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ZMTECH 5FT Flag Pole Kit with Solar Light

ZMTECH 5FT Flag Pole Kit with Solar Light and Embroidered American Flag Instruction Manual

Product Overview

This manual provides instructions for the ZMTECH 5FT Flag Pole Kit, which includes a stainless steel flagpole, a solar-powered light, an embroidered American flag, an adjustable bracket, and tangle-free rings. This kit is designed for displaying flags both day and night in residential and commercial settings.

Key Features:

- **Complete Kit:** Includes 5FT Flag Pole, Solar Light, Embroidered US Flag, Adjustable Bracket, 2 Tangle-Free Rings, 4 Carabiners, Top Ball, and Installation Manual.
- **Solar-Powered Light:** Designed for 24/7 flag display, charges in 3-5 hours of sunlight and operates for up to 10 hours.
- **Adjustable Bracket:** High-strength aluminum alloy bracket with 13 positions for angle adjustment.
- **Tangle-Free Rings:** Upgraded rings allow 360° rotation to prevent flag entanglement.
- **Durable Materials:** Rust-resistant stainless steel pole and aluminum alloy holder. The 3x5FT flag is made of durable, windproof, and wrinkle-resistant polyester with brass grommets and embroidered stars.
- **Easy Assembly:** Five-stage design for straightforward installation without professional tools.

Setup Instructions

Follow these steps to assemble and install your ZMTECH Flag Pole Kit.

Package Contents:

Before beginning, ensure all components are present:

- Flag Pole sections (5FT model has multiple sections)
- Solar Light
- Embroidered US Flag (3x5FT)
- Adjustable Bracket
- 2 Tangle-Free Rings

- 4 Carabiners
- Top Ball
- Installation Manual (this document)
- Hex wrench (for set screws)
- Mounting screws and wall anchors



Figure 1: Components of the ZMTECH Flag Pole Kit.

Assembly Steps:

1. **Assemble the Flagpole:** Connect the flagpole sections by rotating them clockwise until secure. The 5FT pole typically consists of multiple threaded sections.
2. **Attach Top Ball:** Rotate and secure the top ball onto the uppermost flagpole section.
3. **Install Solar Light:**
    - Remove the flagpole rings temporarily.

- Ensure the solar panel on the light is facing upwards.
- Set the solar light on top of the flagpole, just below the top ball.
- Re-position the flagpole rings below the solar light.
- *Important:* Make sure the switch button on the solar light is turned ON before installation to allow it to charge and operate automatically.

4. **Attach Tangle-Free Rings:** Slide the two tangle-free rings onto the flagpole. These rings are designed to rotate 360 degrees.
5. **Connect Flag:** Use the provided carabiners to clip the flag's grommets to the rotating rings. Ensure the flag is oriented correctly.
6. **Mount the Bracket:**
    - Select a suitable mounting location (e.g., house wall, porch post).
    - Align the adjustable bracket and mark the screw holes.
    - Drill pilot holes if necessary and secure the bracket using the provided screws and wall anchors.
    - Adjust the bracket to your desired angle (13 positions available) and tighten the set screw with the hex wrench to fix the angle.
7. **Insert Flagpole:** Carefully insert the assembled flagpole into the mounted bracket.

