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> MEIHUA Solar Spot Lights Outdoor Color Changing, 4 in 1 Landscape Lighting RGB Spotlights with Remote Control, IP66 Waterproof Solar Lights Outdoor Garden for Pathway Yard Pool Tree Instruction Manual

MEIHUA MH-SL-SP04

MEIHUA Solar Spot Lights Outdoor Instruction Manual

Model: MH-SL-SP04

Brand: MEIHUA

1. INTRODUCTION

Thank you for choosing MEIHUA Solar Spot Lights. This manual provides detailed instructions for the installation, operation, and maintenance of your new outdoor lighting system. These solar-powered spotlights are designed to provide versatile and energy-efficient illumination for your garden, pathway, yard, pool, or trees, featuring color-changing capabilities and remote control for enhanced user experience.

2. PRODUCT OVERVIEW

Key Features:

- **Multiple Color Changing and Remote Control:** Offers 10 static colors and 12 dynamic modes, controllable via an included remote.
- **Energy Saving:** Automatic charging during the day and automatic illumination at night.
- **Large Capacity Battery and Control Box:** Features a power indicator (30%, 70%, 100%) on the battery box.
- **Memory and Timing Function:** Recalls the last used setting and allows for automatic shut-off after 2, 4, or 6 hours.
- **Versatile Installation:** Can be installed on the ground or mounted on a wall.
- **IP66 Waterproof:** Designed for outdoor use with high water resistance.

Components Included:

- Solar Panel
- Spotlights (4 in 1 set)
- Remote Control
- Mounting Hardware (nails and screws)
- Ground Stakes
- Control Box

- 14m/45.9ft Cable



Figure 2.1: Overview of the MEIHUA Solar Spot Lights system, including the solar panel, four spotlights, the central control box, and the remote control. This image illustrates all primary components of the product.

3. SETUP AND INSTALLATION

The MEIHUA Solar Spot Lights offer two primary installation methods: ground installation and wall installation.

3.1 Solar Panel Placement:

For optimal performance, the solar panel must be installed in an open and unobstructed area that receives direct sunlight for at least 6-8 hours daily. This ensures the battery charges sufficiently for night operation. Avoid shaded areas from trees, buildings, or other obstructions.



Figure 3.1: Illustration of the solar panel's function, demonstrating how it charges during daylight hours and how the spotlights automatically illuminate at night.

3.2 Ground Installation:

1. Attach the ground stakes to the bottom of each spotlight.
2. Insert the assembled spotlights into the desired locations in the ground.
3. Connect the spotlights to the control box, ensuring secure connections.
4. Position the solar panel in a sunny location using its ground stake.

3.3 Wall Installation:

1. Using the provided mounting hardware (nails and screws), secure the spotlights to a wall or fence at your desired height and angle.
2. Connect the spotlights to the control box.
3. Mount the solar panel in a location that receives ample direct sunlight, using appropriate mounting hardware.



Wall Installed



Ground Installed



Figure 3.2: Visual guide demonstrating both wall-mounted and ground-inserted installation methods for the spotlights.

4. OPERATING INSTRUCTIONS

4.1 Automatic Operation:

Once installed and the solar panel is exposed to sunlight, the system will automatically charge during the day. At dusk, the spotlights will automatically turn on.

4.2 Remote Control Functions:

The included remote control allows for comprehensive customization of your lighting experience.

- **ON/OFF:** Power the lights on or off.
- **Brightness Adjustment:** Increase or decrease light intensity.
- **Static Colors:** Select from 10 fixed single colors.
- **Dynamic Modes:** Choose from 12 dynamic color-changing modes, including Flash, RGB Flash, Smooth, Strobe, and various combinations.

- **Speed Control:** Adjust the speed of dynamic modes.
- **Timing Function:** Set the lights to automatically turn off after 2 hours (2H), 4 hours (4H), or 6 hours (6H).

