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ZMTECH 2Pc-6FT-Silver

ZMTECH 6FT Flag Pole with Solar Light Instruction Manual

Model: 2Pc-6FT-Silver

Introduction

This manual provides detailed instructions for the assembly, operation, and maintenance of your ZMTECH 6FT Flag Pole with Solar Light. Please read these instructions carefully before installation and use to ensure proper function and longevity of the product.



Image: The ZMTECH 6FT Flag Pole with Solar Light installed on a house, displaying a flag.

Package Contents

Verify that all components are present before beginning assembly:

- 2 x 6FT Stainless Steel Flagpoles (1" diameter)
- 2 x Upgraded Aluminum Alloy Brackets
- 4 x Tangle-Free Rotating Rings
- 6 x Carabiners
- 2 x Decorative Top Balls
- 2 x Solar Lights
- Mounting Hardware (screws, anchors)

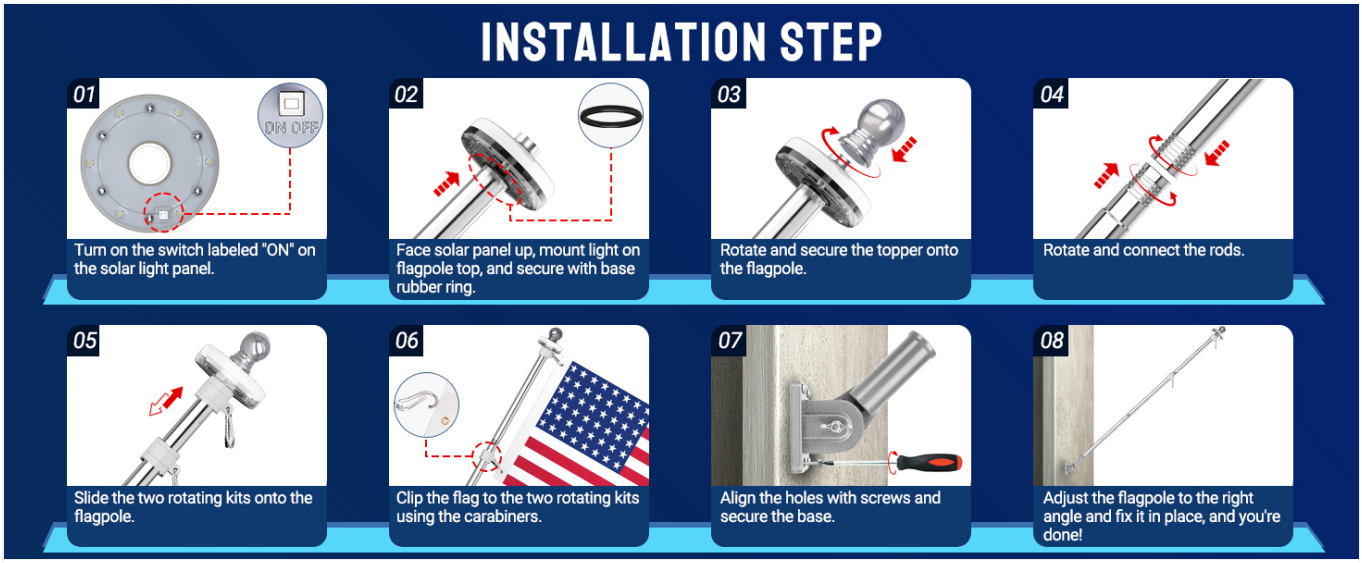


Image: An illustration showing the various components included in the flag pole kit, such as the solar light, bracket, rotating rings, and five-section flagpoles.

