image: A diagram illustrating the built-in gutter system, showing how rainwater is diverted through integrated gutters and posts to the ground.

7. Troubleshooting

Here are solutions to common issues you might encounter:

- **Louvers not adjusting smoothly:** Check for any obstructions in the louver mechanism. Ensure the operating rod is correctly engaged. Apply a silicone-based lubricant if necessary.
- **Water pooling on the roof:** Verify that the drainage system is clear of debris. Ensure the pergola is installed on a level surface and that the roof panels are correctly aligned.

- **Pergola feels unstable:** Re-check all frame connections and ensure they are tightened. Confirm that the pergola is securely anchored to the ground or concrete.
- **Noise during windy conditions:** Ensure all louvers are either fully open or fully closed to minimize movement. Check for any loose components that may be rattling.

8. Specifications

Feature	Detail
Brand	PURPLE LEAF
Model	12' x 16' Louvered Pergola with Fixed Shutter Wall
Material	Aluminum
Product Dimensions	192.2"L x 148.11"W x 94.49"H
Frame Material	Aluminum
Water Resistance Level	Water Resistant
Shape	Rectangular
Ultraviolet Light Protection	50
Assembly Required	Yes
Color	White Shutter Wall(1/3W and 1L)

Image: A technical drawing displaying the vertical, front, and side views of the pergola with detailed measurements for overall dimensions, column size, and base plate size.

Image: A close-up showing the stable tough aluminum construction, with dimensions of the column (4.33" x 4.33") and fine sanding for a smooth surface.

9. Warranty & Support

For warranty information and customer support, please refer to the warranty card included with your product or visit the official PURPLE LEAF website. If you have any questions or require assistance with assembly or parts, do not hesitate to contact PURPLE LEAF customer service.