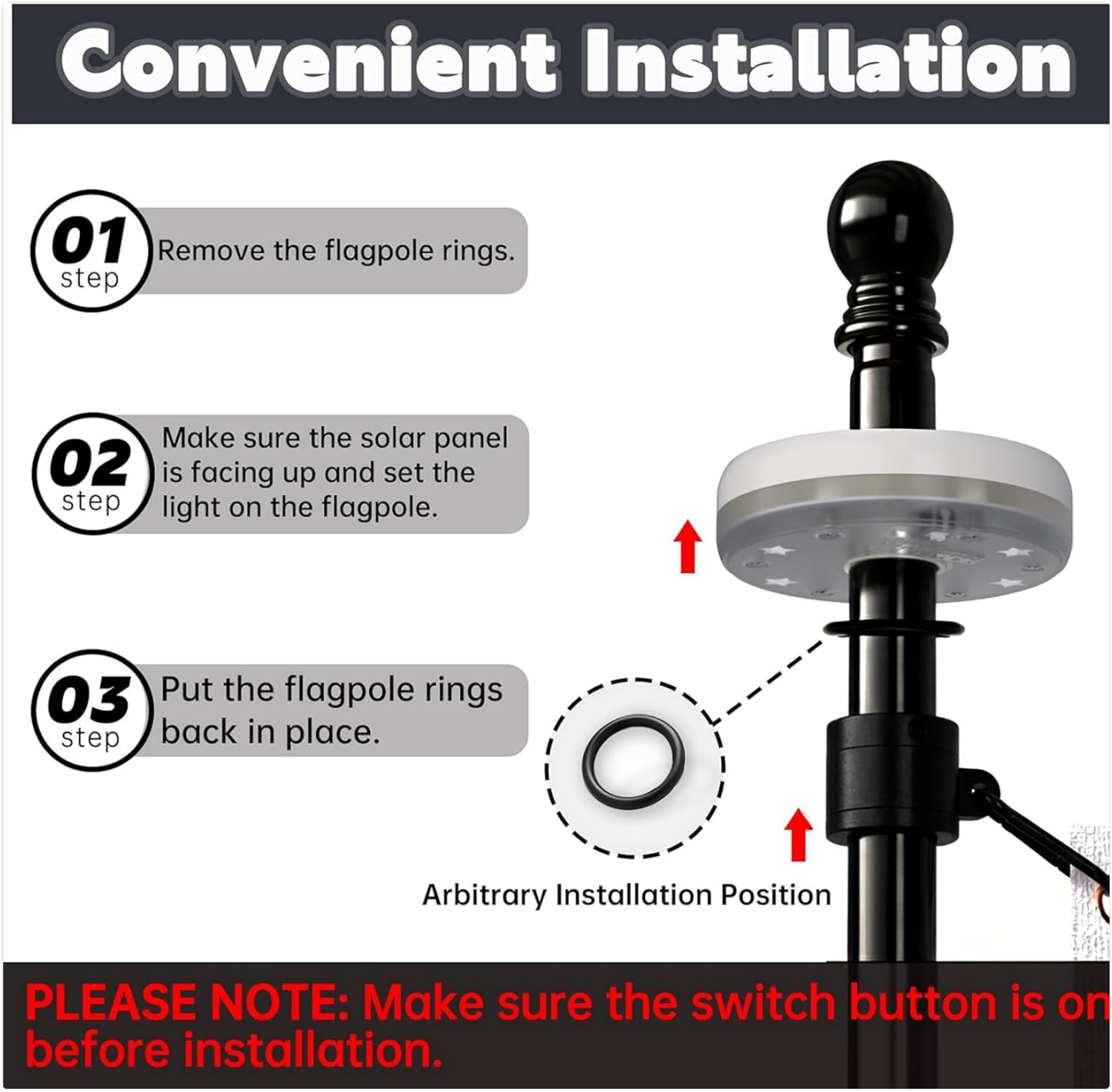


Figure 2: Solar Light and Ring Installation Steps.