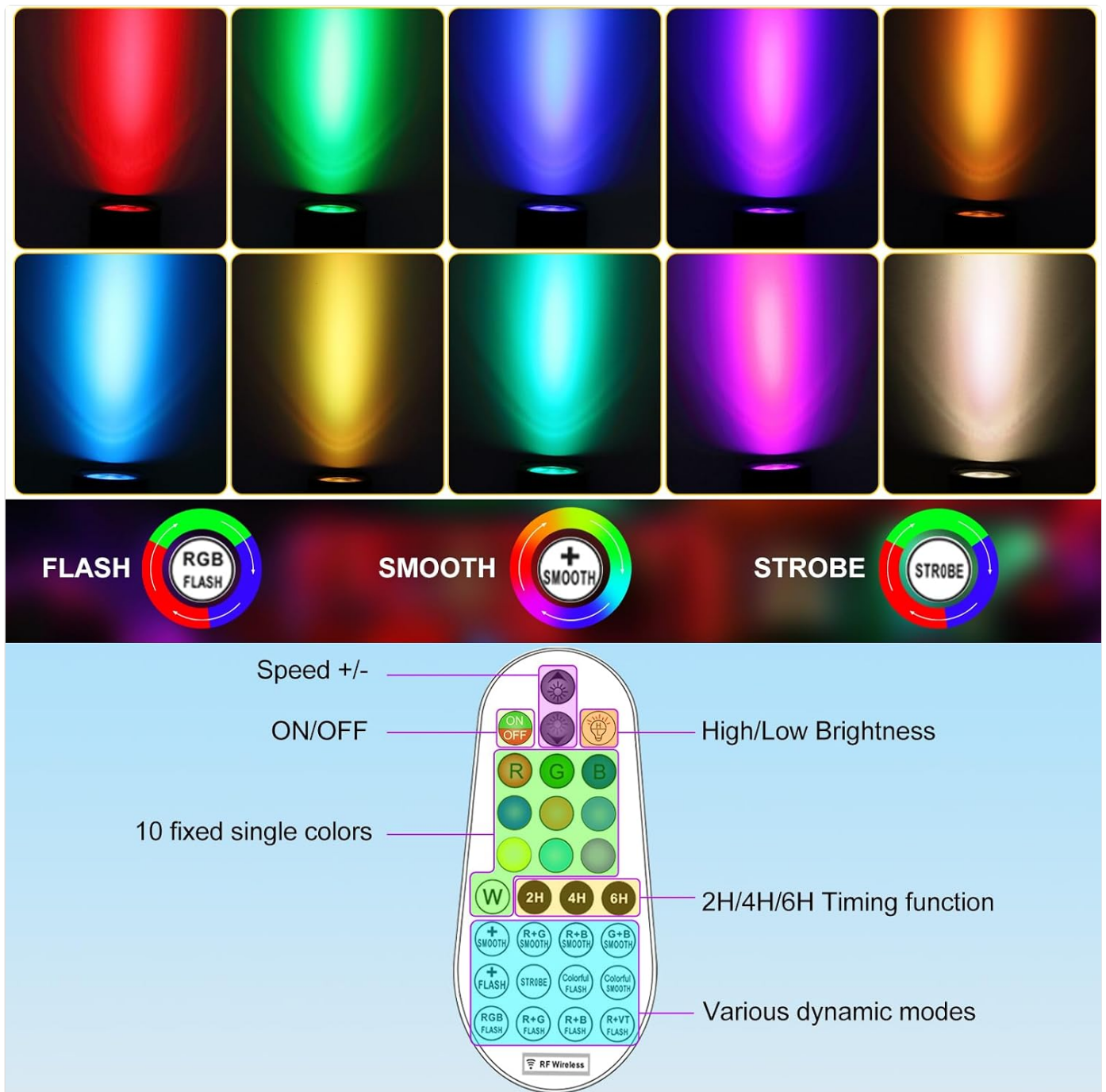


Figure 4.1: Layout of the remote control, indicating buttons for power, brightness, static colors, dynamic modes, and timing functions.

4.3 Memory Function:

The spotlights feature a memory function. When the lights are turned on again, they will default to the last used setting (color, mode, brightness), eliminating the need to reset your preferred lighting effect.