Setup and Installation

Follow these steps to assemble and install your flag pole:

1. **Prepare the Solar Light:** Locate the switch on the solar light panel and turn it to the "ON" position.
2. **Attach Solar Light to Flagpole:** Face the solar panel upwards. Mount the solar light onto the top section of the flagpole, securing it with the provided rubber ring.
3. **Secure the Topper:** Rotate and secure the decorative top ball onto the flagpole, above the solar light.
4. **Assemble Flagpole Sections:** Connect the five flagpole sections by rotating and screwing them together. The length can be adjusted between 1.3 feet and 6 feet as needed.
5. **Install Rotating Rings:** Slide the two rotating ring kits onto the flagpole. These rings are designed to prevent the flag from tangling.
6. **Attach Flag:** Clip your flag to the two rotating kits using the provided carabiners. Ensure the flag grommets are securely attached.
7. **Mount the Bracket:** Position the aluminum alloy bracket on your desired mounting surface (e.g., house wall, porch). Align the holes and secure the bracket using appropriate screws and anchors (not included for all surfaces, wood screws recommended for wood). The bracket offers two fixed positions (90° and 45°) for stability.
8. **Insert Flagpole:** Insert the assembled flagpole into the bracket. Adjust the flagpole to the desired angle and fix it in place using the bracket's locking mechanism.



Image: A detailed diagram of the solar light, showing its dimensions, auto-on/off feature, dustproof and waterproof design, and 10-hour runtime after 4-6 hours of charging.



Image: Close-up views of the flagpole's elegant topper, two grommets for 360° rotation, 1-inch diameter measurement, and the rotating rod connections for easy installation.



Image: An adjustable flagpole bracket demonstrating its 13 locking positions for 1-inch flagpoles, allowing for various display angles.

Operating Instructions

Solar Light Operation:

The integrated solar light is designed for automatic operation. Once the switch on the solar panel is set to "ON" during installation, the light will:

- **Charge during the day:** The solar panel requires 4-6 hours of direct sunlight to fully charge.
- **Automatically illuminate at night:** The light will turn on automatically at dusk and provide illumination for up to 10 hours on a full charge.

For optimal performance, ensure the solar panel is positioned to receive maximum direct sunlight throughout the day. The ideal angle for the solar light to absorb sunlight efficiently is between 0° and 45° relative to the sun.

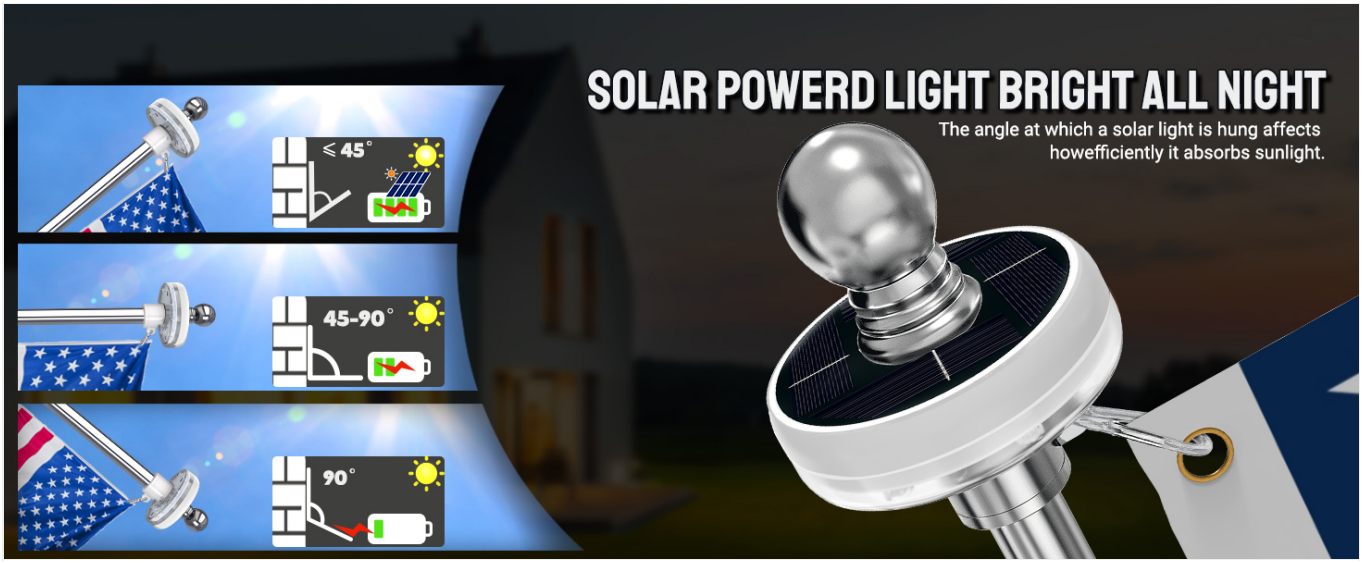


Image: Illustrations demonstrating how the angle of the solar light affects its charging efficiency, with optimal charging at angles less than 45 degrees.