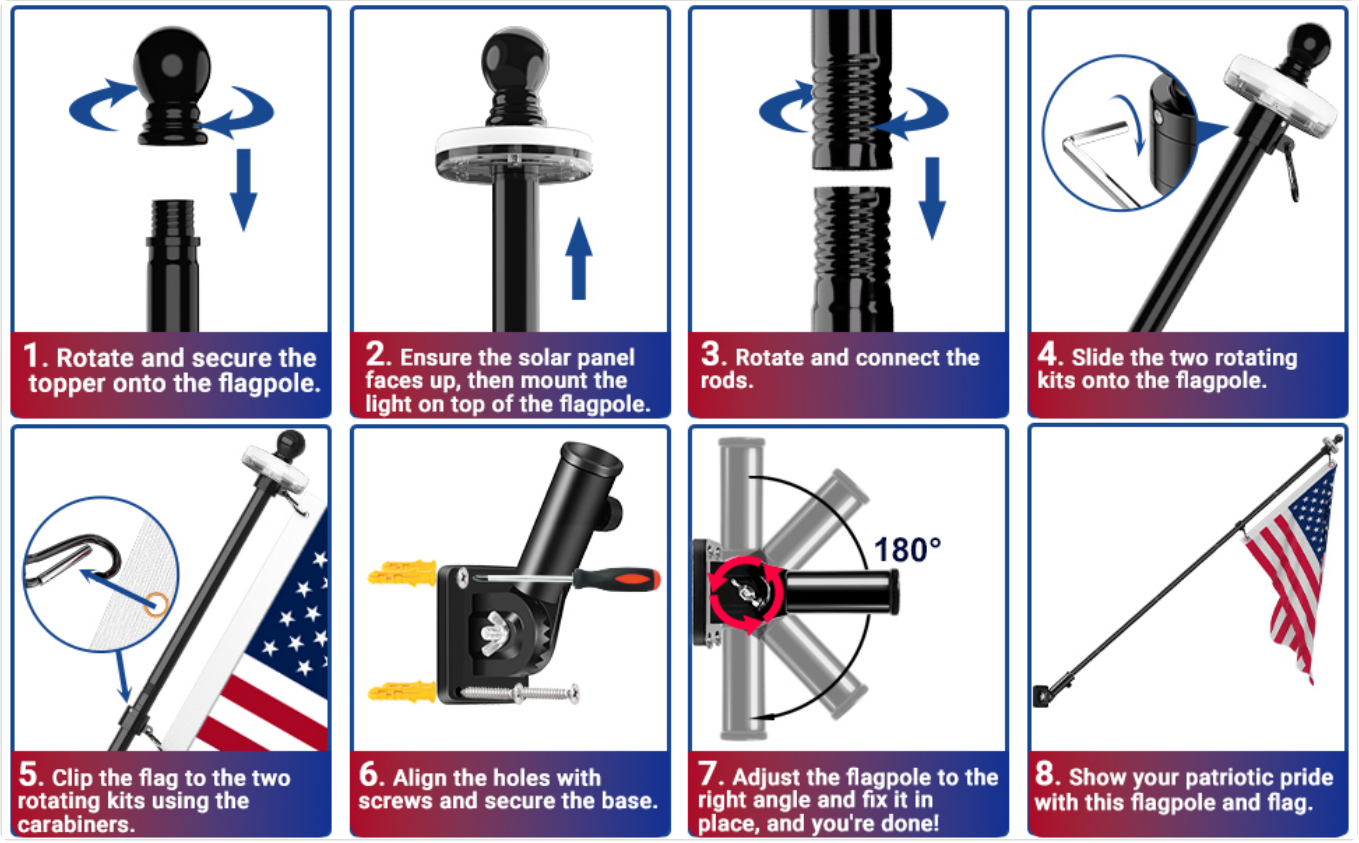


Figure 3: Comprehensive Assembly and Mounting Guide.

Installation Video:

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Video 1: How to Install ZMTECH Flagpole with Solar Light. This video demonstrates the step-by-step installation process for the flagpole kit, including attaching the solar light and mounting the bracket.

Operating Instructions

The ZMTECH Flag Pole Kit is designed for simple, automatic operation, especially concerning the solar light.

Solar Light Operation:

- **Automatic On/Off:** Once the solar light's switch is set to ON during installation, it will automatically turn on at dusk and turn off at dawn.
- **Charging:** The solar panel requires 3-5 hours of direct sunlight to fully charge. A full charge provides up to 10 hours of illumination.
- **Optimal Angle:** For best charging efficiency, ensure the flagpole is installed at an angle that allows the solar panel to receive maximum direct sunlight throughout the day. An ideal angle for the flagpole is between 0° and 45° from vertical for optimal solar light performance.



Figure 4: Solar Light Features and Night Illumination.



Figure 5: Solar Light Charging and Runtime Factors.

Operation Video:

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Video 2: ZMTECH Flag Pole with Solar Light. This video showcases the flagpole kit, highlighting the solar light's functionality and the flag's display.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your flag pole kit.

- **Solar Panel Cleaning:** Periodically wipe the solar panel clean with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures efficient charging.
- **Flag Inspection:** Regularly check the flag for any signs of wear, tear, or fading. Replace the flag if it becomes damaged to maintain its appearance.
- **Pole and Bracket Inspection:** Although made of rust-resistant materials, occasionally inspect the flagpole and

bracket for any signs of corrosion or loosening. Tighten any loose screws on the bracket as needed.

- **Tangle-Free Rings:** Ensure the tangle-free rings rotate freely. Clean any accumulated dirt or debris that might hinder their movement.
- **Weather Conditions:** In extreme weather conditions (e.g., severe storms, high winds), consider temporarily lowering or removing the flag and flagpole to prevent damage.

Troubleshooting

Here are solutions to common issues you might encounter with your ZMTECH Flag Pole Kit.

Problem	Possible Cause	Solution
Solar light does not turn on at night or has short runtime.	• Solar light switch is OFF. • Insufficient sunlight for charging. • Solar panel is dirty or obstructed. • Flagpole angle is too steep (over 45 degrees). • Continuous bad weather (overcast days).	• Ensure the solar light switch is in the ON position. • Relocate the flagpole to an area with more direct sunlight. • Clean the solar panel regularly to remove dust and debris. • Adjust the flagpole bracket to an angle between 0° and 45° from vertical for optimal solar exposure. • Allow several sunny days for the light to fully charge after prolonged bad weather.
Flag gets tangled around the pole.	• Tangle-free rings are stuck or not rotating. • Flag grommets are not properly attached to carabiners.	• Inspect the tangle-free rings for obstructions and ensure they can rotate freely. Clean if necessary. • Verify that the flag's grommets are securely attached to the carabiners on the rotating rings.
Flagpole sections become loose.	• Sections were not tightened sufficiently during assembly. • Vibrations from wind.	• Disassemble and re-tighten all flagpole sections firmly. • Consider applying a thread-locking compound (e.g., plumber's tape) to the threads for added security, if desired.

Specifications

Feature	Detail
Brand	ZMTECH
Model	5FT Flag Pole Kit with Solar Light
Pole Material	Stainless Steel
Bracket Material	Aluminum Alloy
Flag Material	Durable Polyester with Embroidered Stars and Brass Grommets
Flag Size	3x5FT
Pole Length	5FT

Feature	Detail
Solar Light Charge Time	3-5 hours (sunny day)
Solar Light Runtime	Up to 10 hours
Bracket Adjustment	13 positions, 180° adjustable
Tangle-Free Rings	360° rotation
Color	Black
Recommended Uses	Residential, Commercial, Yard, Garden, House, Truck, Boat

Warranty and Support

For any questions or concerns regarding your ZMTECH Flag Pole Kit, please contact our customer support. We are committed to providing a satisfactory resolution.
While specific warranty details are not provided in this manual, ZMTECH stands behind the quality of its products. Please retain your proof of purchase for any support inquiries.
You can typically find contact information for ZMTECH through the retailer where you purchased the product or by visiting the official ZMTECH store page online.

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