

Walimex 16249

Walimex Pantograph Model 16249 Instruction Manual

For Ceiling Rail Systems

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your Walimex Pantograph Model 16249. Please read these instructions carefully before installation and operation to ensure proper functionality and longevity of the product. This pantograph is designed for integration into a ceiling rail system, offering flexible positioning for studio lighting equipment.

2. PRODUCT OVERVIEW

The Walimex Pantograph Model 16249 is a robust and versatile accessory for professional photography and video studios utilizing ceiling rail systems. It allows for continuous vertical movement of studio lights and accessories, providing precise positioning and optimizing workspace. The pantograph features a durable stainless steel spring mechanism for smooth operation.

Key Features:

- Designed for ceiling rail systems.
- Continuous vertical movement up to 200 cm.
- Equipped with a 5/8 inch pin for mounting standard studio flashes.
- Smooth-running transport rollers for effortless movement along guide rails.
- Constructed with a stainless steel spring for durability.

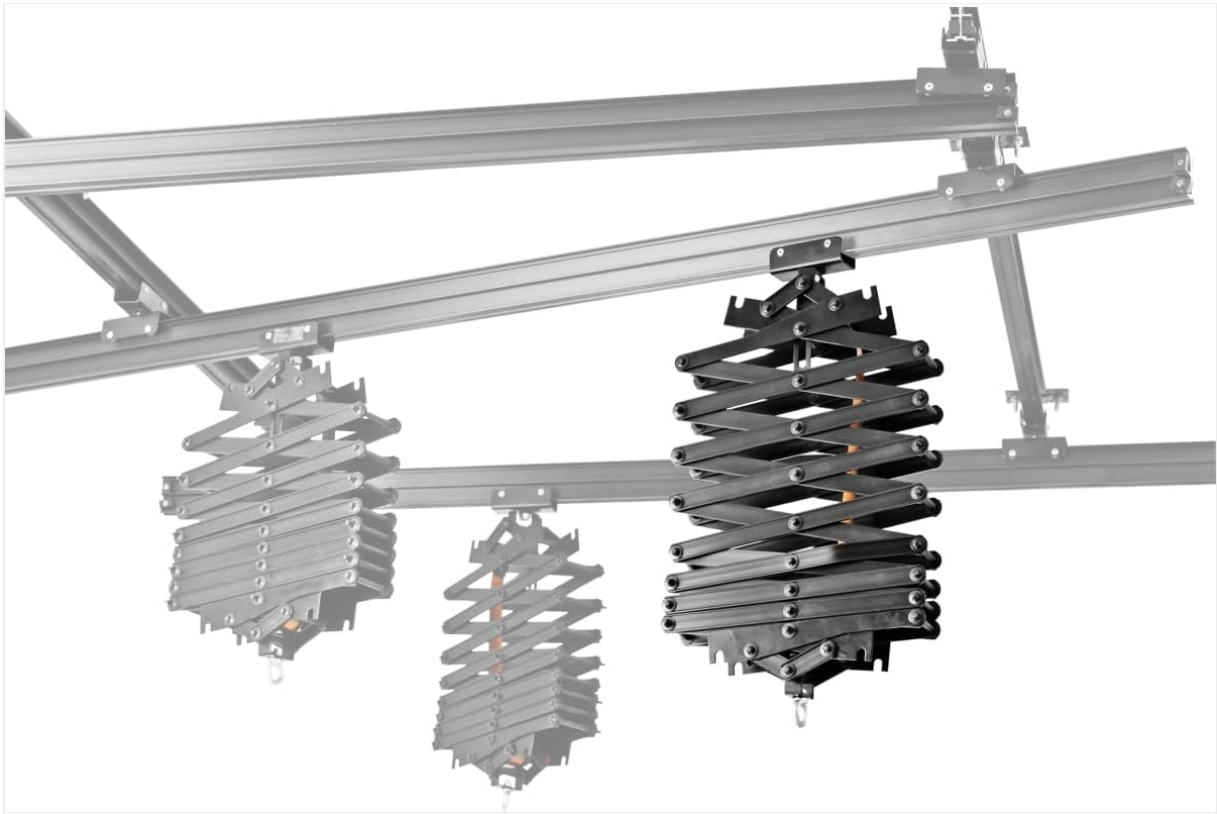


Figure 1: Overview of Walimex Pantographs integrated into a ceiling rail system, demonstrating their retractable design.

3. SETUP AND INSTALLATION

Proper installation is crucial for the safe and effective operation of the pantograph. Ensure your ceiling rail system is securely mounted and capable of supporting the combined weight of the pantograph and your lighting equipment.