Flag Tangle-Free System:

The flagpole is equipped with two rotating rings and carabiners that allow the flag to rotate 360 degrees around the pole. This design minimizes flag tangling, even in windy conditions.

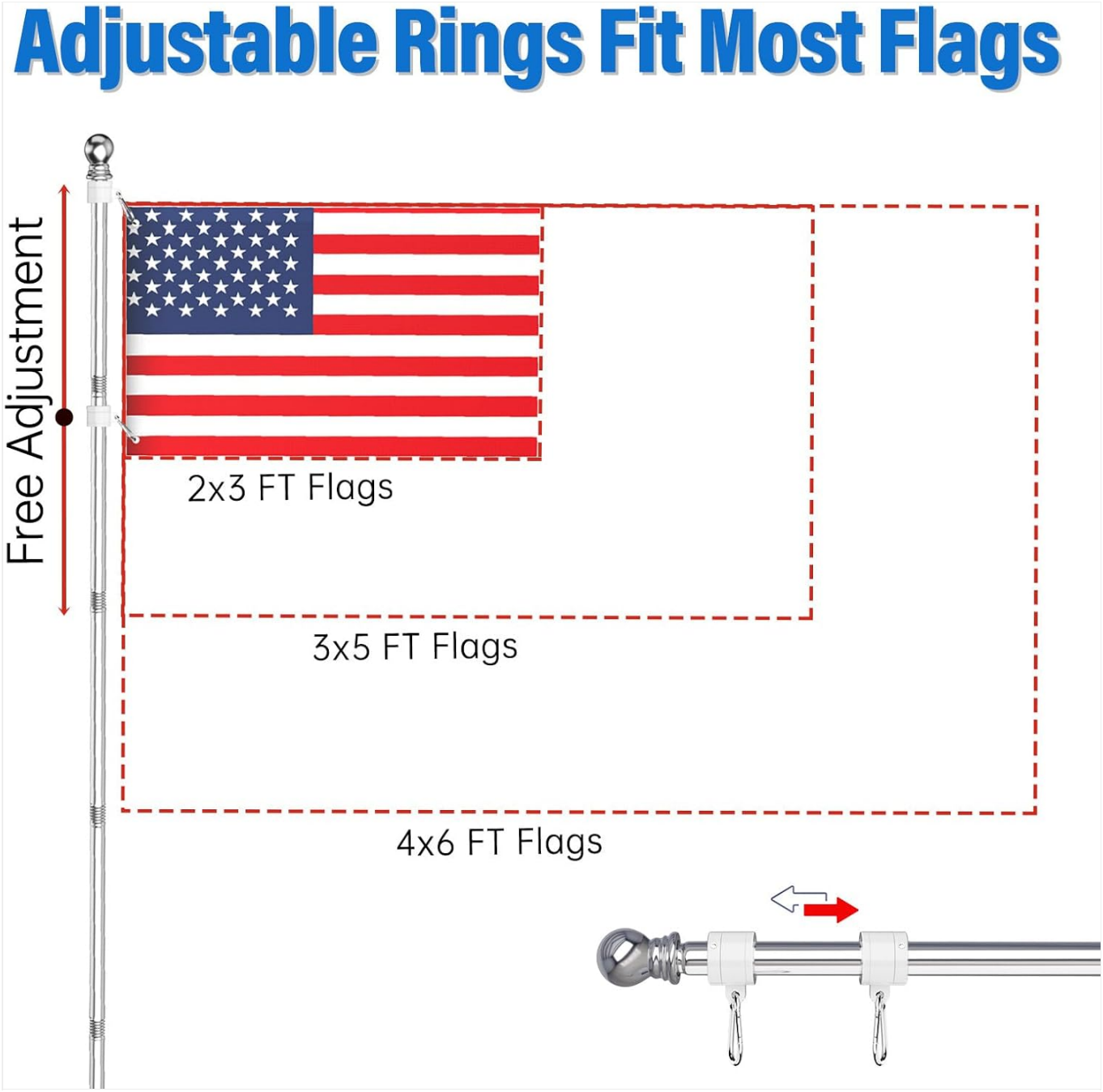


Image: A diagram illustrating the adjustable rings and how they accommodate different flag sizes (2x3 FT, 3x5 FT, 4x6 FT) on the flagpole.

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Video: A short demonstration of the ZMTECH Flag Pole with Solar Light, showcasing its features and illumination at night.

Maintenance

To ensure the longevity and optimal performance of your ZMTECH Flag Pole, consider the following maintenance tips:

- **Cleaning:** Periodically wipe down the flagpole and solar light with a damp cloth to remove dirt, dust, and debris. This is especially important for the solar panel to maintain charging efficiency.
- **Inspection:** Regularly inspect all components, including the flagpole sections, rotating rings, carabiners, and mounting bracket, for any signs of wear, damage, or loosening. Tighten any loose screws on the bracket.
- **Solar Light Performance:** Ensure the solar panel remains clear of obstructions (e.g., leaves, snow, heavy dust buildup) that could reduce its ability to charge.
- **Material Durability:** The flagpole is constructed from high-quality stainless steel and aluminum alloy, designed to resist rust, bending, and breaking under normal weather conditions.



Image: A visual comparison highlighting the superior material strength of the ZMTECH flagpole (0.5mm thickness) compared to others (0.3mm), emphasizing resistance to breaking, rust, and bending.

Troubleshooting

Problem	Possible Cause	Solution
