

## Manfrotto 1051BAC

# Manfrotto 1051BAC Air-Cushioned Aluminum Light Stand User Manual

Model: 1051BAC | Brand: Manfrotto

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## 1. INTRODUCTION

The Manfrotto 1051BAC Air-Cushioned Aluminum Light Stand is designed for photographers requiring a lightweight, compact, and stable lighting support solution. Its construction from durable aluminum and Adapto material ensures high performance and portability. The patented Quick Stack System (QSS) allows for efficient storage and transport by enabling multiple stands to be stacked together.

This stand features an air-cushioned system to prevent sudden drops of equipment, enhancing safety during operation. It offers versatile height adjustments with 4 sections and 3 risers, reaching a maximum height of 83.07 inches (211 cm) and supporting loads up to 8.8 lbs (4 kg).

## 2. SETUP

### 2.1 Unfolding the Stand

1. Place the folded stand on a flat, stable surface.
2. Locate the red clip on the leg collar. This clip secures the legs in the folded position.
3. Press the red clip to release the legs.
4. Gently pull the legs outwards until they are fully extended and locked into position. Ensure all three legs are evenly spread for maximum stability.



Figure 2.1: Manfrotto 1051BAC light stand in its folded, compact position. The legs are aligned for easy storage and transport.

## 2.2 Adjusting Height

1. Loosen the locking knobs on each section of the stand.
2. Extend the desired sections to the required height. The stand features 4 sections and 3 risers.
3. Tighten the locking knobs firmly to secure each section. The air-cushioned system will prevent rapid descent when loosening, but always maintain a grip on the upper sections.



Figure 2.2: Manfrotto 1051BAC light stand with legs extended and one section raised. The locking knobs are visible for height adjustment.

## 2.3 Attaching Equipment

The top of the stand is equipped with a reversible spigot featuring both 1/4" and 3/8" threads for compatibility with various lighting equipment and accessories. Ensure your equipment is securely fastened before use.



Figure 2.3: Detailed view of the reversible spigot at the top of the stand, showing both 1/4" and 3/8" thread options for attaching various accessories.

### 3. OPERATION

### **3.1 Air-Cushioned System**

The integrated air-cushioned system provides a controlled descent of the stand's sections when the locking knobs are loosened. This feature protects your mounted equipment from sudden drops and potential damage. Always loosen the knobs slowly and support the equipment during height adjustments.

### **3.2 Quick Stack System (QSS)**

For convenient transport and storage, multiple Manfrotto 1051BAC stands can be stacked together using their built-in connectors. Align the base of one stand with the top collar of another and click them into place. This creates a compact bundle, simplifying movement between locations.



Figure 3.1: Several Manfrotto 1051BAC light stands stacked and locked together, demonstrating the Quick Stack System for compact storage and transport.

### 3.3 Ergonomic Design

The stand features ergonomic handles and Adapto collars, designed for comfortable and secure operation. The single locking component of the Adapto collars ensures reliable performance and ease of maintenance.



Figure 3.2: Close-up view of the leg locking mechanism and Adapto collar, highlighting the robust construction and ergonomic design for secure adjustments.

## 4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Manfrotto 1051BAC light stand.

- **Cleaning:** Wipe down the aluminum and Adapto surfaces with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the finish or materials.
- **Lubrication:** Periodically check the moving parts, such as the risers and locking mechanisms. If movement becomes stiff, apply a small amount of silicone-based lubricant to the sliding surfaces. Do not over-lubricate.
- **Inspection:** Regularly inspect all screws, bolts, and connections for tightness. Ensure the leg spread mechanism operates smoothly and locks securely. Check for any signs of wear or damage to the Adapto collars or aluminum sections.
- **Storage:** When not in use, store the stand in a clean, dry environment. Utilize the Quick Stack System to keep multiple stands organized and minimize space.

## 5. TROUBLESHOOTING

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This section addresses common issues you might encounter with your light stand.

- **Stand sections not extending/retracting smoothly:**

Ensure all locking knobs are fully loosened. If still stiff, clean the sections and apply a small amount of silicone lubricant as described in the Maintenance section.

- **Legs not spreading or folding correctly:**

Check the red release clip for any obstructions or damage. Ensure the leg mechanism is free of dirt or debris. Apply lubricant if necessary.

- **Equipment feels unstable on the spigot:**

Verify that the equipment is correctly threaded onto the 1/4" or 3/8" bolt and tightened securely. Ensure the spigot itself is firmly attached to the stand. Always ensure the stand's legs are fully extended and locked for maximum stability.

- **Air-cushioned system not functioning:**

The air-cushioned system is designed for a controlled descent, not to completely prevent movement. If a section drops too quickly, ensure the locking knob was not released too abruptly. If the issue persists, contact Manfrotto customer support.

## 6. SPECIFICATIONS

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Feature	Detail
<b>Brand</b>	Manfrotto
<b>Model Number</b>	1051BAC
<b>Material</b>	Aluminum, Adapto
<b>Color</b>	Black
<b>Maximum Height</b>	83.07 inches (211 cm)
<b>Minimum Height</b>	29.53 inches (75 cm)
<b>Closed Length</b>	26.38 inches (67 cm)
<b>Weight</b>	2.20 lbs (1000 Grams)
<b>Weight Limit (Max Load)</b>	8.8 lbs (4 kg)
<b>Number of Sections</b>	4
<b>Number of Risers</b>	3
<b>Footprint - Maximum Diameter</b>	27.56 inches (70 cm)
<b>Top Attachment</b>	1/4" and 3/8" reversible spigot
<b>Special Features</b>	Air-Cushioned, Quick Stack System (QSS), Compact, Lightweight, Portable

## **7. WARRANTY AND SUPPORT**

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### **7.1 Warranty Information**

For detailed warranty information regarding your Manfrotto 1051BAC light stand, please refer to the official Manfrotto website or the warranty card included with your product. Warranty terms and conditions may vary by region.

### **7.2 Customer Support**

If you require technical assistance, have questions about product usage, or need to report an issue, please contact Manfrotto customer support through their official website or the contact information provided in your product packaging. When contacting support, please have your product model number (1051BAC) and purchase details ready.