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› [Orion Tritech II Field Tripod with Fluid Pan Head Medium User Manual](#)

Orion 40808

Orion Tritech II Field Tripod with Fluid Pan Head

Model: 40808 | Brand: Orion

INTRODUCTION

The Orion Tritech II Field Tripod with Fluid Pan Head is designed to provide stable and portable support for various optical instruments. It is an ideal choice for supporting equipment such as spotting scopes, cameras, video cameras, and binoculars, with a maximum load capacity of up to 13.2 lbs. This tripod combines lightweight construction with robust stability, making it suitable for field use.

KEY FEATURES

- Provides sturdy and portable support for instrument loads up to 13.2 lbs.
- Tripod height reaches a generous 68 inches when fully extended.
- Features 3-section extendable aluminum alloy tripod legs with flip-lock clamps and a metal spreader brace for extra stability.
- Extra-long slotted 1/4"-20 captive quick-release shoe allows super-secure attachment of cameras, spotting scopes, and L-adapter equipped binoculars with a non-slip grip.
- Weighs just 4.8 lbs., and collapses to 27.25 inches long for easy portability. Includes zippered carry case.

SETUP

Setting up your Orion Tritech II Field Tripod is straightforward. Follow these steps for optimal stability and performance:

1. **Extend the Legs:** Release the flip-lock clamps on each of the three aluminum alloy legs. Extend each leg section to your desired height. Ensure all clamps are securely fastened after extension.



Image: The Orion Tritech II Field Tripod with its three-section aluminum alloy legs fully extended, showcasing its maximum height and stability.

2. **Adjust Center Column Height:** Use the geared elevator shaft and lock lever to raise or lower the center column for additional height adjustment. This allows for fine-tuning the viewing height.



Image: A close-up view of the tripod's geared center column, illustrating the crank mechanism for precise height adjustments.

3. **Level the Tripod:** Utilize the two built-in bubble levels (one at the top of the tripod legs, one at the base of the pan

head) to ensure the tripod is perfectly level before mounting your equipment.

4. **Attach Quick-Release Shoe:** Secure the 1/4"-20 quick-release shoe to the base of your camera, spotting scope, or other compatible instrument. Ensure it is tightly fastened to prevent any movement.



Image: A detailed view of the fluid pan head, highlighting the quick-release plate mechanism for easy attachment and detachment of equipment.

5. **Mount Equipment:** Slide the quick-release shoe with your attached equipment into the pan head. Listen for a click to confirm it is locked in place. For added security, press the red release button on the side to ensure the shoe is fully engaged and cannot accidentally slip out.

OPERATING THE FLUID PAN HEAD

The fluid pan head provides smooth and precise control for tracking objects. It features tension adjustments, allowing for fine-tuning the resistance of movement, unlike simple on/off locks.

- **Pan and Tilt Control:** Use the adjustable-angle pan handle to smoothly pan (horizontal movement) and tilt (vertical movement) your mounted instrument. The fluid pan head allows for 360-degree azimuth motion and over 90-degrees of altitude rotation.
- **Tension Adjustment:** The pan head features robust pan and tilt lock levers. These allow you to adjust the tension, providing an intermediate setting where the head moves smoothly but holds its position when released, preventing unwanted drift.
- **Quick-Release Safety:** The quick-release shoe is designed with an enhanced safety feature. Even if the main locking knob is loosened, the shoe will only slide forward or backward but will not detach until the red safety release button is manually depressed. This prevents accidental drops of your valuable equipment.

Your browser does not support the video tag.

Video: An official demonstration of the Orion Tritech II Field Tripod with Fluid Pan Head, showcasing its features and smooth operation.

MAINTENANCE

Proper maintenance will ensure the longevity and optimal performance of your tripod:

- **Cleaning:** Wipe down the tripod legs and head with a soft, damp cloth after each use, especially if used outdoors in dusty or damp conditions. Avoid abrasive cleaners or solvents.
- **Lubrication:** The fluid pan head is designed for smooth operation and generally does not require user lubrication. Do not attempt to disassemble the head for lubrication.
- **Storage:** When not in use, collapse the tripod fully and store it in the included soft zippered carry case. Store in a dry, cool place away from direct sunlight and extreme temperatures.
- **Inspections:** Periodically check all screws, knobs, and clamps to ensure they are secure. Tighten any loose components gently.

TROUBLESHOOTING

If you encounter any issues with your tripod, consider the following common solutions:

- **Instability:** Ensure all leg sections are fully extended and their flip-lock clamps are securely closed. Verify the metal spreader brace is fully deployed. In windy conditions, hang a backpack or other weight from the integrated ballast hook at the bottom of the center column to enhance stability.
- **Stiff Pan Head Movement:** Check the tension adjustment knobs on the pan head. Loosen them slightly to achieve smoother movement. If movement is still stiff, ensure no debris is obstructing the mechanism.
- **Equipment Not Secure:** Double-check that the quick-release shoe is properly seated in the pan head and that the main locking knob is tightened. Remember to press the red safety release button to fully engage the shoe.

SPECIFICATIONS

Specification	Value
Product Dimensions	5 x 5 x 68.2 inches
Item Weight	4.8 pounds

Item Model Number	40808
Brand	Orion
Color	Black
Compatible Devices	Camera
Special Feature	Lightweight, Portable
Material	Aluminum
Weight Limit	13.2 Pounds
Model Name	Tritech II Field Tripod with Fluid Pan Head
Maximum Height	68.2 Inches
Tripod Head Type	Pan Heads

WARRANTY AND SUPPORT

For any questions, technical assistance, or warranty inquiries regarding your Orion Tritech II Field Tripod, please contact Orion customer support:

- Visit the official Orion website: www.telescope.com
- Email support: sales@telescope.com
- Call customer service: 1-800-676-1343

Safety Warning:

NEVER look directly at the Sun through your telescope or its finder scope – even for an instant – without a professionally made solar filter that completely covers the front of the instrument, or permanent eye damage could result.