Solar light does not turn on at night.	◦ Solar light switch is OFF. ◦ Insufficient charging during the day. ◦ Solar panel is dirty or obstructed. ◦ Battery issue (less common).	◦ Ensure the switch on the solar panel is set to "ON". ◦ Relocate the flagpole to an area with more direct sunlight (4-6 hours required). ◦ Clean the solar panel surface. ◦ Contact customer support if issues persist after troubleshooting.

Problem	Possible Cause	Solution
Flag tangles around the pole.	◦ Rotating rings are stuck or obstructed. ◦ Carabiners are not properly attached. ◦ Extreme wind conditions.	◦ Check if the rotating rings can spin freely. Clean any debris. ◦ Ensure carabiners are securely clipped to the flag grommets and rings. ◦ While the system is designed to minimize tangling, extreme winds may still cause issues. Consider taking the flag down during severe weather.
Flagpole feels unstable or loose.	◦ Bracket mounting screws are loose. ◦ Flagpole sections are not fully tightened.	◦ Tighten all screws securing the mounting bracket to the surface. ◦ Ensure all flagpole sections are securely rotated and connected.



Image: An illustration showing factors that may shorten the solar light's runtime, including an angle too large for optimal charging, bad

weather (cloudy/rainy days), and dust cover on the solar panel.

Specifications

- **Product Dimensions:** 16.06 x 4.33 x 3.82 inches (packaged)
- **Item Weight:** 4.73 pounds
- **Flagpole Length:** Adjustable from 1.3 feet to 6 feet (2ft/3ft/4ft/5ft/6ft sections)
- **Flagpole Diameter:** 1 inch
- **Material:** High-quality Stainless Steel (pole), Aluminum Alloy (bracket)
- **Solar Light Charge Time:** 4-6 hours in direct sunlight
- **Solar Light Runtime:** Up to 10 hours (on full charge)
- **Manufacturer:** ZMTECH
- **Model Number:** 5FT (referring to the base length, adjustable to 6FT)

For further assistance, please contact ZMTECH customer support.

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