Installation Steps:

1. **Attach to Ceiling Rail:** The pantograph is designed to attach directly to compatible ceiling rail systems. Position the top mounting bracket of the pantograph onto the rail.
2. **Secure Mounting:** Use the provided fasteners (if any, or those compatible with your rail system) to securely attach the pantograph to the rail. Ensure all connections are tight and stable. Refer to Figure 2 for a close-up of the top attachment.
3. **Test Movement:** Once securely mounted, gently slide the pantograph along the rail to ensure the transport rollers move smoothly without obstruction.
4. **Mount Lighting Equipment:** Attach your studio flash or other compatible lighting equipment to the 5/8 inch pin located at the bottom of the pantograph. Ensure the equipment is securely fastened.



Figure 2: Detail of the pantograph's mounting bracket connecting to the ceiling rail.

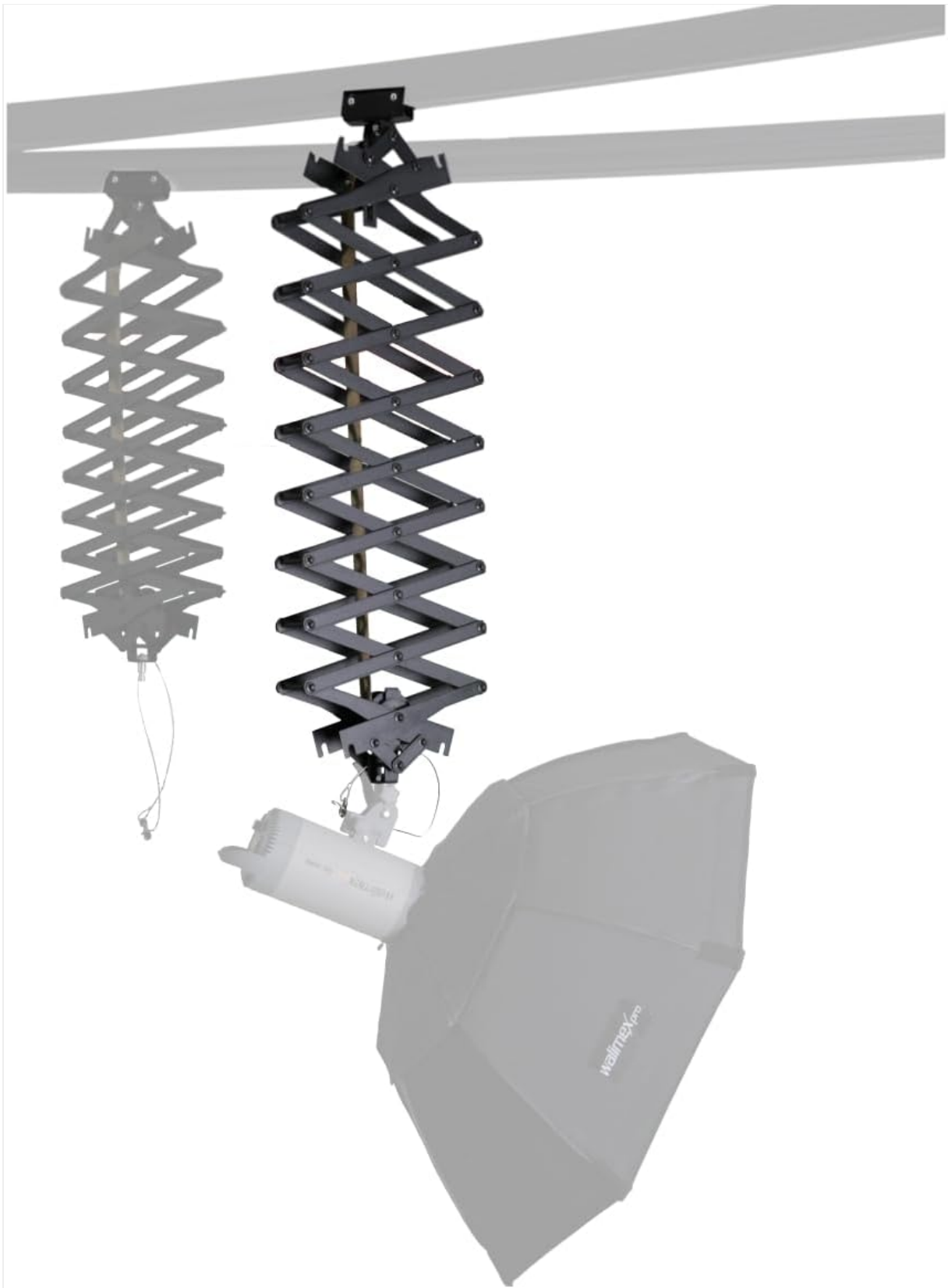


Figure 3: The pantograph shown with a studio light and softbox, demonstrating its function in a studio setup.