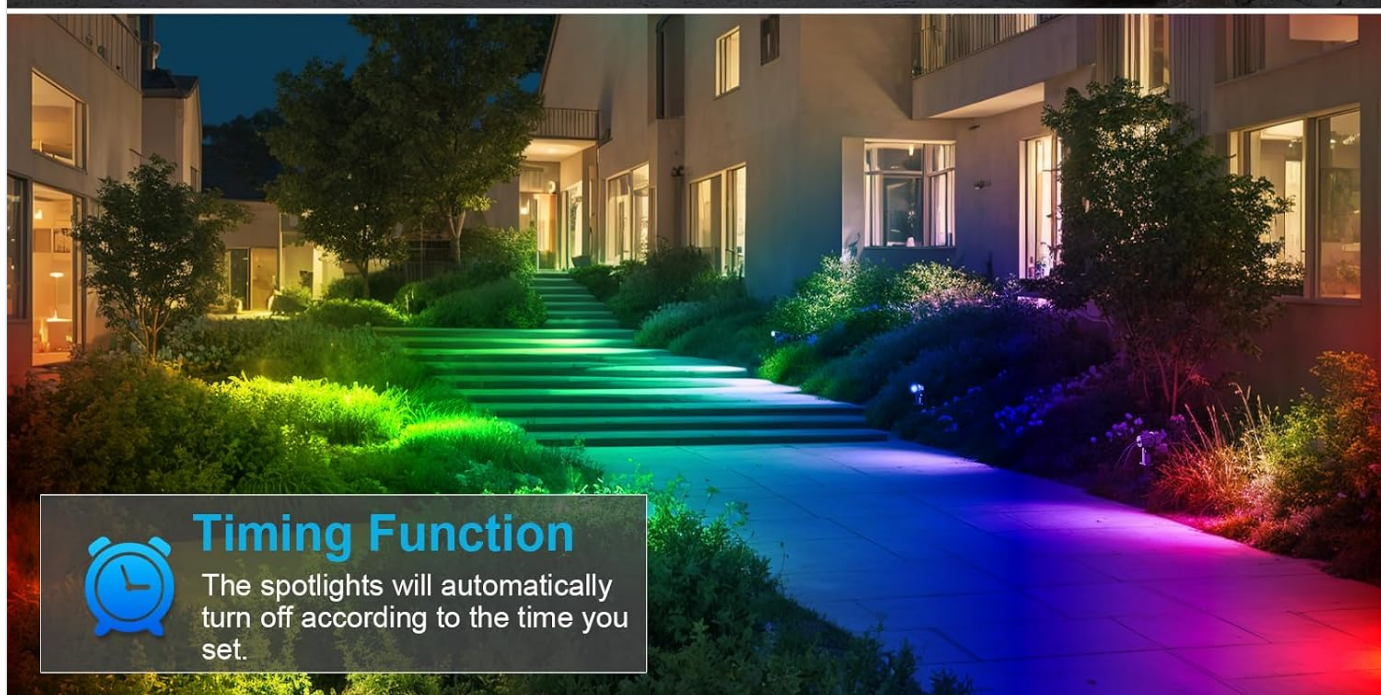


Figure 4.2: Visual representation of the memory function, which retains the last setting, and the timing function, allowing scheduled automatic shut-off.

4.4 Battery Indicator:

The control box is equipped with a power indicator light that shows the remaining battery capacity: 30%, 70%, and 100%. This allows you to monitor the charge level.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your MEIHUA Solar Spot Lights.

- **Solar Panel Cleaning:** Periodically wipe the solar panel with a soft, damp cloth to remove dust, dirt, leaves, or snow. A clean panel ensures maximum sunlight absorption and efficient charging.
- **Spotlight Cleaning:** Clean the spotlight lenses and housing as needed to maintain light output and appearance.
- **Battery Care:** While the battery is designed for outdoor use, extreme temperatures can affect its performance. Ensure the solar panel receives adequate sunlight to keep the battery charged.

- **Seasonal Adjustments:** In winter or periods of reduced sunlight, the lights may operate for shorter durations. Ensure the solar panel remains clear of snow and debris.



Figure 5.1: The lights are designed with IP66 waterproofing, heat resistance, and frost resistance, making them suitable for diverse weather conditions.

6. TROUBLESHOOTING

If you encounter issues with your MEIHUA Solar Spot Lights, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Lights do not turn on at night.	- Insufficient solar panel charging. - Solar panel is dirty or obstructed. - Lights are switched off.	- Ensure solar panel is in direct sunlight for 6-8 hours daily. - Clean the solar panel surface. - Check the ON/OFF button on the control box and remote.
Lights operate for a short duration.	- Insufficient charging due to weather or placement. - Battery capacity reduced over time.	- Relocate solar panel to a sunnier spot. - Ensure solar panel is clean. - Allow several days of full charge before expecting full runtime.
Remote control is unresponsive or lights change color erratically.	- Remote battery is low or dead. - Interference from other devices. - Remote not pointed correctly at the control box.	- Replace the remote control battery. - Ensure clear line of sight between remote and control box. - Try resetting the lights by turning them off and on.

7. SPECIFICATIONS

Attribute	Detail
Brand	MEIHUA
Model Name	MH-SL-SP04
Color	Multicolor (Black housing)
Material	Aluminum (Fixture), Glass (Shade)
Light Source Type	LED
Power Source	Solar Powered
Water Resistance Level	IP66 Waterproof
Product Dimensions	6.3"L x 3.2"W x 8"H
Item Weight	3.06 pounds
Battery	1 Lithium Polymer battery (included)
Cable Length	14m / 45.9ft (total cable length)

8. WARRANTY AND SUPPORT

Your MEIHUA Solar Spot Lights are covered by a return policy that allows for refund or replacement within 30 days of purchase. For any product inquiries, technical assistance, or warranty claims beyond this period, please contact MEIHUA customer support through the retailer's platform or the official MEIHUA website. Please retain your purchase receipt for warranty purposes.