4. OPERATING INSTRUCTIONS

The Walimex Pantograph allows for flexible positioning of your lighting equipment. Always handle the pantograph and attached equipment with care.

Adjusting Position:

- **Horizontal Movement:** Gently push or pull the pantograph along the ceiling rail to move your light

horizontally across the studio space. The transport rollers are designed for smooth gliding.

- **Vertical Movement:** To adjust the height of your light, carefully extend or retract the pantograph. The internal spring mechanism assists in counterbalancing the weight of the attached equipment, allowing for smooth vertical adjustments up to 200 cm.
- **Securing Position:** The pantograph is designed to hold its position once adjusted. For additional security or to fine-tune tension, some models may include a tension adjustment mechanism (refer to Figure 5 for a potential adjustment point). Ensure the light is stable before leaving it unattended.



Figure 4: The pantograph in a fully extended position, illustrating its maximum reach.



Figure 5: A close-up view of the lower section, indicating a potential tension adjustment point (highlighted in red).

5. MAINTENANCE

Regular maintenance ensures the smooth and safe operation of your pantograph.

- **Cleaning:** Wipe down the metal parts with a soft, dry cloth to remove dust and debris. Avoid abrasive cleaners or solvents.
- **Lubrication:** Periodically check the moving joints and rollers. If movement becomes stiff, apply a small amount of silicone-based lubricant to the pivot points and roller axles. Do not over-lubricate.
- **Inspection:** Regularly inspect all screws, bolts, and connections for tightness. Ensure the spring mechanism operates freely and without unusual noises. Check the 5/8 inch pin for any signs of wear or damage.
- **Spring Condition:** The internal spring is made of stainless steel for durability. However, if you notice any degradation in its ability to hold weight, contact customer support.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Pantograph does not hold position or retracts too quickly.	Attached equipment is too light for the spring tension, or spring tension needs adjustment.	Add counterweights to the lighting equipment or adjust the tension mechanism if available (refer to Figure 5). Ensure the weight of your equipment is within the pantograph's specified load capacity.
Pantograph is difficult to extend or retract.	Lack of lubrication on moving parts, or attached equipment is too heavy.	Apply silicone-based lubricant to pivot points. Verify the weight of your equipment does not exceed the pantograph's maximum load capacity.
Pantograph does not slide smoothly on the rail.	Debris on the rail or rollers, or damaged rollers.	Clean the ceiling rail and the pantograph's transport rollers. Inspect rollers for damage; replace if necessary.



7. SPECIFICATIONS

Brand	Walimex
Model Number	16249
Product Dimensions (L x W x H)	30 x 10 x 40 cm (collapsed)
Item Weight	4.1 Kilograms
Material	Metal (Stainless Steel spring)
Color	Black
Maximum Extension	200 cm (approx.)
Mounting Type	Ceiling Mount (for rail systems)
Light Attachment	5/8 inch pin

8. WARRANTY AND SUPPORT

The Walimex Pantograph Model 16249 comes with a manufacturer's warranty of **2 years**. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or inquiries regarding spare parts, please contact your retailer or Walimex customer service directly. Please have your model number (16249) and proof of purchase available when contacting support.

	<p>Walimex pro Telescope Background System 225-400 cm User Manual and Setup Guide</p> <p>Comprehensive guide for setting up, using, and maintaining the Walimex pro Telescope Background System (Model 16312), including technical specifications and warranty information.</p>
	<p>walimex pro Lamp Stand 270 cm Heavy Duty (23269) - User Manual, Specs & Setup Guide</p> <p>Comprehensive user manual and technical specifications for the walimex pro Lamp Stand 270 cm Heavy Duty (Article No. 23269). Learn about setup, height adjustment, equipment mounting, safety precautions, maintenance, and warranty. Includes detailed technical data and component breakdown.</p>
	<p>Walimex pro Stager Studioblitzleuchte Gebrauchsanleitung</p> <p>Diese Gebrauchsanleitung bietet detaillierte Informationen zur Bedienung, Sicherheit und Wartung der walimex pro Stager Serie von Studioblitzleuchten, entwickelt für professionelle und semi-professionelle Fotografie.</p>
	<p>BOYA Walimex pro PM500 USB Table Microphone User Manual</p> <p>User manual for the BOYA Walimex pro PM500 USB table microphone. Learn about its features, setup, operation, safety, cleaning, and technical specifications for high-quality audio recording for podcasts, music, and more.</p>
	<p>Walimex pro LED 45W/60W Softbox & Octagon Gebrauchsanleitung</p> <p>Die Walimex pro LED 45W/60W Softbox und Octagon Leuchten bieten professionelle Bi-Color-Beleuchtung für Foto und Video. Entdecken Sie Leistung, Flexibilität und hohe Farbgenauigkeit für Ihr Studio.</p>